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DRAFT PRIMARY PHASE 2A DATA SUBMITTAL AND RECOMMENDATIONS FOR PHASE 2B SAMPLING PROGRAM MODIFICATIONS: SCRAP YARD, SITE 4 AND OLD TRANSFORMER STORAGE YARD, SITE 5

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HARDING LAWSON ASSOCIATES

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Naval Facilities Engineering Command
900 Commodore Drive
San Bruno, California

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PRIMARY PHASE 2A DATA SUBMITTAL AND RECOMMENDATIONS FOR PHASE 2B SAMPLING PROGRAM MODIFICATIONS: SCRAP YARD, SITE IR-4 AND OLD TRANSFORMER STORAGE YARD, SITE IR-5
NAVAL STATION, TREASURE ISLAND
HUNTERS POINT ANNEX
SAN FRANCISCO, CALIFORNIA

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Mark T. Egbert
Project Geologist

Grant L. Ohland, R.G., C.E.G.
Associate Hydrogeologist

Carl J. Michelsen
Registered Geologist No. 5172
Quality Control Reviewer

Harding Lawson Associates
7655 Redwood Boulevard
P.O. Box 578
Novato, California 94948

Under Contract to:

PRC Environmental Management, Inc.
120 Howard Street, Suite 700
San Francisco, California 94105
415/543-4880

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INTRODUCTION

This data submittal report has been prepared by Harding Lawson Associates (HLA) under contract to PRC Environmental Management, Inc. (PRC) on behalf of the Department of Navy (Navy), Western Division (WESTDIV), Naval Facilities Engineering Command, under the Comprehensive Long-Term Environmental Action Navy (CLEAN) Contract No. N62474-88-D-5086, Contract Task Order 0057.

This report presents the preliminary results of Primary Phase 2A Remedial Investigation (RI) field activities performed by HLA at OU-III, consisting of the Scrap Yard (Site IR-4) and the Old Transformer Storage Yard (Site IR-5), Hunters Point Annex (HPA), San Francisco, California (Plate 1). As described in the RI work plan (*HLA, 1988a*), the remedial investigation at this site is being conducted in three phases: the reconnaissance (Phase 1), primary (Phase 2), and contingency (Phase 3). The reconnaissance phase at sites IR-4 and IR-5 was completed in February 1989 and the results were presented in a draft report to the regulatory agencies in August 1990 (*HLA, 1990*a). Subsequent to the issuance of the RI work plan, the primary phase was subdivided into two phases, 2A and 2B. These two phases were created so that soil boring locations in Phase 2B could be selected and changes in the field and analytical program for Phase 2B could be recommended based on preliminary data obtained from Phase 2A. The regulatory agencies agreed to this two-phase approach during a meeting on November 7, 1990.

The Navy has agreed to submit data from Phase 2A field activities with recommendations for Phase 2B field activities to the regulatory agencies (i.e., U.S. Environmental Protection Agency [EPA]; California EPA, Department of Toxic Substances Control [DTSC]; and the Regional Water Quality Control Board, San Francisco

Bay Region [RWQCB]) prior to proceeding with Phase 2B field activities. This data submittal fulfills that commitment, and contains the following information for each site:

- Soil boring and monitoring well logs
- Well construction details
- Tabulated groundwater elevation data
- Soil and groundwater chemical data
- Recommendations for modifications to the Primary Phase 2B RI activities.

SUMMARY OF PRIMARY PHASE 2A (SITE IR-4)

Primary Phase 2A Activities

Primary Phase 2A activities included the following:

- Twenty-one soil borings were drilled; 145 soil samples and 6 groundwater samples from borings were collected. Boring locations are shown on Plate 2 and boring logs are included in Appendix A. Borings were logged using the American Standards Testing Method (ASTM) No. D2488-84. The ASTM soil classification chart is presented on Plate 3.

- Eight of the twenty-one soil borings were converted to groundwater monitoring wells in the uppermost aquifer (Plate 2). Well completion details are presented along with boring logs in Appendix A.

- The eight monitoring wells were developed, purged and sampled. Groundwater elevations were measured in one previously installed well and the 8 wells installed in Phase 2A (Table 1).

- All soil and groundwater samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline and diesel, total oil and grease (TOG), Contract Laboratory Program (CLP) volatile organic compounds (VOCs), CLP semivolatile organic compounds (SOCs), CLP pesticides and polychlorinated biphenyls (PCBs), CLP metals, hexavalent chromium, and pH. Soil samples were also analyzed for asbestos and groundwater samples were analyzed for total dissolved solids (TDS), major ions, and cyanide.

- Cursory validation (*HLA, 1988b*), which includes a review of laboratory blanks, field blanks, laboratory duplicates, field duplicates, laboratory spikes, surrogate spikes, and holding times has been performed on

Phase 2A data. A more intensive "full-CLP" validation (*HLA, 1988b*), including review of GC/MS tuning parameters, calibration, compound identification and quantitation, internal standards performance, reporting limits, and tentatively identified compounds will be completed for 10 percent of the samples at a later date.

The preliminary findings of Primary Phase 2A activities are summarized below.

Preliminary Findings

Geologic units at Site IR-4 generally consist of bedrock-derived fill (Qaf) overlying bay mud deposits (Qbm) and/or serpentinite bedrock (sp) (Plates 4 and 5). Bay mud deposits were encountered at the base of the bedrock-derived fill in all borings with the exception of one boring (IR04B021) in which serpentinite bedrock was encountered (Plate 5).

The uppermost aquifer at Site IR-4 consists of saturated deposits composed of bedrock-derived fill material which overlies less permeable bay mud deposits or serpentinite bedrock (Plates 4 and 5). Water-level elevations as measured on August 19, 1991, are shown on Plate 6. These water levels indicate the direction of groundwater flow is predominantly to the east or inland from San Francisco Bay. Water level measurements at site IR-4 (Table 1) indicate the groundwater levels fluctuated up to approximately 3 feet between measurements in January, April, and August, 1991. These fluctuations did not occur uniformly across the site, indicating probable changes in the direction of groundwater flow. Fluctuations in water levels may be the result of tidal influences, barometric pressure changes, and localized groundwater recharge from storm events.

Summary of Analytical Results

Analytical results from all soil and groundwater samples are summarized in Tables 2 through 5. Tables 2 and 3 present the number of detected values and the

minimum and maximum chemical concentrations detected in soil samples; Tables 4 and 5 present similar information for groundwater samples. These tables present only detected values of cursory validated data. Chemicals not detected in any samples are not presented in these tables.

A complete listing of analytical results for all detected analytes is presented in Appendix B. Tables B-1 and B-2 present organic and inorganic soil chemistry data, and Tables B-3 and B-4 present organic and inorganic groundwater data. Only analytes detected in at least one sample are presented for each sample in these tables; laboratory-assigned qualifiers and cursory validation qualifiers are included.

Analytical results of cursory validated data are summarized below:

- TOG was detected in 72 of 83 soil samples and 6 of 20 groundwater samples.
- TPH as diesel was detected in 56 of 83 soil samples and 3 of 20 groundwater samples; TPH as gasoline in 9 of 84 soil samples and 4 of 20 groundwater samples.
- Thirteen VOCs were detected at low concentrations in 30 of 145 soil samples. In addition, toluene was detected in 126 soil samples but all of the results are qualified with an "F" as a result of suspected field contamination. Nine VOCs were detected at low to moderate concentrations in 9 of 20 groundwater samples.
- Fifteen SOCs were detected at low concentrations in 26 of 145 soil samples. Three SOCs were detected at low concentrations in 2 of 20 groundwater samples.
- Four organochlorine pesticides were detected at low concentrations in 5 of 84 soil samples. Two pesticides were detected at low concentrations in two groundwater samples.
- The PCB Aroclor-1260 was detected in 10 of 84 soil samples; Aroclor-1254 was detected in one soil sample and in one groundwater sample.
- Hexavalent chromium was not detected in any soil or groundwater samples.

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- Twenty-four metals and trace elements were detected in soil samples at the site. Nineteen metals and trace elements were detected in the groundwater samples. Chloride and total dissolved solids were detected in all groundwater samples. The pH of the groundwater samples ranged from 6.9 to 8.6.

- Chrysotile asbestos was detected in 37 out of 56 soil samples at generally low concentrations and amphibole asbestos was identified in 3 of 56 soil samples at low concentrations.

Recommended Modifications to Phase 2B RI Program (Site IR-4)

Based on the results of Primary Phase 2A activities, the following Phase 2B field activities for Site IR-4 are recommended:

- Twelve additional soil borings are recommended for Phase 2B as shown on Plate 7. Originally 23 borings were planned for Phase 2B at this site, however, Phase 2A data indicate that existing data gaps can be adequately filled by 12 additional borings. The justification for this recommendation is based on the relatively sporadic distribution of low levels of contamination observed at the site. As shown in Table 2, various organic contaminants were detected sporadically in a small percentage of soil samples. Similarly, inorganic contaminants (e.g., trace and heavy metals) were detected above preliminary background levels in only a small number of samples. Consequently, areas of sporadic occurrences of low levels of contamination will not be further investigated in Phase 2B. However, areas where elevated levels of contamination were observed in Phase 2A will be further investigated along with areas that have not yet been investigated. Soil chemistry data from the recommended 12 borings along with Phase 2A data should provide adequate data to characterize the horizontal and vertical extent of soil contamination at the site.

- One boring will be converted into a monitoring well (MW13A) to monitor groundwater for chemicals detected in a groundwater sample collected from Boring IR04B033. No additional monitoring wells are recommended for other areas of Site IR-4 because the existing monitoring well network provides adequate data to define the horizontal extent of groundwater contamination at the site.

- The analytical program for Phase 2B soil sampling and the second round of groundwater sampling will consist of the full suite of analyses performed in Phase 2A.

SUMMARY OF PRIMARY PHASE 2A (SITE IR-5)

Primary Phase 2A Activities

Primary Phase 2A activities for Site IR-5 included the following:

- Eighteen borings were drilled; 108 soil samples and five groundwater samples from soil borings were collected. Borings were logged using the ASTM soil classification chart presented on Plate 3. Boring locations are shown on Plate 8; and boring logs are included in Appendix A.

- Four borings were converted to groundwater monitoring wells in the uppermost aquifer (Plate 8). Well completion details are presented along with boring logs in Appendix A.

- Monitoring wells were developed, purged and sampled. Groundwater elevations from the four monitoring wells were measured (Table 1).

- All samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline and diesel, total oil and grease (TOG), Contract Laboratory Program (CLP) volatile organic compounds (VOCs), CLP semivolatile organic compounds (SOCs), CLP pesticides and polychlorinated biphenyls (PCBs), CLP metals, hexavalent chromium, and pH. Soil samples were also analyzed for asbestos, and groundwater samples were also analyzed for total dissolved solids (TDS), major ions, and cyanide. Results are summarized in Tables 6 through 9.

- Cursory validation of the data was performed as described for Site IR-4 data.

The preliminary findings of Primary Phase 2A activities are summarized below.

Preliminary Findings

Geologic units at Site IR-5 generally consist of bedrock-derived fill (Qaf) overlying bay mud deposits (Plates 9 and 10).

The uppermost aquifer at Site IR-5 consists of saturated deposits composed of bedrock-derived fill material which overlies less permeable bay mud deposits (Plates 9 and 10). Water-level elevations as measured on August 19, 1991, are shown on Plate 11 and indicate that the direction of groundwater flow is predominantly to the east or inland from San Francisco Bay. Water level measurements at site IR-5 (Table 1)

indicate the groundwater levels fluctuated up to approximately 2 feet between measurements in January, April, and August, 1991. These fluctuations did not occur uniformly across the site, indicating probable changes in the direction of groundwater flow. Fluctuations in water levels may be the result of tidal influences, barometric pressure changes, and localized groundwater recharge from storm events.

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Summary of Analytical Results

Analytical results are summarized in Tables 6 through 9. Tables 6 and 7 present the number of detected values and the minimum and maximum chemical concentrations detected in soil samples; Tables 8 and 9 present similar information for groundwater samples. These tables present only detected values of cursory validated data. Chemicals not detected in any samples are not presented in these tables.

A complete listing of analytical results for all detected analytes is presented in Appendix B. Tables B-5 and B-6 present organic and inorganic soil chemistry data and Tables B-7 and B-8 present organic and inorganic groundwater data. Only analytes detected in at least one sample are presented for each sample in these tables; laboratory-assigned and cursory validation qualifiers are included.

Holding times were exceeded for 82 soil samples for VOCs and 53 soil samples for SOCs resulting in the rejection of all nondetected analytes; detected values were qualified as estimated due to holding time exceedences. Analytical results of cursory validated data are presented as follows:

- TOG was detected in 38 of 63 soil samples and 7 of 11 groundwater samples.
- TPH as diesel was detected in 4 of 65 soil samples and 1 of 11 groundwater samples. TPH as gasoline was not detected.

- Low concentrations of seven VOCs were detected in 60 of 108 soil samples. Toluene was detected in 48 samples but the results are qualified with an "F" indicating the result was due to field contamination and/or with a "J5" for holding time exceedences. Three VOCs were detected at low concentrations in 3 of 11 groundwater samples.

- Seventeen SOCs were detected at low concentrations in 42 of 107 soil samples. Three SOCs were detected at low concentrations in 2 of 11 groundwater samples.

- PCB as Aroclor-1260 was detected in 14 of 64 soil samples and 2 of 11 groundwater samples. Organochlorine pesticides were not detected in any samples.

- Hexavalent chromium was not detected in any samples.

- Twenty-four metals and trace elements were detected in soil samples and twenty-two in groundwater samples. Laboratory analyses detected arsenic, lead and thallium in soil using both the CLP furnace atomic absorption and the inductively coupled plasma methods (Table 7). Lead was also detected in groundwater samples using both methods (Table 9). Chloride and TDS were identified in all groundwater samples. Sulfate was found in one groundwater sample. The pH of the groundwater samples ranged from 6.8 to 7.95.

- Chrysotile asbestos was detected in 41 out of 46 soil samples at low concentrations.

Recommended Modifications to Phase 2B RI Program (Site IR-5)

Based on the results of Primary Phase 2A activities, the following Phase 2B field activities for Site IR-5 are recommended:

- Nineteen borings were originally planned for Phase 2B. However, twenty borings are recommended for Phase 2B (Plate 12) because holding times were exceeded for SOC and VOC analyses for several of soil samples. Several of the borings will be placed adjacent to borings and wells drilled during Phase 2A field activities to resample areas where sample holding times were exceeded. Because of the sporadic occurrence of various chemicals in the soil, the remaining borings will be located in areas where the highest chemical concentrations were detected or where data gaps exist. Soil chemistry data from these additional borings combined with Phase 2A soil chemistry data should provide adequate information to define the horizontal and vertical extent of soil contamination at the site.

- One boring will be converted to a monitoring well (MW80A), at the western edge of the site, to monitor groundwater chemistry and to assist

in evaluating groundwater flow directions at Site IR-5. This additional well and the four existing Phase 2A wells should provide adequate data to define the horizontal extent of groundwater contamination at the site.

- The analytical program for Phase 2B soil sampling and for the second round of groundwater sampling will consist of the full suite of analyses performed in Phase 2A.

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SCHEDULE

The completion of Primary Phase 2B activities for OU III (Sites IR-4 and IR-5) and the submittal of the Draft of Summary of Findings Memorandum will be performed in accordance with the revised OU-III schedule submitted to the regulating agencies on June 7, 1991.

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TABLES

DRAFT PRIMARY PHASE 2A DATA SUBMITTAL AND RECOMMENDATIONS FOR PHASE 2B SAMPLING PROGRAM MODIFICATIONS

DATED 23 SEPTEMBER 1991

Table 1. Historical Water Levels
OUIII - Sites IR-4 and IR-5
Hunters Point Annex

Well Number/ Date Measured	Time Measured	Top of Casing Elevation (feet MSL[1])	Depth to Water (feet below TOC[2])	Water Level Elevation (feet from MSL)
SITE IR04				
IR04MW09A				
01/17/91	1237	9.30	8.71	0.59
04/01/91	1315	9.30	5.67	3.63
08/19/91	1418	9.30	8.80	0.50
IR04MW31A				
04/01/91	1238	12.52	9.56	2.96
08/19/91	1450	12.52	9.38	3.14
IR04MW35A				
01/17/91	1003	11.11	11.21	-0.10
04/01/91	1245	11.11	9.16	1.95
08/19/91	1447	11.11	10.96	0.15
IR04MW36A				
01/17/91	956	9.78	9.87	-0.09
04/01/91	1251	9.78	7.85	1.93
08/19/91	1437	9.78	9.62	0.16
IR04MW37A				
04/01/91	1258	9.49	7.40	2.09
08/19/91	1409	9.49	9.52	-0.03
IR04MW38A				
01/17/91	1248	9.76	10.16	-0.40
04/01/91	1231	9.76	8.36	1.40
08/19/91	1404	9.76	10.02	-0.26
IR04MW39A				
04/01/91	1240	7.86	6.27	1.59
08/19/91	1423	7.86	8.31	-0.45
IR04MW40A				
04/01/91	1325	7.10	5.26	1.84
08/19/91	1427	7.10	7.00	0.10
IR01MW1-2				
01/17/91	1237	9.30	8.71	0.59
04/01/91	1315	9.30	5.67	3.63
08/19/91	1418	9.30	8.80	0.50

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Table 1. Historical Water Levels
OUIII - Sites IR-4 and IR-5
Hunters Point Annex
(continued)

Well Number/ Date Measured	Time Measured	Top of Casing Elevation (feet MSL[1])	Depth to Water (feet below TOC[2])	Water Level Elevation (feet from MSL)
SITE IR05				
IR05MW73A				
01/17/91	1213	5.59	7.03	-1.44
04/01/91	1204	5.59	4.95	0.64
08/19/91	1507	5.59	6.69	-1.10
IR05MW74A				
01/17/91	1220	7.40	7.89	-0.49
04/01/91	1200	7.40	5.95	1.45
08/19/91	1501	7.40	7.54	-0.14
IR05MW76A				
01/17/91	1227	4.96	5.43	-0.47
04/01/91	1223	4.96	3.41	1.55
08/19/91	1457	4.96	5.06	-0.10
IR05MW77A				
04/01/91	1214	10.43	9.09	1.34
08/19/91	1510	10.43	11.31	-0.88

1 MSL = Mean Sea Level adjusted to the 1929 standard.

2 TOC = Top of Casing.

Table 2. Summary of Organic Compounds Detected in Soil Boring Samples OU III, Site IR-4 Hunters Point Annex

Test Method/ Analyte Name	Number of Analyses	Units	Number of Detected Values	Min Value	Max Value
CLP-VOC	(145)				
Methylene chloride		µg/kg	2	22	24
Acetone		µg/kg	2	17	35
Carbon disulfide		µg/kg	4	9.2	28
1,1-Dichloroethane		µg/kg	2	8.6	5,500
Chloroform		µg/kg	1	24	24
1,2-Dichloroethane		µg/kg	1	1,100	1,100
1,1,1-Trichloroethane		µg/kg	4	13	45,000
Trichloroethene		µg/kg	8	11	200
1,1,2-Trichloroethane		µg/kg	1	65	65
Benzene		µg/kg	5	2.8	27
Tetrachloroethene		µg/kg	7	27	390
Toluene		µg/kg	126	3.2	1000
Ethyl benzene		µg/kg	1	7.3	7.3
Xylenes		µg/kg	3	7.2	14
CLP-SOC	(145)				
Naphthalene		µg/kg	3	200	350
2-Methylnaphthalene		µg/kg	1	190	190
Phenanthrene		µg/kg	6	330	860
Fluoranthene		µg/kg	6	400	3,500
Pyrene		µg/kg	6	390	3,700
Benzo (a) anthracene		µg/kg	6	200	3,300
Chrysene		µg/kg	7	220	4,500
Bis(2-ethylhexyl)phthalate		µg/kg	12	250	4,000
Di-n-octylphthalate		µg/kg	8	240	880
Benzo(b)fluoranthene		µg/kg	5	360	7,300
Benzo(k)fluoranthene		µg/kg	4	200	2,800
Benzo(a)pyrene		µg/kg	4	300	6,200
Indeno (1,2,3-cd)pyrene		µg/kg	2	410	4,500
Dibenzo(a,h)anthracene		µg/kg	1	1,700	1,700
Benzo(ghi)perylene		µg/kg	2	550	4,900
CLP-PEST/PCB	(84)				
Heptachlor epoxide		µg/kg	1	290	290
Dieldrin		µg/kg	1	89	89
4,4'-DDD		µg/kg	3	180	440
4,4'-DDT		µg/kg	2	38	1,200
Aroclor-1254		µg/kg	1	380	380
Aroclor-1260		µg/kg	10	180	6,300

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Table 2. Summary of Organic Compounds Detected in Soil Boring Samples OU III, Site IR-4 Hunters Point Annex (continued)

Test Method/ Analyte Name	Number of Analyses	Units	Number of Detected Values	Min Value	Max Value
TPH DIESEL	(83)				
TPH-Diesel		mg/kg	56	17	4,000
TPH GAS	(84)				
TPH-Gasoline		mg/kg	9	1.2	65
OIL & GREASE	(83)				
Total Oil & Grease		mg/kg	72	28.8	26,600

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Notes:

Concentrations expressed as micrograms (lg) or milligrams (mg) of chemical per kilogram (kg) of soil.

Max Value = Maximum concentration detected in any soil sample analyzed for organics.

Min Value = Minimum concentration detected in any soil sample analyzed for organics. Minimum concentration detected may be estimated and below the contract required reporting limit.

Table 3. Summary of Inorganic Compounds Detected in Soil Boring Samples OU III, Site IR-4 Hunters Point Annex

Test Method/ Analyte Name	Number of Analyses	Units	Number of Detected Values	Min Value	Max Value
CLP-CVAA	(145)				
Mercury		mg/kg	92	0.05	33.3
CLP-FUAA	(145)				
Arsenic		mg/kg	112	1.2	25.6
Lead		mg/kg	133	0.64	12,000
Selenium		mg/kg	3	1.1	1.9
Thallium		mg/kg	1	1.14	1.14
CLP-ICP	(145)				
Aluminum		mg/kg	145	437	42,300
Antimony		mg/kg	96	27.2	190
Barium		mg/kg	145	1.6	2,090
Beryllium		mg/kg	99	0.16	2.3
Cadmium		mg/kg	129	0.69	159
Calcium		mg/kg	140	95.7	201,000
Chromium		mg/kg	144	38.8	1,640
Cobalt		mg/kg	145	4.3	144
Copper		mg/kg	145	2.3	1,970
Iron		mg/kg	145	8,950	105,000
Magnesium		mg/kg	145	3,740	256,000
Manganese		mg/kg	145	95.3	9,450
Molybdenum		mg/kg	94	1.28	8.6
Nickel		mg/kg	145	33.4	2,700
Potassium		mg/kg	128	36.9	5,570
Silver		mg/kg	62	1.16	4.8
Sodium		mg/kg	144	90.4	5,620
Vanadium		mg/kg	145	10.7	6,705
Zinc		mg/kg	145	8.9	1,060
EPA-600/M482020	(56)				
Chrysotile Asbestos		%	37	1	18
Amphibole Asbestos		%	3	1	1
EPA-9045	(145)				
pH		pH	145	7.5	10.2

Notes:

Concentrations expressed as milligrams (mg) of chemical per kilogram (kg) of soil.

Max Value = Maximum concentration detected in any soil sample analyzed for inorganics.

Min Value = Minimum concentration detected in any soil sample analyzed for inorganics. Minimum concentration detected may be estimated and below the contract required reporting limit.

Table 4. Summary of Organic Compounds Detected in Groundwater Samples OU III, Site IR-4 Hunters Point Annex

Test Method/ Analyte Name	Number of Analyses	Units	Number of Detected Values	Min Value	Max Value
CLP-VOC	(20)				
Methylene chloride		µg/L	2	4.5	6
1,1-Dichloroethene		µg/L	2	95	111
1,1-Dichloroethane		µg/L	2	89	96
Bromodichloromethane		µg/L	1	2.5	2.5
Trichloroethene		µg/L	3	9.2	150
Dibromochloromethane		µg/L	2	2.9	4.4
Tetrachloroethene		µg/L	2	440	465
Toluene		µg/L	1	2.8	2.8
Xylenes		µg/L	2	8.4	11
CLP-SOC	(20)				
Naphthalene		µg/L	1	16	16
2-Methylnaphthalene		µg/L	1	13	13
Di-n-octylphthalate		µg/L	1	6.7	6.7
CLP-PEST/PCB	(20)				
Heptachlor		µg/L	1	0.06	0.06
Dieldrin		µg/L	2	0.26	0.32
Aroclor-1254		µg/L	1	59	59
TPH DIESEL	(20)				
TPH-Diesel		mg/L	3	6.5	10
TPH GAS	(20)				
TPH-Gasoline		mg/L	4	0.36	13
OIL & GREASE	(20)				
Total Oil & Grease		mg/L	6	6.2	67.5

Notes:

Concentrations expressed as micrograms (µg) or milligrams (mg) of chemical per liter (L) of groundwater.

Max Value = Maximum concentration detected in any groundwater sample analyzed for organics.

Min Value = Minimum concentration detected in any groundwater sample analyzed for organics. Minimum concentration detected may be estimated and below the contract required reporting limit.

Table 5. Summary of Inorganic Compounds Detected in Groundwater Samples OU III, Site IR-4 Hunters Point Annex

Test Method/ Analyte Name	Number of Analyses	Units	Number of Detected Values	Min Value	Max Value
CLP-CVAA	(19)				
Mercury		µg/L	2	0.2	0.2
CLP-FUAA	(19)				
Arsenic		µg/L	7	8.8	140
Lead		µg/L	1	4.6	4.6
Selenium		µg/L	1	1.1	1.1
Thallium		µg/L	3	2.1	19.3
CLP-ICP	(19)				
Aluminum		µg/L	5	136	178
Barium		µg/L	19	49.1	559
Calcium		µg/L	19	7,470	285,000
Cobalt		µg/L	3	7.6	19.8
Copper		µg/L	5	4.3	6.6
Iron		µg/L	4	38.2	89.5
Magnesium		µg/L	19	7,230	919,000
Manganese		µg/L	19	13.8	4,800
Molybdenum		µg/L	6	10.4	84.8
Nickel		µg/L	12	18.6	119
Potassium		µg/L	19	3,990	220,000
Silver		µg/L	1	18.5	18.5
Sodium		µg/L	19	61,500	6,600,000
Zinc		µg/L	7	5.1	30.2
EPA-300.0	(12)				
Chloride		mg/L	12	395	10,900
EPA-9045	(20)				
pH		pH	20	6.9	8.6
EPA-160.1	(12)				
Total Dissolved Solids		mg/L	12	1,370	24,300

Notes:

Concentrations expressed as micrograms (µg) or milligrams (mg) of chemical per liter (L) of groundwater.

Max Value = Maximum concentration detected in any groundwater sample analyzed for inorganics.

Min Value = Minimum concentration detected in any groundwater sample analyzed for inorganics. Minimum concentration detected may be estimated and below the contract required reporting limit.

Table 6. Summary of Organic Compounds Detected in Soil Boring Samples OU III, Site IR-5 Hunters Point Annex

Test Method/ Analyte Name	Number of Analyses	Units	Number of Detected Values	Min Value	Max Value
CLP-VOC	(108)				
Methylene chloride		µg/kg	41	3	590
Acetone		µg/kg	13	11	4,400
Carbon disulfide		µg/kg	27	1	62
Chloroform		µg/kg	3	3	8
Methyl ethyl ketone		µg/kg	5	28	89
Trichloroethene		µg/kg	2	7	8
Toluene		µg/kg	48	1	250
CLP-SOC	(107)				
2-Methylnaphthalene		µg/kg	1	4,100	4,100
Acenaphthylene		µg/kg	1	170	170
n-Nitrosodiphenylamine		µg/kg	29	150	5,200
Phenanthrene		µg/kg	3	400	3,800
Anthracene		µg/kg	1	700	700
Fluoranthene		µg/kg	9	200	3,600
Pyrene		µg/kg	10	160	5,200
Butylbenzylphthalate		µg/kg	1	420	420
Benzo(a)anthracene		µg/kg	5	190	820
Chrysene		µg/kg	9	160	1,900
Bis(2-ethylhexyl)phthalate		µg/kg	7	170	1,200
Benzo(b)fluoranthene		µg/kg	8	200	3,100
Benzo(k)fluoranthene		µg/kg	5	140	1,150
Benzo(a)pyrene		µg/kg	6	130	720
Indeno(1,2,3-cd)pyrene		µg/kg	4	320	490
Dibenzo(a,h)anthracene		µg/kg	1	410	410
Benzo(ghi)perylene		µg/kg	4	350	590
CLP-PEST/PCB	(64)				
Aroclor-1260		µg/kg	14	230	70,000
TPH DIESEL	(65)				
TPH-Diesel		mg/kg	4	168	10,980
OIL & GREASE	(63)				
Total Oil & Grease		mg/kg	38	530	9,220

Notes:

Concentrations expressed as micrograms (µg) or milligrams (mg) of chemical per kilogram (kg) of soil.

Max Value = Maximum concentration detected in any soil sample analyzed for organics.

Min Value = Minimum concentration detected in any soil sample analyzed for organics. Minimum concentration detected may be estimated and below the contract required reporting limit.

Table 7. Summary of Inorganic Compounds Detected in Soil Boring Samples OU III, Site IR-5 Hunters Point Annex

Test Method/ Analyte Name	Number of Analyses	Units	Number of Detected Values	Min Value	Max Value
CLP-CVAA	(108)				
Mercury		mg/kg	44	0.1	66.8
CLP-FUAA	(108)				
Arsenic		mg/kg	62	1	14.4
Lead		mg/kg	1	7.6	7.6
Selenium		mg/kg	12	0.5	772
Thallium		mg/kg	2	1	1,100
CLP-ICP	(108)				
Aluminum		mg/kg	107	609	43,400
Antimony		mg/kg	17	0.23	62.3
Arsenic		mg/kg	25	1.68	20.6
Barium		mg/kg	91	14.4	493
Beryllium		mg/kg	27	0.5	21.8
Cadmium		mg/kg	66	0.32	21.5
Calcium		mg/kg	107	45.1	309,200
Chromium		mg/kg	108	19	150,400
Cobalt		mg/kg	106	5.8	205
Copper		mg/kg	107	2.7	684
Iron		mg/kg	108	8,620	71,800
Lead		mg/kg	58	0.4	1815
Magnesium		mg/kg	108	3,800	264,000
Manganese		mg/kg	108	102	1,900
Molybdenum		mg/kg	37	0.39	10.1
Nickel		mg/kg	108	20.6	2,650
Potassium		mg/kg	66	584	5,650
Silver		mg/kg	3	0.4	12.4
Sodium		mg/kg	63	512	9,200
Thallium		mg/kg	8	0.07	0.24
Vanadium		mg/kg	108	8.5	235
Zinc		mg/kg	108	10.4	895
EPA-9045	(107)				
pH		pH	107	6.8	11
EPA-600/M482020	(46)				
Chrysotile Asbestos		%	41	1	15

Notes:

Concentrations expressed as milligrams (mg) of chemical per kilogram (kg) of soil.

Max Value = Maximum concentration detected in any soil sample analyzed for inorganics.

Min Value = Minimum concentrations detected in any soil sample analyzed for inorganics. Minimum concentration detected may be estimated and below the contract required reporting limit.

DRAFT

Table 8. Summary of Organic Compounds Detected in Groundwater Samples OU III, Site IR-5 Hunters Point Annex

Test Method/ Analyte Name	Number of Analyses	Units	Number of Detected Values	Min Value	Max Value
CLP-VOC	(11)				
Acetone		μg/L	1	14	14
Carbon disulfide		μg/L	1	8	8
1,2-Dichloroethene (total)		μg/L	1	3	3
CLP-SOC	(11)				
Fluoranthene		μg/L	1	6	6
Pyrene		μg/L	1	6	6
Bis(2-ethylhexyl)phthalate		μg/L	1	9	9
CLP-PEST/PCB	(11)				
Aroclor-1260		μg/L	2	1.6	2.2
TPH DIESEL	(11)				
TPH-Diesel		mg/L	1	2.7	2.7
OIL & GREASE	(11)				
Total Oil & Grease		mg/L	7	0.3	54.5

DRAFT

Notes:

Concentrations expressed as micrograms (μg) or milligrams (mg) of chemical per liter (L) of groundwater.

Max Value = Maximum concentration detected in any groundwater sample analyzed for organics.

Min Value = Minimum concentration detected in any groundwater sample analyzed for organics. Minimum concentration detected may be estimated and below the contract required reporting limit.

Table 9. Summary of Inorganic Compounds Detected in Groundwater Samples OU III, Site IR-5 Hunters Point Annex

Test Method/ Analyte Name	Number of Analyses	Units	Number of Detected Values	Min Value	Max Value
CLP-FUAA	(11)				
Antimony		µg/L	3	5.2	11.2
Arsenic		µg/L	3	3.7	15.4
Lead		µg/L	3	2.1	54
Selenium		µg/L	3	25.8	75
CLP-ICP	(11)				
Aluminum		µg/L	1	142,000	142,000
Barium		µg/L	11	61.8	2,090
Cadmium		µg/L	2	1.1	8.6
Calcium		µg/L	11	87,000	634,000
Chromium		µg/L	4	6.1	1,970
Cobalt		µg/L	2	27.6	228
Copper		µg/L	1	188	188
Iron		µg/L	4	47	311,000
Lead		µg/L	1	2.28	2.28
Magnesium		µg/L	10	275,000	1,870,000
Manganese		µg/L	11	550	6,900
Molybdenum		µg/L	1	40.8	40.8
Nickel		µg/L	11	20.6	4,100
Potassium		µg/L	10	7,730	113,000
Silver		µg/L	3	2.38	9.4
Sodium		µg/L	11	878,000	3,592,000
Vanadium		µg/L	1	429	429
Zinc		µg/L	5	13	448
EPA-300.0	(5)				
Sulfate		mg/L	1	185	185
Chloride		mg/L	5	2,500	6,130
EPA-9045	(11)				
pH		pH	11	6.8	7.95
EPA-160.1	(5)				
Total Dissolved Solids		mg/L	5	197.1	11,420

Notes:

Concentrations expressed as micrograms (µg) or milligrams (mg) of chemical per liter (L) of groundwater.

Max Value = Maximum concentration detected in any groundwater sample analyzed for inorganics.

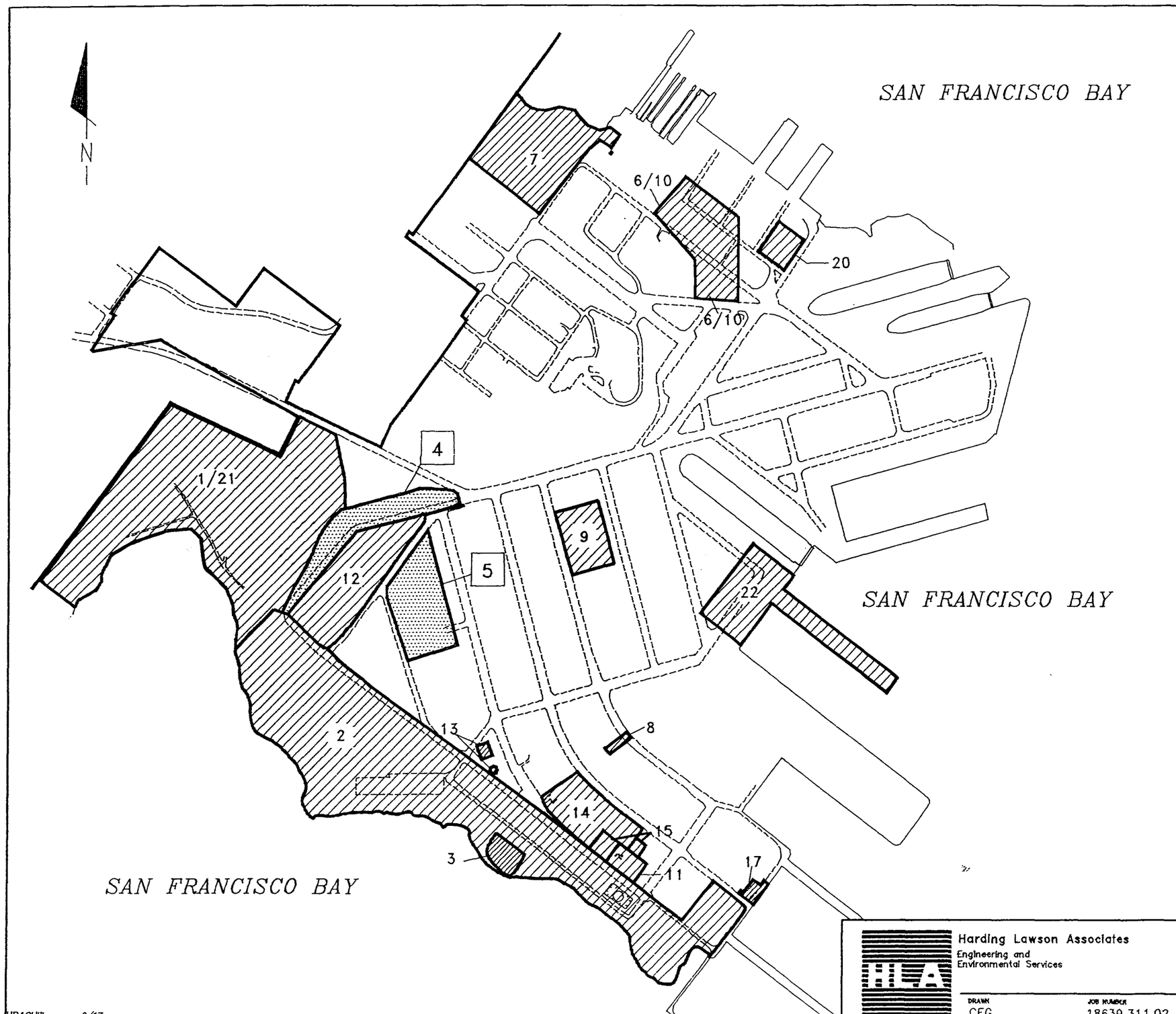
Min Value = Minimum concentration detected in any groundwater sample analyzed for inorganics. Minimum concentration detected may be estimated and below the contract required reporting limit.

N00217.002358
HUNTERS POINT
SSIC NO. 5090.3

ILLUSTRATIONS

DRAFT PRIMARY PHASE 2A DATA SUBMITTAL AND RECOMMENDATIONS FOR PHASE 2B SAMPLING PROGRAM MODIFICATIONS

DATED 23 SEPTEMBER 1991



STUDY AREAS	AREA DESIGNATIONS
1/21	INDUSTRIAL LANDFILL
2	BAY FILL AREA
3	OIL RECLAMATION PONDS
4	SCRAP YARD
5	OLD TRANSFORMER STORAGE YARD
6	TANK FARM
7	SUB-BASE AREA
8	BUILDING 503 PCB SPILL
9	PICKLING AND PLATE YARD
10	BATTERY AND ELECTROPLATING SHOP (BUILDING 123)
11	BUILDING 521, POWER PLANT AREA
12	DISPOSAL TRENCH
13	OLD COMMISSARY SITE
14	OILY LIQUID WASTE DISPOSAL SITE
15	OILY WASTE PONDS AND INCINERATION TANK
17	DRUM STORAGE AND DISPOSAL SITE
20	BUILDING 156
22	SOUTH PIER AREA

EXPLANATION

1 — INSTALLATION RESTORATION SITE STUDY AREA

4 — INSTALLATION RESTORATION SITE OUIII STUDY AREA

DRAFT

0 700
SCALE IN FEET

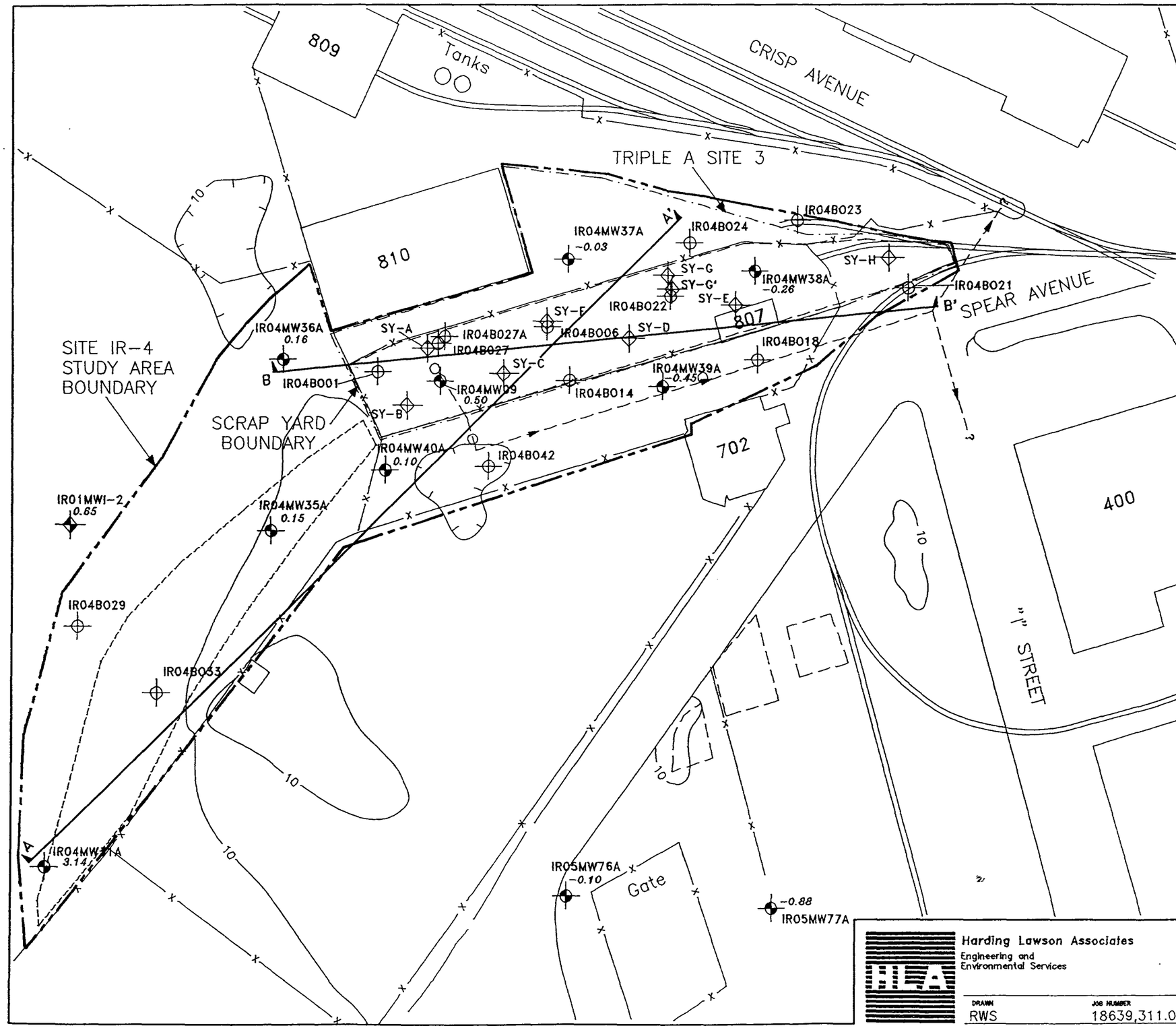
Harding Lawson Associates
Engineering and Environmental Services

Site Location Map
OUIII-Sites IR-4 and IR-5
Primary Phase 2A Remedial Investigation
Hunters Point Annex
San Francisco, California

PLATE 1

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
CEG	18639,311.02		9/91	

HPAOUIII 9/17



EXPLANATION

A — A' Cross-Section Line

IR04MW37A
-0.03
HLA Phase 2A Monitoring Well Location and Number
Groundwater Elevation in Feet above Mean Sea Level (MSL) (measured on August 19, 1991)

IR04B014
HLA Phase 2A Soil Boring Location and Number

IR01MWI-2
0.65
EMCON Well Location and Number (EMCON, 1987)
Groundwater Elevation in Feet MSL (measured on August 19, 1991)

SY-A
EMCON Soil Boring Location (Approximate) and Number (EMCON, 1987)

Approximate boundary of pile of scrap material (as observed in 1984 aerial photographs)

Approximate Storm Sewer Line, showing location of Catch Basin (circle) and direction of flow (arrow)

Fence

10 Ground Surface Elevation in Feet above MSL (contour interval=10 feet)

DRAFT

N

0 50 100
SCALE IN FEET

CAD File Name: HPAIR-4 Last Plot: 9/17

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Soil Boring and Monitoring Well Locations
Scrap Yard, Site IR-4
Primary Phase 2A Remedial Investigation
Hunters Point Annex
San Francisco, California

PLATE 2

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RWS	18639,311.02		9/91	

ASTM D2488-84

MAJOR DIVISIONS				TYPICAL NAMES
COARSE-GRAINED SOILS MORE THAN HALF IS COARSER THAN No. 200 SIEVE	GRAVELS MORE THAN HALF COARSE FRACTION IS LARGER THAN No. 4 SIEVE	CLEAN GRAVELS WITH < 5% FINES	GW	WELL GRADED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES
			GP	POORLY GRADED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES
		GRAVELS WITH 5-15% FINES	GW-GC	WELL GRADED GRAVELS WITH CLAY, WITH OR WITHOUT SAND
			GP-GC	POORLY GRADED GRAVELS WITH CLAY, WITH OR WITHOUT SAND
			GW-GM	WELL GRADED GRAVELS WITH SILT, WITH OR WITHOUT SAND
			GP-GM	POORLY GRADED GRAVELS WITH SILT, WITH OR WITHOUT SAND
		GRAVELS WITH OVER 15% FINES	GC	CLAYEY GRAVELS WITH OR WITHOUT SAND
			GM	SILTY GRAVELS WITH OR WITHOUT SAND
	SANDS MORE THAN HALF COARSE FRACTION IS SMALLER THAN No. 4 SIEVE	CLEAN SANDS WITH < 5% FINES	SW	WELL GRADED SANDS WITH OR WITHOUT GRAVEL, LITTLE OR NO FINES
			SP	POORLY GRADED SANDS WITH OR WITHOUT GRAVEL, LITTLE OR NO FINES
		SANDS WITH 5-15% FINES	SW-SC	WELL GRADED SANDS WITH CLAY, WITH OR WITHOUT GRAVEL
			SP-SC	POORLY GRADED SANDS WITH CLAY, WITH OR WITHOUT GRAVEL
			SW-SM	WELL GRADED SANDS WITH SILT, WITH OR WITHOUT GRAVEL
			SP-SM	POORLY GRADED SANDS WITH SILT, WITH OR WITHOUT GRAVEL
		SANDS WITH OVER 15% FINES	SC	CLAYEY SANDS WITH OR WITHOUT GRAVEL
			SM	SILTY SANDS WITH OR WITHOUT GRAVEL
FINE-GRAINED SOILS MORE THAN HALF IS FINER THAN No. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT 50% OR LESS		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, CLAYS WITH SAND AND GRAVEL, LEAN CLAYS
			ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTS WITH SAND AND GRAVEL
			OL	ORGANIC SILTS OR CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS (Borderline classification used to indicate the soil does not have field identifiable properties that place the soil in a specific group.)		ML/CL	INORGANIC CLAYEY SILTS, WITH OR WITHOUT SAND AND GRAVEL
			CL/ML	INORGANIC SILTY CLAYS OF LOW TO MEDIUM PLASTICITY, WITH OR WITHOUT SAND AND GRAVEL
			MH/CH	INORGANIC ELASTIC CLAYEY SILTS, WITH OR WITHOUT SAND AND GRAVEL
			CH/MH	INORGANIC SILTY CLAYS OF HIGH PLASTICITY, WITH OR WITHOUT SAND AND GRAVEL
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50%		CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
			OH	ORGANIC SILTS OR CLAYS OF MEDIUM TO HIGH PLASTICITY
			Pt	PEAT AND OTHER HIGHLY ORGANIC SOILS
OTHER	BOULDERS > 50%		BF	BOULDER FILL WITH OR WITHOUT GRAVEL, SAND, AND FINES
	SERPENTINITE BEDROCK		sp	SERPENTINITE BEDROCK

KEY TO BOREHOLE NUMBERING SYSTEM

06 MW 32

- 32 — Well or Boring Number
- MW — Boring or Monitoring Well Designation (B=Boring, MW=Monitoring Well)
- 06 — IR Site Number

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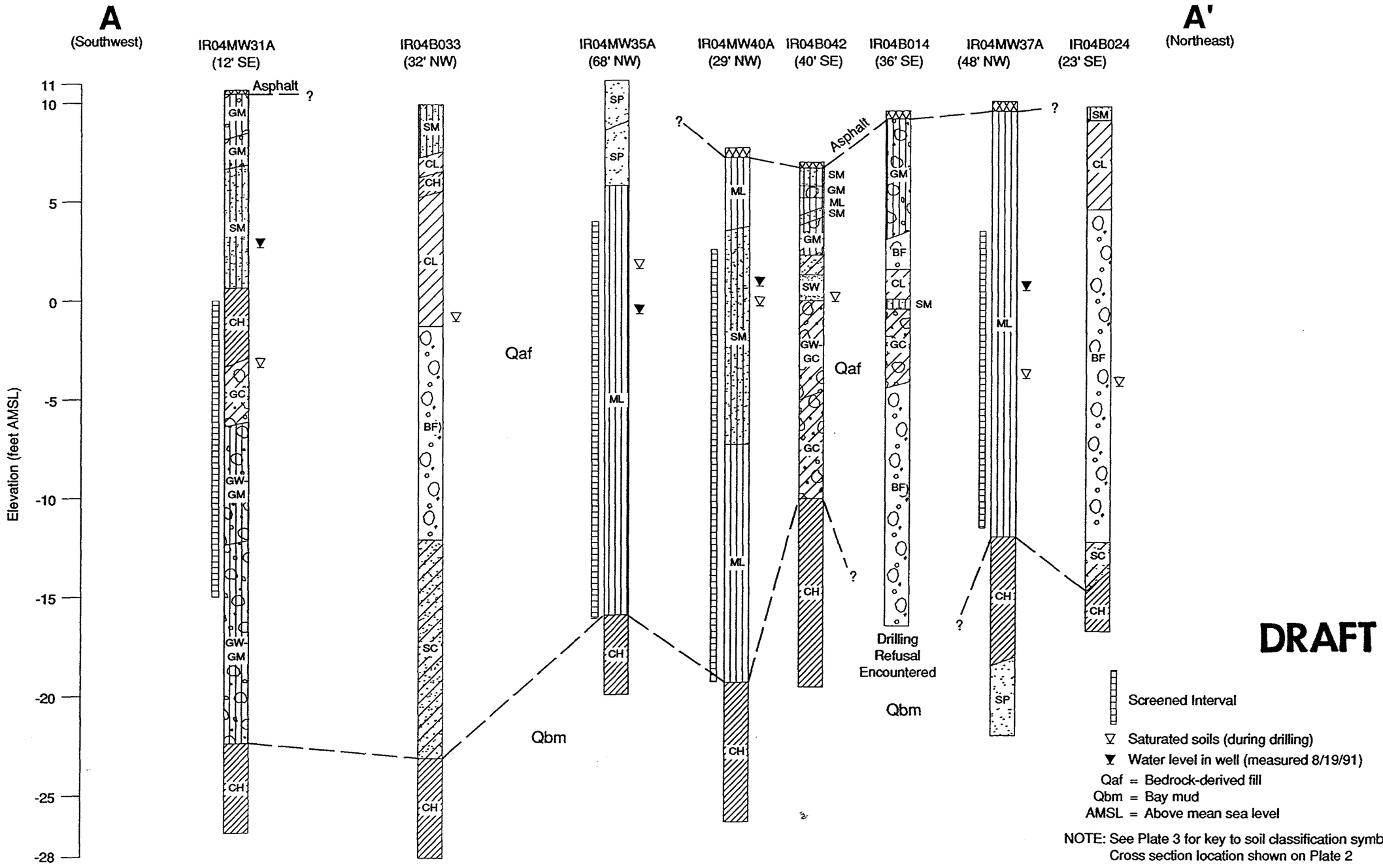
ASTM Soil Classification Chart
Primary Phase 2A Remedial Investigation
Hunters Point Annex
San Francisco, California

PLATE **3**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
PK	18639,311.02		9/91	



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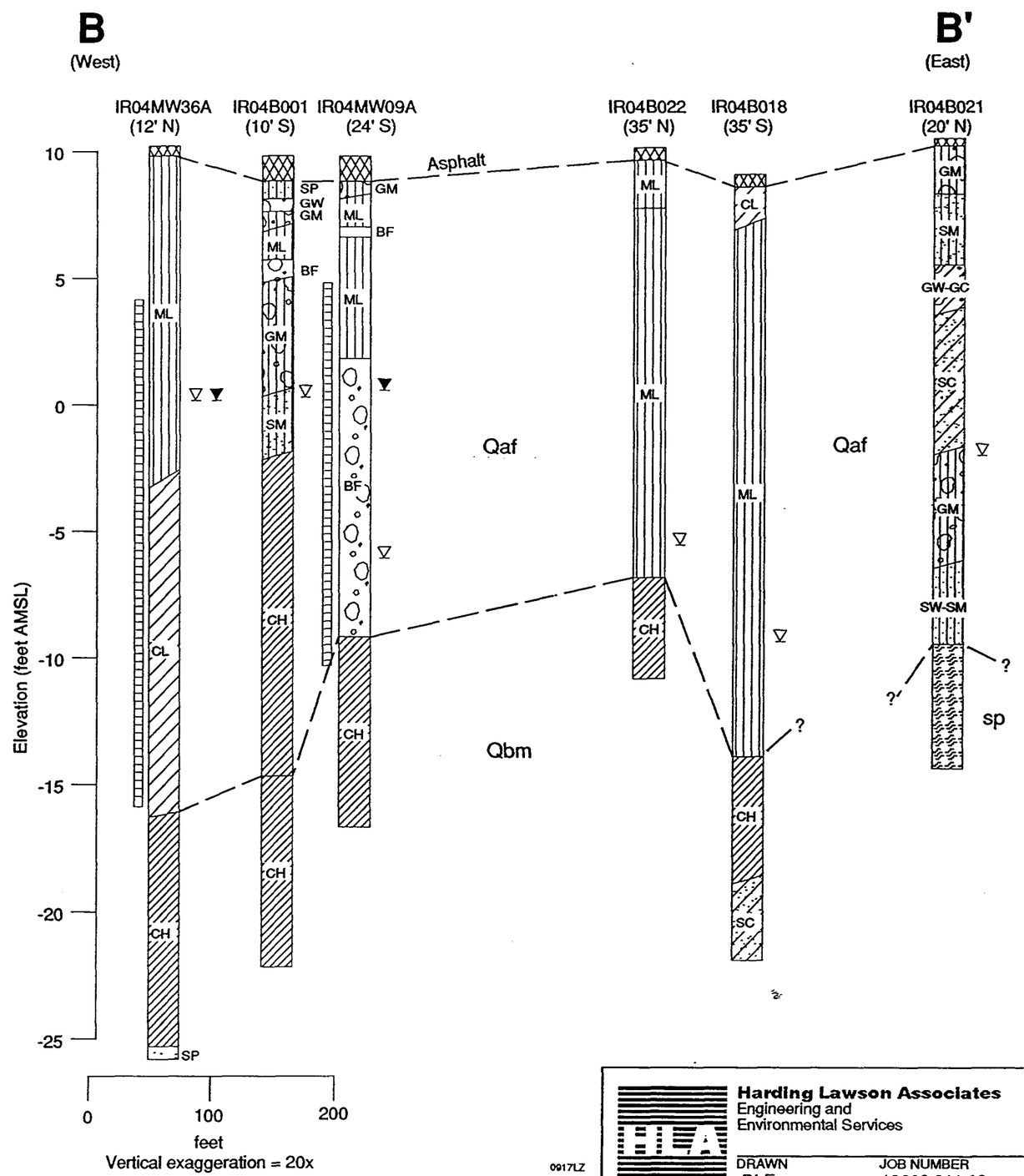
Environmental Services

Cross Section A-A'
Scrap Yard, Site IR-4
Primary Phase 2A Remedial Investigation
Hunters Point Annex
San Francisco, California

PLATE
4

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
DLFc	18639,311.02		9/91	



DRAFT

Screened Interval

▽ Saturated soils (during drilling)

▼ Water level in well (measured 8/19/91)

Qaf = Bedrock-derived fill
Qbm = Bay mud
sp = Serpentinite bedrock
AMSL = Above mean sea level

NOTE: See Plate 3 for key to soil classification symbols
Cross section location shown on Plate 2

Harding Lawson Associates
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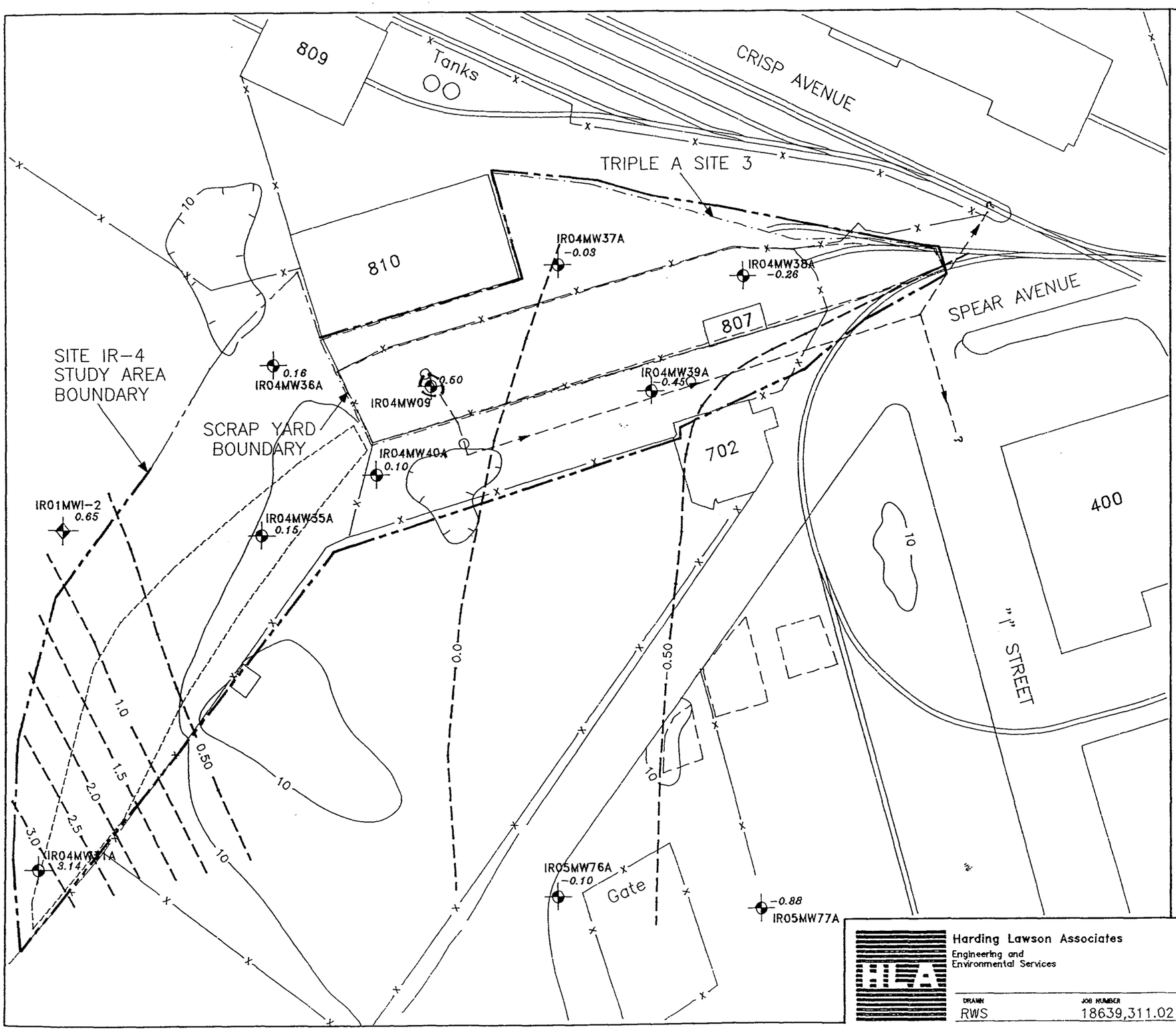
Cross Section B-B'
Scrap Yard, Site IR-4
Primary Phase 2A Remedial Investigation
Hunters Point Annex
San Francisco, California

PLATE **5**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
DLFc	18639,311.02		9/91	



EXPLANATION

IR04MW37A
-0.03
HLA Phase 2A Monitoring Well Location and Number
Groundwater Elevation in Feet above Mean Sea level (MSL) (measured on August 19, 1991)

IR01MWI-2
EMCON Well Location and Number (EMCON, 1987)

0.50
Water-Level Elevation Contour (contour interval = 0.5 foot)

Approximate Boundary of Pile of Scrap Material (as observed in 1984 aerial photographs)

Approximate Storm Sewer Line, showing location of catch basin (circle) and direction of flow (arrow)

Fence

10
Ground Surface Elevation in Feet (contour interval = 10 ft)

N

0 50 100
SCALE IN FEET

DRAFT

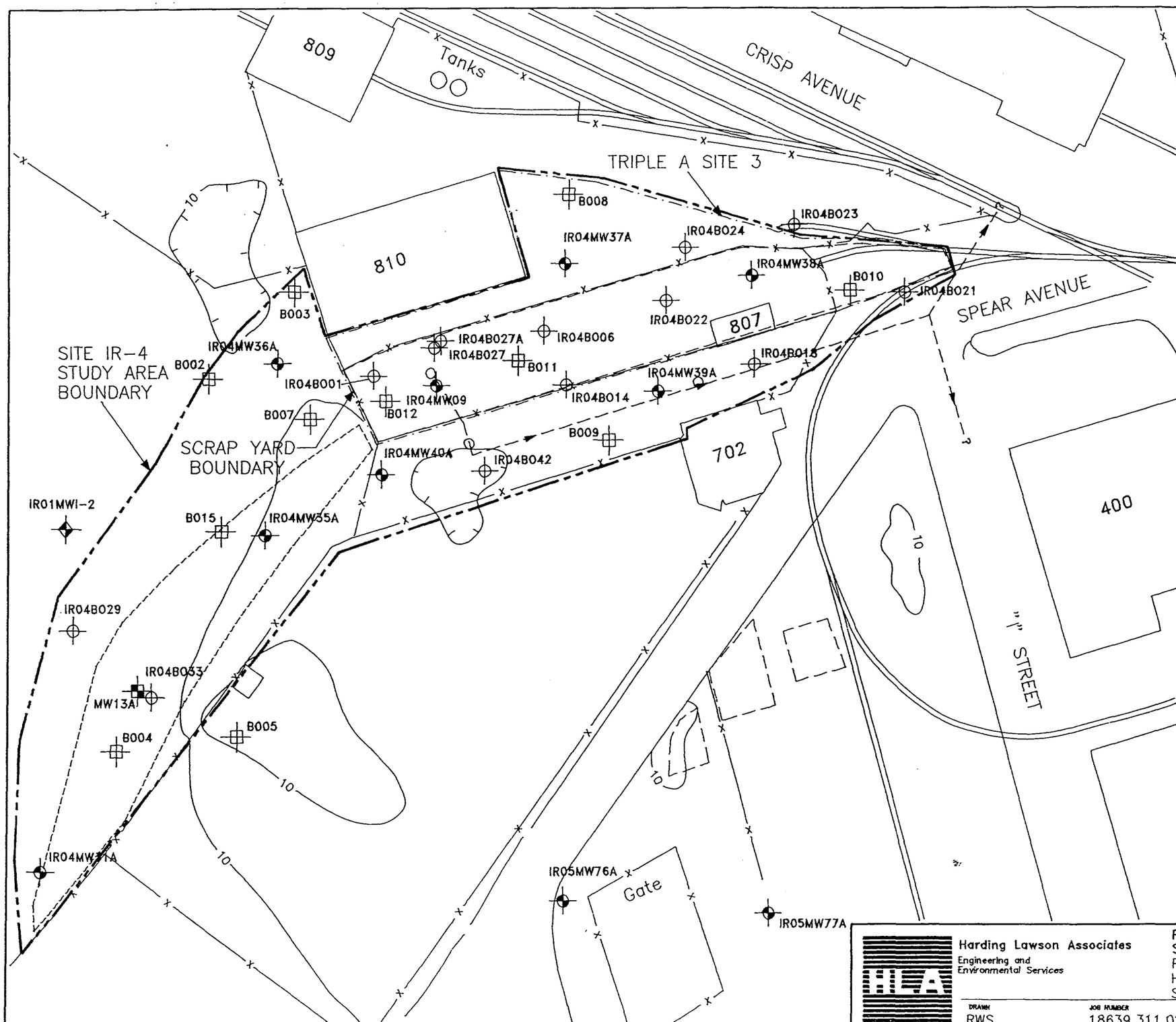
CAD File Name: HPAIR-4W Last Plot: 09/13/91

Harding Lawson Associates
Engineering and Environmental Services

Water Level Contour Map – August 1991
Scrap Yard, Site IR-4
Primary Phase 2A Remedial Investigation
Hunters Point Annex
San Francisco, California

PLATE 6

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RWS	18639,311.02		9/91	



EXPLANATION

MW13A — Proposed HLA Phase 2B Monitoring Well Location and Number

B002 — Proposed HLA Phase 2B Test Boring Location and Number

IR04MW37A — HLA Phase 2A Monitoring Well Location and Number

IR04B014 — HLA Phase 2A Soil Boring Location and Number

IR01MW1-2 — EMCON Well Location and Number (EMCON, 1987)

Approximate Boundary of Pile of Scrap Material (as observed in 1984 aerial photographs)

Approximate Storm Sewer Line, showing location of catch basin (circle and direction of flow (arrow)

10 — Ground Surface Elevation in Feet above Mean Sea Level (contour interval=10 feet)

x — Fence

DRAFT

N

0 50 100
SCALE IN FEET

CAD File Name: HPAIR-4P Last Plot: 09/13/91

Harding Lawson Associates
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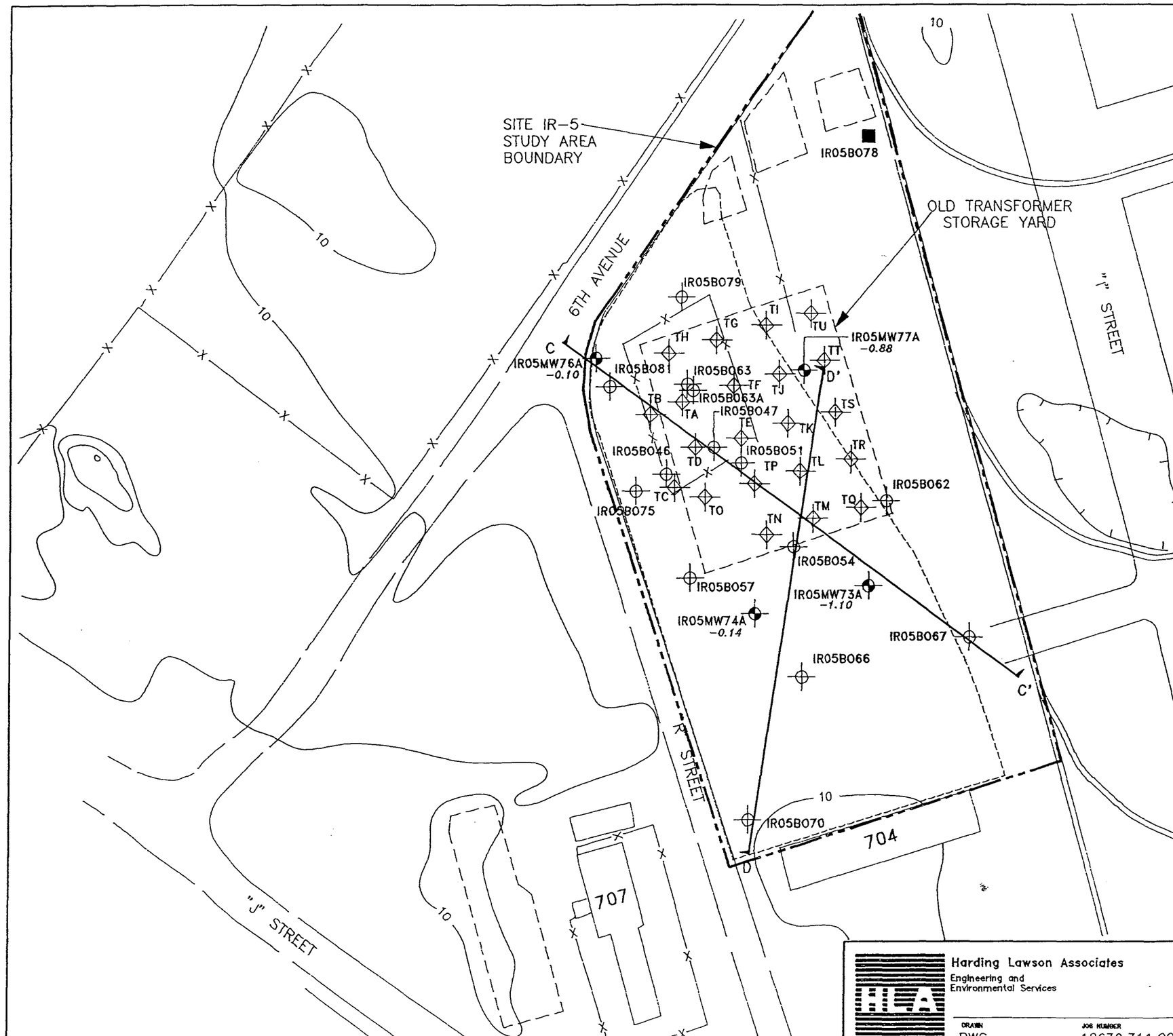
Proposed Soil Boring and Monitoring Well Locations
Scrap Yard, Site IR-4
Primary Phase 2A Remedial Investigation
Hunters Point Annex
San Francisco, California

PLATE 7

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RWS	18639,311.02		9/91	



EXPLANATION

C — C' Cross-Section Line

IR05MW74A -0.14 HLA Phase 2A Monitoring Well Location and Number Groundwater Elevation in Feet above Mean Sea Level (MSL) (measured on August 19, 1991)

IR05B047 HLA Phase 2A Soil Boring Location and Number

IR05B078 HLA Phase I Pilot Soil Boring Location and Number

TA EMCON Soil Boring Location (approximate) and Number (EMCON, 1987)

Approximate Boundary of Area of Ground Staining (as observed in 1984 aerial photographs)

10 Ground Surface Elevation in Feet aboe MSL (contour interval = 10 ft)

X Fence

N

0 50 100
SCALE IN FEET

DRAFT

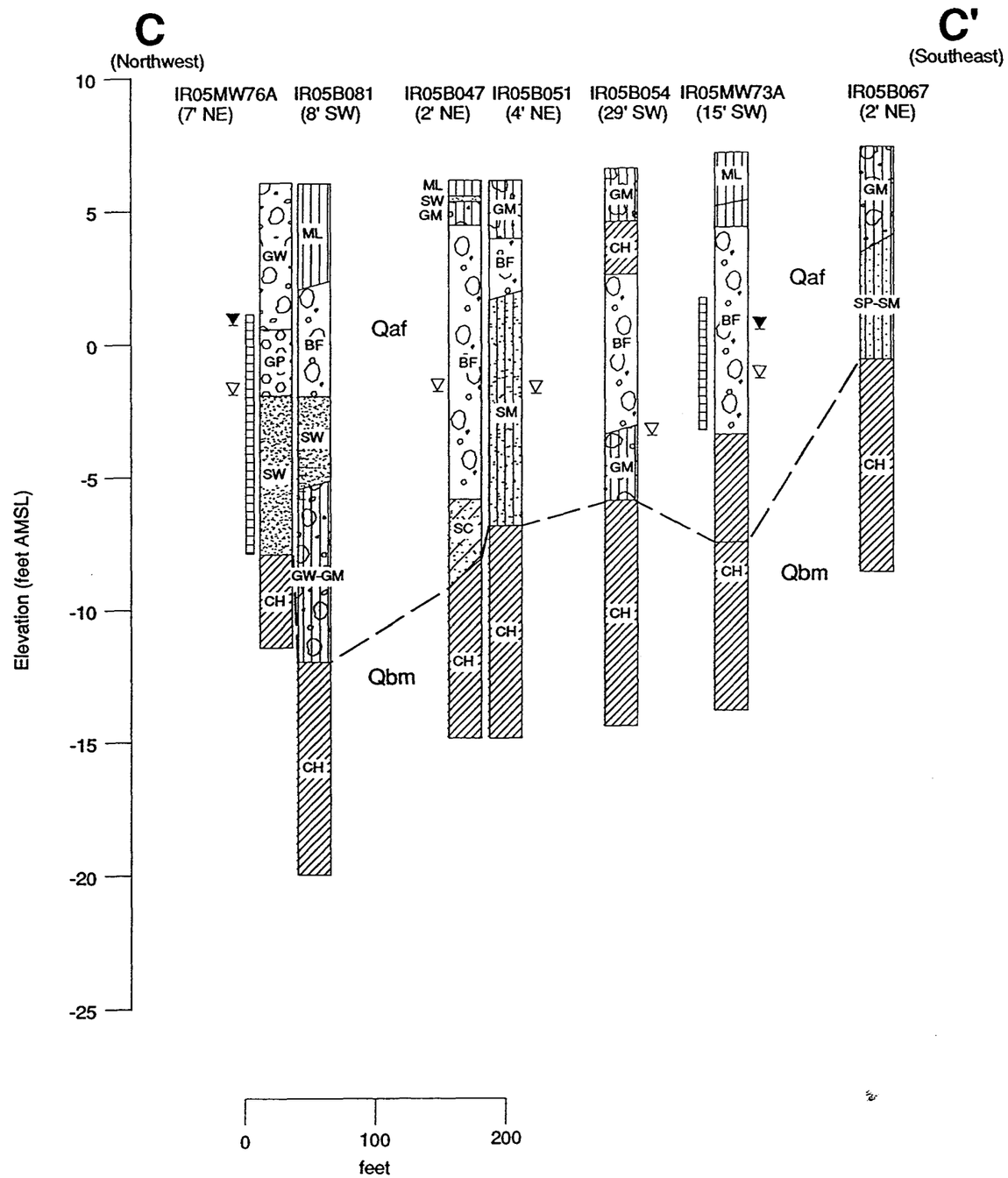
CAD File Name: HPAIR-5 Last Plot: 09/13/91

Harding Lawson Associates
Engineering and Environmental Services

Soil Boring and Monitoring Well Locations
Old Transformer Storage Yard, Site IR-5
Primary Phase 2A Remedial Investigation
Hunters Point Annex
San Francisco, California

PLATE 8

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RWS	18639,311.02		9/91	



DRAFT

Screened Interval

▽ Saturated soils (during drilling)

▼ Water level in well (measured 8/19/91)

Qaf = Bedrock-derived fill

Qbm = Bay mud

AMSL = Above mean sea level

NOTE: See Plate 3 for key to soil classification symbols
Cross section location shown on Plate 8

0917LZ

Harding Lawson Associates
Engineering and
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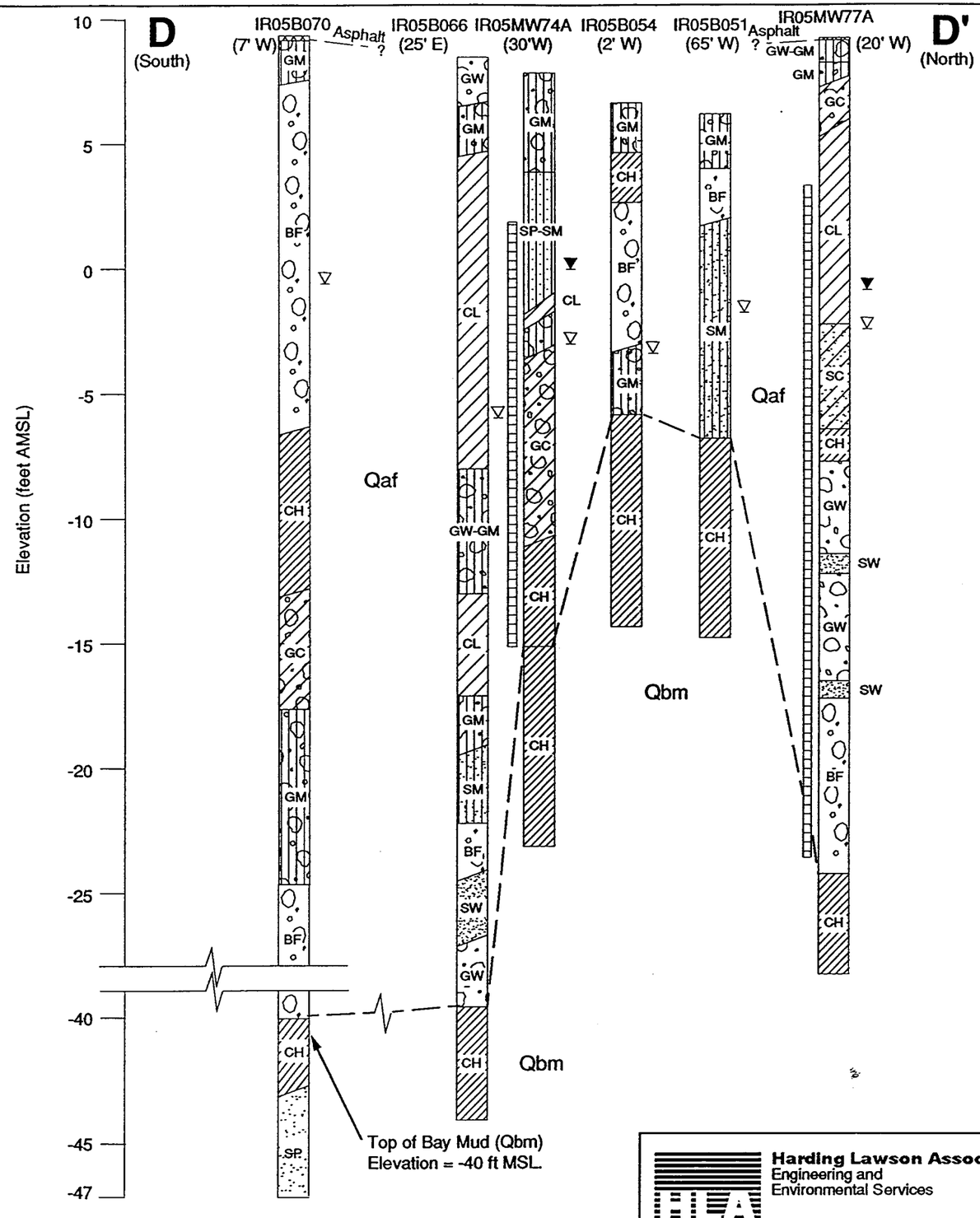
Cross Section C-C'
Scrap Yard, Site IR-5
Primary Phase 2A Remedial Investigation
Hunters Point Annex
San Francisco, California

PLATE **9**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
DLFc	18639,311.02		9/91	



DRAFT

Screened Interval

Saturated soils (during drilling)

Water level in well

Qaf = Bedrock-derived fill

Qbm = Bay mud

AMSL = Above mean sea level

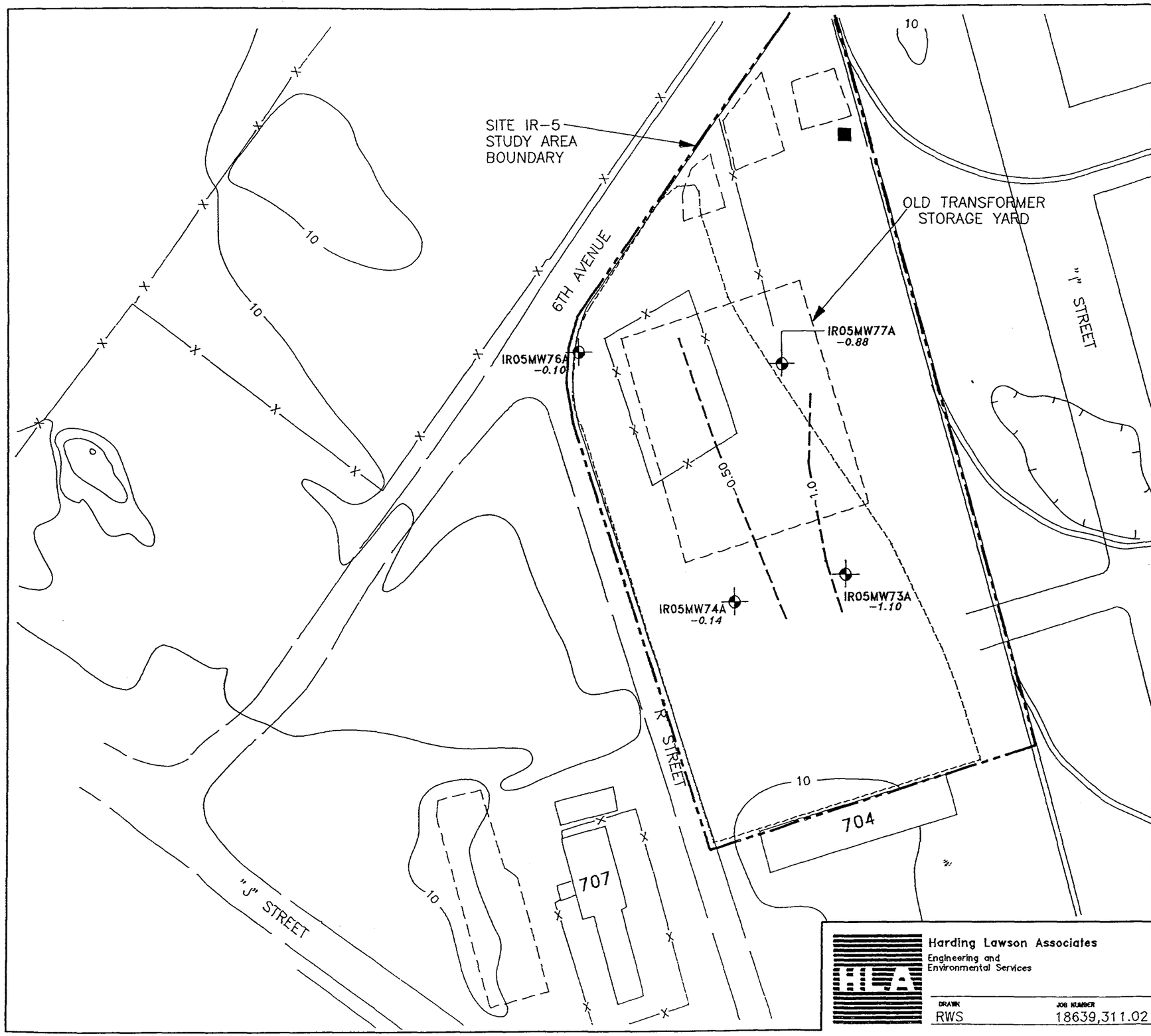
NOTE: See Plate 3 for key to soil classification symbols
Cross section location shown on Plate 8

Harding Lawson Associates
Engineering and
Environmental Services

Cross Section D-D'
Scrap Yard, Site IR-5
Primary Phase 2A Remedial Investigation
Hunters Point Annex
San Francisco, California

PLATE
10

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
DLFc	18639,311.02		9/91	



EXPLANATION

IR05MW74A
-0.14
HLA Phase 2A Monitoring Well Location and Number
Groundwater Elevation in Feet above Mean Sea Level (MSL) (measured on August 19, 1991)

0.50
Water-Level Elevation Contour (contour interval = 0.5 foot)

Approximate boundary of area of ground staining (as observed in 1984 aerial photographs)

10
Ground Surface Elevation in Feet above MSL (contour interval=10 feet)

X
Fence

N

0 50 100
SCALE IN FEET

DRAFT

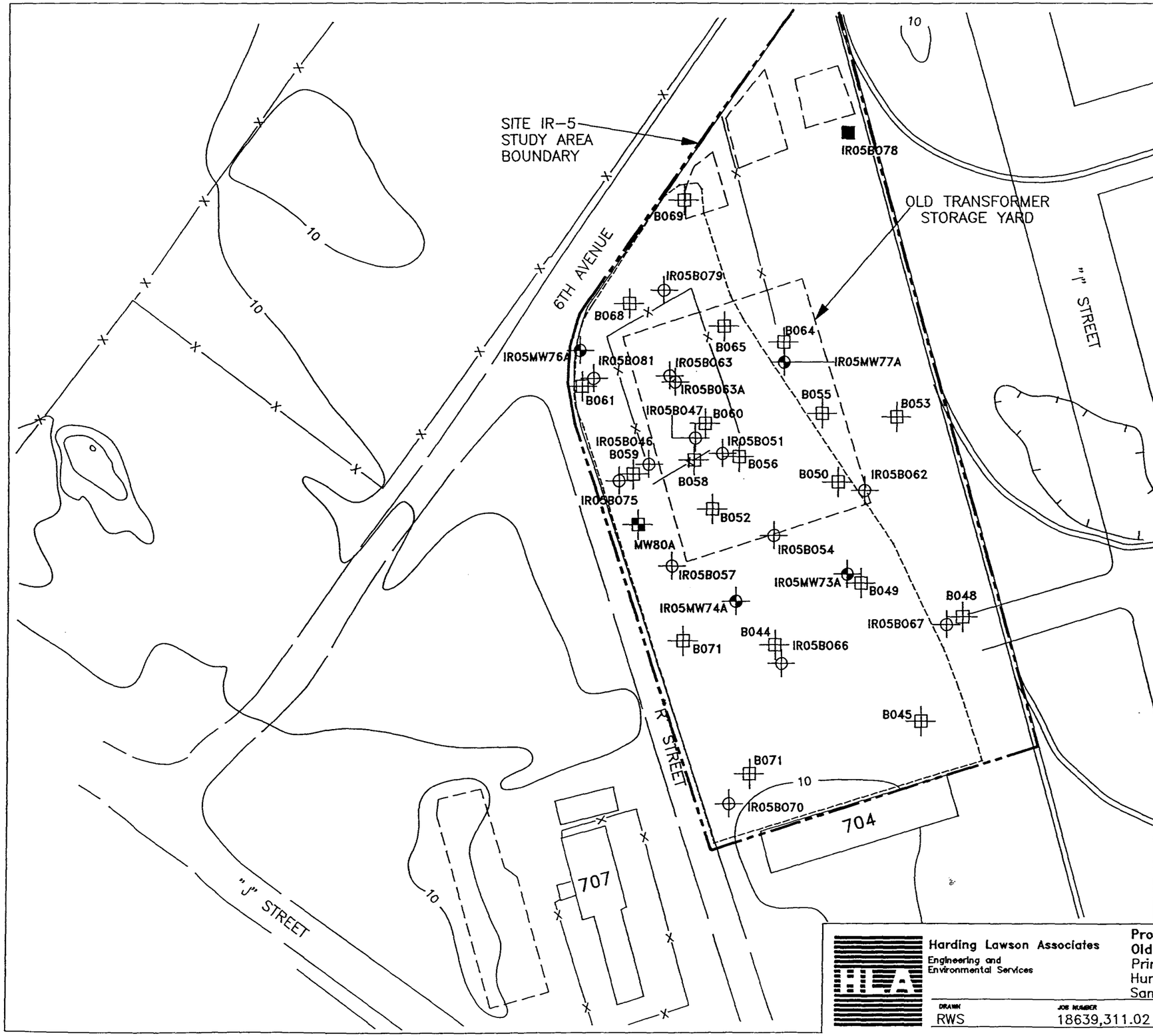
CAD File Name: HPAIR-5W Last Plot: 09/13/91

Harding Lawson Associates
Engineering and Environmental Services

Water Level Contour Map – August 1991
Old Transformer Storage Yard, Site IR-5
Primary Phase 2A Remedial Investigation
Hunters Point Annex
San Francisco, California

PLATE 11

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RWS	18639,311.02		9/91	



EXPLANATION

MW80A — Proposed HLA Phase 2B Monitoring Well Location and Number

B044 — Proposed HLA Phase 2B Soil Boring Location and Number

IR05MW74A — HLA Phase 2A Monitoring Well Location and Number

IR05B047 — HLA Phase 2A Soil Boring Location and Number

IR05B078 — HLA Phase I Pilot Soil Boring Location and Number

Approximate Boundary of Area of ground staining (as observed in 1984 aerial photographs)

—10— Ground Surface Elevation in Feet above mean sea level (contour interval = 10 ft)

—X— Fence

N

0 50 100
SCALE IN FEET

DRAFT

CAD File Name: HPAIR-5P Last Plot: 09/13/91

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Proposed Soil Boring and Monitoring Well Locations
Old Transformer Storage Yard, Site IR-5
Primary Phase 2A Remedial Investigation
Hunters Point Annex
San Francisco, California

PLATE 12

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RWS	18639,311.02		9/91	

Appendix A

LOGS OF BORINGS AND WELL COMPLETION DETAILS
OU III (SITES IR-4 AND IR-5)

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LOGS OF BORINGS AND WELL COMPLETION DETAILS
SITE IR-4

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Log of Boring: IR04B001
Equipment: CME 750 (HSA), 8.0 in. diam.
Date: 11/13/1990
Elevation: GS 9.90 feet
Total Depth: 32.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
			0	ASPHALT
4 24 24	2	9046H404		DARK BROWN POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM), 10YR3/3, very loose, moist, 50-70% fine to medium-grained sand, 20-40% fine to medium gravel, 10% silt, fill
25 29 30	0	9046H405		DARK BROWN WELL-GRADED GRAVEL WITH SAND (GW) 10YR3/3, loose, dry, 80-90% angular gravel, 10-20% fine to coarse-grained sand, fill
14 20 20			5	OLIVE SILTY GRAVEL WITH SAND (GM) 5Y4/3, medium dense, moist, 50-70% well-graded gravel, 10-20% sand, 10-30% silt, trace wood, fill
17 21 23	0	9046H406		DARK OLIVE GRAY GRAVELLY SILT WITH SAND (ML) 5Y3/2, medium stiff, moist, 50-60% silt, 30-40% well-graded gravel, 10-20% well-graded sand, fill
4 6 6	0	9046H407	10	DARK GREENISH GRAY SERPENTINITE BOULDER FILL intensely fractured
				DARK OLIVE GRAY SILTY GRAVEL WITH SAND (GM) 5Y3/2, loose to medium dense, moist, 50-70% very well-graded serpentinite gravel, 10-20% sand, 10-30% silt, fill
4 6 6	0	9046H408	15	DARK GREENISH GRAY SILTY SAND WITH GRAVEL (SM) 5GY4/1, loose to medium dense, wet, 50-60% fine to coarse-grained sand, 10-30% silt, 10-20% serpentinite gravel, fill
				DARK GRAY FAT CLAY WITH GRAVEL (CH) 5Y4/1, soft, moist, 70-80% clay, 10-20% fine to medium gravel, 10-20% well-graded sand, fill
5 8 9		9046H409	20	Sandy at 15 ft. Decreasing gravel at 20 ft
3 4 3	0		25	DARK GREENISH GRAY FAT CLAY (CH) 5GY4/1, medium stiff, moist, 90-100% clay, 0-10% silt, 1-5% shell fragments, Bay Mud deposits
3 3 3	2	9046H410	30	Bottom of boring at 32 feet. Boring backfilled with bentonite cement grout (11/13/90)

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Log of Boring: IR04B001
Primary Phase Remedial Investigation
Naval Station, Treasure Island, [illegible]
San Francisco, California

PLATE **A1**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		4/91	

Log of Boring: IR04B006
Equipment: CME 750 (HSA), 8.0 in. diam.
Date: 11/13/1990
Elevation: GS 9.99 feet
Total Depth: 7.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Sample	
			0		ASPHALT
4 50	0	9046H411			BROWN SILTY GRAVEL WITH SAND (GM) 10YR5/3, very loose, dry, 50-60% well-graded gravel, 20-30% silt, 10-20% fine to medium-grained sand, fill
12 15 25	0	9046H412			Decreasing silt to 10-25%
15 28 25	0	9046H413	5		VERY DARK GRAY LEAN CLAY WITH GRAVEL (CL) medium dense, moist, 85-90% clay, 5-10% fine to medium gravel, 5-10% fine to medium-grained sand, fill
					OLIVE SERPENTINITE FILL crushed, decreasing weathering with depth
					Bottom of boring at 7.0 feet. Boring backfilled with bentonite cement grout (11/13/90)

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Log of Boring: IR04B006
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A2**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		9/91	

Log of Boring: IR04B014
Equipment: CME 55 (HSA), 8.0 in. diam.
Date: 11/14/1990
Elevation: GS 9.47 feet
Total Depth: 26.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
			0	ASPHALT
27 26 45 10 10 11	0 0	9046G470 9046G471		GRAY SILTY GRAVEL WITH SAND (GM) 5/0, dense, moist, 50–55% fine to coarse gravel, 15–20% sand, 15–20% silt, fill Color change to strong brown (7.5YR5/6) at 2 ft.
4 10 10	0	9046G472	5	Color change to olive (5Y4/3) at 2.5 ft., some serpentinite gravel, 5% clay
				SERPENTINITE BOULDER FILL dense, wet
				OLIVE LEAN CLAY (CL) 5Y4/3, soft, moist, fill
5 6 8	1	9046G473	10	DARK GREENISH GRAY SILTY SAND (SM) 5GY4/1, loose, wet, 65–75% very fine to coarse-grained sand, 15–25% silt, 5–10% fine serpentinite gravel, fill
				DARK GREENISH GRAY CLAYEY GRAVEL (GC) 5GY4/1, medium dense, moist to wet, 55–60% mostly serpentinite gravel, 20–25% clay, 10% silt, 10% sand, fill
4 8 8	1	9046G476	15	DARK BLUISH SERPENTINITE FILL 5B4/1, soft, moist to wet, weak, deeply weathered, intensely fractured, wet on surfaces
6 11 18	0	9046G477	20	Moderately hard, moderately strong, moderately fractured at 19.5 ft.
22 24 26	0		25	Dusky red chart at 25.5 ft. Bottom of boring at 26 ft. Boring backfilled with bentonite cement grout (11/14/90)

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Log of Boring: IR04B014
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A3**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		8/91	

Log of Boring: IR04B018
Equipment: CME 750 (HSA), 8.0 in. diam.
Date: 11/20/1990
Elevation: GS 9.15 feet
Total Depth: 31.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
			0	ASPHALT
6 16 16	0	9047N169		VERY DARK GRAY LEAN CLAY WITH GRAVEL (CL) 7.5YR3/0, stiff, moist, 80% clay, 15% fine gravel, 5% medium-grained sand, fill
10 20 18	0	9047N170		DARK OLIVE GRAY GRAVELLY SILT (ML) 5Y3/2, stiff, moist, 60% silt, 30% fine angular serpentinite gravel, 10% fine-grained sand, fill
8 9 13		9047N171	5	
10 10 9	0	9047N172	10	Color change to light greenish gray (5G7/1) at 9.5 ft.
5 7 6	0	9047N173	15	
				Wet at 18.5 ft.
6 7 8		9047N174	20	
				DARK GREENISH GRAY FAT CLAY (CH) 5BG4/1, soft, wet, 90% clay, less than 5% very fine-grained sand, trace shell fragments, Bay Mud deposits
2 2 3	10	9047N175	25	
				DARK GREENISH GRAY CLAYEY SAND (SC) 80% fine-grained sand, 20% clay
2 2 2	7	9047N176	30	
				Bottom of boring at 31 feet. Boring backfilled with bentonite cement grout (11/21/90)

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Log of Boring: IR04B018
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A4**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
CDT	18639,305.02		5/91	

Log of Boring: IR04B021
Equipment: CME 55 (HSA), 8.0 in. diam.
Date: 11/15/1990
Elevation: GS 10.58 feet
Total Depth: 24.9 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
			0	ASPHALT
38 26 14	1	9046G478		DARK REDDISH BROWN SILTY GRAVEL WITH SAND (GM) 5YR3/3, dense, moist, 55-65% fine to coarse gravel, 20-25% fine to coarse-grained sand, 15% silt, fill
14 14 19	1	9046G479		
7 5 12	2	9046G480	5	OLIVE SILTY SAND WITH GRAVEL (SM) 5Y4/3, medium dense, moist, 40-50% serpentinite sand, 20-25% serpentinite silt, 20-25% fine to coarse serpentinite gravel, fill
				BROWNISH YELLOW WELL-GRADED GRAVEL WITH CLAY (GW-GC) 10YR5/8, medium dense, moist, 75-80% fine to coarse gravel, 10% sand, 10% clay, fill
12 13 9	0	9046G481	10	BROWNISH YELLOW CLAYEY SAND (SC) 10YR5/8, medium dense, moist, 65-70% fine-grained sand, 15-20% clay, 10% fine angular gravel, fill
				Wet at 12.5 ft.
				YELLOWISH BROWN SILTY GRAVEL WITH SAND (GM) 10YR5/8, loose, wet, 60-70% fine to coarse gravel, 15-20% silt, 15% fine to medium-grained sand, fill
5 6 7	0	9046G482	15	
				OLIVE BROWN WELL-GRADED SAND WITH SILT (SW-SM) 2.5Y4/4, loose, wet, 80-85% fine to coarse-grained sand, 10% silt, 5% fine gravel, trace shell fragments
7 14 50	0	9046G485	20	GREENISH GRAY SERPENTINITE 5G5/2, closely fractured, weak, moderately weathered, wet along fractures
75	0		25	Bottom of boring at 24.9 ft. Boring backfilled with bentonite cement grout (11/15/90)

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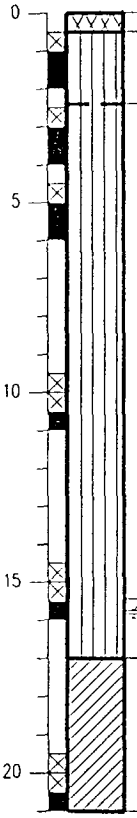
Log of Boring: IR04B021
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A5**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		8/91	

Log of Boring: IR04B022
Equipment: CME 750 (HSA), 8.0 in. diam.
Date: 11/30/1990
Elevation: GS 10.21 feet
Total Depth: 21.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Sample
10			0	
15				
40	0	9048N231		
5				
15				
23	0	9048N232		
10			5	
27				
27	0	9048N233		
12			10	
14				
13	0	9048N234		
4			15	
7				
11	0	9048N235		
2			20	
2				
3	0	9048N236		



ASPHALT

LIGHT OLIVE BROWN SILT WITH SAND (ML)
2.5Y5/4, very stiff, moist,
75% silt, 15% fine to medium-grained sand,
10% fine gravel (weathered serpentinite fill)

VERY DARK GRAY SILT (ML)
2.5Y3/0, very stiff, moist,
90% silt, 10% fine gravel (serpentinite fill)

Wet at 15.75 ft.

VERY DARK GRAY FAT CLAY (CH)
5Y3/1, soft, moist,
95% fat clay, 5% shell fragments, Bay Mud deposits

Bottom of boring at 21 feet. Boring backfilled with bentonite cement grout (12/03/90)

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Log of Boring: IR04B022
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A6**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Log of Boring: IR04B023
Equipment: CME 750 (HSA), 8.0 in. diam.
Date: 11/15/1990
Elevation: GS 10.68 feet
Total Depth: 36.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
			0	ASPHALT
13, 30, 31	1	9046H422		BROWN SILTY GRAVEL WITH SAND (GM) 10YR5/3, loose, dry, 50-60% well-graded subrounded gravel, 30% silt, 10-20% fine to medium-grained sand, fill
14, 27, 35	0	9046H423		
			5	VERY DARK GRAY WELL-GRADED GRAVEL WITH SILT (GW-GM) 10YR3/2, loose, dry, 70-90% gravel, 10-20% silt, 0-10% sand, fill
15, 15, 16	0	9046H424		GREENISH GRAY SERPENTINITE BOULDER FILL dry, crushed to moderately fractured, fill
				STRONG BROWN SILTY GRAVEL (GM) 7.5YR5/8, medium dense, dry, 60-70% well-graded gravel, 15-35% silt, 5-10% fine to medium-grained sand, fill
			10	
8, 13, 11	0	9046H425		Increase gravel at 5 ft.
				REDDISH YELLOW SILTY SAND WITH GRAVEL (SM) medium dense, dry, 60% fine to coarse-grained sand, 30% silt, 10% well-graded gravel, fill
			15	DARK BROWN LEAN CLAY (CL) 7.5YR3/4, soft, moist, 90-95% clay, 5-10% silt, fill
2, 10, 9	1	9046H428		REDDISH YELLOW SILTY SAND WITH GRAVEL (SM) medium dense, dry, fill
				DARK BROWN WELL-GRADED GRAVEL (GM) very loose, wet, 90% angular gravel, 10% medium to coarse-grained sand, fill
			20	
1, 1, 2	0	9046H429		DARK GREENSIH GRAY FAT CLAY (CH) 5GY4/1, soft to medium stiff, moist, 85-90% clay, 5-10% sand, 5% silt, Bay Mud deposits?
				DARK GREENISH GRAY CLAYEY SAND (SC) 5GY4/1, medium dense, wet, 60% fine to medium-grained sand, 40% fat clay, 10-15% shell fragments
			25	
2, 2, 2	0	9046H430		
			30	
50		9046H431		OLIVE POORLY GRADED SAND WITH GRAVEL (SP) 5Y4/4, dense, wet, 70-80% fine to medium-grained sand, 20-30% fine subrounded to subangular gravel, trace shell fragments
				WELL-GRADED GRAVEL (GW) (unit logged from drill cuttings and drill rig behavior)
			35	
28, 50				Heaving sands and gravels, sample refusal at 36 feet. Bottom of boring at 36 feet. Boring backfilled with bentonite cement grout (11/15/90)

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Log of Boring: IR04B023
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A7**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
CDT	18639,305.02		5/91	

Log of Boring: IR04B024
Equipment: CME 750 (HSA), 8.0 in. diam.
Date: 12/03/1990
Elevation: GS 9.96 feet
Total Depth: 26.5 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
36 50	0	9049H531	0	DARK YELLOWISH BROWN SILTY SAND WITH GRAVEL (SM) 10YR4/4, loose, moist, 50-60% fine to coarse-grained sand, 30% angular to rounded gravel up to 2.5" in diameter, 15-20% silt, glass debris, fill
6 8 12	0	9049H532		VERY DARK GRAY LEAN CLAY WITH GRAVEL (CL) 5Y3/1, soft to medium stiff, moist, 80% clay, 10% gravel, 10% sand, fill
7 11 20	1	9049H533	5	DARK GRAY SERPENTINITE BOULDER FILL dry
18 19 16	0	9049H534	10	
				Wet, very loose with wood debris at 14 ft.
9 10 18	0	9049H535	15	
16 12 6	0	9049H536	20	
				Color change to olive brown at 21.5 ft.
				DARK GREENISH GRAY CLAYEY SAND (SC) 5GY4/1, medium dense to loose, moist to wet, 60-90% fine to medium-grained sand, 10-40% clay
3 2 2	5	9049H537	25	DARK GREENISH GRAY FAT CLAY WITH SAND (CH) 5GY4/1, 80-90% clay, 10-20% fine to medium-grained sand, 5-10% shell fragments, Bay Mud deposits
				Bottom of boring at 26.5 feet. Boring backfilled with bentonite cement grout (12/03/90)

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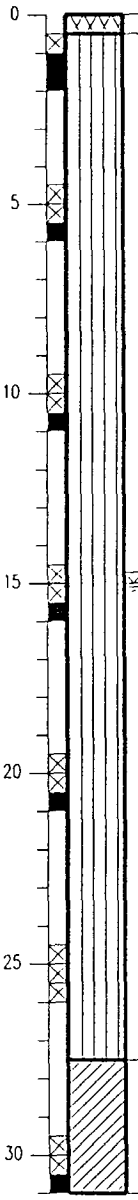
Log of Boring: IR04B024
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A8**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		4/91	

Log of Boring: IR04B027
Equipment: CME 750 (HSA), 8.0 in. diam.
Date: 11/29/1990
Elevation: GS 9.90 feet
Total Depth: 31.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)
9 22 11	0	9048N214	0
9 7 9	0	9048N215	5
3 3 7	0	9048N216	10
10 8 18	0	9048N217	15
5 8 12	0	9048N218	20
3 7 9	0		25
2 2 3	0	9048N219	30



CEMENT

VERY DARK GRAY SILT WITH GRAVEL (ML)
5Y3/1, very stiff, moist,
85% silt, 15% fine gravel, fill

Wet at 15 ft.

DARK OLIVE GRAY FAT CLAY (CH)
5Y3/2, soft, moist,
95% fat clay, 5% shell fragments, Bay Mud deposits

Bottom of boring at 31 feet. Boring backfilled with bentonite cement grout (11/29/90)

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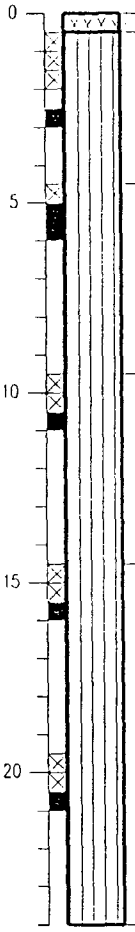
Log of Boring: IR04B027
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A9**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
CDT	18639,305.02		5/91	

Log of Boring: IR04B027A
Equipment: CME 750 (HSA), 8.0 in. diam.
Date: 11/28/1990
Elevation: GS ~9.90 feet
Total Depth: 24.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)
4			0
10			
10			
24	0	9048N209	
12			5
10			
9	0	9048N210	
4			10
6			
7	0	9048N211	
3			15
5			
8	0	9048N212	
4			20
8			
10	2	9048N213	



CEMENT

DARK YELLOWISH BROWN SILT WITH GRAVEL (ML)
10YR3/4, very stiff, dry.
70% silt, 20% fine gravel, 10% fine to medium-grained sand, fill

Color change to black (10YR2/1) at 4.5 ft.

Color change to olive at 9.5 ft.

Moist at 14.5 ft.

Drilling refusal at 24 feet. Boring backfilled with bentonite cement grout (11/29/90)

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Log of Boring: IR04B027A
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A10**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Log of Boring: IR04B029
Equipment: CME 750 (HSA), 8.0 in. diam.
Date: 11/27/1990
Elevation: GS 12.73 feet
Total Depth: 40.5 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
6 20 30		9048N193	0	DARK BROWN POORLY GRADED SAND (SP) 10YR3/3, very dense, dry, 80% fine-grained sand, 20% fine gravel, fill
23	0	9048N194		OLIVE SILT WITH GRAVEL (ML) 5Y4/3, very stiff, dry, 75% silt, 20% black fine angular serpentinite gravel, trace fine-grained sand, fill
29 30 35	8	9048N195	5	
10 9 17	0	9048N196	10	
				Wet at 12 ft.
4 6 16	0	9048N197	15	Mottled with dark yellowish brown clayey sand (10YR4/5) at 15 ft.
4 9 7		9048N198	20	
4 6 12	2		25	Color change to dark gray at 24.5 ft.
8 18 20	0	9048N200	30	Decreasing gravel to 10% at 29.5 ft.
2 2 4	0	9048N201	35	DARK GRAY FAT CLAY (CH) 5Y4/1, soft, moist, 95% clay, trace shell fragments, Bay Mud deposits
2 2			40	

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Engineering and Environmental Services

Log of Boring: IR04B029
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A11**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
CDT	18639,305.02		5/91	

Log of Boring: IR04B029 (p. 2)
Equipment: CME 750 (HSA), 8.0 in. diam.
Date: 11/27/1990
Elevation: GS 12.73 feet
Total Depth: 40.5 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Sample	
3	0		40		Bottom of boring at 40.5 feet. Boring backfilled with bentonite cement grout (11/27/90)

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Log of Boring: IR04B029
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE
A11

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
CDT	18639,305.02		5/91	

Log of Boring: IR04B033
Equipment: CME 750 (HSA), 8.0 in. diam.
Date: 11/15/1990
Elevation: GS 10.08 feet
Total Depth: 38.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
28, 50	0	9046H432	0	YELLOWISH BROWN SILTY SAND (SM) 10YR5/6, medium dense, dry, 60-70% fine to medium-grained sand, 20-30% silt, 0-10% fine gravel, fill
15, 13, 7	0	9046H433		VERY DARK GRAY GRAVELLY LEAN CLAY WITH SAND (CL) 10YR3/1, stiff, dry, 60% clay, 10-30% fine to medium gravel, 10-20% fine to medium-grained sand, fill
4, 10, 12	0	9046H434	5	DARK BROWN SANDY FAT CLAY (CH) 10YR3/3, soft, moist, 70% clay, 30% sand, trace red brick debris, fill
				VERY DARK GRAY GRAVELLY LEAN CLAY WITH SAND (CL) 50% clay, 20-40% fine to medium gravel, 10-20% fine to medium-grained sand, brick debris, fill
3, 5, 6	0	9046H435	10	GREENISH GRAY SERPENTINITE BOULDER FILL moist to wet
20, 25, 20	0	9046H436	15	
5, 10, 11	1	9046H440	20	
				LIGHT OLIVE BROWN CLAYEY SAND WITH GRAVEL (SC) 2.5Y5/6, dense, moist to wet, 50-60% fine to medium-grained sand, 20-30% angular to subrounded serpentinite gravel, 20% clay, fill
6, 9, 11	0	9046H441	25	
4, 10, 15	1	9046H442	30	
				DARK GREENISH GRAY FAT CLAY (CH) 5G4/1, medium stiff, moist, 90-95% clay, 5-10% silt, trace shell fragments, Bay Mud deposits
2, 4, 6, 3, 3, 2	5, 3	9046H443	35	

Bottom of boring at 38 ft
Boring backfilled with bentonite cement grout (11/16/90)

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Engineering and Environmental Services

Log of Boring: IR04B033
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE
A12

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639.305.02		4/91	

Log of Boring: IR04B042
Equipment: CME 750 (HSA), 8.0 in. diam.
Date: 11/16/1990
Elevation: GS 7.16 feet
Total Depth: 26.5 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
			0	ASPHALT
4 23 50	0	9046H444		DARK GRAYISH BROWN SILTY SAND WITH GRAVEL (SM) 2.5Y4/2, loose, dry, 60-70% fine to medium-grained sand, 20% silt, 10-20% well-graded subrounded to subangular gravel, fill
20 50	0	9046H445		
			5	DARK OLIVE GRAY SILTY GRAVEL (GM) 5Y3/2, medium dense, dry, 50-60% well-graded angular to subrounded serpentinite gravel, 40% silt, 0-10% fine-grained sand, fill
7 16 12	0	9046H446		
				DARK REDDISH BROWN GRAVELLY SILT WITH SAND (ML) 5YR3/4, medium stiff, dry, 70% silt, 20% well-graded gravel, 10% sand, fill
			10	YELLOWISH BROWN SILTY SAND WITH GRAVEL (SM) 10YR5/6, loose to medium dense, moist, 60-70% fine to coarse-grained sand, 20% silt, 10-20% gravel, fill
7 8 12	0	9046H447		
				DARK OLIVE GRAY SILTY GRAVEL WITH SAND (GM) medium dense, moist, 70% gravel, 15% sand, 15% silt, fill
			15	DARK GRAYISH BROWN CLAYEY SAND (SC) 2.5Y4/2, medium dense, dry, 60-70% fine to coarse-grained sand, 20-30% lean clay, 10% well-graded gravel, fill
9 37 32	1	9046H448		
				DARK GREENISH GRAY WELL-GRADED SAND WITH GRAVEL (SW) 5GY4/1, medium dense, moist, 70% fine to coarse-grained sand, 30% well graded mostly serpentinite gravel, 1-2% fine shell fragments, fill
			20	OLIVE WELL-GRADED GRAVEL WITH CLAY AND SAND (GW-GC) 5Y4/4, loose to medium dense, wet, 60-80% gravel, 20% sand, 0-30% clay, fill
1 2 2	2	9046H449		
				OLIVE CLAYEY GRAVEL WITH SAND (GC) 5Y4/4, medium dense, wet, 50-60% well-graded mostly serpentinite gravel, 20-30% fine to coarse-grained sand, 20% clay, fill
			25	DARK GREENISH GRAY FAT CLAY (CH) 90-95% clay, 5-10% silt, few shell fragments Bay Mud deposits
2 2 2	3	9046H450		

Bottom of boring at 26.5 feet. Boring backfilled with bentonite cement grout (11/16/90)

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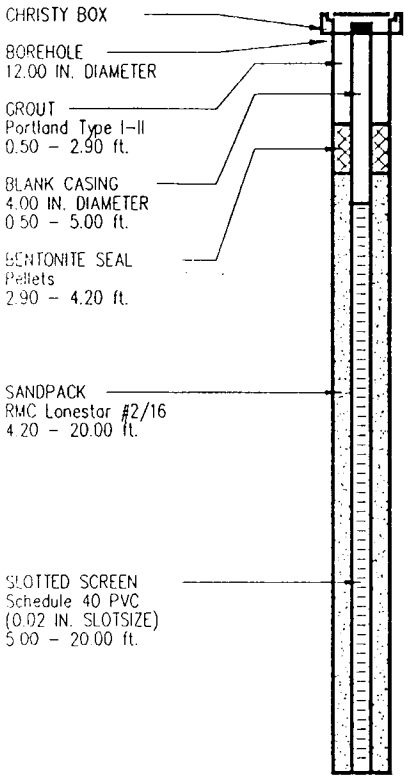
Log of Boring: IR04B042
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A13**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		4/91	

Log of Boring: IR04MW09A
Equipment: CME 750 (HSA), 12.0 in. diam.
Date: 11/14/1990
Elevation: GS 9.87 feet
Total Depth: 26.5 ft.



Blows / 6"	OVA (ppm)	Sample Number
23, 30, 44, 20	0	9046H414
25, 20		9046H415
1, 9, 11	0	9046H417
10, 11, 14	0	9046H418
3, 8, 12		9046H419
2, 3, 3		9046H420
2, 2, 2		9046H421

Depth (ft): 0, 5, 10, 15, 20, 25

Sample

ASPHALT AND ASPHALT BASE ROCK

DARK GRAYISH BROWN SILTY GRAVEL WITH SAND (GM)
very loose, dry,
40-60% well-graded gravel, 20-40% silt, 20% fine to medium-grained sand, fill

VERY DARK GRAYISH BROWN SANDY SILT WITH GRAVEL (ML)
10YR3/2, medium stiff, dry,
50-60% silt, 20-40% fine to medium-grained sand, 10-20% well-graded gravel, fill

DARK GRAY SERPENTINITE BOULDER FILL

deeply weathered

BLACK SILT WITH GRAVEL (ML)
5Y2.5/2, medium stiff, dry,
70-80% silt, 10-20% gravel, 10-20% sand, fill

Decreasing gravel at 5.0 ft

DARK GREENISH GRAY SERPENTINITE BOULDER FILL
moist,
moderately to intensely fractured

Deeply weathered at 15.0 ft

DARK GREEENISH GRAY FAT CLAY WITH SAND (CH)
5G4/1, medium stiff, moist to wet,
70-85% clay, 15-20% fine to medium-grained sand, 5-10% silt, 5-10% shell fragments, Bay Mud deposits

Decreasing silt and sand at 25 ft.

Bottom of boring at 26.5 feet. Boring backfilled with bentonite chips from 19 to 26.5 ft.

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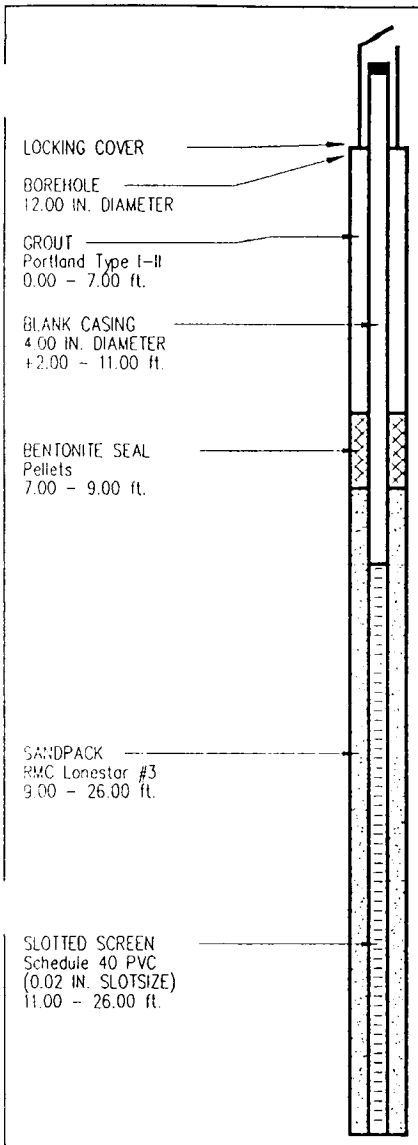
Boring Log and Well Completion Detail: IR04MW09A
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A14**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		4/91	

Log of Boring: IR04MW31A
Equipment: CME 55 (HSA), 12.0 in. diam.
Date: 11/15/1990
Elevation: GS 10.84 feet
Total Depth: 37.5 ft.



Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
50	0	9046G487	0	ASPHALT
18, 20, 20	0	9046G488		BROWN SILTY GRAVEL WITH SAND (GM) 7.5YR4/4, dense, dry, 60-65% fine to coarse gravel, 20-25% silt, 15-20% sand, fill
9, 7, 6	0	9046G489	5	DARK GRAY SILTY GRAVEL (GM) 7.5YR4/0, medium dense, moist, 40-50% clay, 30-35% fine to coarse gravel, 5-10% sand, trace clay, fill
				DARK GRAYISH BROWN SILTY SAND WITH GRAVEL (SM) 2.5Y4/2, medium dense, moist, 50-60% fine to coarse-grained sand, 20-25% fine gravel, 15-20% silt, trace clay, fill
6, 5, 4	0	9046G490	10	DARK GRAY GRAVELLY FAT CLAY (CH) 2.5Y4/0, soft, moist, 55-60% clay, 20-30% fine to coarse gravel, 5-10% sand, trace silt, fill
				Color change to dark grayish brown (2.5Y3/2) at 12 ft
5, 7, 4	0	9046G491	15	DARK GREENISH GRAY CLAYEY GRAVEL WITH SAND (GC) 5GY4/1, loose, wet, 45-55% fine to coarse mostly serpentinite gravel, 20-30% clay, 15% sand, 10% silt, fill
				DARK GREENISH GRAY WELL-GRADED GRAVEL WITH SILT (GW-GM), 5GY4/1, loose to medium dense, wet, 75-80% fine to coarse serpentinite gravel, 10% silt, 5-10% sand, fill
6, 8, 9	0	9046G492	20	
				DARK GREENISH GRAY WELL-GRADED GRAVEL WITH SILT AND SAND (GW-GM), 5GY4/1, loose to medium dense, wet, 55-65% fine to coarse serpentinite gravel, 20-25% fine to coarse serpentinite sand, 10% silt, fill
6, 8, 9	0	9046G493	25	
11, 36, 33	0	9046G494	30	Decreasing serpentinite to 10-15% at 29.5 ft.
				DARK GREENISH GRAY FAT CLAY (CH) 5GY4/1, soft, moist, 80-90% clay, 5-10% silt, trace shell fragments, Bay Mud deposits
3, 2, 3, 2, 3, 3	1	9046G495	35	
				Bottom of boring at 37.5 feet. Boring backfilled with bentonite pellets from 26 to 37.5 ft.

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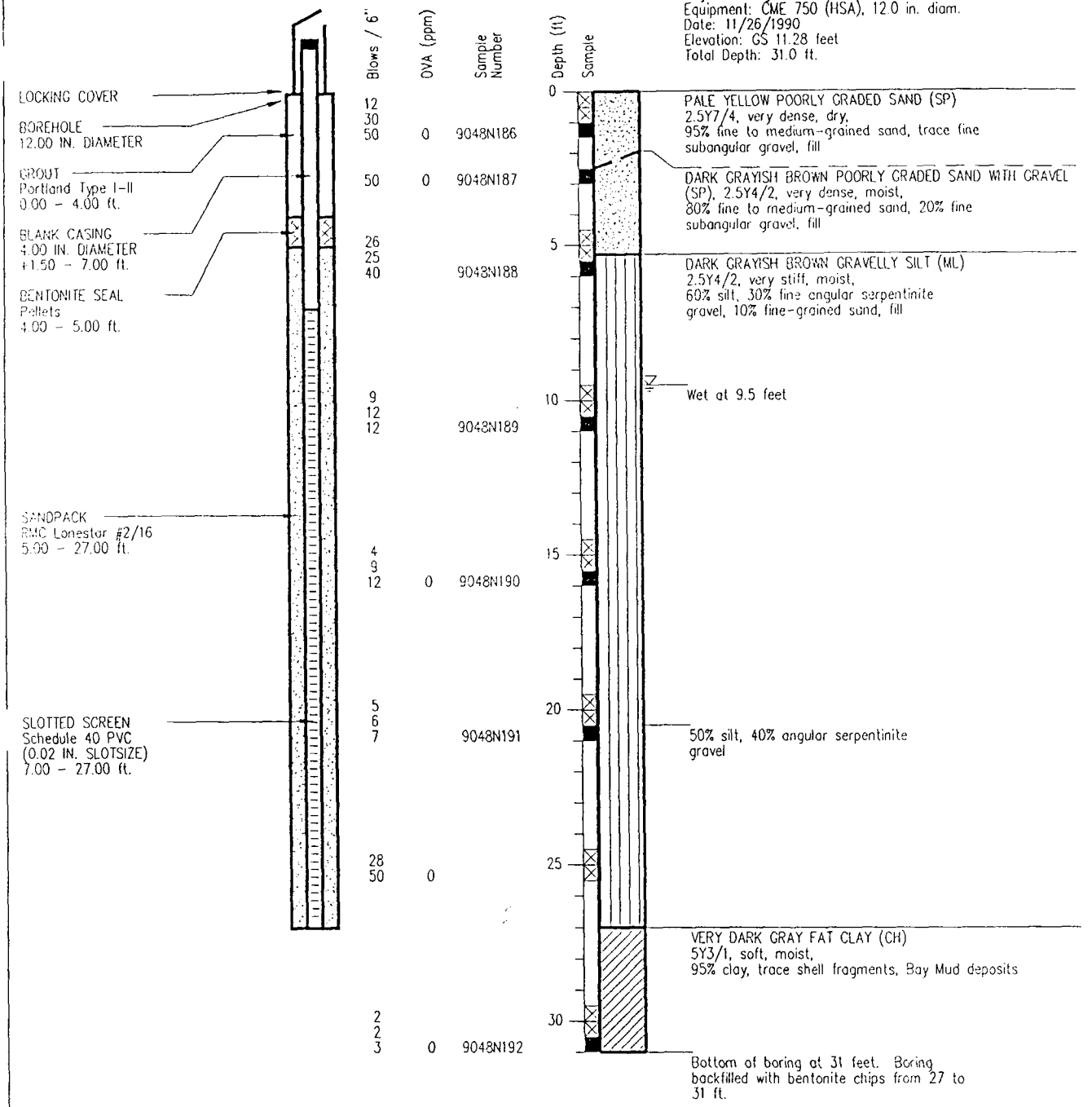
Boring Log and Well Completion Detail: IR04MW31A
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE A15

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		4/91	

Log of Boring: IR04MW35A
Equipment: CME 750 (HSA), 12.0 in. diam.
Date: 11/26/1990
Elevation: GS 11.28 feet
Total Depth: 31.0 ft.



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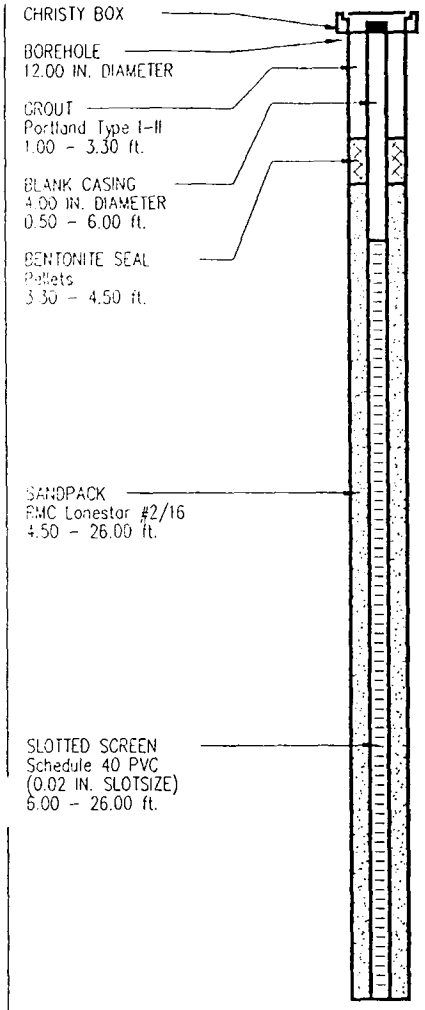
Boring Log and Well Completion Detail: IR04MW35A
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

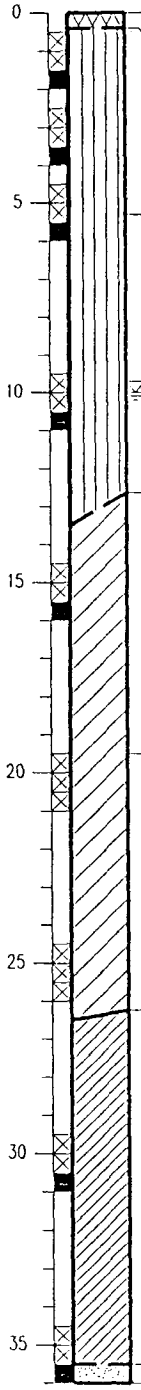
PLATE **A16**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
CDT	18639,305.02		5/91	

Log of Boring: IR04MW36A
Equipment: CME 750 (HSA), 12.0 in. diam.
Date: 11/19/1990
Elevation: GS 10.28 feet
Total Depth: 36.0 ft.



Blows / 6"	OVA (ppm)	Sample Number
2, 10, 16	5	9047N154
5, 10, 11	0	9047N155
11, 15, 15	0	9047N156
2, 5, 6	0	9047N157
5, 4, 5	0	9047N158
5, 12, 7		
1, 1, 2		
1, 1, 2	0	9047N159
2, 4, 5	0	9047N160



ASPHALT

VERY DARK GRAY GRAVELLY SILT WITH SAND (ML)
5Y3/1, very stiff, moist,
60% silt, 25% fine gravel, 15% medium-grained sand, fill

30% fine to medium-grained sand, 10% fine serpentinite gravel

Wet at 10 ft.

DARK OLIVE GRAY GRAVELLY LEAN CLAY WITH SAND (CL)
5Y3/2, stiff, wet,
50% clay, 30% fine to coarse angular serpentinite gravel, 20% fine to medium-grained sand, fill

Product on sampler at 19.5 ft.

DARK GREENISH GRAY FAT CLAY (CH)
5GY4/1, soft, wet,
95% fat clay, trace very fine-grained sand,
Bay Mud deposits

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DARK BLUISH GRAY POORLY GRADED SAND (SP)
5B4/1, very loose, wet,
95% fine to medium-grained sand, trace shell fragments

Bottom of boring at 36 feet. Boring backfilled with bentonite chips from 26 to 36 ft.

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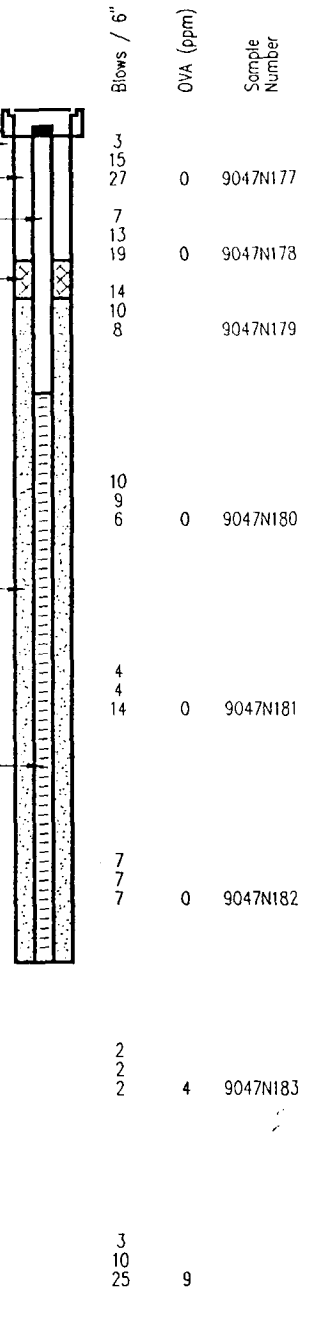
Boring Log and Well Completion Detail: IR04MW36A
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE
A17

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
CDT	18639,305.02		5/91	

Log of Boring: IR04MW37A
Equipment: CME 750 (HSA), 12.0 in. diam.
Date: 11/20/1990
Elevation: GS 10.22 feet
Total Depth: 32.0 ft.



Blows / 6"	OVA (ppm)	Sample Number
3, 15, 27	0	9047N177
7, 13, 19	0	9047N178
14, 10, 8		9047N179
10, 9, 6	0	9047N180
4, 4, 14	0	9047N181
7, 7, 7	0	9047N182
2, 2, 2	4	9047N183
3, 10, 25	9	

Depth (ft): 0, 5, 10, 15, 20, 25, 30

Sample

ASPHALT

OLIVE GRAVELLY SILT (ML)
5Y4/3, very stiff, moist,
60% silt, 25% angular gravel, 15% fine to medium-grained sand (serpentinite fill)

Color change to dark greenish gray (5GY4/1) at 2.5 ft.

Wet at 14 ft.

DARK GRAY FAT CLAY (CH)
2.5Y4/0, soft, wet,
90% clay, 5% very fine-grained sand, trace shell fragments, Bay Mud deposits

BLACK POORLY GRADED SAND (SP)
2.5Y2/0, stiff, wet,
90% fine-grained sand, trace shell fragments

Bottom of boring at 32 feet. Boring backfilled with bentonite chips from 22.5 to 25 feet. Borehole collapsed from 25 to 32 feet.

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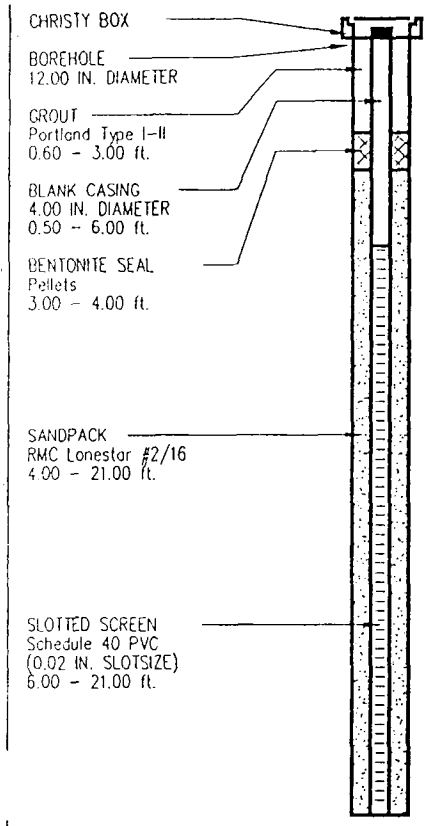
Boring Log and Well Completion Detail: IR04MW37A
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A18**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
CDT	18639,305.02		5/91	

Log of Boring: IR04MW38A
Equipment: CME 750 (HSA), 12.0 in. diam
Date: 11/29/1990
Elevation: GS 10.41 feet
Total Depth: 26.0 ft.



Blows / 6"	OVA (ppm)	Sample Number
10 24 22	0	9048N224
20 32 33	0	9048N225
8 11 13	0	9048N226
3 7 8	0	9048N227
3 6 11	0	9048N228
4 2 6	0	9048N229
1 2 2	0	9048N230

Depth (ft) Sample

ASPHALT

DARK OLIVE GRAY SILT WITH GRAVEL (ML)
5Y3/2, very stiff, moist,
75% silt, 20% fine to coarse gravel,
5% fine-grained sand, fill

Color change to olive (5Y3/2)

Wet at 13.0 ft.

Color change to yellowish red (5YR5/8) at 15.5 ft.

VERY DARK GRAY FAT CLAY (CH)
10YR3/1, soft, moist,
95% clay, 5% shell fragments, Bay Mud deposits

Increasing sand with depth

Bottom of boring at 26 feet. Boring backfilled with bentonite chips from 21 to 26 ft.

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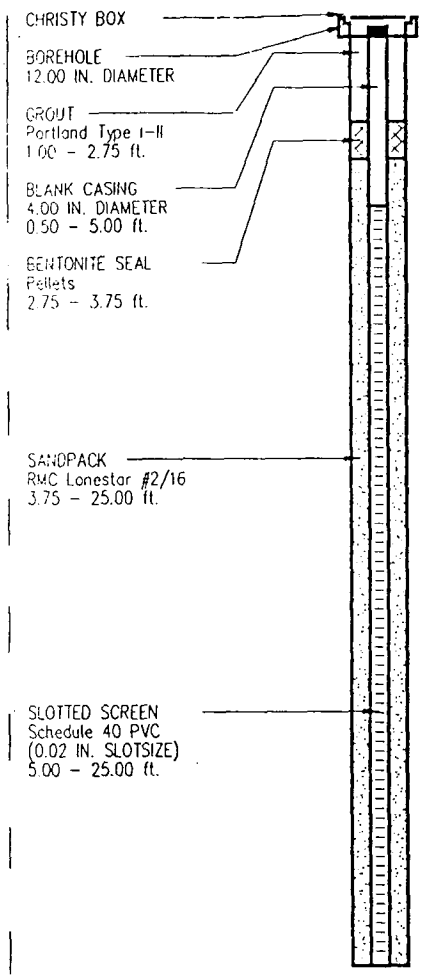
Boring Log and Well Completion Detail: IR04MW38A
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

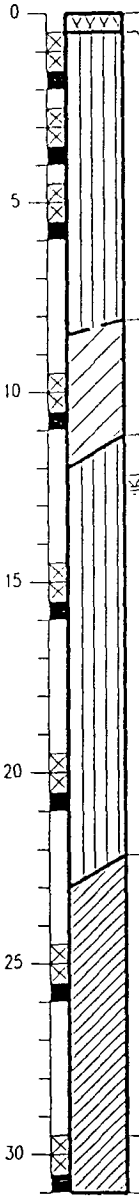
PLATE **A19**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Log of Boring: IR04MW39A
Equipment: CME 750 (HSA), 12.0 in. diam
Date: 11/19/1990
Elevation: GS 8.82 feet
Total Depth: 31.0 ft.



Blows / 6"	OVA (ppm)	Sample Number
3, 13, 25	0	9047N161
9, 19, 23		9047N162
10, 9, 15		9047N163
8, 8, 7		9047N164
5, 6, 9		9047N165
5, 5, 6	0	9047N166
2, 2, 2	4	9047N167
2, 3, 5	5	9047N168



ASPHALT

VERY DARK GRAY GRAVELLY SILT WITH SAND (ML)
5Y3/1, moist,
60% silt, 25% fine serpentinite gravel,
15% fine to medium-grained sand, fill

VERY DARK GRAYISH BROWN GRAVELLY LEAN CLAY WITH SAND (CL), 2.5Y3/2, stiff, moist,
50% clay, 30% fine to coarse angular
serpentinite gravel, 20% well-graded sand, fill

GREENISH GRAY GRAVELLY SILT (ML)
5G6/1, medium stiff, moist,
60% silt, 30% weathered fine serpentinite
gravel, 10% fine-grained sand, fill

VERY DARK GRAY FAT CLAY (CH)
7.5YR3/0, soft, moist,
90% clay, trace very fine-grained sand,
trace shell fragments, Bay Mud deposits

15% fine-grained sand at 29.5 ft.

Bottom of boring at 31 feet. Boring backfilled with bentonite chips from 25 to 31 ft.

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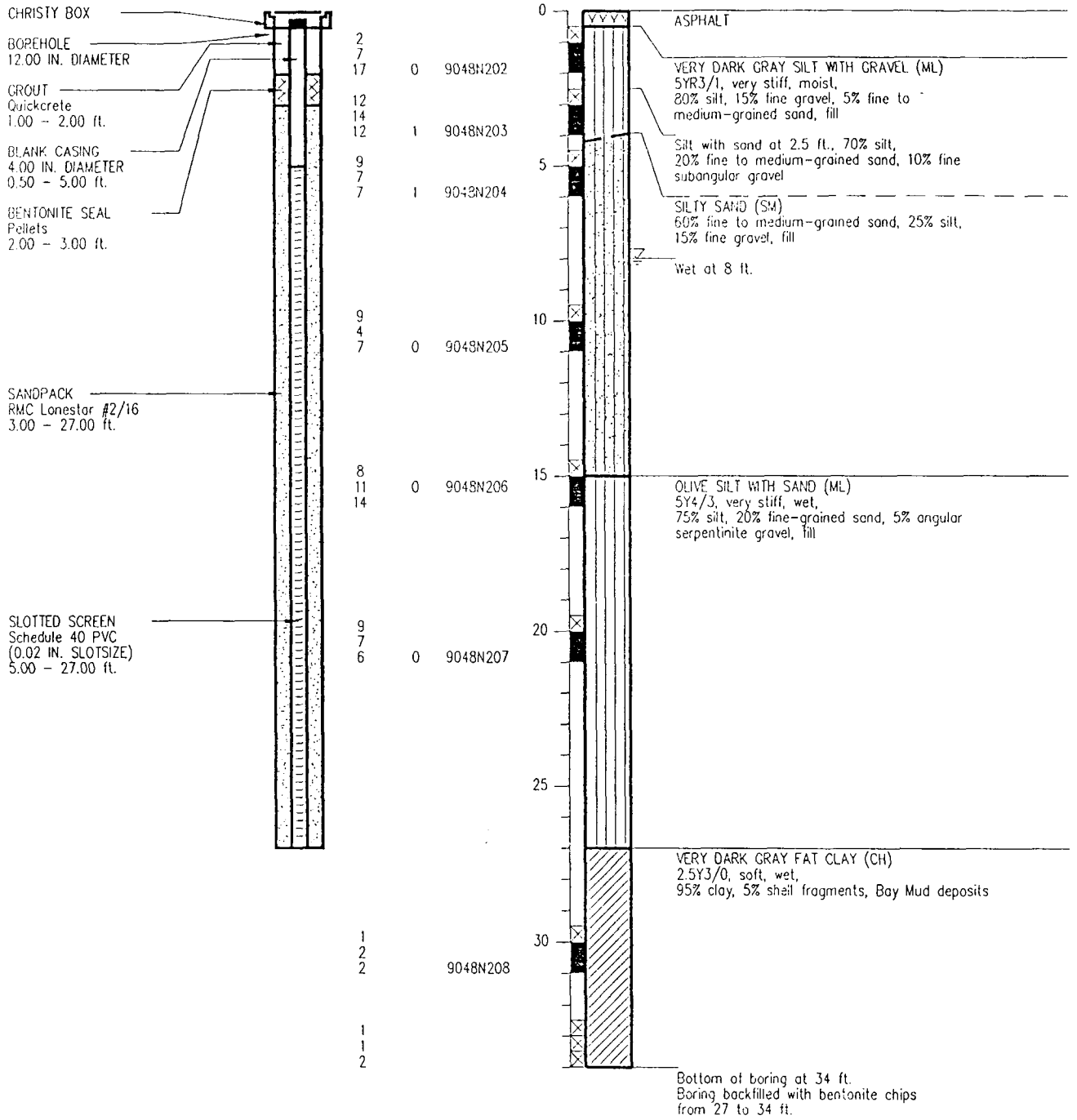
Boring Log and Well Completion Detail: IR04MW39A
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE
A20

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Log of Boring: IR04MW40A
Equipment: CME 750 (HSA), 12.0 in. diam.
Date: 11/28/1990
Elevation: GS 7.89 feet
Total Depth: 34.0 ft.



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Boring Log and Well Completion Detail: IR04MW40A
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE
A21

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

LOGS OF BORINGS AND WELL COMPLETION DETAILS
SITE IR-5

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Log of Boring: IR05B046
Equipment: CME 55 (HSA), 8.0 in. diam
Date: 11/29/1990
Elevation: GS 5.81 feet
Total Depth: 21.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
9 22 50	0	9048H507	0	ASPHALT
20 22 18	0	9048H508		VERY DARK GRAYISH BROWN SILTY SAND WITH GRAVEL (SM) 2.5Y3/2, dense, dry, 40-60% fine to coarse-grained sand, 30-40% silt, 20-30% well-graded subangular gravel, fill
6 18 18	0	9048H509	5	VERY DARK GRAYISH BROWN CLAYEY GRAVEL WITH SAND (GC) 10YR3/2, medium dense, dry, 50-60% well-graded angular to subangular gravel, 20-30% fine to coarse-grained sand, 20% clay, fill
				GRAYISH GREEN SERPENTINITE BOULDER FILL moist, crushed to occasionally fractured
5 4 11	0	9048H510	10	Wet at 8.5 ft.
				DARK GREENISH GRAY FAT CLAY (CH) 5GY4/1, medium stiff, moist, 95-100% clay, 0-5% silt, some shell fragments, Bay Mud deposits
1 2 2			15	
2 2 2	15	9048H511		
2 2 2	13	9048H512	20	

Bottom of boring at 21 feet. Boring backfilled with bentonite cement grout (11/29/90)

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Log of Boring: IR05B046
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A22**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Log of Boring: 1R05B047
Equipment: CME 55 (HSA), 8.0" diam.
Date: 11/30/1990
Elevation: GS 5.95 feet
Total Depth: 21.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
17, 38, 20	0	9048H522	0	BROWN SANDY SILT WITH GRAVEL (ML) 10YR4/3, medium stiff, dry, 60-70% silt, 20-30% fine to medium-grained sand, 10-20% subrounded to subangular gravel, fill
15, 16, 20	0	9048H523		PALE YELLOW WELL-GRADED SAND (SW) very loose, dry, fine to coarse-grained sand, fill
16, 10, 15	0	9048H524	5	VERY DARK GRAYISH BROWN SILTY GRAVEL WITH SAND (GM) 10YR3/2, medium dense, dry, 60-70% well-graded gravel, 20% silt, 10-20% fine to medium-grained sand, fill
				GREENISH GRAY SERPENTINITE BOULDER FILL dry
				Wet at 8 ft.
5, 4, 3	0	9048H525	10	
				DARK GREENISH GRAY CLAYEY SAND (SC) 5GY4/1, loose, wet, 70% very fine-grained sand, 30% clay
2, 1, 1	15	9048H526	15	DARK GREENISH GRAY FAT CLAY (CH) 5GY4/1, medium stiff, moist, 90-95% clay, 5-10% silt, 5% shell fragments, Bay Mud deposits
2, 2, 2	20	9048H527	20	
				Bottom of boring at 21 feet. Boring backfilled with bentonite cement grout (11/30/90)

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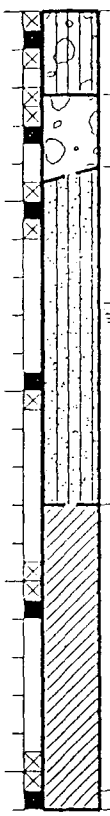
Log of Boring: 1R05B047
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A23**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18659,305.02		2/91	

Log of Boring: IR05B051
Equipment: CME 55 (HSA), 8.0 in. diam
Date: 12/03/1990
Elevation: GS 5.95 feet
Total Depth: 21.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
45, 38, 15	1	9049G539	0	DARK YELLOWISH BROWN SILTY GRAVEL WITH SAND (GM) 10YR4/4, dense, moist, 65-70% fine to coarse gravel, 15-20% sand, 15% silt, fill
20, 26, 22	0	9049G540		GREENISH GRAY SERPENTINITE BOULDER FILL 5G5/1, dense, moist, 90-95% serpentinite cobbles and boulders, 5-10% weathered serpentinite matrix
9, 11, 12	1	9049G541	5	GREENISH GRAY SILTY SAND WITH GRAVEL (SM) 5G5/1, medium dense, moist, 50-55% fine to coarse-grained serpentinite sand, 15-20% fine to coarse serpentinite gravel, 15-20% silt, trace clay, fill Wet at 8 ft.
4, 7		9049G542	10	
1, 2, 2	7	9049G545	15	DARK GREENISH GRAY FAT CLAY (CH) 5G4/1, soft, moist, 70-80% clay, 10-15% silt, trace shell fragments, Bay Mud deposits
1, 1, 1	10	9049G546	20	Wet from 20.5 to 21 ft. Bottom of boring at 21 ft. Boring backfilled with bentonite cement grout (12/3/90)



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Log of Boring: IR05B051
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE
A24

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
CDT	18639,305.02		4/91	

Log of Boring: IR05B054
Equipment: CME 55 (HSA), 8.0 in. diam
Date: 11/19/1990
Elevation: GS 6.39 feet
Total Depth: 21.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
50	0	90470504	0	OLIVE GRAY SILTY GRAVEL WITH SAND (GM) 5Y5/2, medium dense, dry, 60-65% fine to coarse angular gravel, 20-25% fine to coarse-grained sand, 15% silt, fill
11 38 40	1	90470505		OLIVE GRAY FAT CLAY (CH) 5Y5/2, soft to medium stiff, moist, 70-80% clay, 10% silt, 10% sand, 5-10% fine gravel, fill
7 8 9	1	90470506	5	OLIVE WEATHERED SERPENTINITE FILL 5Y4/3, medium dense, moist
6 5 5	1	90470507	10	Increasing gravel to 20-25% at 9.5 ft. Wet at 10 ft. DARK GREENISH GRAY SILTY GRAVEL WITH SAND (GM) 5GY4/1, loose, wet, 60-70% fine angular gravel, 15-20% silt, 15% sand, fill
2 1 2	1	90470508	15	Trace shell fragments at 12.3 ft. DARK GREENISH GRAY FAT CLAY (CH) 5GY4/1, soft, moist, 70-75% clay, 15-25% silt, trace shell fragments, Bay Mud deposits
1 2 2	2	90470509	20	Increasing shell fragments to 5-7% at 21 ft. Bottom of boring at 21 ft. Boring backfilled with bentonite cement grout (11/19/90)

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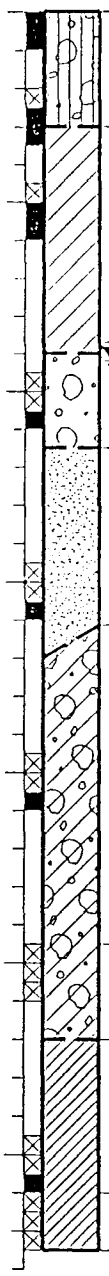
Log of Boring: IR05B054
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A25**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		4/91	

Log of Boring: IR05B057
Equipment: CME 55 (HSA), 8.0 in. diam.
Date: 11/28/1990
Elevation: GS 7.46 feet
Total Depth: 32.5 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
30 55	0	9048H482	0	DARK BROWN SILTY GRAVEL WITH SAND (GM) 10YR3/3, loose, dry, 60-70% well-graded subangular to subrounded gravel, 15-30% silt, 10-15% well-graded sand, metal debris, fill
22 28 16	0	9048H483		DARK BROWN SANDY LEAN CLAY (CL) 10YR3/3, soft to medium stiff, moist, 50-60% clay, 30-45% fine to medium-grained sand, 5-10% serpentinite gravel, fill
16 22 9	0	9048H484	5	
				GREENISH GRAY SERPENTINITE BOULDER FILL wet
6 8 10	0	9048H485	10	
				BLACK POORLY GRADED SAND WITH GRAVEL (SP) 7.5YR2/0, loose, wet, 90-95% very coarse-grained sand, 5-10% gravel, fill
9 10 9	1	9048H486	15	
				OLIVE CLAYEY GRAVEL WITH SAND (GC) 5Y4/4, loose to medium dense, wet, 80% subrounded to subangular gravel, 15% sand, fill
18 16 12	0	9048H489	20	
12 16 21	6		25	Color change to very dark gray (5Y3/1)
				DARK GREENISH GRAY FAT CLAY (CH) 5GY4/1, medium stiff, moist, 95-100% clay, trace silt, little shell fragments, Bay Mud deposits
3 4 5 2 1 1		9048H490	30	Increasing shell fragments to some at 31 ft.
				Bottom of boring at 32.5 feet. Boring backfilled with bentonite cement grout (11/28/90)



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Log of Boring: IR05B057
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A26**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Log of Boring: IR05B062
Equipment: CME 55 (HSA), 8.0 in. diam.
Date: 11/27/1990
Elevation: GS 7.36 feet
Total Depth: 31.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
27 50	0	9048H474	0	YELLOWISH BROWN SILT (ML) 10YR5/6, very loose, dry, 90% silt, 10% fine to coarse-grained sand, trace plant debris, fill
36 50	0	9048H475		BROWN SILTY GRAVEL WITH SAND (GM) 10YR4/3, loose, dry, 60% well-graded angular gravel, 25% silt, 15% fine to coarse-grained sand, fill
24 26 19	0	9048H476	5	BROWN GRAVELLY SILT WITH SAND (ML) 10YR4/3, medium stiff, dry, 60-70% silt, 20-30% well-graded subrounded to subangular gravel, 10% fine to coarse- grained sand, fill
				SERPENTINITE BOULDER FILL dry
3 3 3	4	9048H477	10	VERY DARK GRAY GRAVELLY LEAN CLAY (CL) 10YR3/1, medium stiff, moist, 70-80% clay, 20-25% well-graded subrounded gravel, 0-5% sand, fill
				Weathered asphalt, wood and other debris from 5.6 to 8 ft.
				DARK GREENISH GRAY FAT CLAY (CH) 5GY4/1, medium stiff, moist, 90-95% clay, 5-10% silt, fill?
1 1 2	0	9048H478	15	Wet at 16 ft.
				VERY DARK GRAY GRAVELLY LEAN CLAY (CL) 5Y3/1, medium stiff, moist to wet, 70-80% clay, 20-30% subrounded gravel, 5% sand, fill
2 3 14	0	9048H479	20	
				DARK GREENISH GRAY FAT CLAY (CH) 5G4/1, medium stiff, moist, 90-95% clay, 5-10% silt, trace shell fragments, Bay Mud deposits
2 1 2	15	9048H480	25	
1 1 1	10	9048H481	30	

Bottom of boring at 31 ft.
Boring backfilled with bentonite cement grout (11/27/90)

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Log of Boring: IR05B062
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A27**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Log of Boring IR05B063
Equipment: CME 55 (HSA), 8.0 in. diam
Date: 11/16/1990
Elevation: GS 6.15 feet
Total Depth: 21.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
34 50	2	9046G496	0	BROWN SILTY GRAVEL WITH SAND (GM) 10YR5/3, dense, dry. 50-55% fine to coarse gravel, 20-25% silt, 15-20% sand, some wood debris. fill
25 18 20	1	9046G497		OLIVE SILTY SAND WITH GRAVEL (SM) 5Y4/4, medium dense, moist, 50-55% serpentinite sand, 15-20% silt, 15-20% fine to coarse angular serpentinite gravel, fill
8 5 6	0	9046G498	5	
				DARK GREENISH GRAY SILTY GRAVEL WITH SAND (GM) 5GY4/1, loose, wet, 60-65% fine angular gravel, 20-25% sand, 15% silt, fill
3 2 2		9046G499	10	Increasing silt at 11 ft.
				DARK GREENISH GRAY FAT CLAY (CH) 5GY4/1, soft, moist, 80-85% clay, 5-10% silt, trace shell fragments, Bay Mud deposits
1 1 2	4	9046G501	15	
2 2 3	6	9046G502	20	

Bottom of boring at 21 ft.
Boring backfilled with bentonite cement grout (11/16/90)

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Log of Boring: IR05B063
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A28**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639.305.02		4/91	

Log of Boring: IR05B063A
Equipment: CME 55 (HSA), 8.0 in. diam.
Date: 11/16/1990
Elevation: GS ~6.15 feet
Total Depth: 10.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Sample	
			0		BROWN SILTY GRAVEL WITH SAND (GM) 10YR5/3, dense, dry, 50-55% fine to coarse gravel, 20-25% silt, 15-20% sand, some wood debris, fill
			5		OLIVE SILTY SAND WITH GRAVEL (SM) 5Y4/4, medium dense, moist, 50-55% serpentinite sand, 15-20% silt, 15-20% fine to coarse angular serpentinite gravel, fill
			10		DARK GREENISH GRAY SILTY GRAVEL WITH SAND (GM) 5GY4/1, loose, wet, 60-65% fine angular gravel, 20-25% sand, 15% silt, fill

Bottom of boring at 10 feet. Boring backfilled with bentonite cement grout (11/16/90). Boring B063A drilled next to B063 to collect a grab water sample (90460500). No soil samples were collected.

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Log of Boring: IR05B063A
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE
A29

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Log of Boring: IR05B066
Equipment: CME 55 (HSA), 8.0 in. diam.
Date: 11/27/1990
Elevation: GS 8.24 feet
Total Depth: 42.5 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
31, 34, 36	0	9048H463	0	OLIVE WELL-GRADED GRAVEL WITH SAND (GW) 5Y5/3, loose, dry, 60-70% subangular gravel, 25-40% fine to coarse-grained sand, 0-5% silt, fill
8, 10, 12	0	9048H464		DARK GRAYISH BROWN SILTY GRAVEL (GM) 10YR4/2, medium dense, dry, 60-90% well-graded subangular gravel, 10-40% silt, fill
8, 11, 12	0	9048H465	5	VERY DARK GRAY LEAN CLAY WITH SAND (CL) 10YR3/1, medium stiff, dry to moist, 80-90% clay, 10-15% fine-grained sand, 0-5% poorly graded fine angular gravel, fill
8, 10, 14		9048H466	10	Color change to dark grayish brown at 9.5 ft.
4, 7, 12	1	9048H467	15	Serpentinite gravel fill at 14.5 ft.
				LIGHT OLIVE BROWN WELL-GRADED GRAVEL WITH SILT AND SAND (GW-GM), 2.5Y5/5, medium dense, wet, 50-70% angular gravel to 2" in diameter, 10-30% medium-grained sand, 10-20% silt, fill
10, 14, 11	0	9048H468	20	
				LIGHT OLIVE BROWN SANDY LEAN CLAY WITH GRAVEL (CL) 2.5Y5/6, medium dense, wet, 50-80% clay, 10-45% fine to medium-grained sand, 5-10% gravel, fill
6, 11, 14	1		25	VERY DARK GRAY SILTY GRAVEL WITH SAND (GM) 5Y3/1, medium dense, moist, 60-70% coarse angular gravel, 20% silt, 10-20% medium-grained sand, fill
				OLIVE SILTY SAND WITH GRAVEL (SM) 5Y4/4, loose to medium dense, wet, 60-70% fine to coarse-grained sand, 25-35% silt, 5-10% angular gravel, fill
10, 10, 10		9048H472	30	SERPENTINITE BOULDER FILL
				OLIVE WELL-GRADED SAND (SW) 5Y4/3, very loose, wet, 95% well-graded sand, fill
16, 22, 20			35	OLIVE WELL-GRADED GRAVEL (GW) 5Y4/3, very loose, wet, 95% angular gravel, 15% silt, fill
4			40	DARK GREENISH GRAY FAT CLAY (CH) medium stiff, moist, 90-95% clay, 5-10% silt, trace shell fragments, Bay Mud deposits

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Log of Boring: IR05B066
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE
A30

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Log of Boring: IR05B066 (p. 2)
Equipment: CME 55 (HSA), 8.0 in. diam
Date: 11/27/1990
Elevation: GS 8.24 feet
Total Depth: 42.5 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Sample
3			40	
4	5	9048H473		
2				
2				
2				

Bottom of boring at 42.5 ft.
Boring backfilled with bentonite cement grout (11/27/90)

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Log of Boring: IR05B066
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE
A30

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Log of Boring: IR05B067
Equipment: CME 55 (HSA), 8.0 in. diam.
Date: 11/29/1990
Elevation: GS 7.18 feet
Total Depth: 16.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
60	0		0	DARK BROWN SILTY GRAVEL WITH SAND (GM) 10YR3/3, medium dense, dry, 60-70% well-graded angular gravel, 10-20% fine to coarse-grained sand, 20-30% silt, fill
26 60	0	9048H513		Color change to dark grayish brown at 2 ft.
34 15 12		9048H514	5	GRAYISH BROWN POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM), very loose, dry, 60% very fine to fine-grained sand, 30% well-graded subrounded to subangular gravel, 10% silt, fill
2 2 1	65	9048H515	10	DARK GREENISH GRAY FAT CLAY (CH) 5GY4/1, soft, moist to wet, 95-100% clay, 0-5% silt, 5-15% shell fragments, Bay Mud deposits
1 2 1	55	9048H516	15	Bottom of boring at 16 feet. Boring backfilled with bentonite cement grout (11/30/90)

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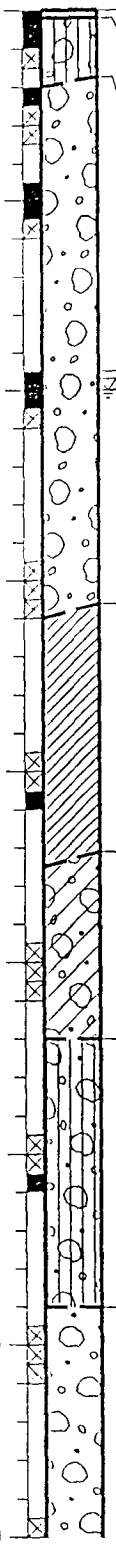
Log of Boring: IR05B067
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE
A31

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
CDT	18639,305.02		4/91	

Log of Boring: IR05B070
Equipment: CME 55 (HSA), 8.0 in diam.
Date: 11/20/1990
Elevation: GS 9.13 feet
Total Depth: 56.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)
45 26 21	0	9047G515	0
10 9 8	0	9047G516	
9 10 11	0	9047G517	5
7 8 5	0	9047G518	10
3 2 2			15
4 5 6	0	9047G522	20
6 8 11	0		25
8 8 11	0	9047G523	30
11 11 14	0		35
10			40



ASPHALT

LIGHT OLIVE BROWN SILTY GRAVEL WITH SAND (GM)
2.5Y5/4, dense, dry,
50-60% fine to coarse angular gravel, 20-25% sand, 15-20% silt, fill

GREENISH GRAY SERPENTINITE BOULDER FILL
medium dense, moist

Color change to dark olive gray (5Y3/2) at 9.5 ft., wet at 10 ft.

OLIVE GRAY GRAVELLY FAT CLAY (CH)
5Y4/2, soft, moist,
55-65% clay, 25-35% serpentinite gravel, 5-10% silt, fill

OLIVE GRAY CLAYEY GRAVEL (GC)
5Y4/2, loose to medium dense, moist,
55-65% fine to coarse serpentinite gravel, 30% clay, 5-10% silt, fill

GREENISH GRAY SILTY GRAVEL WITH SAND (GM)
5GY5/1, loose to medium dense, wet,
55-65% fine subangular to subrounded gravel, 15-20% silt, 15% sand, fill

GREENISH GRAY SERPENTINITE BOULDER FILL
5G4/2, medium dense, moist to wet,
wet along fractures

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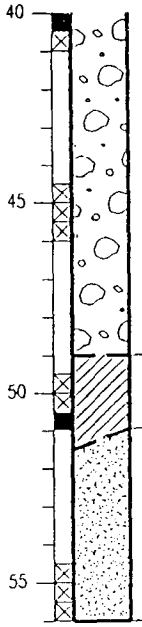
Log of Boring: IR05B070
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE
A32

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Log of Boring: IR05B070 (p. 2)
Equipment: CME 55 (HSA), 8.0 in. diam.
Date: 11/20/1990
Elevation: GS 9.13 feet
Total Depth: 56.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Sample
14 20	0	9047G524	40	
11 19 20			45	
7 7 8	30	9047G525	50	
11 19 30	0		55	



DARK GREENISH GRAY FAT CLAY (CH)
5GY4/1, medium stiff, moist,
70-80% clay, 15-25% silt, trace shell fragments, Bay Mud deposits

DARK GREENISH GRAY POORLY GRADED SAND (SP)
5GY4/1, loose to medium dense, wet,
90-95% medium-grained sand, trace shell fragments

Trace clay at 56 ft.
Bottom of boring at 56 ft.
Boring backfilled with bentonite cement grout (11/20/90)

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Log of Boring: IR05B070
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE
A32

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Log of Boring: IR05B075
Equipment: CME 55 (HSA), 8.0 in. diam.
Date: 11/30/1990
Elevation: GS 6.12 feet
Total Depth: 16.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
14 44 41	0	9048H517	0	VERY DARK GRAYISH BROWN SANDY SILT WITH GRAVEL (ML) 10YR3/2, medium dense, dry, 50% silt, 30% fine to medium-grained sand, 20% well-graded serpentinite gravel, fill
17 11 14	0	9048H518		VERY DARK GRAYISH BROWN SILTY GRAVEL WITH SAND (GM) dense, dry, 50% subangular to subrounded gravel up to 2.5" in diameter, 30% silt, 20% fine to medium-grained sand, fill
7 9 18	1	9048H519	5	DARK GRAYISH BROWN CLAYEY GRAVEL (GC) 2.5Y4/2, medium dense, moist, 60% well-graded gravel, 30% clay, 10% fine to medium-grained sand, fill
				Color change to olive gray (5Y5/2), increasing silt at 5 ft.
1 1 2	30	9048H520	10	DARK GREENISH GRAY FAT CLAY (CH) 5GY4/1, medium stiff, moist, 90-95% clay, 5-10% silt, few shell fragments, Bay Mud deposits
2 1 1	70	9048H521	15	

Bottom of boring at 16 feet. Boring backfilled with bentonite cement grout (11/30/90)

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Log of Boring: IR05B075
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE
A33

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		4/91	

Log of Boring: IR05B079
Equipment: CME 55 (HSA), 8.0 in. diam.
Date: 11/19/1990
Elevation: GS 7.27 feet
Total Depth: 16.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
26			0	ASPHALT
23				
20	0	9047G510		YELLOWISH BROWN SILTY GRAVEL WITH SAND (GM) 10YR5/6, dense, moist, 65-70% fine angular gravel, 15-20% sand, 15% silt, fill
13				
15	0	9047G511		
16				
5	0	9047G512	5	GRAYISH GREEN SERPENTINITE BOULDER FILL 5G5/2, medium dense, moist
6				
6				
				DARK GREENISH GRAY FAT CLAY (CH) 5G4/1, very soft, moist, 70-75% clay, 20-25% silt, trace shell fragments, Bay Mud deposits
2			10	
2				
1	100	9047G513		
1			15	
1				
1	150	9047G514		

Bottom of boring at 16 ft.
Boring backfilled with bentonite cement grout (11/19/90)

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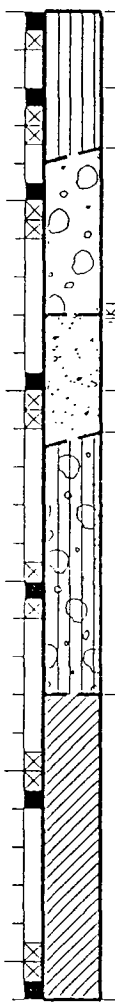
Log of Boring: IR05B079
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A34**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Log of Boring: IR05B081
Equipment: CME 55 (HSA), 8.0 in diam.
Date: 11/21/1990
Elevation: GS 5.84 feet
Total Depth: 26.0 ft.

Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
25 50	0	9047G530	0	BROWNISH YELLOW GRAVELLY SILT (ML) 10YR6/6, medium stiff, dry, 50-55% silt, 25-30% fine to coarse angular gravel, 15-20% sand, fill
18 14 37	3	9047G531		Some serpentinite gravel at 2 ft.
10 12 12	0	9047G532	5	GRAYISH GREEN SERPENTINITE BOULDER FILL medium dense, moist, 85-90% serpentinite, 5% clayey serpentinite matrix
7 8 5	0	9047G533	10	DARK GREENISH GRAY WELL-GRADED SAND WITH GRAVEL (SW) 5GY4/1, medium dense, wet, 65-75% fine to coarse-grained sand, 20-25% fine angular gravel, trace silt, fill Increasing gravel to 30-35% at 10 ft.
6 8 9		9047G534	15	DARK GREENISH GRAY WELL-GRADED GRAVEL WITH SILT AND SAND (GW-GM), 5GY4/1, medium dense, wet, 65-70% fine to coarse angular gravel, 15-20% sand, 10% silt, trace clay, fill
2 2 3	5	9047G535	20	DARK GREENISH GRAY FAT CLAY (CH) 5G4/1, soft, moist, 65-75% clay, 25-30% silt, trace shell fragments, Bay Mud deposits
2 2 3	300	9047G536	25	Bottom of boring at 26 ft. Boring backfilled with bentonite cement grout (11/21/90)



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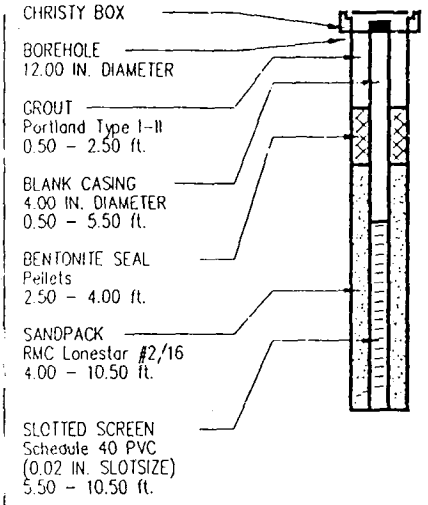
Log of Boring: IR05B081
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A35**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		4/91	

Log of Boring: IR05MW73A
Equipment: CME 55 (HSA), 12.0 in diam
Date: 11/29/1990
Elevation: GS 6.97 feet
Total Depth: 21.0 ft.



Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
28, 55	0	9048H499	0	DARK BROWN GRAVELLY SILT WITH SAND (ML) 10YR3/3, medium stiff to stiff, dry, 50-60% silt, 20-30% subangular mostly serpentinite gravel, 10-20% fine to coarse-grained sand, fill
38, 60	2	9048H500		Increasing gravel to 60-80% at 1.2 ft.
15, 17, 15	0	9048H501	5	DARK YELLOWISH BROWN SANDY SILT WITH GRAVEL (ML) 10YR3/4, medium stiff to stiff, dry, 50% silt, 30% fine to coarse-grained sand, 20% well-graded gravel, fill
				GREENISH GRAY SERPENTINITE BOULDER FILL
				Mostly coarse to very coarse-grained angular sand and fine to medium gravel at 8.5 ft.
7, 3, 3	2	9048H502	10	DARK GREENISH GRAY FAT CLAY WITH GRAVEL (CH) 5G4/1, medium stiff, moist, 80-90% clay, 10-20% gravel, wood debris
1, 1, 2	5	9048H503	15	No wood or gravel at 14.5 ft., 40% shell fragments, Bay Mud deposits
2, 1, 2	10	9048H504	20	40-50% shell fragments

Bottom of boring at 21 ft.
Boring backfilled with bentonite chips from 10.5 to 21 ft.

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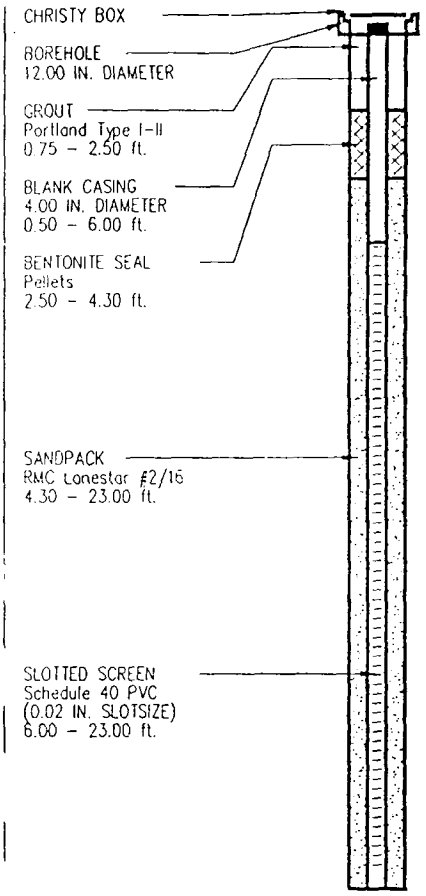
Boring Log and Well Completion Detail: IR05MW73A
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

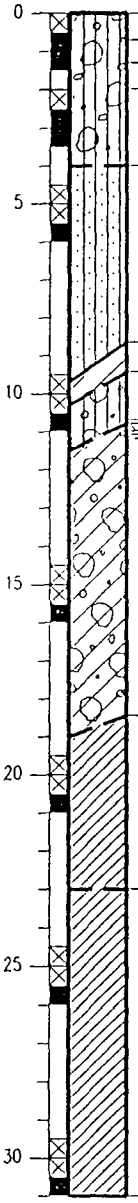
PLATE **A36**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Log of Boring: IR05MW74A
Equipment: CME 55 (HSA), 12.0 in. diam.
Date: 11/28/1990
Elevation: GS 7.62 feet
Total Depth: 31.0 ft.



Blows / 6"	OVA (ppm)	Sample Number
38, 55, 38	0	9048H491
34, 35, 30	0	9048H492
6, 10, 10	0	9048H493
5, 6, 10	0	9048H494
7, 7, 6	0	9048H495
4, 8, 7	1	9048H496
2, 2, 2		9048H497
2, 2, 2		9048H498



GRAYISH BROWN SILTY GRAVEL WITH SAND (GM)
2.5Y5/2, dense, dry,
60-80% subangular mostly serpentinite gravel, 10-30% silt, 10-20% fine to coarse-grained sand, fill

Color change to olive gray (5Y5/2) at 0.7 ft.

Color change to dark yellowish brown (10YR4/4) at 1.3 ft.

Increasing sand to 30% at 2 ft.

STRONG BROWN POORLY GRADED SAND WITH SILT (SP-SM)
7.5YR5/6, loose to medium dense, moist,
90% fine to medium-grained sand, 10% silt,
fill

DARK OLIVE GRAY SANDY LEAN CLAY (CL)
5Y3/2, medium stiff, moist,
50-70% clay, 30-50% fine to medium-grained sand, fill

OLIVE WELL-GRADED GRAVEL WITH SILT AND SAND (GW-GM)
5Y4/4, loose to medium dense, dry,
70% well-graded angular siltstone gravel,
20% fine to medium-grained sand, 10% silt,
fill

DARK GRAY CLAYEY GRAVEL (GC)
5Y4/1, medium dense, wet,
60-70% well-graded subrounded to subangular gravel, 30-40% clay, trace sand, fill

DARK GREENISH GRAY GRAVELLY FAT CLAY (CH)
5GY4/1, medium stiff, moist,
60-80% clay, 10-30% subrounded to subangular gravel, 10% sand, trace wood debris, 20% shell fragments, fill

DARK GREENISH GRAY FAT CLAY (CH)
5GY4/1,
95-100% clay, 0-5% silt, 5-15% shell fragments, Bay Mud deposits

Bottom of boring at 31 feet. Boring backfilled with bentonite chips from 23 to 31 ft.

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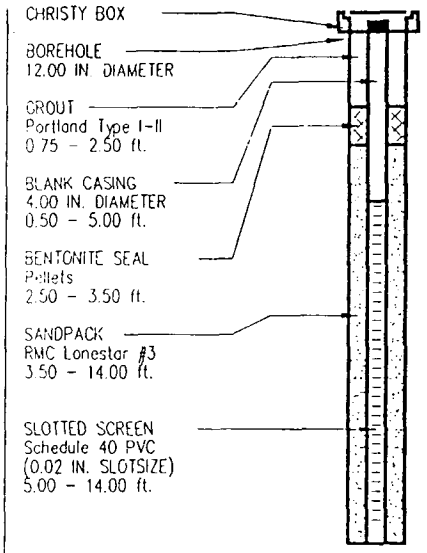
Harding Lawson Associates
Engineering and Environmental Services

Boring Log and Well Completion Detail: IR05MW74A
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A37**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
CDT	18639,305.02		5/91	

Log of Boring: IR05MW76A
Equipment: CME 55 (HSA), 12.0 in diam.
Date: 11/20/1990
Elevation: GS 5.67 feet
Total Depth: 17.5 ft.



Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
28, 26, 30	0	9047G526	0	GRAYISH BROWN WELL-GRADED GRAVEL WITH SAND (GW) 2.5Y5/2, dense, dry, 70-80% fine to coarse angular gravel, 15-20% sand, 5% silt, fill
12, 12, 12	0	9047G527		Moist at 2 ft.
12, 8, 7	0	9047G528	5	OLIVE POORLY GRADED GRAVEL (GP) 5Y5/4, medium dense, moist, 100% fine to coarse gravel, fill
13, 3, 3			10	DARK OLIVE GRAY WELL-GRADED SAND WITH GRAVEL (SW) 5Y3/2, very loose, wet, 70-80% fine to coarse-grained sand, 15-20% fine gravel, fill No sample recovery at 10 ft.
1, 1, 1, 1, 2, 1	200, 250	9047G529	15	DARK GREENISH GRAY FAT CLAY (CH) 5GY4/1, very soft, moist, 75-85% clay, 10-15% silt, trace shell fragments, Bay Mud deposits

Bottom of boring at 17.5 feet. Boring backfilled with bentonite pellets from 14 to 17.5 ft.

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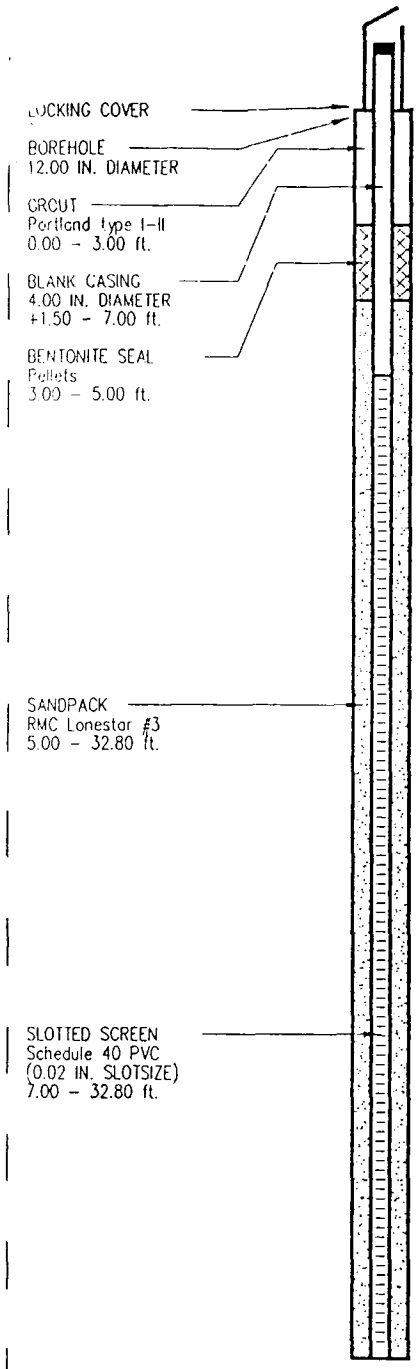
Boring Log and Well Completion Detail: IR05MW76A
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A38**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		4/91	

Log of Boring: IR05MW77A
Equipment: CME 55 (HSA), 12.0 in diam.
Date: 11/26/1990
Elevation: GS 9.02 feet
Total Depth: 37.5 ft.



Blows / 6"	OVA (ppm)	Sample Number	Depth (ft)	Description
21, 26, 38	1	9048H455	0	ASPHALT
				DARK BROWN WELL-GRADED GRAVEL WITH SILT AND SAND (GW-GM), 10YR3/3, loose to medium dense, dry, 70% angular to subangular gravel, 20% fine to medium-grained sand, 10% silt, fill
9, 9, 12	0	9048H456		
				DARK OLIVE GRAY SILTY GRAVEL (GM) 5Y3/2, medium dense, dry, 60% gravel, 30% silt, 10% sand, fill
9, 9, 6	0	9048H457	5	
				VERY DARK GRAY CLAYEY GRAVEL (GC) 5Y3/1, medium dense, dry, 60% very coarse gravel, 30% clay, 10% fine-grained sand, fill
				DARK GRAY GRAVELLY LEAN CLAY WITH SAND (CL) 5Y4/1, medium stiff, moist, 60% clay, 20-30% gravel, 10-20% sand, fill
3, 6, 6			10	
				DARK GRAY CLAYEY SAND WITH GRAVEL (SC) 5Y4/1, medium dense, wet, 60% fine to coarse-grained sand, 20-30% lean clay, 10-20% poorly graded serpentinite gravel, fill
4, 17, 16	4	9048H458	15	
				DARK GREENISH GRAY FAT CLAY WITH SAND (CH) 5GY4/1, soft, wet, 80-90% clay, 10-20% fine to medium-grained sand, 0-5% fine gravel, few to little shell fragments, fill
				DARK OLIVE GRAY WELL-GRADED GRAVEL WITH SAND (GW) 5Y3/2, very loose, wet, 90% angular gravel, 10% medium-grained sand, fill
10, 12, 10	0	9048H459	20	
				DARK YELLOWISH BROWN WELL-GRADED SAND WITH GRAVEL (SW), 10YR4/6, medium dense, wet, 75% fine to coarse-grained sand, 20% fine to medium gravel, 5% silt, fill
				DARK OLIVE GRAY WELL-GRADED GRAVEL WITH SAND (GW) 5Y3/2, very loose, wet, fill
14, 10, 6	0	9048H460	25	
				DARK YELLOWISH BROWN WELL-GRADED SAND WITH GRAVEL (SW), 10YR4/6, medium dense, wet, 70% sand, 30% well-graded gravel, fill
				DARK GREENISH GRAY SERPENTINITE BOULDER FILL wet
12, 20, 22	0	9048H461	30	
				DARK GREENISH GRAY FAT CLAY WITH SAND (CH) 5GY4/1, soft to medium stiff, moist, 75-95% clay, 5-25% medium-grained sand, trace shell fragments, Bay Mud deposits
2, 2, 3, 2, 2, 2	10	9048462	35	
				Bottom of boring at 37.5 feet. Boring backfilled with bentonite chips to 32 ft.

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Harding Lawson Associates
Engineering and Environmental Services

Boring Log and Well Completion Detail: IR05MW77A
Primary Phase Remedial Investigation
Naval Station, Treasure Island, Hunters Point Annex
San Francisco, California

PLATE **A39**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
GDT	18639,305.02		5/91	

Appendix B

ORGANIC AND INORGANIC CHEMICAL ANALYSES RESULTS FOR SOIL AND GROUNDWATER SAMPLES OU III (SITES IR-4 AND IR-5)

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ORGANIC AND INORGANIC CHEMICAL ANALYSES RESULTS FOR SOIL AND GROUNDWATER SAMPLES SITE IR-4

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Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B001		IR04B001		IR04B001		IR04B001
Sample Depth(feet):		2.00		4.00		8.50		11.00
Sample Number:		9046H404		9046H405		9046H406		9046H407
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/13/90		11/13/90		11/13/90		11/13/90
Lab Sample Number:		68227		68228		68229		68230
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.3)	A	ND(5.6)	A	ND(5.7)	U1	ND(5.5)	A
Acetone	ug/kg	ND(11)	A	ND(11)	A	ND(19)	U1	ND(11)	A
Carbon disulfide	ug/kg	ND(5.3)	A	ND(5.6)	A	ND(5.7)	A	ND(5.5)	A
1,1-Dichloroethane	ug/kg	ND(5.3)	A	ND(5.6)	A	ND(5.7)	A	ND(5.5)	A
Chloroform	ug/kg	ND(5.3)	A	ND(5.6)	A	ND(5.7)	A	ND(5.5)	A
1,2-Dichloroethane	ug/kg	ND(5.3)	A	ND(5.6)	A	ND(5.7)	A	ND(5.5)	A
1,1,1-Trichloroethane	ug/kg	ND(5.3)	A	ND(5.6)	A	ND(5.7)	A	ND(5.5)	A
Trichloroethene	ug/kg	ND(5.3)	A	ND(5.6)	A	ND(5.7)	A	ND(5.5)	A
1,1,2-Trichloroethane	ug/kg	ND(5.3)	A	ND(5.6)	A	ND(5.7)	A	ND(5.5)	A
Benzene	ug/kg	ND(5.3)	A	ND(5.6)	A	ND(5.7)	A	ND(5.5)	A
Tetrachloroethene	ug/kg	ND(5.3)	A	ND(5.6)	A	ND(5.7)	A	ND(5.5)	A
Toluene	ug/kg	160	F	27	F	25	F	66	F
Ethyl benzene	ug/kg	ND(5.3)	A	ND(5.6)	A	ND(5.7)	A	ND(5.5)	A
Xylenes	ug/kg	ND(5.3)	A	ND(5.6)	A	ND(5.7)	A	ND(5.5)	A
CLP-SOC									
Naphthalene	ug/kg	ND(350)	A	ND(370)	A	ND(370)	A	ND(370)	A
2-Methylnaphthalene	ug/kg	ND(350)	A	ND(370)	A	ND(370)	A	ND(370)	A
Phenanthrene	ug/kg	ND(350)	A	ND(370)	A	ND(370)	A	ND(370)	A
Fluoranthene	ug/kg	ND(350)	A	ND(370)	A	ND(370)	A	ND(370)	A
Pyrene	ug/kg	ND(350)	A	ND(370)	A	ND(370)	A	ND(370)	A
Benzo(a)anthracene	ug/kg	ND(350)	A	ND(370)	A	ND(370)	A	ND(370)	A
Chrysene	ug/kg	ND(350)	A	ND(370)	A	ND(370)	A	ND(370)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(350)	A	ND(370)	A	ND(380)	U1	ND(430)	U1
Di-n-octylphthalate	ug/kg	ND(350)	A	ND(370)	A	ND(370)	A	ND(370)	A
Benzo(b)fluoranthene	ug/kg	ND(350)	A	ND(370)	A	ND(370)	A	ND(370)	A
Benzo(k)fluoranthene	ug/kg	ND(350)	A	ND(370)	A	ND(370)	A	ND(370)	A
Benzo(a)pyrene	ug/kg	ND(350)	A	ND(370)	A	ND(370)	A	ND(370)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(350)	A	ND(370)	A	ND(370)	A	ND(370)	A
Dibenzo(a,h)anthracene	ug/kg	ND(350)	A	ND(370)	A	ND(370)	A	ND(370)	A
Benzo(ghi)perylene	ug/kg	ND(350)	A	ND(370)	A	ND(370)	A	ND(370)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(8.5)	A	ND(9)	A	ND(9.1)	A	ND(8.9)	A
Dieldrin	ug/kg	ND(17)	A	ND(18)	A	ND(18)	A	ND(18)	A
4,4'-DDD	ug/kg	ND(17)	A	ND(18)	A	ND(18)	A	ND(18)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B001		IR04B001		IR04B001		IR04B001
Sample Depth(feet):		2.00		4.00		8.50		11.00
Sample Number:		9046H404		9046H405		9046H406		9046H407
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/13/90		11/13/90		11/13/90		11/13/90
Lab Sample Number:		68227		68228		68229		68230
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	ND(17)	A	ND(18)	A	ND(18)	A	ND(18)	A
Aroclor-1254	ug/kg	ND(170)	A	ND(180)	A	ND(180)	A	ND(180)	A
Aroclor-1260	ug/kg	ND(170)	A	ND(180)	A	ND(180)	A	ND(180)	A
TPH DIESEL									
TPH-Diesel	mg/kg	ND(11)	A	55	A	41	A	66	A
TPH GAS									
TPH-Gasoline	mg/kg	ND(1.1)	A	ND(1.1)	A	ND(1.1)	A	ND(1.1)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	285	A	232	A	90.5	A	64.9	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B001		IR04B001		IR04B001		IR04B006
Sample Depth(feet):		16.00		21.00		31.00		1.00
Sample Number:		9046H408		9046H409		9046H410		9046H411
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/13/90		11/13/90		11/13/90		11/13/90
Lab Sample Number:		68234		68235		68236		68231
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.5)	J35	ND(5.8)	J3	ND(7.9)	J35	ND(5.2)	J5
Acetone	ug/kg	ND(11)	J35	ND(12)	J3	ND(16)	J35	ND(10)	J5
Carbon disulfide	ug/kg	ND(5.5)	J35	ND(5.8)	J3	ND(7.9)	J35	ND(5.2)	J5
1,1-Dichloroethane	ug/kg	ND(5.5)	J35	ND(5.8)	J3	ND(7.9)	J35	ND(5.2)	J5
Chloroform	ug/kg	ND(5.5)	J35	ND(5.8)	J3	ND(7.9)	J35	ND(5.2)	J5
1,2-Dichloroethane	ug/kg	ND(5.5)	J35	ND(5.8)	J3	ND(7.9)	J35	ND(5.2)	J5
1,1,1-Trichloroethane	ug/kg	ND(5.5)	J35	ND(5.8)	J3	ND(7.9)	J35	ND(5.2)	J5
Trichloroethene	ug/kg	ND(5.5)	J35	ND(5.8)	J3	ND(7.9)	J35	ND(5.2)	J5
1,1,2-Trichloroethane	ug/kg	ND(5.5)	J35	ND(5.8)	J3	ND(7.9)	J35	ND(5.2)	J5
Benzene	ug/kg	ND(5.5)	J35	ND(5.8)	J3	ND(7.9)	J35	ND(5.2)	J5
Tetrachloroethene	ug/kg	ND(5.5)	J35	ND(5.8)	J3	ND(7.9)	J35	ND(5.2)	J35
Toluene	ug/kg	200	F/J35	210	F/J3	400	F/J35	150	F/J5
Ethyl benzene	ug/kg	ND(5.5)	J35	ND(5.8)	J3	ND(7.9)	J35	ND(5.2)	J5
Xylenes	ug/kg	ND(5.5)	J35	ND(5.8)	J3	ND(7.9)	J35	7.2	J5
CLP-SOC									
Naphthalene	ug/kg	ND(720)	J5	ND(380)	A	ND(1000)	J5	ND(690)	J5
2-Methylnaphthalene	ug/kg	ND(720)	J5	ND(380)	A	ND(1000)	J5	ND(690)	J5
Phenanthrene	ug/kg	ND(720)	J5	ND(380)	A	ND(1000)	J5	ND(690)	J5
Fluoranthene	ug/kg	ND(720)	J5	ND(380)	A	ND(1000)	J5	ND(690)	J5
Pyrene	ug/kg	ND(720)	J5	ND(380)	A	ND(1000)	J5	ND(690)	J5
Benzo(a)anthracene	ug/kg	ND(720)	J5	ND(380)	A	ND(1000)	J5	ND(690)	J5
Chrysene	ug/kg	ND(720)	J5	ND(380)	A	ND(1000)	J5	ND(690)	J5
Bis(2-ethylhexyl)phthalate	ug/kg	ND(720)	U1J5/jd	ND(590)	U1	ND(1000)	U1J5/jd	ND(690)	U1J5/jd
Di-n-octylphthalate	ug/kg	ND(720)	J5	ND(380)	A	ND(1000)	J5	ND(690)	J5
Benzo(b)fluoranthene	ug/kg	ND(720)	J5	ND(380)	A	ND(1000)	J5	ND(690)	J5
Benzo(k)fluoranthene	ug/kg	ND(720)	J5	ND(380)	A	ND(1000)	J5	ND(690)	J5
Benzo(a)pyrene	ug/kg	ND(720)	J5	ND(380)	A	ND(1000)	J5	ND(690)	J5
Indeno(1,2,3-cd)pyrene	ug/kg	ND(720)	J5	ND(380)	A	ND(1000)	J5	ND(690)	J5
Dibenzo(a,h)anthracene	ug/kg	ND(720)	J5	ND(380)	A	ND(1000)	J5	ND(690)	J5
Benzo(ghi)perylene	ug/kg	ND(720)	J5	ND(380)	A	ND(1000)	J5	ND(690)	J5
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	NA		NA		NA		ND(8.4)	A
Dieldrin	ug/kg	NA		NA		NA		ND(17)	J5
4,4'-DDD	ug/kg	NA		NA		NA		ND(17)	J3

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:	IR04B001	IR04B001	IR04B001	IR04B006
Sample Depth(feet):	16.00	21.00	31.00	1.00
Sample Number:	9046H408	9046H409	9046H410	9046H411
Matrix:	SOIL	SOIL	SOIL	SOIL
Sample Date:	11/13/90	11/13/90	11/13/90	11/13/90
Lab Sample Number:	68234	68235	68236	68231

Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	NA		NA		NA		ND(17)	J3
Aroclor-1254	ug/kg	NA		NA		NA		ND(170)	J3
Aroclor-1260	ug/kg	NA		NA		NA		ND(170)	A
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		NA		1100	A
TPH GAS									
TPH-Gasoline	mg/kg	NA		NA		NA		1.7	A
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		NA		2010	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B006		IR04B006		IR04B014		IR04B014
Sample Depth(feet):		3.50		6.00		2.00		3.00
Sample Number:		9046H412		9046H413		9046G470		9046G471
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/13/90		11/13/90		11/14/90		11/14/90
Lab Sample Number:		68232		68233		68350		68351
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.3)	J5	ND(5.6)	J3	ND(6.2)	U1	ND(31)	J5
Acetone	ug/kg	ND(11)	J5	ND(11)	J3	ND(12)	U1	ND(62)	J5
Carbon disulfide	ug/kg	ND(5.3)	J5	ND(5.6)	J3	ND(5.8)	A	ND(31)	J5
1,1-Dichloroethane	ug/kg	ND(5.3)	J5	ND(5.6)	J3	ND(5.8)	A	ND(31)	J5
Chloroform	ug/kg	ND(5.3)	J5	ND(5.6)	J3	ND(5.8)	A	ND(31)	J5
1,2-Dichloroethane	ug/kg	ND(5.3)	J5	ND(5.6)	J3	ND(5.8)	A	ND(31)	J5
1,1,1-Trichloroethane	ug/kg	ND(5.3)	J5	ND(5.6)	J3	ND(5)	A	ND(31)	J5
Trichloroethene	ug/kg	ND(5.3)	J5	65	J3	11	A	ND(31)	J5
1,1,2-Trichloroethane	ug/kg	ND(5.3)	J5	ND(5.6)	J3	ND(5.8)	A	ND(31)	J5
Benzene	ug/kg	ND(5.3)	J5	ND(5.6)	J3	ND(5.8)	A	ND(31)	J5
Tetrachloroethene	ug/kg	ND(5.3)	J5	ND(5.6)	J3	ND(5.8)	A	ND(31)	J5
Toluene	ug/kg	19	F/J5	48	F/J3	41	F	56	FJ5/D
Ethyl benzene	ug/kg	ND(5.3)	J5	ND(5.6)	J3	ND(5.8)	A	ND(31)	J5
Xylenes	ug/kg	ND(5.3)	J5	ND(5.6)	J3	ND(5.8)	A	ND(31)	J5
CLP-SOC									
Naphthalene	ug/kg	ND(710)	J5	ND(370)	A	ND(380)	A	ND(410)	A
2-Methylnaphthalene	ug/kg	ND(710)	J5	ND(370)	A	ND(380)	A	ND(410)	A
Phenanthrene	ug/kg	ND(710)	J5	ND(370)	A	ND(380)	A	ND(410)	A
Fluoranthene	ug/kg	ND(710)	J5	ND(370)	A	440	A	ND(410)	A
Pyrene	ug/kg	ND(710)	J5	ND(370)	A	ND(380)	A	ND(410)	A
Benzo(a)anthracene	ug/kg	ND(710)	J5	ND(370)	A	ND(380)	A	ND(410)	A
Chrysene	ug/kg	ND(710)	J5	ND(370)	A	ND(380)	A	ND(410)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(710)	J5	ND(370)	U1/J	ND(380)	A	ND(690)	U1
Di-n-octylphthalate	ug/kg	ND(710)	J5	ND(370)	A	530	A	ND(410)	A
Benzo(b)fluoranthene	ug/kg	ND(710)	J5	ND(370)	A	ND(380)	A	ND(410)	A
Benzo(k)fluoranthene	ug/kg	ND(710)	J5	ND(370)	A	ND(380)	A	ND(410)	A
Benzo(a)pyrene	ug/kg	ND(710)	J5	ND(370)	A	ND(380)	A	ND(410)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(710)	J5	ND(370)	A	ND(380)	A	ND(410)	A
Dibenzo(a,h)anthracene	ug/kg	ND(710)	J5	ND(370)	A	ND(380)	A	ND(410)	A
Benzo(ghi)perylene	ug/kg	ND(710)	J5	ND(370)	A	ND(380)	A	ND(410)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(8.5)	J5	ND(9)	A	ND(19)	A	ND(20)	J3
Dieldrin	ug/kg	ND(17)	J5	ND(18)	A	ND(37)	A	ND(40)	A
4,4'-DDD	ug/kg	ND(17)	J5	ND(18)	A	ND(37)	A	ND(40)	J3

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B006		IR04B006		IR04B014		IR04B014
Sample Depth(feet):		3.50		6.00		2.00		3.00
Sample Number:		9046H412		9046H413		9046G470		9046G471
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/13/90		11/13/90		11/14/90		11/14/90
Lab Sample Number:		68232		68233		68350		68351
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	ND(17)	J5	ND(18)	A	ND(37)	A	ND(40)	J3
Aroclor-1254	ug/kg	ND(170)	J5	ND(180)	A	ND(370)	A	ND(400)	J3
Aroclor-1260	ug/kg	ND(170)	A	ND(180)	A	ND(370)	A	1700	J3/D
TPH DIESEL									
TPH-Diesel	mg/kg	310	A	ND(11)	A	590	D	62	A
TPH GAS									
TPH-Gasoline	mg/kg	ND(1.1)	J5	ND(1.1)	A	ND(1.2)	A	ND(1.2)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	1060	A	82.3	A	2450	A	675	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B014		IR04B014		IR04B014		IR04B014
Sample Depth(feet):		5.00		10.00		15.50		20.00
Sample Number:		9046G472		9046G473		9046G476		9046G477
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/14/90		11/14/90		11/14/90
Lab Sample Number:		68352		68353		68358		68359
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(6)	J35	ND(6.4)	J5	ND(6.6)	A	ND(6.6)	A
Acetone	ug/kg	ND(12)	J35	ND(13)	J5	ND(13)	A	ND(13)	A
Carbon disulfide	ug/kg	ND(6)	J35	ND(6.4)	J5	ND(6.6)	A	ND(6.6)	A
1,1-Dichloroethane	ug/kg	ND(6)	J35	ND(6.4)	J5	ND(6.6)	A	ND(6.6)	A
Chloroform	ug/kg	ND(6)	J35	ND(6.4)	A	ND(6.6)	A	ND(6.6)	A
1,2-Dichloroethane	ug/kg	ND(6)	J35	ND(6.4)	J5	ND(6.6)	A	ND(6.6)	A
1,1,1-Trichloroethane	ug/kg	ND(5)	J35	ND(5)	J5	ND(6.6)	A	ND(6.6)	A
Trichloroethene	ug/kg	19	J35	ND(6.4)	J5	52	A	ND(6.6)	A
1,1,2-Trichloroethane	ug/kg	ND(6)	J35	ND(6.4)	J5	ND(6.6)	A	ND(6.6)	A
Benzene	ug/kg	ND(6)	J35	ND(6.4)	J5	ND(6.6)	A	ND(6.6)	A
Tetrachloroethene	ug/kg	ND(6)	J35	ND(6.4)	J5	ND(6.6)	A	ND(6.6)	A
Toluene	ug/kg	210	FJ35	130	FJ5	53	F	8	F
Ethyl benzene	ug/kg	ND(6)	J35	ND(6.4)	J5	ND(6.6)	A	ND(6.6)	A
Xylenes	ug/kg	ND(6)	J35	ND(6.4)	J5	ND(6.6)	A	ND(6.6)	A
CLP-SOC									
Naphthalene	ug/kg	ND(390)	A	ND(420)	A	ND(440)	J5	ND(430)	A
2-Methylnaphthalene	ug/kg	ND(390)	A	ND(420)	A	ND(440)	J5	ND(430)	A
Phenanthrene	ug/kg	ND(390)	A	ND(420)	A	ND(440)	J5	ND(430)	A
Fluoranthene	ug/kg	ND(390)	A	ND(420)	A	ND(440)	J5	ND(430)	A
Pyrene	ug/kg	ND(390)	A	ND(420)	A	ND(440)	J5	ND(430)	A
Benzo(a)anthracene	ug/kg	ND(390)	A	ND(420)	A	ND(440)	J5	ND(430)	A
Chrysene	ug/kg	ND(390)	A	ND(420)	A	ND(440)	J5	ND(430)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(390)	U1/J	510	A	ND(1200)	U1J5	ND(430)	A
Di-n-octylphthalate	ug/kg	730	A	800	A	ND(440)	J5	240	J
Benzo(b)fluoranthene	ug/kg	ND(390)	A	ND(420)	A	ND(440)	J5	ND(430)	A
Benzo(k)fluoranthene	ug/kg	ND(390)	A	ND(420)	A	ND(440)	J5	ND(430)	A
Benzo(a)pyrene	ug/kg	ND(390)	A	ND(420)	A	ND(440)	J5	ND(430)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(390)	A	ND(420)	A	ND(440)	J5	ND(430)	A
Dibenzo(a,h)anthracene	ug/kg	ND(390)	A	ND(420)	A	ND(440)	J5	ND(430)	A
Benzo(ghi)perylene	ug/kg	ND(390)	A	ND(420)	A	ND(440)	J5	ND(430)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(19)	A	ND(20)	A	NA		NA	
Dieldrin	ug/kg	ND(38)	A	ND(40)	A	NA		NA	
4,4'-DDD	ug/kg	ND(38)	A	ND(40)	A	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B014		IR04B014		IR04B014		IR04B014
Sample Depth(feet):		5.00		10.00		15.50		20.00
Sample Number:		9046G472		9046G473		9046G476		9046G477
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/14/90		11/14/90		11/14/90
Lab Sample Number:		68352		68353		68358		68359
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	ND(38)	A	ND(40)	A	NA		NA	
Aroclor-1254	ug/kg	ND(380)	A	ND(400)	A	NA		NA	
Aroclor-1260	ug/kg	ND(380)	A	ND(400)	A	NA		NA	
TPH DIESEL									
TPH-Diesel	mg/kg	ND(12)	A	ND(13)	A	NA		NA	
TPH GAS									
TPH-Gasoline	mg/kg	ND(1.2)	J5	ND(1.3)	J5	NA		NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	215	A	79.9	A	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B018		IR04B018		IR04B018		IR04B018
Sample Depth(feet):		1.50		3.50		5.50		10.50
Sample Number:		9047N169		9047N170		9047N171		9047N172
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/20/90		11/20/90		11/20/90		11/20/90
Lab Sample Number:		69136		69137		69138		69139
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.5)	J5	ND(5.5)	A	ND(5.8)	J5	ND(10)	U1
Acetone	ug/kg	ND(11)	J5	ND(11)	A	35	J5	ND(12)	A
Carbon disulfide	ug/kg	ND(5.5)	J5	ND(5.5)	A	ND(5.8)	J5	ND(5.9)	A
1,1-Dichloroethane	ug/kg	ND(5.5)	J5	ND(5.5)	A	ND(5.8)	J5	ND(5.9)	A
Chloroform	ug/kg	ND(5.5)	J5	ND(5.5)	A	ND(5.8)	J5	ND(5.9)	A
1,2-Dichloroethane	ug/kg	ND(5.5)	J5	ND(5.5)	A	ND(5.8)	J5	ND(5.9)	A
1,1,1-Trichloroethane	ug/kg	ND(5.5)	J5	ND(7)	U1/B	ND(5.8)	J5	ND(5.9)	A
Trichloroethene	ug/kg	ND(5.5)	J5	ND(5.5)	A	ND(5.8)	J5	ND(5.9)	A
1,1,2-Trichloroethane	ug/kg	ND(5.5)	J5	ND(5.5)	A	ND(5.8)	J5	ND(5.9)	A
Benzene	ug/kg	13	J5	ND(5.5)	A	ND(5.8)	J5	ND(5.9)	A
Tetrachloroethene	ug/kg	ND(5.5)	J5	ND(5.5)	A	ND(5.8)	J5	ND(5.9)	A
Toluene	ug/kg	28	FJ5	143	F	50	FJ5	11	F
Ethyl benzene	ug/kg	ND(5.5)	J5	ND(5.5)	A	ND(5.8)	J5	ND(5.9)	A
Xylenes	ug/kg	ND(5.5)	J5	ND(5.5)	A	ND(5.8)	J5	ND(5.9)	A
CLP-SOC									
Naphthalene	ug/kg	ND(370)	A	ND(730)	A	ND(380)	A	ND(390)	A
2-Methylnaphthalene	ug/kg	ND(370)	A	ND(730)	A	ND(380)	A	ND(390)	A
Phenanthrene	ug/kg	ND(370)	A	ND(730)	A	ND(380)	A	ND(390)	A
Fluoranthene	ug/kg	ND(370)	A	ND(730)	A	ND(380)	A	ND(390)	A
Pyrene	ug/kg	ND(370)	A	ND(730)	A	ND(380)	A	ND(390)	A
Benzo(a)anthracene	ug/kg	ND(370)	A	ND(730)	A	ND(380)	A	ND(390)	A
Chrysene	ug/kg	ND(370)	A	ND(730)	A	ND(380)	A	ND(390)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(370)	U1/JB	ND(940)	U1/JB	ND(400)	U1/B	ND(640)	U1/B
Di-n-octylphthalate	ug/kg	ND(370)	A	ND(730)	A	ND(380)	A	ND(390)	A
Benzo(b)fluoranthene	ug/kg	ND(370)	A	ND(730)	A	ND(380)	A	ND(390)	A
Benzo(k)fluoranthene	ug/kg	ND(370)	A	ND(730)	A	ND(380)	A	ND(390)	A
Benzo(a)pyrene	ug/kg	ND(370)	A	ND(730)	A	ND(380)	A	ND(390)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(370)	A	ND(730)	A	ND(380)	A	ND(390)	A
Dibenzo(a,h)anthracene	ug/kg	ND(370)	A	ND(730)	A	ND(380)	A	ND(390)	A
Benzo(ghi)perylene	ug/kg	ND(370)	A	ND(730)	A	ND(380)	A	ND(390)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(44)	J5	ND(88)	J5	ND(9.3)	A	ND(9.4)	A
Dieldrin	ug/kg	ND(89)	J5	ND(180)	J5	ND(19)	A	ND(19)	A
4,4'-DDD	ug/kg	440	J5/B	ND(250)	U1J5/B	ND(170)	U1/B	ND(210)	U1/B

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B018		IR04B018		IR04B018		IR04B018
Sample Depth(feet):		1.50		3.50		5.50		10.50
Sample Number:		9047N169		9047N170		9047N171		9047N172
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/20/90		11/20/90		11/20/90		11/20/90
Lab Sample Number:		69136		69137		69138		69139
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	ND(490)	U1J35/B	ND(480)	U1J35/B	ND(460)	U1J3/B	ND(520)	U1J3/B
Aroclor-1254	ug/kg	ND(890)	J5	ND(180)	J5	ND(190)	A	ND(190)	A
Aroclor-1260	ug/kg	ND(890)	J5	ND(180)	J5	ND(190)	A	ND(190)	A
TPH DIESEL									
TPH-Diesel	mg/kg	110	A	720	D	59	A	ND(12)	A
TPH GAS									
TPH-Gasoline	mg/kg	ND(1.1)	J3	ND(1.1)	A	ND(1.2)	A	ND(1.2)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	98.3	A	824	A	ND(58)	A	58.8	JA

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B018		IR04B018		IR04B018		IR04B018
Sample Depth(feet):		15.50		20.50		25.50		30.50
Sample Number:		9047N173		9047N174		9047N175		9047N176
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/20/90		11/20/90		11/20/90		11/20/90
Lab Sample Number:		69144		69145		69146		69147
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.8)	A	ND(6)	A	ND(7.1)	A	ND(6.4)	A
Acetone	ug/kg	ND(12)	A	ND(12)	A	ND(14)	A	ND(13)	A
Carbon disulfide	ug/kg	ND(5.8)	A	ND(6)	A	ND(7.1)	A	ND(6.4)	A
1,1-Dichloroethane	ug/kg	ND(5.8)	A	ND(6)	A	ND(7.1)	A	ND(6.4)	A
Chloroform	ug/kg	ND(5.8)	A	ND(6)	A	ND(7.1)	A	ND(6.4)	A
1,2-Dichloroethane	ug/kg	ND(5.8)	A	ND(6)	A	ND(7.1)	A	ND(6.4)	A
1,1,1-Trichloroethane	ug/kg	ND(5.8)	A	ND(6)	A	ND(7.1)	A	ND(6.4)	U1/JB
Trichloroethene	ug/kg	ND(5.8)	A	ND(6)	A	ND(7.1)	A	ND(6.4)	A
1,1,2-Trichloroethane	ug/kg	ND(5.8)	A	ND(6)	A	ND(7.1)	A	ND(6.4)	A
Benzene	ug/kg	ND(5.8)	A	ND(6)	A	ND(7.1)	A	ND(6.4)	A
Tetrachloroethene	ug/kg	ND(5.8)	A	ND(6)	A	ND(7.1)	A	ND(6.4)	A
Toluene	ug/kg	ND(5.8)	F	39	F	82	F	72	F
Ethyl benzene	ug/kg	ND(5.8)	A	ND(6)	A	ND(7.1)	A	ND(6.4)	A
Xylenes	ug/kg	ND(5.8)	A	ND(6)	A	ND(7.1)	A	ND(6.4)	A
CLP-SOC									
Naphthalene	ug/kg	ND(380)	A	ND(390)	A	ND(930)	A	ND(840)	A
2-Methylnaphthalene	ug/kg	ND(380)	A	ND(390)	A	ND(930)	A	ND(840)	A
Phenanthrene	ug/kg	ND(380)	A	ND(390)	A	ND(930)	A	ND(840)	A
Fluoranthene	ug/kg	ND(380)	A	ND(390)	A	ND(930)	A	ND(840)	A
Pyrene	ug/kg	ND(380)	A	ND(390)	A	ND(930)	A	ND(840)	A
Benzo(a)anthracene	ug/kg	ND(380)	A	ND(390)	A	ND(930)	A	ND(840)	A
Chrysene	ug/kg	ND(380)	A	ND(390)	A	ND(930)	A	ND(840)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(1000)	U1/B	ND(670)	U1/B	ND(960)	U1/BD	ND(940)	U1/BD
Di-n-octylphthalate	ug/kg	ND(380)	A	ND(390)	A	ND(930)	A	ND(840)	A
Benzo(b)fluoranthene	ug/kg	ND(380)	A	ND(390)	A	ND(930)	A	ND(840)	A
Benzo(k)fluoranthene	ug/kg	ND(380)	A	ND(390)	A	ND(930)	A	ND(840)	A
Benzo(a)pyrene	ug/kg	ND(380)	A	ND(390)	A	ND(930)	A	ND(840)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(380)	A	ND(390)	A	ND(930)	A	ND(840)	A
Dibenzo(a,h)anthracene	ug/kg	ND(380)	A	ND(390)	A	ND(930)	A	ND(840)	A
Benzo(ghi)perylene	ug/kg	ND(380)	A	ND(390)	A	ND(930)	A	ND(840)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	NA		NA		NA		NA	
Dieldrin	ug/kg	NA		NA		NA		NA	
4,4'-DDD	ug/kg	NA		NA		NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B018		IR04B018		IR04B018		IR04B018
Sample Depth(feet):		15.50		20.50		25.50		30.50
Sample Number:		9047N173		9047N174		9047N175		9047N176
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/20/90		11/20/90		11/20/90		11/20/90
Lab Sample Number:		69144		69145		69146		69147
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)								
4,4'-DDT	ug/kg	NA		NA		NA		NA
Aroclor-1254	ug/kg	NA		NA		NA		NA
Aroclor-1260	ug/kg	NA		NA		NA		NA
TPH DIESEL								
TPH-Diesel	mg/kg	NA		NA		NA		NA
TPH GAS								
TPH-Gasoline	mg/kg	NA		NA		NA		NA
OIL & GREASE								
Total Oil & Grease	mg/kg	NA		NA		NA		NA

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:	IR04B021		IR04B021		IR04B021		IR04B021	
Sample Depth(feet):	1.00		3.00		5.00		10.00	
Sample Number:	9046G478		9046G479		9046G480		9046G481	
Matrix:	SOIL		SOIL		SOIL		SOIL	
Sample Date:	11/14/90		11/14/90		11/14/90		11/14/90	
Lab Sample Number:	68354		68355		68356		68357	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.5)	J5	ND(14)	U1	ND(13)	U1	ND(6)	A
Acetone	ug/kg	ND(11)	J5	ND(12)	U1	ND(11)	U1	ND(12)	A
Carbon disulfide	ug/kg	ND(5.5)	J5	ND(6)	A	ND(5.7)	A	ND(6)	A
1,1-Dichloroethane	ug/kg	ND(5.5)	J5	ND(6)	A	ND(5.7)	A	ND(6)	A
Chloroform	ug/kg	ND(5.5)	J5	ND(6)	A	ND(5.7)	A	ND(6)	A
1,2-Dichloroethane	ug/kg	ND(5.5)	J5	ND(6)	A	ND(5.7)	A	ND(6)	A
1,1,1-Trichloroethane	ug/kg	ND(5)	J5	ND(6)	A	ND(5.7)	A	ND(6)	A
Trichloroethene	ug/kg	ND(5.5)	J5	ND(6)	A	ND(5.7)	A	ND(6)	A
1,1,2-Trichloroethane	ug/kg	ND(5.5)	J5	ND(6)	A	ND(5.7)	A	ND(6)	A
Benzene	ug/kg	ND(5.5)	J5	ND(6)	A	ND(5.7)	A	ND(6)	A
Tetrachloroethene	ug/kg	ND(5.5)	J5	ND(6)	A	ND(5.7)	A	ND(6)	A
Toluene	ug/kg	26	J5	7.3	F	32	F	63	F
Ethyl benzene	ug/kg	ND(5.5)	J5	ND(6)	A	ND(5.7)	A	ND(6)	A
Xylenes	ug/kg	ND(5.5)	J5	ND(6)	A	ND(5.7)	A	ND(6)	A
CLP-SOC									
Naphthalene	ug/kg	ND(370)	A	ND(400)	A	ND(380)	A	ND(400)	A
2-Methylnaphthalene	ug/kg	ND(370)	A	ND(400)	A	ND(380)	A	ND(400)	A
Phenanthrene	ug/kg	ND(370)	A	ND(400)	A	ND(380)	A	ND(400)	A
Fluoranthene	ug/kg	ND(370)	A	ND(400)	A	ND(380)	A	ND(400)	A
Pyrene	ug/kg	ND(370)	A	ND(400)	A	ND(380)	A	ND(400)	A
Benzo(a)anthracene	ug/kg	ND(370)	A	ND(400)	A	ND(380)	A	ND(400)	A
Chrysene	ug/kg	ND(370)	A	ND(400)	A	ND(380)	A	ND(400)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(450)	U1	ND(400)	A	ND(380)	U1/J	ND(400)	U1/J
Di-n-octylphthalate	ug/kg	880	A	370	J	490	A	780	J
Benzo(b)fluoranthene	ug/kg	ND(370)	A	ND(400)	A	ND(380)	A	ND(400)	A
Benzo(k)fluoranthene	ug/kg	ND(370)	A	ND(400)	A	ND(380)	A	ND(400)	A
Benzo(a)pyrene	ug/kg	ND(370)	A	ND(400)	A	ND(380)	A	ND(400)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(370)	A	ND(400)	A	ND(380)	A	ND(400)	A
Dibenzo(a,h)anthracene	ug/kg	ND(370)	A	ND(400)	A	ND(380)	A	ND(400)	A
Benzo(ghi)perylene	ug/kg	ND(370)	A	ND(400)	A	ND(380)	A	ND(400)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(44)	A	ND(19)	A	ND(18)	J3	ND(19)	A
Dieldrin	ug/kg	ND(88)	A	ND(39)	A	ND(36)	J3	ND(39)	A
4,4'-DDD	ug/kg	ND(88)	A	ND(39)	A	ND(36)	J3	ND(39)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B021		IR04B021		IR04B021		IR04B021
Sample Depth(feet):		1.00		3.00		5.00		10.00
Sample Number:		9046G478		9046G479		9046G480		9046G481
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/14/90		11/14/90		11/14/90
Lab Sample Number:		68354		68355		68356		68357
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	ND(88)	A	ND(39)	A	ND(36)	J3	ND(39)	A
Aroclor-1254	ug/kg	ND(880)	A	ND(390)	A	ND(360)	J3	ND(390)	A
Aroclor-1260	ug/kg	ND(880)	A	ND(390)	A	ND(360)	J3	ND(390)	A
TPH DIESEL									
TPH-Diesel	mg/kg	80	A	ND(12)	A	ND(11)	A	ND(12)	A
TPH GAS									
TPH-Gasoline	mg/kg	1.2	J5	ND(1.2)	A	ND(1.1)	A	ND(1.2)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	13200	A	31.2	J	28.8	J	ND(60)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B021		IR04B021		IR04B022		IR04B022
Sample Depth(feet):		15.50		20.00		1.75		3.75
Sample Number:		9046G482		9046G485		9048N231		9048N232
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/14/90		11/30/90		11/30/90
Lab Sample Number:		68360		68361		69809		69810
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(6.5)	J5	ND(6.4)	J5	ND(5.5)	A	ND(5.5)	A
Acetone	ug/kg	ND(13)	J5	ND(13)	J5	ND(11)	A	ND(11)	A
Carbon disulfide	ug/kg	ND(6.5)	J5	ND(6.4)	J5	ND(5.5)	A	ND(5.5)	A
1,1-Dichloroethane	ug/kg	ND(6.5)	J5	ND(6.4)	J5	ND(5.5)	A	ND(5.5)	A
Chloroform	ug/kg	ND(6.5)	J5	ND(6.4)	J5	24	A	ND(5.5)	A
1,2-Dichloroethane	ug/kg	ND(6.5)	J5	ND(6.4)	J5	ND(5.5)	A	ND(5.5)	A
1,1,1-Trichloroethane	ug/kg	ND(6.5)	J5	ND(6.4)	J5	ND(5.5)	A	ND(5.5)	A
Trichloroethene	ug/kg	ND(6.5)	J5	ND(6.4)	J5	13	A	ND(5.5)	A
1,1,2-Trichloroethane	ug/kg	ND(6.5)	J5	ND(6.4)	J5	ND(5.5)	A	ND(5.5)	A
Benzene	ug/kg	ND(6.5)	J5	ND(6.4)	J5	2.8	J	ND(5.5)	A
Tetrachloroethene	ug/kg	ND(6.5)	J5	ND(6.4)	J5	ND(5.5)	A	ND(5.5)	A
Toluene	ug/kg	ND(6.5)	FJ5	ND(6.4)	FJ5	23	F	100	F
Ethyl benzene	ug/kg	ND(6.5)	J5	ND(6.4)	J5	ND(5.5)	A	ND(5.5)	A
Xylenes	ug/kg	ND(6.5)	J5	ND(6.4)	J5	ND(5.5)	A	ND(5.5)	A
CLP-SOC									
Naphthalene	ug/kg	ND(430)	J5	ND(420)	A	ND(720)	J5	ND(370)	A
2-Methylnaphthalene	ug/kg	ND(430)	J5	ND(420)	A	ND(720)	J5	ND(370)	A
Phenanthrene	ug/kg	ND(430)	J5	ND(420)	A	ND(720)	J5	ND(370)	A
Fluoranthene	ug/kg	ND(430)	J5	ND(420)	A	ND(720)	J5	ND(370)	A
Pyrene	ug/kg	ND(430)	J5	ND(420)	A	ND(720)	J5	ND(370)	A
Benzo(a)anthracene	ug/kg	ND(430)	J5	ND(420)	A	ND(720)	J5	ND(370)	A
Chrysene	ug/kg	ND(430)	J5	ND(420)	A	ND(720)	J5	ND(370)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(1400)	U1J5	ND(420)	A	ND(720)	J5	ND(370)	A
Di-n-octylphthalate	ug/kg	ND(430)	J5	ND(420)	A	ND(720)	J5	ND(370)	A
Benzo(b)fluoranthene	ug/kg	ND(430)	J5	ND(420)	A	ND(720)	J5	ND(370)	A
Benzo(k)fluoranthene	ug/kg	ND(430)	J5	ND(420)	A	ND(720)	J5	ND(370)	A
Benzo(a)pyrene	ug/kg	ND(430)	J5	ND(420)	A	ND(720)	J5	ND(370)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(430)	J5	ND(420)	A	ND(720)	J5	ND(370)	A
Dibenzo(a,h)anthracene	ug/kg	ND(430)	J5	ND(420)	A	ND(720)	J5	ND(370)	A
Benzo(ghi)perylene	ug/kg	ND(430)	J5	ND(420)	A	ND(720)	J5	ND(370)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	NA		NA		ND(8.7)	A	ND(8.8)	A
Dieldrin	ug/kg	NA		NA		ND(18)	A	ND(18)	A
4,4'-DDD	ug/kg	NA		NA		ND(18)	A	ND(18)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B021		IR04B021		IR04B022		IR04B022
Sample Depth(feet):		15.50		20.00		1.75		3.75
Sample Number:		9046G482		9046G485		9048N231		9048N232
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/14/90		11/30/90		11/30/90
Lab Sample Number:		68360		68361		69809		69810
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	NA		NA		ND(18)	A	ND(18)	A
Aroclor-1254	ug/kg	NA		NA		ND(180)	A	ND(180)	A
Aroclor-1260	ug/kg	NA		NA		180	A	ND(180)	A
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		310	D	43	A
TPH GAS									
TPH-Gasoline	mg/kg	NA		NA		ND(1.1)	A	ND(1.1)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		2160	A	29.9	J

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B022		IR04B022		IR04B022		IR04B022
Sample Depth(feet):		5.75		10.75		15.75		20.75
Sample Number:		9048N233		9048N234		9048N235		9048N236
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/30/90		11/30/90		11/30/90		11/30/90
Lab Sample Number:		69811		69812		69817		69818
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(6)	A	24	A	22	A	ND(7.8)	A
Acetone	ug/kg	ND(12)	A	ND(11)	A	ND(12)	A	ND(16)	A
Carbon disulfide	ug/kg	ND(6)	A	ND(5.7)	A	ND(6.2)	A	ND(7.8)	A
1,1-Dichloroethane	ug/kg	ND(6)	A	ND(5.7)	A	ND(6.2)	A	ND(7.8)	A
Chloroform	ug/kg	ND(6)	A	ND(5.7)	A	ND(6.2)	A	ND(7.8)	A
1,2-Dichloroethane	ug/kg	ND(6)	A	ND(5.7)	A	ND(6.2)	A	ND(7.8)	A
1,1,1-Trichloroethane	ug/kg	ND(6)	A	ND(5.7)	A	ND(6.2)	A	ND(7.8)	A
Trichloroethene	ug/kg	ND(6)	A	ND(5.7)	A	ND(6.2)	A	ND(7.8)	A
1,1,2-Trichloroethane	ug/kg	ND(6)	A	ND(5.7)	A	ND(6.2)	A	ND(7.8)	A
Benzene	ug/kg	ND(6)	A	ND(5.7)	A	ND(6.2)	A	ND(7.8)	A
Tetrachloroethene	ug/kg	ND(6)	A	ND(5.7)	A	ND(6.2)	A	ND(7.8)	A
Toluene	ug/kg	250	F	230	F	29	F	11	F
Ethyl benzene	ug/kg	ND(6)	A	ND(5.7)	A	ND(6.2)	A	ND(7.8)	A
Xylenes	ug/kg	ND(6)	A	ND(5.7)	A	ND(6.2)	A	ND(7.8)	A
CLP-SOC									
Naphthalene	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
2-Methylnaphthalene	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
Phenanthrene	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
Fluoranthene	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
Pyrene	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
Benzo(a)anthracene	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
Chrysene	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
Di-n-octylphthalate	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
Benzo(b)fluoranthene	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
Benzo(k)fluoranthene	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
Benzo(a)pyrene	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
Dibenzo(a,h)anthracene	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
Benzo(ghi)perylene	ug/kg	ND(390)	A	ND(380)	A	ND(410)	A	ND(510)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(9.5)	A	ND(92)	J3	NA		NA	
Dieldrin	ug/kg	ND(19)	A	ND(180)	J3	NA		NA	
4,4'-DDD	ug/kg	ND(19)	A	ND(180)	J3	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B022		IR04B022		IR04B022		IR04B022
Sample Depth(feet):		5.75		10.75		15.75		20.75
Sample Number:		9048N233		9048N234		9048N235		9048N236
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/30/90		11/30/90		11/30/90		11/30/90
Lab Sample Number:		69811		69812		69817		69818
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)								
4,4'-DDT	ug/kg	ND(19)	A	ND(180)	J3	NA		NA	
Aroclor-1254	ug/kg	ND(190)	A	ND(1800)	J3	NA		NA	
Aroclor-1260	ug/kg	ND(190)	A	ND(1800)	J3	NA		NA	
TPH DIESEL								
TPH-Diesel	mg/kg	57	A	ND(11)	A	NA		NA	
TPH GAS								
TPH-Gasoline	mg/kg	ND(1.2)	J3	ND(1.1)	J3	NA		NA	
OIL & GREASE								
Total Oil & Grease	mg/kg	ND(60)	A	ND(57)	A	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B023		IR04B023		IR04B023		IR04B023
Sample Depth(feet):		1.50		3.50		6.00		11.00
Sample Number:		9046H422		9046H423		9046H424		9046H425
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/14/90		11/14/90		11/14/90
Lab Sample Number:		68364		68365		68366		68367
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.8)	A	ND(6.5)	J5	ND(5.9)	J35	ND(6.4)	A
Acetone	ug/kg	ND(12)	A	ND(13)	J5	ND(12)	J35	ND(13)	A
Carbon disulfide	ug/kg	ND(5.8)	A	ND(6.5)	J5	ND(5.9)	J35	ND(6.4)	A
1,1-Dichloroethane	ug/kg	ND(5.8)	A	ND(6.5)	J5	ND(5.9)	J35	ND(6.4)	A
Chloroform	ug/kg	ND(5.8)	A	ND(6.5)	J5	ND(5.9)	J35	ND(6.4)	A
1,2-Dichloroethane	ug/kg	ND(5.8)	A	ND(6.5)	J5	ND(5.9)	J35	ND(6.4)	A
1,1,1-Trichloroethane	ug/kg	ND(5.8)	A	ND(6.5)	J5	ND(5.9)	J35	ND(6.4)	A
Trichloroethene	ug/kg	ND(5.8)	A	ND(6.5)	J5	ND(5.9)	J35	ND(6.4)	A
1,1,2-Trichloroethane	ug/kg	ND(5.8)	A	ND(6.5)	J5	ND(5.9)	J35	ND(6.4)	A
Benzene	ug/kg	ND(5.8)	A	ND(6.5)	J5	ND(5.9)	J35	ND(6.4)	A
Tetrachloroethene	ug/kg	ND(5.8)	A	ND(6.5)	J5	ND(5.9)	J35	ND(6.4)	A
Toluene	ug/kg	150	F	ND(6.5)	F/J5	14	F/J35	87	F
Ethyl benzene	ug/kg	ND(5.8)	A	ND(6.5)	J5	ND(5.9)	J35	7.3	A
Xylenes	ug/kg	ND(5.8)	A	ND(6.5)	J5	ND(5.9)	J35	14	A
CLP-SOC									
Naphthalene	ug/kg	ND(770)	J5	ND(430)	A	ND(780)	J5	ND(420)	A
2-Methylnaphthalene	ug/kg	ND(770)	J5	ND(430)	A	ND(780)	J5	ND(420)	A
Phenanthrene	ug/kg	ND(770)	J5	ND(430)	A	ND(780)	J5	ND(420)	A
Fluoranthene	ug/kg	ND(770)	J5	ND(430)	A	ND(780)	J5	ND(420)	A
Pyrene	ug/kg	ND(770)	J5	ND(430)	A	ND(780)	J5	ND(420)	A
Benzo(a)anthracene	ug/kg	ND(770)	J5	ND(430)	A	ND(780)	J5	ND(420)	A
Chrysene	ug/kg	ND(770)	J5	ND(430)	A	ND(780)	J5	ND(420)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(780)	U1J5/BD	ND(430)	A	ND(780)	U1J5/BD	ND(420)	A
Di-n-octylphthalate	ug/kg	ND(770)	J5	ND(430)	A	ND(780)	J5	ND(420)	A
Benzo(b)fluoranthene	ug/kg	ND(770)	J5	ND(430)	A	ND(780)	J5	ND(420)	A
Benzo(k)fluoranthene	ug/kg	ND(770)	J5	ND(430)	A	ND(780)	J5	ND(420)	A
Benzo(a)pyrene	ug/kg	ND(770)	J5	ND(430)	A	ND(780)	J5	ND(420)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(770)	J5	ND(430)	A	ND(780)	J5	ND(420)	A
Dibenzo(a,h)anthracene	ug/kg	ND(770)	J5	ND(430)	A	ND(780)	J5	ND(420)	A
Benzo(ghi)perylene	ug/kg	ND(770)	J5	ND(430)	A	ND(780)	J5	ND(420)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(9.3)	J5	ND(10)	A	ND(9.5)	J5	ND(10)	A
Dieldrin	ug/kg	ND(19)	J5	ND(21)	A	ND(19)	J5	ND(21)	A
4,4'-DDD	ug/kg	ND(19)	A	ND(180)	U1/B	ND(19)	A	ND(94)	U1/B

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B023		IR04B023		IR04B023		IR04B023
Sample Depth(feet):		1.50		3.50		6.00		11.00
Sample Number:		9046H422		9046H423		9046H424		9046H425
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/14/90		11/14/90		11/14/90
Lab Sample Number:		68364		68365		68366		68367
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	ND(19)	J3	ND(530)	U1J3/B	ND(19)	J3	ND(300)	J3U1/B
Aroclor-1254	ug/kg	ND(190)	J5	ND(210)	A	ND(190)	J5	ND(210)	A
Aroclor-1260	ug/kg	ND(190)	J5	ND(210)	A	ND(190)	J5	ND(210)	A
TPH DIESEL									
TPH-Diesel	mg/kg	ND(12)	A	ND(13)	A	ND(12)	A	ND(13)	A
TPH GAS									
TPH-Gasoline	mg/kg	ND(1.2)	A	ND(1.3)	A	ND(1.2)	A	ND(1.3)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	106	A	33.5	J	291	A	30.6	J

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B023		IR04B023		IR04B023		IR04B023
Sample Depth(feet):		16.00		21.00		26.00		30.00
Sample Number:		9046H428		9046H429		9046H430		9046H431
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/14/90		11/14/90		11/15/90
Lab Sample Number:		68347		68348		68349		68598
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC								
Methylene chloride	ug/kg	ND(6)	A	ND(8.3)	J35	ND(6.6)	A	ND(6.2)	A
Acetone	ug/kg	ND(12)	A	ND(17)	J35	ND(13)	A	ND(12)	A
Carbon disulfide	ug/kg	ND(6)	A	ND(8.3)	J35	ND(6.6)	A	ND(6.2)	A
1,1-Dichloroethane	ug/kg	ND(6)	A	ND(8.3)	J35	ND(6.6)	A	ND(6.2)	A
Chloroform	ug/kg	ND(6)	A	ND(8.3)	J35	ND(6.6)	A	ND(6.2)	A
1,2-Dichloroethane	ug/kg	ND(6)	A	ND(8.3)	A	ND(6.6)	A	ND(6.2)	A
1,1,1-Trichloroethane	ug/kg	ND(6)	A	ND(8.3)	J35	ND(6.6)	A	ND(6.2)	A
Trichloroethene	ug/kg	ND(6)	A	ND(8.3)	J35	ND(6.6)	A	ND(6.2)	A
1,1,2-Trichloroethane	ug/kg	ND(6)	A	ND(8.3)	A	ND(6.6)	A	ND(6.2)	A
Benzene	ug/kg	ND(6)	A	ND(8.3)	J35	ND(6.6)	A	ND(6.2)	A
Tetrachloroethene	ug/kg	ND(6)	A	ND(8.3)	J35	ND(6.6)	A	ND(6.2)	A
Toluene	ug/kg	4.7	F/J	ND(8.3)	F/J35	39	F	ND(6.2)	F
Ethyl benzene	ug/kg	ND(6)	A	ND(8.3)	J35	ND(6.6)	A	ND(6.2)	A
Xylenes	ug/kg	ND(6)	A	ND(8.3)	J35	ND(6.6)	A	ND(6.2)	A
CLP-SOC								
Naphthalene	ug/kg	ND(400)	A	ND(1090)	J5	ND(880)	J5	ND(410)	A
2-Methylnaphthalene	ug/kg	ND(400)	A	ND(1090)	J5	ND(880)	J5	ND(410)	A
Phenanthrene	ug/kg	ND(400)	A	ND(1090)	J5	ND(880)	J5	ND(410)	A
Fluoranthene	ug/kg	ND(400)	A	ND(1090)	J5	ND(880)	J5	ND(410)	A
Pyrene	ug/kg	ND(400)	A	ND(1090)	J5	ND(880)	J5	ND(410)	A
Benzo(a)anthracene	ug/kg	ND(400)	A	ND(1090)	J5	ND(880)	J5	ND(410)	A
Chrysene	ug/kg	ND(400)	A	ND(1090)	J5	ND(880)	J5	ND(410)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(540)	U1	ND(1200)	U1J5/BJ	ND(880)	U1J5/JB	ND(410)	A
Di-n-octylphthalate	ug/kg	ND(400)	A	ND(1090)	J5	ND(880)	J5	ND(410)	A
Benzo(b)fluoranthene	ug/kg	ND(400)	A	ND(1090)	J5	ND(880)	J5	ND(410)	A
Benzo(k)fluoranthene	ug/kg	ND(400)	A	ND(1090)	J5	ND(880)	J5	ND(410)	A
Benzo(a)pyrene	ug/kg	ND(400)	A	ND(1090)	J5	ND(880)	J5	ND(410)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(400)	A	ND(1090)	J5	ND(880)	J5	ND(410)	A
Dibenzo(a,h)anthracene	ug/kg	ND(400)	A	ND(1090)	J5	ND(880)	J5	ND(410)	A
Benzo(ghi)perylene	ug/kg	ND(400)	A	ND(1090)	J5	ND(880)	J5	ND(410)	A
CLP-PEST/PCB								
Heptachlor epoxide	ug/kg	NA		NA		NA		NA	
Dieldrin	ug/kg	NA		NA		NA		NA	
4,4'-DDD	ug/kg	NA		NA		NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B023		IR04B023		IR04B023		IR04B023
Sample Depth(feet):		16.00		21.00		26.00		30.00
Sample Number:		9046H428		9046H429		9046H430		9046H431
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/14/90		11/14/90		11/15/90
Lab Sample Number:		68347		68348		68349		68598
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)								
4,4'-DDT	ug/kg	NA		NA		NA		NA
Aroclor-1254	ug/kg	NA		NA		NA		NA
Aroclor-1260	ug/kg	NA		NA		NA		NA
TPH DIESEL								
TPH-Diesel	mg/kg	NA		NA		NA		NA
TPH GAS								
TPH-Gasoline	mg/kg	NA		NA		NA		NA
OIL & GREASE								
Total Oil & Grease	mg/kg	NA		NA		NA		NA

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B024		IR04B024		IR04B024		IR04B024
Sample Depth(feet):		0.75		3.75		6.25		11.25
Sample Number:		9049H531		9049H532		9049H533		9049H534
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		12/03/90		12/03/90		12/03/90		12/03/90
Lab Sample Number:		69961		69962		69963		69964
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.2)	A	ND(5.7)	A	ND(6)	A	ND(5.9)	A
Acetone	ug/kg	ND(10)	A	ND(11)	A	ND(12)	A	ND(12)	A
Carbon disulfide	ug/kg	ND(5.2)	A	ND(5.7)	A	ND(6)	A	ND(5.9)	A
1,1-Dichloroethane	ug/kg	ND(5.2)	A	ND(5.7)	A	ND(6)	A	ND(5.9)	A
Chloroform	ug/kg	ND(5.2)	A	ND(5.7)	A	ND(6)	A	ND(5.9)	A
1,2-Dichloroethane	ug/kg	ND(5.2)	A	ND(5.7)	A	ND(6)	A	ND(5.9)	A
1,1,1-Trichloroethane	ug/kg	ND(5.2)	A	ND(5.7)	A	ND(6)	A	ND(5.9)	A
Trichloroethene	ug/kg	ND(5.2)	A	ND(5.7)	A	ND(6)	A	ND(5.9)	A
1,1,2-Trichloroethane	ug/kg	ND(5.2)	A	ND(5.7)	A	ND(6)	A	ND(5.9)	A
Benzene	ug/kg	ND(5.2)	A	ND(5.7)	A	ND(6)	A	ND(5.9)	A
Tetrachloroethene	ug/kg	ND(5.2)	A	ND(5.7)	A	ND(6)	A	ND(5.9)	A
Toluene	ug/kg	87	F	25	F	21	F	ND(5.9)	F
Ethyl benzene	ug/kg	ND(5.2)	A	ND(5.7)	A	ND(6)	A	ND(5.9)	A
Xylenes	ug/kg	ND(5.2)	A	ND(5.7)	A	ND(6)	A	ND(5.9)	A
CLP-SOC									
Naphthalene	ug/kg	ND(350)	A	200	J	ND(390)	A	ND(390)	A
2-Methylnaphthalene	ug/kg	ND(350)	J5	ND(380)	A	ND(390)	A	ND(390)	J5
Phenanthrene	ug/kg	ND(350)	A	650	A	330	J	ND(390)	A
Fluoranthene	ug/kg	ND(350)	A	690	A	400	A	ND(390)	A
Pyrene	ug/kg	ND(350)	A	580	A	390	J	ND(390)	A
Benzo(a)anthracene	ug/kg	ND(350)	A	370	J	200	J	ND(390)	A
Chrysene	ug/kg	ND(350)	A	420	A	220	J	ND(390)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(350)	A	ND(380)	U1/JB	ND(520)	U1	ND(390)	A
Di-n-octylphthalate	ug/kg	ND(350)	A	ND(380)	A	ND(390)	A	ND(390)	A
Benzo(b)fluoranthene	ug/kg	ND(350)	A	360	J	ND(390)	A	ND(390)	A
Benzo(k)fluoranthene	ug/kg	ND(350)	A	200	J	ND(390)	A	ND(390)	A
Benzo(a)pyrene	ug/kg	ND(350)	A	300	J	ND(390)	A	ND(390)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(350)	A	ND(380)	A	ND(390)	A	ND(390)	A
Dibenzo(a,h)anthracene	ug/kg	ND(350)	A	ND(380)	A	ND(390)	A	ND(390)	A
Benzo(ghi)perylene	ug/kg	ND(350)	A	ND(380)	A	ND(390)	A	ND(390)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(8.4)	A	ND(9.2)	A	ND(9.5)	A	ND(9.5)	J5
Dieldrin	ug/kg	ND(17)	A	ND(18)	A	ND(19)	A	ND(19)	J5
4,4'-DDD	ug/kg	ND(17)	A	ND(18)	A	ND(19)	A	ND(19)	J5

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B024		IR04B024		IR04B024		IR04B024
Sample Depth(feet):		0.75		3.75		6.25		11.25
Sample Number:		9049H531		9049H532		9049H533		9049H534
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		12/03/90		12/03/90		12/03/90		12/03/90
Lab Sample Number:		69961		69962		69963		69964
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	ND(17)	A	ND(18)	A	ND(19)	A	ND(19)	J5
Aroclor-1254	ug/kg	ND(170)	A	ND(180)	A	ND(190)	A	ND(190)	J5
Aroclor-1260	ug/kg	650	A	ND(180)	A	ND(190)	A	ND(190)	J5
TPH DIESEL									
TPH-Diesel	mg/kg	170	A	33	A	33	A	80	A
TPH GAS									
TPH-Gasoline	mg/kg	ND(1)	A	ND(1.1)	J3	ND(1.2)	J3	ND(1.2)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	219	A	101	A	44.8	J	48.2	J

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B024		IR04B024		IR04B024		IR04B027
Sample Depth(feet):		16.25		21.25		26.25		1.75
Sample Number:		9049H535		9049H536		9049H537		9048N214
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		12/03/90		12/03/90		12/03/90		11/28/90
Lab Sample Number:		69968		69969		69970		69669
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(6)	A	ND(6.7)	A	ND(7)	J3	ND(6.4)	U1
Acetone	ug/kg	ND(73)	U1	ND(13)	A	ND(14)	J3	ND(12)	A
Carbon disulfide	ug/kg	ND(6)	A	ND(6.7)	A	ND(7)	J3	ND(5.8)	A
1,1-Dichloroethane	ug/kg	ND(6)	A	ND(6.7)	A	ND(7)	J3	ND(5.8)	A
Chloroform	ug/kg	ND(6)	A	ND(6.7)	A	ND(7)	J3	ND(5.8)	A
1,2-Dichloroethane	ug/kg	ND(6)	A	ND(6.7)	A	ND(7)	J3	ND(5.8)	A
1,1,1-Trichloroethane	ug/kg	ND(6)	A	ND(6.7)	A	ND(7)	J3	ND(5.8)	A
Trichloroethene	ug/kg	ND(6)	A	ND(6.7)	A	ND(7)	J3	ND(5.8)	A
1,1,2-Trichloroethane	ug/kg	ND(6)	A	ND(6.7)	A	ND(7)	J3	ND(5.8)	A
Benzene	ug/kg	ND(6)	A	ND(6.7)	A	ND(7)	J3	ND(5.8)	A
Tetrachloroethene	ug/kg	ND(6)	A	ND(6.7)	A	ND(7)	J3	ND(5.8)	A
Toluene	ug/kg	ND(6)	F	ND(6.7)	F	26	FJ3	97	F
Ethyl benzene	ug/kg	ND(6)	A	ND(6.7)	A	ND(7)	J3	ND(5.8)	A
Xylenes	ug/kg	ND(6)	A	ND(6.7)	A	ND(7)	J3	ND(5.8)	A
CLP-SOC									
Naphthalene	ug/kg	ND(400)	A	ND(420)	A	ND(950)	R2	ND(380)	A
2-Methylnaphthalene	ug/kg	ND(400)	A	ND(420)	A	ND(950)	J5R2	ND(380)	A
Phenanthrene	ug/kg	ND(400)	A	ND(420)	A	ND(950)	R2	ND(380)	A
Fluoranthene	ug/kg	ND(400)	A	ND(420)	A	ND(950)	R2	ND(380)	A
Pyrene	ug/kg	ND(400)	A	ND(420)	A	ND(950)	R2	ND(380)	A
Benzo(a)anthracene	ug/kg	ND(400)	A	ND(420)	A	ND(950)	R2	ND(380)	A
Chrysene	ug/kg	ND(400)	A	ND(420)	A	ND(950)	R2	ND(380)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(760)	U1/B	ND(1100)	U1/B	ND(950)	R2	ND(380)	A
Di-n-octylphthalate	ug/kg	ND(400)	A	ND(420)	A	ND(950)	R2	ND(380)	A
Benzo(b)fluoranthene	ug/kg	ND(400)	A	ND(420)	A	ND(950)	R2	ND(380)	A
Benzo(k)fluoranthene	ug/kg	ND(400)	A	ND(420)	A	ND(950)	R2	ND(380)	A
Benzo(a)pyrene	ug/kg	ND(400)	A	ND(420)	A	ND(950)	R2	ND(380)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(400)	A	ND(420)	A	ND(950)	R2	ND(380)	A
Dibenzo(a,h)anthracene	ug/kg	ND(400)	A	ND(420)	A	ND(950)	R2	ND(380)	A
Benzo(ghi)perylene	ug/kg	ND(400)	A	ND(420)	A	ND(950)	R2	ND(380)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	NA		NA		NA		ND(9.2)	J3
Dieldrin	ug/kg	NA		NA		NA		ND(18)	J3
4,4'-DDD	ug/kg	NA		NA		NA		290	J3/B

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B024		IR04B024		IR04B024		IR04B027
Sample Depth(feet):		16.25		21.25		26.25		1.75
Sample Number:		9049H535		9049H536		9049H537		9048N214
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		12/03/90		12/03/90		12/03/90		11/28/90
Lab Sample Number:		69968		69969		69970		69669
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	NA		NA		NA		1200	J3/B
Aroclor-1254	ug/kg	NA		NA		NA		ND(180)	J3
Aroclor-1260	ug/kg	NA		NA		NA		ND(180)	J3
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		NA		300	A
TPH GAS									
TPH-Gasoline	mg/kg	NA		NA		NA		1.5	A
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		NA		245	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B027		IR04B027		IR04B027		IR04B027
Sample Depth(feet):		5.75		10.75		15.75		20.75
Sample Number:		9048N215		9048N216		9048N217		9048N218
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/28/90		11/28/90		11/28/90		11/28/90
Lab Sample Number:		69670		69671		69675		69676
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(29)	A	ND(5.6)	J5	ND(5.9)	A	ND(5.7)	A
Acetone	ug/kg	ND(58)	A	ND(11)	J5	ND(12)	A	ND(11)	A
Carbon disulfide	ug/kg	ND(29)	A	ND(5.6)	J5	ND(5.9)	A	ND(5.7)	A
1,1-Dichloroethane	ug/kg	ND(29)	A	ND(5.6)	J5	ND(5.9)	A	ND(5.7)	A
Chloroform	ug/kg	ND(29)	A	ND(5.6)	J5	ND(5.9)	A	ND(5.7)	A
1,2-Dichloroethane	ug/kg	ND(29)	A	ND(5.6)	J5	ND(5.9)	A	ND(5.7)	A
1,1,1-Trichloroethane	ug/kg	ND(29)	A	ND(5.6)	J5	ND(5.9)	A	ND(5.7)	A
Trichloroethene	ug/kg	ND(29)	A	ND(5.6)	J5	ND(5.9)	A	ND(5.7)	A
1,1,2-Trichloroethane	ug/kg	ND(29)	A	ND(5.6)	J5	ND(5.9)	A	ND(5.7)	A
Benzene	ug/kg	ND(29)	A	ND(5.6)	J5	ND(5.9)	A	7.3	A
Tetrachloroethene	ug/kg	ND(29)	A	ND(5.6)	J5	ND(5.9)	A	ND(5.7)	A
Toluene	ug/kg	190	F/D	ND(5.6)	FJ5	16	F	100	F
Ethyl benzene	ug/kg	ND(29)	A	ND(5.6)	J5	ND(5.9)	A	ND(5.7)	A
Xylenes	ug/kg	ND(29)	A	ND(5.6)	J5	ND(5.9)	A	ND(5.7)	A
CLP-SOC									
Naphthalene	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	ND(380)	A
2-Methylnaphthalene	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	190	J
Phenanthrene	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	ND(380)	A
Fluoranthene	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	ND(380)	A
Pyrene	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	ND(380)	A
Benzo(a)anthracene	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	ND(380)	A
Chrysene	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	ND(380)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	ND(380)	A
Di-n-octylphthalate	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	ND(380)	A
Benzo(b)fluoranthene	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	ND(380)	A
Benzo(k)fluoranthene	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	ND(380)	A
Benzo(a)pyrene	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	ND(380)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	ND(380)	A
Dibenzo(a,h)anthracene	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	ND(380)	A
Benzo(ghi)perylene	ug/kg	ND(390)	A	ND(370)	J5	ND(390)	R2	ND(380)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(9.4)	A	ND(9)	J5	NA		NA	
Dieldrin	ug/kg	ND(19)	A	ND(18)	J5	NA		NA	
4,4'-DDD	ug/kg	180	B	ND(18)	A	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B027		IR04B027		IR04B027		IR04B027
Sample Depth(feet):		5.75		10.75		15.75		20.75
Sample Number:		9048N215		9048N216		9048N217		9048N218
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/28/90		11/28/90		11/28/90		11/28/90
Lab Sample Number:		69670		69671		69675		69676
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)								
4,4'-DDT	ug/kg	ND(500)	U1J35/B	ND(18)	A	NA		NA	
Aroclor-1254	ug/kg	ND(190)	A	ND(180)	J5	NA		NA	
Aroclor-1260	ug/kg	ND(190)	A	ND(180)	J5	NA		NA	
TPH DIESEL								
TPH-Diesel	mg/kg	ND(12)	A	200	A	NA		NA	
TPH GAS								
TPH-Gasoline	mg/kg	ND(1.2)	A	ND(1.1)	A	NA		NA	
OIL & GREASE								
Total Oil & Grease	mg/kg	ND(58)	A	ND(56)	A	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B027		IR04B027A		IR04B027A		IR04B027A
Sample Depth(feet):		30.75		3.00		5.75		10.75
Sample Number:		9048N221		9048N209		9048N210		9048N211
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/29/90		11/28/90		11/28/90		11/28/90
Lab Sample Number:		69819		69672		69673		69674
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(7.6)	A	ND(5.6)	A	ND(5.9)	J5	ND(28)	A
Acetone	ug/kg	ND(15)	A	ND(11)	A	ND(12)	J5	ND(130)	U1/D
Carbon disulfide	ug/kg	ND(7.6)	A	ND(5.6)	A	ND(5.9)	J5	ND(28)	A
1,1-Dichloroethane	ug/kg	ND(7.6)	A	ND(5.6)	A	ND(5.9)	J5	ND(28)	A
Chloroform	ug/kg	ND(7.6)	A	ND(5.6)	A	ND(5.9)	J5	ND(28)	A
1,2-Dichloroethane	ug/kg	ND(7.6)	A	ND(5.6)	A	ND(5.9)	J5	ND(28)	A
1,1,1-Trichloroethane	ug/kg	ND(7.6)	A	ND(5.6)	A	ND(5.9)	J5	ND(28)	A
Trichloroethene	ug/kg	ND(7.6)	A	ND(5.6)	A	ND(5.9)	J5	ND(28)	A
1,1,2-Trichloroethane	ug/kg	ND(7.6)	A	ND(5.6)	A	ND(5.9)	J5	ND(28)	A
Benzene	ug/kg	ND(7.6)	A	ND(5.6)	A	ND(5.9)	J5	ND(28)	A
Tetrachloroethene	ug/kg	ND(7.6)	A	ND(5.6)	A	ND(5.9)	J5	ND(28)	A
Toluene	ug/kg	ND(7.6)	F	25	F	140	FJ5	550	F/D
Ethyl benzene	ug/kg	ND(7.6)	A	ND(5.6)	A	ND(5.9)	J5	ND(28)	A
Xylenes	ug/kg	ND(7.6)	A	ND(5.6)	A	ND(5.9)	J5	ND(28)	A
CLP-SOC									
Naphthalene	ug/kg	ND(500)	A	ND(370)	A	ND(390)	A	ND(370)	A
2-Methylnaphthalene	ug/kg	ND(500)	A	ND(370)	A	ND(390)	A	ND(370)	A
Phenanthrene	ug/kg	ND(500)	A	490	A	ND(390)	A	ND(370)	A
Fluoranthene	ug/kg	ND(500)	A	940	A	ND(390)	A	ND(370)	A
Pyrene	ug/kg	ND(500)	A	880	A	ND(390)	A	ND(370)	A
Benzo(a)anthracene	ug/kg	ND(500)	A	680	A	ND(390)	A	ND(370)	A
Chrysene	ug/kg	ND(500)	A	850	A	ND(390)	A	ND(370)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(500)	A	ND(370)	A	ND(390)	A	ND(370)	A
Di-n-octylphthalate	ug/kg	ND(500)	A	ND(370)	A	ND(390)	A	ND(370)	A
Benzo(b)fluoranthene	ug/kg	ND(500)	A	570	A	ND(390)	A	ND(370)	A
Benzo(k)fluoranthene	ug/kg	ND(500)	A	370	A	ND(390)	A	ND(370)	A
Benzo(a)pyrene	ug/kg	ND(500)	A	390	A	ND(390)	A	ND(370)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(500)	A	ND(370)	A	ND(390)	A	ND(370)	A
Dibenzo(a,h)anthracene	ug/kg	ND(500)	A	ND(370)	A	ND(390)	A	ND(370)	A
Benzo(ghi)perylene	ug/kg	ND(500)	A	ND(370)	A	ND(390)	A	ND(370)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	NA		ND(9)	A	ND(9.4)	A	ND(9)	A
Dieldrin	ug/kg	NA		ND(18)	A	ND(19)	A	ND(18)	A
4,4'-DDD	ug/kg	NA		ND(18)	A	ND(92)	U1/B	ND(18)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B027		IR04B027A		IR04B027A		IR04B027A	
Sample Depth(feet):		30.75		3.00		5.75		10.75	
Sample Number:		9048N221		9048N209		9048N210		9048N211	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/29/90		11/28/90		11/28/90		11/28/90	
Lab Sample Number:		69819		69672		69673		69674	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	NA		ND(59)	U1J3/B	ND(380)	U1J3/B	ND(400)	U1J3/B
Aroclor-1254	ug/kg	NA		ND(180)	A	ND(190)	A	ND(180)	A
Aroclor-1260	ug/kg	NA		ND(180)	A	ND(190)	A	ND(180)	A
TPH DIESEL									
TPH-Diesel	mg/kg	NA		110	A	ND(12)	A	ND(11)	A
TPH GAS									
TPH-Gasoline	mg/kg	NA		1.8	A	ND(1.2)	A	ND(1.1)	J3
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		161	A	34.1	J	ND(56)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B027A		IR04B027A		IR04B029		IR04B029
Sample Depth(feet):		15.75		20.75		1.00		2.50
Sample Number:		9048N212		9048N213		9048N193		9048N194
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/28/90		11/28/90		11/27/90		11/27/90
Lab Sample Number:		69677		69678		69459		69460
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.8)	J5	ND(5.6)	J5	ND(5.4)	U1	ND(5.3)	U1
Acetone	ug/kg	ND(12)	J5	ND(11)	J5	ND(11)	A	ND(11)	A
Carbon disulfide	ug/kg	ND(5.8)	J5	ND(5.6)	J5	ND(5.4)	A	ND(5.3)	A
1,1-Dichloroethane	ug/kg	ND(5.8)	J5	ND(5.6)	J5	ND(5.4)	A	ND(5.3)	A
Chloroform	ug/kg	ND(5.8)	J5	ND(5.6)	J5	ND(5.4)	A	ND(5.3)	A
1,2-Dichloroethane	ug/kg	ND(5.8)	J5	ND(5.6)	J5	ND(5.4)	A	ND(5.3)	A
1,1,1-Trichloroethane	ug/kg	ND(5.8)	J5	ND(5.6)	J5	ND(5.6)	U1	ND(9.4)	U1
Trichloroethene	ug/kg	ND(5.8)	J5	ND(5.6)	J5	ND(5.4)	A	ND(5.3)	A
1,1,2-Trichloroethane	ug/kg	ND(5.8)	J5	ND(5.6)	J5	ND(5.4)	A	ND(5.3)	A
Benzene	ug/kg	ND(5.8)	J5	27	J5	ND(5.4)	A	ND(5.3)	A
Tetrachloroethene	ug/kg	ND(5.8)	J5	ND(5.6)	J5	ND(5.4)	A	ND(5.3)	A
Toluene	ug/kg	85	FJ5	37	FJ5	110	F	87	F
Ethyl benzene	ug/kg	ND(5.8)	J5	ND(5.6)	J5	ND(5.4)	A	ND(5.3)	A
Xylenes	ug/kg	ND(5.8)	J5	ND(5.6)	J5	ND(5.4)	A	ND(5.3)	A
CLP-SOC									
Naphthalene	ug/kg	ND(380)	A	350	J	ND(720)	A	ND(350)	A
2-Methylnaphthalene	ug/kg	ND(380)	A	ND(370)	A	ND(720)	A	ND(350)	A
Phenanthrene	ug/kg	ND(380)	A	ND(370)	A	ND(720)	A	ND(350)	A
Fluoranthene	ug/kg	ND(380)	A	ND(370)	A	ND(720)	A	ND(350)	A
Pyrene	ug/kg	ND(380)	A	ND(370)	A	ND(720)	A	ND(350)	A
Benzo(a)anthracene	ug/kg	ND(380)	A	ND(370)	A	ND(720)	A	ND(350)	A
Chrysene	ug/kg	ND(380)	A	ND(370)	A	ND(720)	A	ND(350)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(380)	A	ND(370)	A	ND(950)	U1/D	ND(390)	U1
Di-n-octylphthalate	ug/kg	ND(380)	A	ND(370)	A	ND(720)	A	ND(350)	A
Benzo(b)fluoranthene	ug/kg	ND(380)	A	ND(370)	A	ND(720)	A	ND(350)	A
Benzo(k)fluoranthene	ug/kg	ND(380)	A	ND(370)	A	ND(720)	A	ND(350)	A
Benzo(a)pyrene	ug/kg	ND(380)	A	ND(370)	A	ND(720)	A	ND(350)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(380)	A	ND(370)	A	ND(720)	A	ND(350)	A
Dibenzo(a,h)anthracene	ug/kg	ND(380)	A	ND(370)	A	ND(720)	A	ND(350)	A
Benzo(ghi)perylene	ug/kg	ND(380)	A	ND(370)	A	ND(720)	A	ND(350)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	NA		NA		ND(8.7)	J3	ND(8.6)	A
Dieldrin	ug/kg	NA		NA		ND(17)	J3	ND(17)	A
4,4'-DDD	ug/kg	NA		NA		ND(17)	J3	ND(17)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B027A		IR04B027A		IR04B029		IR04B029
Sample Depth(feet):		15.75		20.75		1.00		2.50
Sample Number:		9048N212		9048N213		9048N193		9048N194
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/28/90		11/28/90		11/27/90		11/27/90
Lab Sample Number:		69677		69678		69459		69460
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	NA		NA		ND(17)	J3	ND(17)	A
Aroclor-1254	ug/kg	NA		NA		ND(170)	J3	ND(170)	A
Aroclor-1260	ug/kg	NA		NA		1200	J3	ND(170)	A
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		190	A	ND(11)	A
TPH GAS									
TPH-Gasoline	mg/kg	NA		NA		ND(1.1)	A	ND(1.1)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		1120	A	ND(53)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B029		IR04B029		IR04B029		IR04B029
Sample Depth(feet):		5.50		10.50		15.50		20.50
Sample Number:		9048N195		9048N196		9048N197		9048N198
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/27/90		11/27/90		11/27/90		11/27/90
Lab Sample Number:		69461		69462		69470		69471
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.4)	U1	ND(1900)	U1J5/D	ND(5.8)	A	ND(5.8)	A
Acetone	ug/kg	ND(11)	A	ND(1400)	J5	ND(12)	A	ND(12)	A
Carbon disulfide	ug/kg	ND(5.4)	A	ND(720)	J5	ND(5.8)	A	ND(5.8)	A
1,1-Dichloroethane	ug/kg	ND(5.4)	A	5500	J5/D	ND(5.8)	A	ND(5.8)	A
Chloroform	ug/kg	ND(5.4)	A	ND(720)	J5	ND(5.8)	A	ND(5.8)	A
1,2-Dichloroethane	ug/kg	ND(5.4)	A	1100	J5/D	ND(5.8)	A	ND(5.8)	A
1,1,1-Trichloroethane	ug/kg	ND(5.4)	U1/J	45000	J5/DE	ND(5.8)	A	ND(5.8)	A
Trichloroethene	ug/kg	ND(5.4)	A	ND(720)	J5	ND(5.8)	A	ND(5.8)	A
1,1,2-Trichloroethane	ug/kg	ND(5.4)	A	ND(720)	J5	ND(5.8)	A	ND(5.8)	A
Benzene	ug/kg	ND(5.4)	A	ND(720)	J5	ND(5.8)	A	ND(5.8)	A
Tetrachloroethene	ug/kg	ND(5.4)	A	ND(720)	J5	ND(5.8)	A	ND(5.8)	A
Toluene	ug/kg	16	F	1000	FJ5/D	26	F	16	F
Ethyl benzene	ug/kg	ND(5.4)	A	ND(720)	J5	ND(5.8)	A	ND(5.8)	A
Xylenes	ug/kg	ND(5.4)	A	ND(720)	J5	ND(5.8)	A	ND(5.8)	A
CLP-SOC									
Naphthalene	ug/kg	ND(360)	A	ND(380)	A	ND(390)	A	ND(380)	A
2-Methylnaphthalene	ug/kg	ND(360)	A	ND(380)	A	ND(390)	A	ND(380)	A
Phenanthrene	ug/kg	ND(360)	A	ND(380)	A	ND(390)	A	ND(380)	A
Fluoranthene	ug/kg	ND(360)	A	ND(380)	A	ND(390)	A	ND(380)	A
Pyrene	ug/kg	ND(360)	A	ND(380)	A	ND(390)	A	ND(380)	A
Benzo(a)anthracene	ug/kg	ND(360)	A	ND(380)	A	ND(390)	A	ND(380)	A
Chrysene	ug/kg	ND(360)	A	ND(380)	A	ND(390)	A	ND(380)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(360)	U1/J	ND(520)	U1	ND(670)	U1	ND(630)	U1
Di-n-octylphthalate	ug/kg	ND(360)	A	ND(380)	A	ND(390)	A	ND(380)	A
Benzo(b)fluoranthene	ug/kg	ND(360)	A	ND(380)	A	ND(390)	A	ND(380)	A
Benzo(k)fluoranthene	ug/kg	ND(360)	A	ND(380)	A	ND(390)	A	ND(380)	A
Benzo(a)pyrene	ug/kg	ND(360)	A	ND(380)	A	ND(390)	A	ND(380)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(360)	A	ND(380)	A	ND(390)	A	ND(380)	A
Dibenzo(a,h)anthracene	ug/kg	ND(360)	A	ND(380)	A	ND(390)	A	ND(380)	A
Benzo(ghi)perylene	ug/kg	ND(360)	A	ND(380)	A	ND(390)	A	ND(380)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(8.7)	A	ND(9.3)	A	NA		NA	
Dieldrin	ug/kg	ND(17)	A	ND(19)	A	NA		NA	
4,4'-DDD	ug/kg	ND(17)	A	ND(19)	A	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B029		IR04B029		IR04B029		IR04B029
Sample Depth(feet):		5.50		10.50		15.50		20.50
Sample Number:		9048N195		9048N196		9048N197		9048N198
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/27/90		11/27/90		11/27/90		11/27/90
Lab Sample Number:		69461		69462		69470		69471
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)								
4,4'-DDT	ug/kg	ND(17)	A	ND(19)	A	NA		NA	
Aroclor-1254	ug/kg	ND(170)	A	ND(190)	A	NA		NA	
Aroclor-1260	ug/kg	ND(170)	A	ND(190)	A	NA		NA	
TPH DIESEL								
TPH-Diesel	mg/kg	ND(11)	A	ND(12)	A	NA		NA	
TPH GAS								
TPH-Gasoline	mg/kg	ND(1.1)	A	ND(1.2)	A	NA		NA	
OIL & GREASE								
Total Oil & Grease	mg/kg	29.9	J	ND(58)	A	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B029		IR04B029		IR04B033		IR04B033
Sample Depth(feet):		30.50		35.50		0.50		3.50
Sample Number:		9048N200		9048N201		9046H432		9046H433
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/27/90		11/27/90		11/15/90		11/15/90
Lab Sample Number:		69472		69473		68604		68605
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.8)	J5	ND(8.3)	A	ND(5.2)	J5	ND(27)	J5
Acetone	ug/kg	ND(12)	J5	ND(17)	A	ND(10)	J5	ND(55)	J5
Carbon disulfide	ug/kg	ND(5.8)	J5	11	A	ND(5.2)	J5	ND(27)	J5
1,1-Dichloroethane	ug/kg	ND(5.8)	J5	ND(8.3)	A	ND(5.2)	J5	ND(27)	J5
Chloroform	ug/kg	ND(5.8)	J5	ND(8.3)	A	ND(5.2)	J5	ND(27)	J5
1,2-Dichloroethane	ug/kg	ND(5.8)	J5	ND(8.3)	A	ND(5.2)	J5	ND(27)	J5
1,1,1-Trichloroethane	ug/kg	ND(5.8)	J5	ND(8.3)	A	ND(5.2)	J5	ND(27)	J5
Trichloroethene	ug/kg	ND(5.8)	J5	ND(8.3)	A	ND(5.2)	J5	ND(27)	J5
1,1,2-Trichloroethane	ug/kg	ND(5.8)	J5	ND(8.3)	A	ND(5.2)	J5	ND(27)	J5
Benzene	ug/kg	ND(5.8)	J5	ND(8.3)	A	ND(5.2)	J5	ND(27)	J5
Tetrachloroethene	ug/kg	ND(5.8)	J5	ND(8.3)	A	ND(5.2)	J5	78	J5/D
Toluene	ug/kg	110	FJ5	190	F	20	FJ5	76	FJ5/D
Ethyl benzene	ug/kg	ND(5.8)	J5	ND(8.3)	A	ND(5.2)	J5	ND(27)	J5
Xylenes	ug/kg	ND(5.8)	J5	ND(8.3)	A	ND(5.2)	J5	ND(27)	J5
CLP-SOC									
Naphthalene	ug/kg	ND(380)	A	ND(550)	A	260	J5/J	ND(360)	A
2-Methylnaphthalene	ug/kg	ND(380)	A	ND(550)	A	ND(340)	J5	ND(360)	A
Phenanthrene	ug/kg	ND(380)	A	ND(550)	A	860	J5	ND(360)	A
Fluoranthene	ug/kg	ND(380)	A	ND(550)	A	920	J5/J	ND(360)	A
Pyrene	ug/kg	ND(380)	A	ND(550)	A	1000	J5	ND(360)	A
Benzo(a)anthracene	ug/kg	ND(380)	A	ND(550)	A	270	J5/J	ND(360)	A
Chrysene	ug/kg	ND(380)	A	ND(550)	A	310	J5/J	ND(360)	A
Bis(2-ethylhexyl)phthalate	ug/kg	250	J	380	J	ND(340)	J5	ND(360)	A
Di-n-octylphthalate	ug/kg	ND(380)	A	ND(550)	A	ND(340)	J5	ND(360)	A
Benzo(b)fluoranthene	ug/kg	ND(380)	A	ND(550)	A	410	J5	ND(360)	A
Benzo(k)fluoranthene	ug/kg	ND(380)	A	ND(550)	A	280	J5/J	ND(360)	A
Benzo(a)pyrene	ug/kg	ND(380)	A	ND(550)	A	460	J5	ND(360)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(380)	A	ND(550)	A	410	J5	ND(360)	A
Dibenzo(a,h)anthracene	ug/kg	ND(380)	A	ND(550)	A	ND(340)	J5	ND(360)	A
Benzo(ghi)perylene	ug/kg	ND(380)	A	ND(550)	A	550	J5	ND(360)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	NA		NA		290	D	ND(8.7)	A
Dieldrin	ug/kg	NA		NA		89	D	ND(17)	A
4,4'-DDD	ug/kg	NA		NA		ND(33)	A	ND(17)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B029		IR04B029		IR04B033		IR04B033
Sample Depth(feet):		30.50		35.50		0.50		3.50
Sample Number:		9048N200		9048N201		9046H432		9046H433
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/27/90		11/27/90		11/15/90		11/15/90
Lab Sample Number:		69472		69473		68604		68605
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	NA		NA		ND(33)	A	ND(17)	A
Aroclor-1254	ug/kg	NA		NA		ND(330)	J5	380	J5
Aroclor-1260	ug/kg	NA		NA		ND(330)	A	ND(170)	A
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		300	D	35	A
TPH GAS									
TPH-Gasoline	mg/kg	NA		NA		ND(1)	A	ND(1.1)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		465	A	263	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B033		IR04B033		IR04B033		IR04B033
Sample Depth(feet):		6.00		11.00		16.00		21.00
Sample Number:		9046H434		9046H435		9046H436		9046H440
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/15/90		11/15/90		11/15/90		11/15/90
Lab Sample Number:		68606		68607		68599		68600
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.4)	J3	ND(5.6)	A	ND(5.8)	A	ND(6.4)	A
Acetone	ug/kg	ND(11)	U1J3/J	ND(11)	A	ND(12)	A	ND(13)	A
Carbon disulfide	ug/kg	ND(5.4)	J3	ND(5.6)	A	ND(5.8)	A	ND(6.4)	A
1,1-Dichloroethane	ug/kg	ND(5.4)	J3	ND(5.6)	A	8.6	A	ND(6.4)	A
Chloroform	ug/kg	ND(5.4)	J3	ND(5.6)	A	ND(5.8)	A	ND(6.4)	A
1,2-Dichloroethane	ug/kg	ND(5.4)	J3	ND(5.6)	A	ND(5.8)	A	ND(6.4)	A
1,1,1-Trichloroethane	ug/kg	20	J3	13	A	29	A	ND(6.4)	A
Trichloroethene	ug/kg	27	J3	ND(5.6)	A	ND(5.8)	A	24	A
1,1,2-Trichloroethane	ug/kg	ND(5.4)	J3	ND(5.6)	A	65	A	ND(6.4)	A
Benzene	ug/kg	ND(5.4)	J3	ND(5.6)	A	ND(5.8)	A	ND(6.4)	A
Tetrachloroethene	ug/kg	ND(5.4)	J3	330	A	390	A	31	A
Toluene	ug/kg	160	FJ3	92	F	60	F	88	F
Ethyl benzene	ug/kg	ND(5.4)	J3	ND(5.6)	A	ND(5.8)	A	ND(6.4)	A
Xylenes	ug/kg	ND(5.4)	J3	ND(5.6)	A	ND(5.8)	A	ND(6.4)	A
CLP-SOC									
Naphthalene	ug/kg	ND(350)	A	ND(370)	A	ND(380)	A	ND(420)	A
2-Methylnaphthalene	ug/kg	ND(350)	A	ND(370)	A	ND(380)	A	ND(420)	A
Phenanthrene	ug/kg	ND(350)	A	ND(370)	A	ND(380)	A	ND(420)	A
Fluoranthene	ug/kg	ND(350)	A	ND(370)	A	ND(380)	A	ND(420)	A
Pyrene	ug/kg	ND(350)	A	ND(370)	A	ND(380)	A	ND(420)	A
Benzo(a)anthracene	ug/kg	ND(350)	A	ND(370)	A	ND(380)	A	ND(420)	A
Chrysene	ug/kg	ND(350)	A	ND(370)	A	ND(380)	A	ND(420)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(350)	A	ND(410)	U1	ND(380)	A	ND(420)	A
Di-n-octylphthalate	ug/kg	ND(350)	A	ND(370)	A	ND(380)	A	ND(420)	A
Benzo(b)fluoranthene	ug/kg	ND(350)	A	ND(370)	A	ND(380)	A	ND(420)	A
Benzo(k)fluoranthene	ug/kg	ND(350)	A	ND(370)	A	ND(380)	A	ND(420)	A
Benzo(a)pyrene	ug/kg	ND(350)	A	ND(370)	A	ND(380)	A	ND(420)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(350)	A	ND(370)	A	ND(380)	A	ND(420)	A
Dibenzo(a,h)anthracene	ug/kg	ND(350)	A	ND(370)	A	ND(380)	A	ND(420)	A
Benzo(ghi)perylene	ug/kg	ND(350)	A	ND(370)	A	ND(380)	A	ND(420)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(8.6)	A	ND(18)	A	NA		NA	
Dieldrin	ug/kg	ND(17)	A	ND(36)	A	NA		NA	
4,4'-DDD	ug/kg	ND(17)	A	ND(36)	A	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B033		IR04B033		IR04B033		IR04B033
Sample Depth(feet):		6.00		11.00		16.00		21.00
Sample Number:		9046H434		9046H435		9046H436		9046H440
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/15/90		11/15/90		11/15/90		11/15/90
Lab Sample Number:		68606		68607		68599		68600
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)								
4,4'-DDT	ug/kg	ND(17)	A	ND(36)	A	NA		NA	
Aroclor-1254	ug/kg	ND(170)	J5	ND(360)	J5	NA		NA	
Aroclor-1260	ug/kg	ND(170)	A	470	J3/D	NA		NA	
TPH DIESEL								
TPH-Diesel	mg/kg	ND(11)	A	53	A	NA		NA	
TPH GAS								
TPH-Gasoline	mg/kg	ND(1.1)	A	ND(1.1)	A	NA		NA	
OIL & GREASE								
Total Oil & Grease	mg/kg	107	A	54.3	J	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B033		IR04B033		IR04B033		IR04B042
Sample Depth(feet):		26.00		31.00		36.00		1.50
Sample Number:		9046H441		9046H442		9046H443		9046H444
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/15/90		11/15/90		11/15/90		11/16/90
Lab Sample Number:		68601		68602		68603		68608
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.7)	A	ND(5.7)	J5	ND(7.5)	A	ND(5.5)	A
Acetone	ug/kg	ND(11)	A	ND(11)	J5	ND(15)	A	ND(11)	A
Carbon disulfide	ug/kg	ND(5.7)	A	ND(5.7)	J5	ND(7.5)	A	ND(5.5)	A
1,1-Dichloroethane	ug/kg	ND(5.7)	A	ND(5.7)	J5	ND(7.5)	A	ND(5.5)	A
Chloroform	ug/kg	ND(5.7)	A	ND(5.7)	J5	ND(7.5)	A	ND(5.5)	A
1,2-Dichloroethane	ug/kg	ND(5.7)	A	ND(5.7)	J5	ND(7.5)	A	ND(5.5)	A
1,1,1-Trichloroethane	ug/kg	ND(5.7)	A	ND(5.7)	J5	ND(7.5)	A	ND(5.5)	A
Trichloroethene	ug/kg	ND(5.7)	A	ND(5.7)	J5	ND(7.5)	A	ND(5.5)	A
1,1,2-Trichloroethane	ug/kg	ND(5.7)	A	ND(5.7)	J5	ND(7.5)	A	ND(5.5)	A
Benzene	ug/kg	ND(5.7)	A	ND(5.7)	J5	ND(7.5)	A	ND(5.5)	A
Tetrachloroethene	ug/kg	ND(5.7)	A	ND(5.7)	J5	ND(7.5)	A	ND(5.5)	A
Toluene	ug/kg	7.7	F	20	FJ5	200	F	33	F
Ethyl benzene	ug/kg	ND(5.7)	A	ND(5.7)	J5	ND(7.5)	A	ND(5.5)	A
Xylenes	ug/kg	ND(5.7)	A	ND(5.7)	J5	ND(7.5)	A	ND(5.5)	A
CLP-SOC									
Naphthalene	ug/kg	ND(380)	A	ND(380)	A	ND(490)	A	ND(730)	J5
2-Methylnaphthalene	ug/kg	ND(380)	A	ND(380)	A	ND(490)	A	ND(730)	J5
Phenanthrene	ug/kg	ND(380)	A	ND(380)	A	ND(490)	A	ND(730)	J5
Fluoranthene	ug/kg	ND(380)	A	ND(380)	A	ND(490)	A	ND(730)	J5
Pyrene	ug/kg	ND(380)	A	ND(380)	A	ND(490)	A	ND(730)	J5
Benzo(a)anthracene	ug/kg	ND(380)	A	ND(380)	A	ND(490)	A	ND(730)	J5
Chrysene	ug/kg	ND(380)	A	ND(380)	A	ND(490)	A	ND(730)	J5
Bis(2-ethylhexyl)phthalate	ug/kg	ND(380)	A	ND(410)	U1	ND(920)	U1	ND(1600)	U1J5/D
Di-n-octylphthalate	ug/kg	ND(380)	A	ND(380)	A	ND(490)	A	ND(730)	J5
Benzo(b)fluoranthene	ug/kg	ND(380)	A	ND(380)	A	ND(490)	A	ND(730)	J5
Benzo(k)fluoranthene	ug/kg	ND(380)	A	ND(380)	A	ND(490)	A	ND(730)	J5
Benzo(a)pyrene	ug/kg	ND(380)	A	ND(380)	A	ND(490)	A	ND(730)	J5
Indeno(1,2,3-cd)pyrene	ug/kg	ND(380)	A	ND(380)	A	ND(490)	A	ND(730)	J5
Dibenzo(a,h)anthracene	ug/kg	ND(380)	A	ND(380)	A	ND(490)	A	ND(730)	J5
Benzo(ghi)perylene	ug/kg	ND(380)	A	ND(380)	A	ND(490)	A	ND(730)	J5
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	NA		NA		NA		ND(8.9)	J5
Dieldrin	ug/kg	NA		NA		NA		ND(18)	J5
4,4'-DDD	ug/kg	NA		NA		NA		ND(18)	J5

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B033		IR04B033		IR04B033		IR04B042
Sample Depth(feet):		26.00		31.00		36.00		1.50
Sample Number:		9046H441		9046H442		9046H443		9046H444
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/15/90		11/15/90		11/15/90		11/16/90
Lab Sample Number:		68601		68602		68603		68608
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	NA		NA		NA		ND(81)	U1J5/B
Aroclor-1254	ug/kg	NA		NA		NA		ND(180)	J5
Aroclor-1260	ug/kg	NA		NA		NA		ND(180)	J5
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		NA		490	D
TPH GAS									
TPH-Gasoline	mg/kg	NA		NA		NA		ND(1.1)	J5
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		NA		322	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B042		IR04B042		IR04B042		IR04B042
Sample Depth(feet):		3.00		6.00		11.50		16.00
Sample Number:		9046H445		9046H446		9046H447		9046H448
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/16/90		11/16/90		11/16/90		11/16/90
Lab Sample Number:		68609		68610		68611		68612
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.4)	A	ND(5.5)	J5	ND(12)	U1	ND(5.7)	A
Acetone	ug/kg	ND(11)	A	ND(11)	J5	ND(12)	A	ND(11)	A
Carbon disulfide	ug/kg	ND(5.4)	A	ND(5.5)	J5	ND(5.9)	A	ND(5.7)	A
1,1-Dichloroethane	ug/kg	ND(5.4)	A	ND(5.5)	J5	ND(5.9)	A	ND(5.7)	A
Chloroform	ug/kg	ND(5.4)	A	ND(5.5)	J5	ND(5.9)	A	ND(5.7)	A
1,2-Dichloroethane	ug/kg	ND(5.4)	A	ND(5.5)	J5	ND(5.9)	A	ND(5.7)	A
1,1,1-Trichloroethane	ug/kg	ND(5.4)	A	ND(5.5)	J5	ND(5.9)	A	ND(5.7)	A
Trichloroethene	ug/kg	ND(5.4)	A	ND(5.5)	J5	ND(5.9)	A	ND(5.7)	A
1,1,2-Trichloroethane	ug/kg	ND(5.4)	A	ND(5.5)	A	ND(5.9)	A	ND(5.7)	A
Benzene	ug/kg	ND(5.4)	A	ND(5.5)	J5	ND(5.9)	A	ND(5.7)	A
Tetrachloroethene	ug/kg	ND(5.4)	A	ND(5.5)	J5	ND(5.9)	A	ND(5.7)	A
Toluene	ug/kg	130	F	ND(5.5)	FU1J5/J	26	F	170	F
Ethyl benzene	ug/kg	ND(5.4)	A	ND(5.5)	J5	ND(5.9)	A	ND(5.7)	A
Xylenes	ug/kg	ND(5.4)	A	ND(5.5)	J5	ND(5.9)	A	ND(5.7)	A
CLP-SOC									
Naphthalene	ug/kg	ND(360)	A	ND(730)	J5	ND(390)	J35	ND(370)	A
2-Methylnaphthalene	ug/kg	ND(360)	A	ND(730)	J5	ND(390)	J35	ND(370)	A
Phenanthrene	ug/kg	ND(360)	A	ND(730)	J5	ND(390)	J35	ND(370)	A
Fluoranthene	ug/kg	ND(360)	A	ND(730)	J5	ND(390)	J35	ND(370)	A
Pyrene	ug/kg	ND(360)	A	ND(730)	J5	ND(390)	J35	ND(370)	A
Benzo(a)anthracene	ug/kg	ND(360)	A	ND(730)	J5	ND(390)	J35	ND(370)	A
Chrysene	ug/kg	ND(360)	A	ND(730)	J5	ND(390)	J35	ND(370)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(360)	A	ND(1300)	U1J5/D	ND(390)	U1J35/J	ND(370)	A
Di-n-octylphthalate	ug/kg	ND(360)	A	ND(730)	J5	ND(390)	J35	ND(370)	A
Benzo(b)fluoranthene	ug/kg	ND(360)	A	ND(730)	J5	ND(390)	J35	ND(370)	A
Benzo(k)fluoranthene	ug/kg	ND(360)	A	ND(730)	J5	ND(390)	J35	ND(370)	A
Benzo(a)pyrene	ug/kg	ND(360)	A	ND(730)	J5	ND(390)	J35	ND(370)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(360)	A	ND(730)	J5	ND(390)	J35	ND(370)	A
Dibenzo(a,h)anthracene	ug/kg	ND(360)	A	ND(730)	J5	ND(390)	J35	ND(370)	A
Benzo(ghi)perylene	ug/kg	ND(360)	A	ND(730)	J5	ND(390)	J35	ND(370)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(86)	J5	ND(8.8)	J5	ND(9.4)	J5	NA	
Dieldrin	ug/kg	ND(170)	J5	ND(18)	J5	ND(19)	J5	NA	
4,4'-DDD	ug/kg	ND(170)	J5	ND(18)	J5	ND(19)	J5	NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B042		IR04B042		IR04B042		IR04B042
Sample Depth(feet):		3.00		6.00		11.50		16.00
Sample Number:		9046H445		9046H446		9046H447		9046H448
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/16/90		11/16/90		11/16/90		11/16/90
Lab Sample Number:		68609		68610		68611		68612
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	ND(170)	J5	ND(160)	U1J5/B	ND(200)	U1J5/B	NA	
Aroclor-1254	ug/kg	ND(1700)	J5	ND(180)	J5	ND(190)	J5	NA	
Aroclor-1260	ug/kg	ND(1700)	J5	ND(180)	J5	ND(190)	J5	NA	
TPH DIESEL									
TPH-Diesel	mg/kg	61	A	140	A	220	A	NA	
TPH GAS									
TPH-Gasoline	mg/kg	ND(1.1)	J5	7.5	J5	ND(1.2)	A	NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	116	A	308	A	263	A	NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B042		IR04B042		IR04MW09A		IR04MW09A
Sample Depth(feet):		21.00		26.00		2.50		4.00
Sample Number:		9046H449		9046H450		9046H414		9046H415
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/16/90		11/16/90		11/13/90		11/13/90
Lab Sample Number:		68613		68614		68206		68207
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(7.5)	J35	ND(7.5)	A	ND(57)	U1/B	ND(5.9)	J35
Acetone	ug/kg	ND(15)	J35	ND(15)	A	ND(11)	A	ND(12)	J35
Carbon disulfide	ug/kg	9.2	J35	ND(7.5)	A	ND(5.3)	A	ND(5.9)	J35
1,1-Dichloroethane	ug/kg	ND(7.5)	J35	ND(7.5)	A	ND(5.3)	A	ND(5.9)	J35
Chloroform	ug/kg	ND(7.5)	J35	ND(7.5)	A	ND(5.3)	A	ND(5.9)	J35
1,2-Dichloroethane	ug/kg	ND(7.5)	J5	ND(7.5)	A	ND(5.3)	A	ND(5.9)	J35
1,1,1-Trichloroethane	ug/kg	ND(7.5)	J5	ND(7.5)	A	ND(5.3)	A	ND(5.9)	J35
Trichloroethene	ug/kg	ND(7.5)	J35	ND(7.5)	A	ND(5.3)	A	ND(5.9)	J35
1,1,2-Trichloroethane	ug/kg	ND(7.5)	J5	ND(7.5)	A	ND(5.3)	A	ND(5.9)	J35
Benzene	ug/kg	ND(7.5)	J35	ND(7.5)	A	ND(5.3)	A	ND(5.9)	J35
Tetrachloroethene	ug/kg	ND(7.5)	J35	ND(7.5)	A	ND(5.3)	A	ND(5.9)	J35
Toluene	ug/kg	400	FJ35	62	F	83	F	ND(17)	U1J35
Ethyl benzene	ug/kg	ND(7.5)	J35	ND(7.5)	A	ND(5.3)	A	ND(5.9)	J35
Xylenes	ug/kg	ND(7.5)	J35	ND(7.5)	A	ND(5.3)	A	ND(5.9)	J35
CLP-SOC									
Naphthalene	ug/kg	ND(990)	A	ND(500)	A	ND(690)	J5	ND(780)	J5
2-Methylnaphthalene	ug/kg	ND(990)	A	ND(500)	A	ND(690)	J5	ND(780)	J5
Phenanthrene	ug/kg	ND(990)	A	ND(500)	A	ND(690)	J5	ND(780)	J5
Fluoranthene	ug/kg	ND(990)	A	ND(500)	A	ND(690)	J5	ND(780)	J5
Pyrene	ug/kg	ND(990)	A	ND(500)	A	ND(690)	J5	ND(780)	J5
Benzo(a)anthracene	ug/kg	ND(990)	A	ND(500)	A	ND(690)	J5	ND(780)	J5
Chrysene	ug/kg	ND(990)	A	ND(500)	A	ND(690)	J5	ND(780)	J5
Bis(2-ethylhexyl)phthalate	ug/kg	ND(990)	A	ND(500)	A	ND(2000)	U1/BD	ND(1600)	U1/BD
Di-n-octylphthalate	ug/kg	ND(990)	A	ND(500)	A	ND(690)	J5	ND(780)	J5
Benzo(b)fluoranthene	ug/kg	ND(990)	A	ND(500)	A	ND(690)	J5	ND(780)	J5
Benzo(k)fluoranthene	ug/kg	ND(990)	A	ND(500)	A	ND(690)	J5	ND(780)	J5
Benzo(a)pyrene	ug/kg	ND(990)	A	ND(500)	A	ND(690)	J5	ND(780)	J5
Indeno(1,2,3-cd)pyrene	ug/kg	ND(990)	A	ND(500)	A	ND(690)	J5	ND(780)	J5
Dibenzo(a,h)anthracene	ug/kg	ND(990)	A	ND(500)	A	ND(690)	J5	ND(780)	J5
Benzo(ghi)perylene	ug/kg	ND(990)	A	ND(500)	A	ND(690)	J5	ND(780)	J5
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	NA		NA		ND(8.4)	J5	ND(9.4)	A
Dieldrin	ug/kg	NA		NA		ND(17)	J5	ND(19)	A
4,4'-DDD	ug/kg	NA		NA		ND(17)	J5	ND(19)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B042		IR04B042		IR04MW09A		IR04MW09A
Sample Depth(feet):		21.00		26.00		2.50		4.00
Sample Number:		9046H449		9046H450		9046H414		9046H415
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/16/90		11/16/90		11/13/90		11/13/90
Lab Sample Number:		68613		68614		68206		68207
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	NA		NA		ND(17)	J5	ND(19)	A
Aroclor-1254	ug/kg	NA		NA		ND(170)	J5	ND(190)	A
Aroclor-1260	ug/kg	NA		NA		ND(170)	J5	450	A
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		220	A	770	D
TPH GAS									
TPH-Gasoline	mg/kg	NA		NA		65	D	ND(1.2)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		251	A	817	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW09A		IR04MW09A		IR04MW09A		IR04MW09A
Sample Depth(feet):		6.00		11.00		16.00		21.00
Sample Number:		9046H417		9046H418		9046H419		9046H420
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/14/90		11/14/90		11/14/90
Lab Sample Number:		68362		68363		68368		68369
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(21)	U1	ND(6.1)	A	ND(6.1)	A	ND(8.8)	A
Acetone	ug/kg	ND(12)	A	ND(12)	A	ND(12)	A	ND(18)	A
Carbon disulfide	ug/kg	ND(5.9)	A	ND(6.1)	A	ND(6.1)	A	ND(8.8)	A
1,1-Dichloroethane	ug/kg	ND(5.9)	A	ND(6.1)	A	ND(6.1)	A	ND(8.8)	A
Chloroform	ug/kg	ND(5.9)	A	ND(6.1)	A	ND(6.1)	A	ND(8.8)	A
1,2-Dichloroethane	ug/kg	ND(5.9)	A	ND(6.1)	A	ND(6.1)	A	ND(8.8)	A
1,1,1-Trichloroethane	ug/kg	ND(5.9)	A	ND(6.1)	A	ND(6.1)	A	ND(8.8)	A
Trichloroethene	ug/kg	ND(5.9)	A	ND(6.1)	A	ND(6.1)	A	ND(8.8)	A
1,1,2-Trichloroethane	ug/kg	ND(5.9)	A	ND(6.1)	A	ND(6.1)	A	ND(8.8)	A
Benzene	ug/kg	ND(5.9)	A	ND(6.1)	A	ND(6.1)	A	ND(8.8)	A
Tetrachloroethene	ug/kg	ND(5.9)	A	ND(6.1)	A	ND(6.1)	A	ND(8.8)	A
Toluene	ug/kg	69	F	74	F	150	F	4.9	F/J
Ethyl benzene	ug/kg	ND(5.9)	A	ND(6.1)	A	ND(6.1)	A	ND(8.8)	A
Xylenes	ug/kg	ND(5.9)	A	ND(6.1)	A	ND(6.1)	A	9	A
CLP-SOC									
Naphthalene	ug/kg	ND(780)	J5	ND(400)	A	ND(400)	A	ND(580)	J5
2-Methylnaphthalene	ug/kg	ND(780)	J5	ND(400)	A	ND(400)	A	ND(580)	J5
Phenanthrene	ug/kg	ND(780)	J5	ND(400)	A	ND(400)	A	ND(580)	J5
Fluoranthene	ug/kg	ND(780)	J5	ND(400)	A	ND(400)	A	ND(580)	J5
Pyrene	ug/kg	ND(780)	J5	ND(400)	A	ND(400)	A	ND(580)	J5
Benzo(a)anthracene	ug/kg	ND(780)	J5	ND(400)	A	ND(400)	A	ND(580)	J5
Chrysene	ug/kg	ND(780)	J5	ND(400)	A	ND(400)	A	ND(580)	J5
Bis(2-ethylhexyl)phthalate	ug/kg	ND(1500)	U1J5/BD	ND(400)	A	ND(400)	U1	ND(3000)	U1J5
Di-n-octylphthalate	ug/kg	ND(780)	J5	ND(400)	A	ND(400)	A	ND(580)	J5
Benzo(b)fluoranthene	ug/kg	ND(780)	J5	ND(400)	A	ND(400)	A	ND(580)	J5
Benzo(k)fluoranthene	ug/kg	ND(780)	J5	ND(400)	A	ND(400)	A	ND(580)	J5
Benzo(a)pyrene	ug/kg	ND(780)	J5	ND(400)	A	ND(400)	A	ND(580)	J5
Indeno(1,2,3-cd)pyrene	ug/kg	ND(780)	J5	ND(400)	A	ND(400)	A	ND(580)	J5
Dibenzo(a,h)anthracene	ug/kg	ND(780)	J5	ND(400)	A	ND(400)	A	ND(580)	J5
Benzo(ghi)perylene	ug/kg	ND(780)	J5	ND(400)	A	ND(400)	A	ND(580)	J5
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(9.5)	R2J35	ND(9.8)	A	NA		NA	
Dieldrin	ug/kg	ND(19)	R2J35	ND(20)	A	NA		NA	
4,4'-DDD	ug/kg	ND(19)	R2J3	ND(86)	U1/B	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW09A		IR04MW09A		IR04MW09A		IR04MW09A
Sample Depth(feet):		6.00		11.00		16.00		21.00
Sample Number:		9046H417		9046H418		9046H419		9046H420
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/14/90		11/14/90		11/14/90
Lab Sample Number:		68362		68363		68368		68369
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)								
4,4'-DDT	ug/kg	ND(19)	R2J3	ND(260)	U1J3/B	NA		NA	
Aroclor-1254	ug/kg	ND(190)	R2J35	ND(200)	A	NA		NA	
Aroclor-1260	ug/kg	2100	R2J35	ND(200)	A	NA		NA	
TPH DIESEL								
TPH-Diesel	mg/kg	310	A	ND(12)	A	NA		NA	
TPH GAS								
TPH-Gasoline	mg/kg	ND(1.2)	A	ND(1.2)	A	NA		NA	
OIL & GREASE								
Total Oil & Grease	mg/kg	6220	A	98.3	A	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW09A		IR04MW31A		IR04MW31A		IR04MW31A	
Sample Depth(feet):		26.00		0.50		2.50		5.00	
Sample Number:		9046H421		9046G487		9046G488		9046G489	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/14/90		11/15/90		11/15/90		11/15/90	
Lab Sample Number:		68370		68615		68616		68617	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(8.8)	J5	ND(5.3)	A	ND(5.4)	A	ND(5.4)	A
Acetone	ug/kg	ND(18)	J5	ND(11)	A	ND(11)	A	ND(11)	A
Carbon disulfide	ug/kg	ND(8.8)	J5	ND(5.3)	A	ND(5.4)	A	ND(5.4)	A
1,1-Dichloroethane	ug/kg	ND(8.8)	J5	ND(5.3)	A	ND(5.4)	A	ND(5.4)	A
Chloroform	ug/kg	ND(8.8)	J5	ND(5.3)	A	ND(5.4)	A	ND(5.4)	A
1,2-Dichloroethane	ug/kg	ND(8.8)	J5	ND(5.3)	A	ND(5.4)	A	ND(5.4)	A
1,1,1-Trichloroethane	ug/kg	ND(8.8)	J5	ND(5.3)	A	ND(5.4)	A	ND(5.4)	A
Trichloroethene	ug/kg	ND(8.8)	J5	ND(5.3)	A	ND(5.4)	A	ND(5.4)	A
1,1,2-Trichloroethane	ug/kg	ND(8.8)	J5	ND(5.3)	A	ND(5.4)	A	ND(5.4)	A
Benzene	ug/kg	ND(8.8)	J5	ND(5.3)	A	ND(5.4)	A	ND(5.4)	A
Tetrachloroethene	ug/kg	ND(8.8)	J5	ND(5.3)	A	ND(5.4)	A	ND(5.4)	A
Toluene	ug/kg	ND(8.8)	F/J5	230	F	98	F	110	F
Ethyl benzene	ug/kg	ND(8.8)	J5	ND(5.3)	A	ND(5.4)	A	ND(5.4)	A
Xylenes	ug/kg	ND(8.8)	J5	ND(5.3)	A	ND(5.4)	A	ND(5.4)	A
CLP-SOC									
Naphthalene	ug/kg	ND(1200)	J5	ND(3500)	A	ND(360)	A	ND(350)	A
2-Methylnaphthalene	ug/kg	ND(1200)	J5	ND(3500)	A	ND(360)	A	ND(350)	A
Phenanthrene	ug/kg	ND(1200)	J5	410	JD	ND(360)	A	ND(350)	A
Fluoranthene	ug/kg	ND(1200)	J5	ND(3500)	A	ND(360)	A	ND(350)	A
Pyrene	ug/kg	ND(1200)	J5	1100	JD	ND(360)	A	ND(350)	A
Benzo(a)anthracene	ug/kg	ND(1200)	J5	350	JD	ND(360)	A	ND(350)	A
Chrysene	ug/kg	ND(1200)	J5	1100	J D	ND(360)	A	ND(350)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(3700)	U1J5/D	ND(3500)	U1/JD	ND(360)	A	ND(1800)	U1
Di-n-octylphthalate	ug/kg	ND(1200)	J5	ND(3500)	A	ND(360)	A	ND(350)	A
Benzo(b)fluoranthene	ug/kg	ND(1200)	J5	ND(3500)	A	ND(360)	A	ND(350)	A
Benzo(k)fluoranthene	ug/kg	ND(1200)	J5	ND(3500)	A	ND(360)	A	ND(350)	A
Benzo(a)pyrene	ug/kg	ND(1200)	J5	ND(3500)	A	ND(360)	A	ND(350)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(1200)	J5	ND(3500)	A	ND(360)	A	ND(350)	A
Dibenzo(a,h)anthracene	ug/kg	ND(1200)	J5	ND(3500)	A	ND(360)	A	ND(350)	A
Benzo(ghi)perylene	ug/kg	ND(1200)	J5	ND(3500)	A	ND(360)	A	ND(350)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	NA		ND(84)	J35	ND(8.7)	J5	ND(8.6)	J35
Dieldrin	ug/kg	NA		ND(170)	J35	ND(17)	J5	ND(17)	J35
4,4'-DDD	ug/kg	NA		ND(170)	J35	ND(17)	J5	ND(17)	J35

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW09A		IR04MW31A		IR04MW31A		IR04MW31A	
Sample Depth(feet):		26.00		0.50		2.50		5.00	
Sample Number:		9046H421		9046G487		9046G488		9046G489	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/14/90		11/15/90		11/15/90		11/15/90	
Lab Sample Number:		68370		68615		68616		68617	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	NA		ND(170)	J35	ND(17)	J5	ND(17)	J35
Aroclor-1254	ug/kg	NA		ND(1700)	J35	ND(170)	J5	ND(170)	J35
Aroclor-1260	ug/kg	NA		6300	J35/D	210	J5	ND(170)	J35
TPH DIESEL									
TPH-Diesel	mg/kg	NA		1300	D	60	A	41	A
TPH GAS									
TPH-Gasoline	mg/kg	NA		ND(1)	A	ND(1.1)	A	ND(1.1)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		3630	A	173	A	ND(54)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW31A		IR04MW31A		IR04MW31A		IR04MW31A
Sample Depth(feet):		10.00		15.50		20.50		25.00
Sample Number:		9046G490		9046G491		9046G492		9046G493
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/15/90		11/15/90		11/15/90		11/15/90
Lab Sample Number:		68618		68619		68620		68621
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Methylene chloride	ug/kg	ND(5.5)	A	ND(5.8)	A	ND(6)	A	ND(6)	A
Acetone	ug/kg	ND(11)	A	ND(12)	A	ND(12)	A	ND(12)	A
Carbon disulfide	ug/kg	ND(5.5)	A	ND(5.8)	A	ND(6)	A	ND(6)	A
1,1-Dichloroethane	ug/kg	ND(5.5)	A	ND(5.8)	A	ND(6)	A	ND(6)	A
Chloroform	ug/kg	ND(5.5)	A	ND(5.8)	A	ND(6)	A	ND(6)	A
1,2-Dichloroethane	ug/kg	ND(5.5)	A	ND(5.8)	A	ND(6)	A	ND(6)	A
1,1,1-Trichloroethane	ug/kg	ND(5.5)	A	ND(5.8)	A	ND(6)	A	ND(6)	A
Trichloroethene	ug/kg	ND(5.5)	A	ND(5.8)	A	ND(6)	A	ND(6)	A
1,1,2-Trichloroethane	ug/kg	ND(5.5)	A	ND(5.8)	A	ND(6)	A	ND(6)	A
Benzene	ug/kg	ND(5.5)	A	ND(5.8)	A	ND(6)	A	ND(6)	A
Tetrachloroethene	ug/kg	ND(5.5)	A	ND(5.8)	A	ND(6)	A	ND(6)	A
Toluene	ug/kg	170	F	92	F	23	F	57	F
Ethyl benzene	ug/kg	ND(5.5)	A	ND(5.8)	A	ND(6)	A	ND(6)	A
Xylenes	ug/kg	ND(5.5)	A	ND(5.8)	A	ND(6)	A	ND(6)	A
CLP-SOC									
Naphthalene	ug/kg	ND(360)	A	ND(380)	A	ND(400)	A	ND(400)	A
2-Methylnaphthalene	ug/kg	ND(360)	A	ND(380)	A	ND(400)	A	ND(400)	A
Phenanthrene	ug/kg	ND(360)	A	ND(380)	A	ND(400)	A	ND(400)	A
Fluoranthene	ug/kg	ND(360)	A	ND(380)	A	ND(400)	A	ND(400)	A
Pyrene	ug/kg	ND(360)	A	ND(380)	A	ND(400)	A	ND(400)	A
Benzo(a)anthracene	ug/kg	ND(360)	A	ND(380)	A	ND(400)	A	ND(400)	A
Chrysene	ug/kg	ND(360)	A	ND(380)	A	ND(400)	A	ND(400)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(360)	A	ND(2600)	U1	ND(400)	A	ND(400)	A
Di-n-octylphthalate	ug/kg	ND(360)	A	ND(380)	A	ND(400)	A	ND(400)	A
Benzo(b)fluoranthene	ug/kg	ND(360)	A	ND(380)	A	ND(400)	A	ND(400)	A
Benzo(k)fluoranthene	ug/kg	ND(360)	A	ND(380)	A	ND(400)	A	ND(400)	A
Benzo(a)pyrene	ug/kg	ND(360)	A	ND(380)	A	ND(400)	A	ND(400)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(360)	A	ND(380)	A	ND(400)	A	ND(400)	A
Dibenzo(a,h)anthracene	ug/kg	ND(360)	A	ND(380)	A	ND(400)	A	ND(400)	A
Benzo(ghi)perylene	ug/kg	ND(360)	A	ND(380)	A	ND(400)	A	ND(400)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(8.8)	J5	NA		NA		NA	
Dieldrin	ug/kg	ND(18)	J5	NA		NA		NA	
4,4'-DDD	ug/kg	ND(18)	J5	NA		NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW31A		IR04MW31A		IR04MW31A		IR04MW31A
Sample Depth(feet):		10.00		15.50		20.50		25.00
Sample Number:		9046G490		9046G491		9046G492		9046G493
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/15/90		11/15/90		11/15/90		11/15/90
Lab Sample Number:		68618		68619		68620		68621
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)								
4,4'-DDT	ug/kg	ND(18)	J5	NA		NA		NA	
Aroclor-1254	ug/kg	ND(180)	J5	NA		NA		NA	
Aroclor-1260	ug/kg	ND(180)	J5	NA		NA		NA	
TPH DIESEL								
TPH-Diesel	mg/kg	39	A	NA		NA		NA	
TPH GAS								
TPH-Gasoline	mg/kg	ND(1.1)	J3	NA		NA		NA	
OIL & GREASE								
Total Oil & Grease	mg/kg	ND(55)	A	NA		NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW31A		IR04MW31A		IR04MW35A		IR04MW35A	
Sample Depth(feet):		30.50		35.50		1.00		3.00	
Sample Number:		9046G494		9046G495		9048N186		9048N187	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/15/90		11/16/90		11/26/90		11/26/90	
Lab Sample Number:		68622		68623		69377		69378	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.7)	A	ND(8)	U1/J B	ND(52)	A	ND(27)	A
Acetone	ug/kg	ND(11)	A	ND(24)	U1	ND(100)	A	ND(53)	A
Carbon disulfide	ug/kg	ND(5.7)	A	ND(8)	A	ND(52)	A	ND(27)	A
1,1-Dichloroethane	ug/kg	ND(5.7)	A	ND(8)	A	ND(52)	A	ND(27)	A
Chloroform	ug/kg	ND(5.7)	A	ND(8)	A	ND(52)	A	ND(27)	A
1,2-Dichloroethane	ug/kg	ND(5.7)	A	ND(8)	A	ND(52)	A	ND(27)	A
1,1,1-Trichloroethane	ug/kg	ND(5.7)	A	ND(8)	A	ND(52)	A	ND(27)	A
Trichloroethene	ug/kg	ND(5.7)	A	ND(8)	A	ND(52)	A	ND(27)	A
1,1,2-Trichloroethane	ug/kg	ND(5.7)	A	ND(8)	A	ND(52)	A	ND(27)	A
Benzene	ug/kg	ND(5.7)	A	ND(8)	A	ND(52)	A	ND(27)	A
Tetrachloroethene	ug/kg	220	A	ND(8)	A	ND(52)	A	53	D
Toluene	ug/kg	ND(5.7)	A	77	F	870	F/D	530	F/D
Ethyl benzene	ug/kg	ND(5.7)	A	ND(8)	A	ND(52)	A	ND(27)	A
Xylenes	ug/kg	ND(5.7)	A	ND(8)	A	ND(52)	A	ND(27)	A
CLP-SOC									
Naphthalene	ug/kg	ND(380)	A	ND(530)	A	ND(340)	A	ND(350)	A
2-Methylnaphthalene	ug/kg	ND(380)	A	ND(530)	A	ND(340)	A	ND(350)	A
Phenanthrene	ug/kg	ND(380)	A	ND(530)	A	710	A	ND(350)	A
Fluoranthene	ug/kg	ND(380)	A	ND(530)	A	3500	A	ND(350)	A
Pyrene	ug/kg	ND(380)	A	ND(530)	A	3700	A	ND(350)	A
Benzo(a)anthracene	ug/kg	ND(380)	A	ND(530)	A	3300	A	ND(350)	A
Chrysene	ug/kg	ND(380)	A	ND(530)	A	4500	A	990	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(380)	A	ND(530)	A	4000	A	630	A
Di-n-octylphthalate	ug/kg	ND(380)	A	ND(530)	A	ND(340)	A	ND(350)	A
Benzo(b)fluoranthene	ug/kg	ND(380)	A	ND(530)	A	7300	A	410	A
Benzo(k)fluoranthene	ug/kg	ND(380)	A	ND(530)	A	2800	A	ND(350)	A
Benzo(a)pyrene	ug/kg	ND(380)	A	ND(530)	A	6200	A	ND(350)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(380)	A	ND(530)	A	4500	A	ND(350)	A
Dibenzo(a,h)anthracene	ug/kg	ND(380)	A	ND(530)	A	1700	A	ND(350)	A
Benzo(ghi)perylene	ug/kg	ND(380)	A	ND(530)	A	4900	A	ND(350)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	NA		NA		ND(83)	A	ND(8.5)	A
Dieldrin	ug/kg	NA		NA		ND(170)	A	ND(17)	A
4,4'-DDD	ug/kg	NA		NA		ND(170)	A	ND(20)	U1/B

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW31A		IR04MW31A		IR04MW35A		IR04MW35A
Sample Depth(feet):		30.50		35.50		1.00		3.00
Sample Number:		9046G494		9046G495		9048N186		9048N187
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/15/90		11/16/90		11/26/90		11/26/90
Lab Sample Number:		68622		68623		69377		69378
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	NA		NA		ND(240)	U1/B D	ND(100)	U1/B
Aroclor-1254	ug/kg	NA		NA		ND(1700)	A	ND(170)	A
Aroclor-1260	ug/kg	NA		NA		ND(1700)	A	ND(170)	A
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		2400	D	4000	D
TPH GAS									
TPH-Gasoline	mg/kg	NA		NA		ND(1)	A	5.7	A
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		3280	A	26600	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW35A		IR04MW35A		IR04MW35A		IR04MW35A
Sample Depth(feet):		5.50		10.50		15.50		20.50
Sample Number:		9048N188		9048N189		9048N190		9048N191
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/26/90		11/26/90		11/26/90		11/26/90
Lab Sample Number:		69379		69380		69381		69382
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(29)	J3	ND(5.8)	J5	ND(6)	A	ND(6.4)	A
Acetone	ug/kg	ND(58)	J3	ND(12)	J5	ND(12)	A	ND(13)	A
Carbon disulfide	ug/kg	ND(29)	J3	ND(5.8)	J5	ND(6)	A	ND(6.4)	A
1,1-Dichloroethane	ug/kg	ND(29)	J3	ND(5.8)	J5	ND(6)	A	ND(6.4)	A
Chloroform	ug/kg	ND(29)	J3	ND(5.8)	J5	ND(6)	A	ND(6.4)	A
1,2-Dichloroethane	ug/kg	ND(29)	J3	ND(5.8)	J5	ND(6)	A	ND(6.4)	A
1,1,1-Trichloroethane	ug/kg	ND(29)	J3	ND(5.8)	J5	ND(6)	A	ND(6.4)	A
Trichloroethene	ug/kg	ND(29)	J3	ND(5.8)	J5	ND(6)	A	ND(6.4)	A
1,1,2-Trichloroethane	ug/kg	ND(29)	J3	ND(5.8)	J5	ND(6)	A	ND(6.4)	A
Benzene	ug/kg	ND(29)	J3	ND(5.8)	J5	ND(6)	A	ND(6.4)	A
Tetrachloroethene	ug/kg	27	J3/J D	ND(5.8)	J5	ND(6)	A	ND(6.4)	A
Toluene	ug/kg	640	FJ3/D	7.8	F/J5	16	F	36	F
Ethyl benzene	ug/kg	ND(29)	J3	ND(5.8)	J5	ND(6)	A	ND(6.4)	A
Xylenes	ug/kg	ND(29)	J3	ND(5.8)	J5	ND(6)	A	ND(6.4)	A
CLP-SOC									
Naphthalene	ug/kg	ND(380)	J5	ND(380)	A	ND(400)	A	ND(420)	A
2-Methylnaphthalene	ug/kg	ND(380)	J5	ND(380)	A	ND(400)	A	ND(420)	A
Phenanthrene	ug/kg	ND(380)	J5	ND(380)	A	ND(400)	A	ND(420)	A
Fluoranthene	ug/kg	ND(380)	J5	ND(380)	A	ND(400)	A	ND(420)	A
Pyrene	ug/kg	ND(380)	J5	ND(380)	A	ND(400)	A	ND(420)	A
Benzo(a)anthracene	ug/kg	ND(380)	J5	ND(380)	A	ND(400)	A	ND(420)	A
Chrysene	ug/kg	ND(380)	J5	ND(380)	A	ND(400)	A	ND(420)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(380)	J5	ND(380)	U1/J	ND(400)	U1/J	ND(420)	A
Di-n-octylphthalate	ug/kg	ND(380)	J5	ND(380)	A	ND(400)	A	ND(420)	A
Benzo(b)fluoranthene	ug/kg	ND(380)	J5	ND(380)	A	ND(400)	A	ND(420)	A
Benzo(k)fluoranthene	ug/kg	ND(380)	J5	ND(380)	A	ND(400)	A	ND(420)	A
Benzo(a)pyrene	ug/kg	ND(380)	J5	ND(380)	A	ND(400)	A	ND(420)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(380)	J5	ND(380)	A	ND(400)	A	ND(420)	A
Dibenzo(a,h)anthracene	ug/kg	ND(380)	J5	ND(380)	A	ND(400)	A	ND(420)	A
Benzo(ghi)perylene	ug/kg	ND(380)	J5	ND(380)	A	ND(400)	A	ND(420)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(9.3)	A	ND(9.2)	A	NA		NA	
Dieldrin	ug/kg	ND(19)	A	ND(18)	A	NA		NA	
4,4'-DDD	ug/kg	ND(290)	U1/B	ND(47)	U1/B	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW35A		IR04MW35A		IR04MW35A		IR04MW35A
Sample Depth(feet):		5.50		10.50		15.50		20.50
Sample Number:		9048N188		9048N189		9048N190		9048N191
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/26/90		11/26/90		11/26/90		11/26/90
Lab Sample Number:		69379		69380		69381		69382
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)								
4,4'-DDT	ug/kg	ND(1100)	U1/B	ND(160)	U1/B	NA		NA	
Aroclor-1254	ug/kg	ND(190)	A	ND(180)	A	NA		NA	
Aroclor-1260	ug/kg	ND(190)	A	ND(180)	A	NA		NA	
TPH DIESEL								
TPH-Diesel	mg/kg	190	A	63	A	NA		NA	
TPH GAS								
TPH-Gasoline	mg/kg	ND(1.2)	A	ND(1.2)	A	NA		NA	
OIL & GREASE								
Total Oil & Grease	mg/kg	512	A	188	A	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW35A		IR04MW36A		IR04MW36A		IR04MW36A
Sample Depth(feet):		30.50		1.50		3.50		5.50
Sample Number:		9048N192		9047N154		9047N155		9047N156
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/26/90		11/19/90		11/19/90		11/19/90
Lab Sample Number:		69383		69001		69002		69003
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC								
Methylene chloride	ug/kg	ND(8.3)	A	ND(5.4)	A	ND(5.5)	A	ND(5.4)	A
Acetone	ug/kg	ND(17)	A	ND(11)	A	ND(11)	A	ND(11)	A
Carbon disulfide	ug/kg	ND(8.3)	A	ND(5.4)	A	ND(5.5)	A	ND(5.4)	A
1,1-Dichloroethane	ug/kg	ND(8.3)	A	ND(5.4)	A	ND(5.5)	A	ND(5.4)	A
Chloroform	ug/kg	ND(8.3)	A	ND(5.4)	A	ND(5.5)	A	ND(5.4)	A
1,2-Dichloroethane	ug/kg	ND(8.3)	A	ND(5.4)	A	ND(5.5)	A	ND(5.4)	A
1,1,1-Trichloroethane	ug/kg	ND(8.3)	A	ND(5.4)	A	ND(5.5)	A	ND(5.4)	A
Trichloroethene	ug/kg	ND(8.3)	A	ND(5.4)	A	ND(5.5)	A	ND(5.4)	A
1,1,2-Trichloroethane	ug/kg	ND(8.3)	A	ND(5.4)	A	ND(5.5)	A	ND(5.4)	A
Benzene	ug/kg	ND(8.3)	A	ND(5.4)	A	ND(5.5)	A	ND(5.4)	A
Tetrachloroethene	ug/kg	ND(8.3)	A	ND(5.4)	A	ND(5.5)	A	ND(5.4)	A
Toluene	ug/kg	140	F	ND(5.4)	F	3.2	FJ	5.6	F
Ethyl benzene	ug/kg	ND(8.3)	A	ND(5.4)	A	ND(5.5)	A	ND(5.4)	A
Xylenes	ug/kg	ND(8.3)	A	ND(5.4)	A	ND(5.5)	A	ND(5.4)	A
CLP-SOC								
Naphthalene	ug/kg	ND(550)	J5	ND(360)	A	ND(360)	J5	ND(360)	J5
2-Methylnaphthalene	ug/kg	ND(550)	J5	ND(360)	A	ND(360)	J5	ND(360)	J5
Phenanthrene	ug/kg	ND(550)	J5	ND(360)	A	ND(360)	J5	ND(360)	J5
Fluoranthene	ug/kg	ND(550)	J5	ND(360)	A	ND(360)	J5	ND(360)	J5
Pyrene	ug/kg	ND(550)	J5	ND(360)	A	ND(360)	J5	ND(360)	J5
Benzo(a)anthracene	ug/kg	ND(550)	J5	ND(360)	A	ND(360)	J5	ND(360)	J5
Chrysene	ug/kg	ND(550)	J5	ND(360)	A	ND(360)	J5	ND(360)	J5
Bis(2-ethylhexyl)phthalate	ug/kg	ND(550)	J5	ND(360)	A	ND(580)	U1J5	ND(1500)	U1J5
Di-n-octylphthalate	ug/kg	ND(550)	J5	ND(360)	A	ND(360)	J5	ND(360)	J5
Benzo(b)fluoranthene	ug/kg	ND(550)	J5	ND(360)	A	ND(360)	J5	ND(360)	J5
Benzo(k)fluoranthene	ug/kg	ND(550)	J5	ND(360)	A	ND(360)	J5	ND(360)	J5
Benzo(a)pyrene	ug/kg	ND(550)	J5	ND(360)	A	ND(360)	J5	ND(360)	J5
Indeno(1,2,3-cd)pyrene	ug/kg	ND(550)	J5	ND(360)	A	ND(360)	J5	ND(360)	J5
Dibenzo(a,h)anthracene	ug/kg	ND(550)	J5	ND(360)	A	ND(360)	J5	ND(360)	J5
Benzo(ghi)perylene	ug/kg	ND(550)	J5	ND(360)	A	ND(360)	J5	ND(360)	J5
CLP-PEST/PCB								
Heptachlor epoxide	ug/kg	NA		ND(8.7)	J3	ND(8.8)	J5	ND(86)	J5
Dieldrin	ug/kg	NA		ND(17)	J3	ND(18)	J5	ND(170)	J5
4,4'-DDD	ug/kg	NA		ND(17)	J3	ND(18)	J5	ND(170)	J5

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:	IR04MW35A		IR04MW36A		IR04MW36A		IR04MW36A	
Sample Depth(feet):	30.50		1.50		3.50		5.50	
Sample Number:	9048N192		9047N154		9047N155		9047N156	
Matrix:	SOIL		SOIL		SOIL		SOIL	
Sample Date:	11/26/90		11/19/90		11/19/90		11/19/90	
Lab Sample Number:	69383		69001		69002		69003	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	NA		38	J3/B	ND(18)	J5	ND(170)	J5
Aroclor-1254	ug/kg	NA		ND(170)	J3	ND(180)	J5	ND(1700)	J5
Aroclor-1260	ug/kg	NA		ND(170)	J3	ND(180)	J5	ND(1700)	J5
TPH DIESEL									
TPH-Diesel	mg/kg	NA		33	A	260	D	550	D
TPH GAS									
TPH-Gasoline	mg/kg	NA		ND(1.1)	A	ND(1.1)	A	ND(1.1)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		373	A	840	A	1440	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW36A		IR04MW36A		IR04MW36A		IR04MW36A
Sample Depth(feet):		10.50		15.50		30.50		35.00
Sample Number:		9047N157		9047N158		9047N159		9047N160
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/19/90		11/19/90		11/19/90		11/19/90
Lab Sample Number:		69004		69005		69006		69007
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(6)	A	ND(6.3)	A	ND(7.6)	J5	ND(6.5)	J5
Acetone	ug/kg	ND(12)	A	ND(12)	A	ND(15)	J5	ND(13)	J5
Carbon disulfide	ug/kg	ND(6)	A	ND(6.3)	A	ND(7.6)	J5	ND(6.5)	J5
1,1-Dichloroethane	ug/kg	ND(6)	A	ND(6.3)	A	ND(7.6)	J5	ND(6.5)	J5
Chloroform	ug/kg	ND(6)	A	ND(6.3)	A	ND(7.6)	J5	ND(6.5)	J5
1,2-Dichloroethane	ug/kg	ND(6)	A	ND(6.3)	A	ND(7.6)	J5	ND(6.5)	J5
1,1,1-Trichloroethane	ug/kg	ND(6)	A	ND(6.3)	A	ND(7.6)	J5	ND(6.5)	J5
Trichloroethene	ug/kg	ND(6)	A	ND(6.3)	A	ND(7.6)	J5	ND(6.5)	J5
1,1,2-Trichloroethane	ug/kg	ND(6)	A	ND(6.3)	A	ND(7.6)	J5	ND(6.5)	J5
Benzene	ug/kg	ND(6)	A	ND(6.3)	A	ND(7.6)	J5	ND(6.5)	J5
Tetrachloroethene	ug/kg	ND(6)	A	ND(6.3)	A	ND(7.6)	J5	ND(6.5)	J5
Toluene	ug/kg	ND(6)	F	3.2	F/J	5.2	FJ5/J	5.2	FJ5/J
Ethyl benzene	ug/kg	ND(6)	A	ND(6.3)	A	ND(7.6)	J5	ND(6.5)	J5
Xylenes	ug/kg	ND(6)	A	ND(6.3)	A	ND(7.6)	J5	ND(6.5)	J5
CLP-SOC									
Naphthalene	ug/kg	ND(390)	A	ND(410)	A	ND(500)	A	ND(430)	A
2-Methylnaphthalene	ug/kg	ND(390)	A	ND(410)	A	ND(500)	A	ND(430)	A
Phenanthrene	ug/kg	ND(390)	A	ND(410)	A	ND(500)	A	ND(430)	A
Fluoranthene	ug/kg	ND(390)	A	ND(410)	A	ND(500)	A	ND(430)	A
Pyrene	ug/kg	ND(390)	A	ND(410)	A	ND(500)	A	ND(430)	A
Benzo(a)anthracene	ug/kg	ND(390)	A	ND(410)	A	ND(500)	A	ND(430)	A
Chrysene	ug/kg	ND(390)	A	ND(410)	A	ND(500)	A	ND(430)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(430)	U1	ND(780)	U1	ND(500)	U1/J	ND(430)	A
Di-n-octylphthalate	ug/kg	ND(390)	A	ND(410)	A	ND(500)	A	ND(430)	A
Benzo(b)fluoranthene	ug/kg	ND(390)	A	ND(410)	A	ND(500)	A	ND(430)	A
Benzo(k)fluoranthene	ug/kg	ND(390)	A	ND(410)	A	ND(500)	A	ND(430)	A
Benzo(a)pyrene	ug/kg	ND(390)	A	ND(410)	A	ND(500)	A	ND(430)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(390)	A	ND(410)	A	ND(500)	A	ND(430)	A
Dibenzo(a,h)anthracene	ug/kg	ND(390)	A	ND(410)	A	ND(500)	A	ND(430)	A
Benzo(ghi)perylene	ug/kg	ND(390)	A	ND(410)	A	ND(500)	A	ND(430)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(9.5)	A	ND(10)	A	ND(12)	A	ND(10)	A
Dieldrin	ug/kg	ND(19)	A	ND(20)	A	ND(24)	A	ND(21)	A
4,4'-DDD	ug/kg	ND(33)	U1/B	ND(20)	U1/B	ND(29)	U1/B	ND(23)	U1/B

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW36A		IR04MW36A		IR04MW36A		IR04MW36A
Sample Depth(feet):		10.50		15.50		30.50		35.00
Sample Number:		9047N157		9047N158		9047N159		9047N160
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/19/90		11/19/90		11/19/90		11/19/90
Lab Sample Number:		69004		69005		69006		69007
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	ND(64)	U1/B	ND(29)	U1/B	ND(41)	U1/B	ND(28)	U1/B
Aroclor-1254	ug/kg	ND(190)	A	ND(200)	A	ND(240)	A	ND(210)	A
Aroclor-1260	ug/kg	ND(190)	A	ND(200)	A	ND(240)	A	ND(210)	A
TPH DIESEL									
TPH-Diesel	mg/kg	760	D	ND(12)	A	ND(15)	A	ND(13)	A
TPH GAS									
TPH-Gasoline	mg/kg	ND(1.2)	A	ND(1.3)	A	ND(1.5)	A	ND(1.3)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	750	A	45.6	J	82	A	52.6	J

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW37A		IR04MW37A		IR04MW37A		IR04MW37A
Sample Depth(feet):		1.50		3.50		5.50		10.50
Sample Number:		9047N177		9047N178		9047N179		9047N180
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/20/90		11/20/90		11/20/90		11/20/90
Lab Sample Number:		69148		69149		69140		69141
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Methylene chloride	ug/kg	ND(5.5)	A	ND(5.5)	A	ND(5.5)	J5	ND(5.6)	J5
Acetone	ug/kg	ND(11)	A	ND(11)	A	ND(11)	J5	ND(11)	J5
Carbon disulfide	ug/kg	ND(5.5)	A	ND(5.5)	A	ND(5.5)	J5	ND(5.6)	J5
1,1-Dichloroethane	ug/kg	ND(5.5)	A	ND(5.5)	A	ND(5.5)	J5	ND(5.6)	J5
Chloroform	ug/kg	ND(5.5)	A	ND(5.5)	A	ND(5.5)	J5	ND(5.6)	J5
1,2-Dichloroethane	ug/kg	ND(5.5)	A	ND(5.5)	A	ND(5.5)	J5	ND(5.6)	J5
1,1,1-Trichloroethane	ug/kg	ND(5.5)	A	ND(5.5)	A	ND(5.5)	J5	ND(5.6)	J5
Trichloroethene	ug/kg	ND(5.5)	A	ND(5.5)	A	ND(5.5)	J5	ND(5.6)	J5
1,1,2-Trichloroethane	ug/kg	ND(5.5)	A	ND(5.5)	A	ND(5.5)	J5	ND(5.6)	J5
Benzene	ug/kg	ND(5.5)	A	ND(5.5)	A	ND(5.5)	J5	ND(5.6)	J5
Tetrachloroethene	ug/kg	ND(5.5)	A	ND(5.5)	A	ND(5.5)	J5	ND(5.6)	J5
Toluene	ug/kg	210	F	58	F	91	FJ5	91	FJ5
Ethyl benzene	ug/kg	ND(5.5)	A	ND(5.5)	A	ND(5.5)	J5	ND(5.6)	J5
Xylenes	ug/kg	ND(5.5)	A	ND(5.5)	A	ND(5.5)	J5	ND(5.6)	J5
CLP-SOC									
Naphthalene	ug/kg	ND(370)	A	ND(3600)	A	ND(720)	A	ND(730)	A
2-Methylnaphthalene	ug/kg	ND(370)	A	ND(3600)	A	ND(720)	A	ND(730)	A
Phenanthrene	ug/kg	ND(370)	A	ND(3600)	A	ND(720)	A	ND(730)	A
Fluoranthene	ug/kg	ND(370)	A	ND(3600)	A	ND(720)	A	ND(730)	A
Pyrene	ug/kg	ND(370)	A	ND(3600)	A	ND(720)	A	ND(730)	A
Benzo(a)anthracene	ug/kg	ND(370)	A	ND(3600)	A	ND(720)	A	ND(730)	A
Chrysene	ug/kg	ND(370)	A	ND(3600)	A	ND(720)	A	ND(730)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(660)	U1/B	ND(940)	U1/BD	ND(1200)	U1/BD	ND(1500)	U1/BD
Di-n-octylphthalate	ug/kg	ND(370)	A	ND(3600)	A	ND(720)	A	ND(730)	A
Benzo(b)fluoranthene	ug/kg	ND(370)	A	ND(3600)	A	ND(720)	A	ND(730)	A
Benzo(k)fluoranthene	ug/kg	ND(370)	A	ND(3600)	A	ND(720)	A	ND(730)	A
Benzo(a)pyrene	ug/kg	ND(370)	A	ND(3600)	A	ND(720)	A	ND(730)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(370)	A	ND(3600)	A	ND(720)	A	ND(730)	A
Dibenzo(a,h)anthracene	ug/kg	ND(370)	A	ND(3600)	A	ND(720)	A	ND(730)	A
Benzo(ghi)perylene	ug/kg	ND(370)	A	ND(3600)	A	ND(720)	A	ND(730)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(89)	J5	ND(8.8)	A	ND(87)	J5	ND(8.9)	A
Dieldrin	ug/kg	ND(180)	J5	ND(18)	A	ND(170)	J5	ND(18)	A
4,4'-DDD	ug/kg	ND(180)	J5	ND(150)	U1/B	ND(280)	U1J5/B	ND(91)	U1/B

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW37A		IR04MW37A		IR04MW37A		IR04MW37A
Sample Depth(feet):		1.50		3.50		5.50		10.50
Sample Number:		9047N177		9047N178		9047N179		9047N180
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/20/90		11/20/90		11/20/90		11/20/90
Lab Sample Number:		69148		69149		69140		69141
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	ND(180)	J35	ND(420)	U1J3/B	ND(520)	U1J35/B	ND(260)	U1J3/B
Aroclor-1254	ug/kg	ND(180)	J5	ND(180)	A	ND(1700)	J5	ND(180)	A
Aroclor-1260	ug/kg	ND(180)	J5	ND(180)	A	ND(1700)	J5	ND(180)	A
TPH DIESEL									
TPH-Diesel	mg/kg	410	A	960	D	310	D	120	A
TPH GAS									
TPH-Gasoline	mg/kg	ND(1.1)	A	3	A	ND(11)	J3	ND(1.1)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	314	A	1920	A	468	A	223	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW37A		IR04MW37A		IR04MW37A		IR04MW38A
Sample Depth(feet):		15.50		20.50		25.50		1.75
Sample Number:		9047N181		9047N182		9047N183		9048N224
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/20/90		11/20/90		11/20/90		11/29/90
Lab Sample Number:		69150		69151		69152		69813
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(6.4)	J5	ND(6.4)	A	ND(7.3)	A	ND(5.2)	A
Acetone	ug/kg	ND(13)	J5	ND(13)	A	ND(15)	A	ND(10)	A
Carbon disulfide	ug/kg	ND(6.4)	J5	ND(6.4)	A	ND(7.3)	A	ND(5.2)	A
1,1-Dichloroethane	ug/kg	ND(6.4)	J5	ND(6.4)	A	ND(7.3)	A	ND(5.2)	A
Chloroform	ug/kg	ND(6.4)	J5	ND(6.4)	A	ND(7.3)	A	ND(5.2)	A
1,2-Dichloroethane	ug/kg	ND(6.4)	J5	ND(6.4)	A	ND(7.3)	A	ND(5.2)	A
1,1,1-Trichloroethane	ug/kg	ND(6.4)	J5	ND(6.4)	A	ND(7.3)	A	ND(5.2)	A
Trichloroethene	ug/kg	ND(6.4)	J5	ND(6.4)	A	ND(7.3)	A	200	A
1,1,2-Trichloroethane	ug/kg	ND(6.4)	J5	ND(6.4)	A	ND(7.3)	A	ND(5.2)	A
Benzene	ug/kg	ND(6.4)	J5	ND(6.4)	A	ND(7.3)	A	ND(5.2)	A
Tetrachloroethene	ug/kg	ND(6.4)	J5	ND(6.4)	A	ND(7.3)	A	ND(5.2)	A
Toluene	ug/kg	43	FJ5	35	F	240	F	400	F
Ethyl benzene	ug/kg	ND(6.4)	J5	ND(6.4)	A	ND(7.3)	A	ND(5.2)	A
Xylenes	ug/kg	ND(6.4)	J5	ND(6.4)	A	ND(7.3)	A	ND(5.2)	A
CLP-SOC									
Naphthalene	ug/kg	ND(840)	A	ND(420)	A	ND(970)	A	ND(690)	J5
2-Methylnaphthalene	ug/kg	ND(840)	A	ND(420)	A	ND(970)	A	ND(690)	J5
Phenanthrene	ug/kg	ND(840)	A	ND(420)	A	ND(970)	A	ND(690)	J5
Fluoranthene	ug/kg	ND(840)	A	ND(420)	A	ND(970)	A	ND(690)	J5
Pyrene	ug/kg	ND(840)	A	ND(420)	A	ND(970)	A	ND(690)	J5
Benzo(a)anthracene	ug/kg	ND(840)	A	ND(420)	A	ND(970)	A	ND(690)	J5
Chrysene	ug/kg	ND(840)	A	ND(420)	A	ND(970)	A	ND(690)	J5
Bis(2-ethylhexyl)phthalate	ug/kg	ND(1700)	U1/BD	ND(980)	U1/B	ND(1100)	U1/BD	ND(690)	J5
Di-n-octylphthalate	ug/kg	ND(840)	A	ND(420)	A	ND(970)	A	ND(690)	J5
Benzo(b)fluoranthene	ug/kg	ND(840)	A	ND(420)	A	ND(970)	A	ND(690)	J5
Benzo(k)fluoranthene	ug/kg	ND(840)	A	ND(420)	A	ND(970)	A	ND(690)	J5
Benzo(a)pyrene	ug/kg	ND(840)	A	ND(420)	A	ND(970)	A	ND(690)	J5
Indeno(1,2,3-cd)pyrene	ug/kg	ND(840)	A	ND(420)	A	ND(970)	A	ND(690)	J5
Dibenzo(a,h)anthracene	ug/kg	ND(840)	A	ND(420)	A	ND(970)	A	ND(690)	J5
Benzo(ghi)perylene	ug/kg	ND(840)	A	ND(420)	A	ND(970)	A	ND(690)	J5
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	NA		NA		NA		ND(8.3)	A
Dieldrin	ug/kg	NA		NA		NA		ND(17)	A
4,4'-DDD	ug/kg	NA		NA		NA		ND(17)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW37A		IR04MW37A		IR04MW37A		IR04MW38A
Sample Depth(feet):		15.50		20.50		25.50		1.75
Sample Number:		9047N181		9047N182		9047N183		9048N224
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/20/90		11/20/90		11/20/90		11/29/90
Lab Sample Number:		69150		69151		69152		69813
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	NA		NA		NA		ND(17)	A
Aroclor-1254	ug/kg	NA		NA		NA		ND(170)	A
Aroclor-1260	ug/kg	NA		NA		NA		ND(170)	A
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		NA		100	D
TPH GAS									
TPH-Gasoline	mg/kg	NA		NA		NA		ND(1)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		NA		210	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW38A		IR04MW38A		IR04MW38A		IR04MW38A
Sample Depth(feet):		3.75		5.75		10.75		15.75
Sample Number:		9048N225		9048N226		9048N227		9048N228
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/29/90		11/29/90		11/29/90		11/29/90
Lab Sample Number:		69814		69815		69816		69820
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.6)	A	ND(5.6)	A	ND(6)	A	ND(6.6)	A
Acetone	ug/kg	ND(11)	A	ND(11)	A	ND(12)	A	ND(13)	A
Carbon disulfide	ug/kg	ND(5.6)	A	ND(5.6)	A	ND(6)	A	ND(6.6)	A
1,1-Dichloroethane	ug/kg	ND(5.6)	A	ND(5.6)	A	ND(6)	A	ND(6.6)	A
Chloroform	ug/kg	ND(5.6)	A	ND(5.6)	A	ND(6)	A	ND(6.6)	A
1,2-Dichloroethane	ug/kg	ND(5.6)	A	ND(5.6)	A	ND(6)	A	ND(6.6)	A
1,1,1-Trichloroethane	ug/kg	ND(5.6)	A	ND(5.6)	A	ND(6)	A	ND(6.6)	A
Trichloroethene	ug/kg	ND(5.6)	A	ND(5.6)	A	ND(6)	A	ND(6.6)	A
1,1,2-Trichloroethane	ug/kg	ND(5.6)	A	ND(5.6)	A	ND(6)	A	ND(6.6)	A
Benzene	ug/kg	ND(5.6)	A	ND(5.6)	A	ND(6)	A	ND(6.6)	A
Tetrachloroethene	ug/kg	ND(5.6)	A	ND(5.6)	A	ND(6)	A	ND(6.6)	A
Toluene	ug/kg	24	F	300	F	38	F	270	F
Ethyl benzene	ug/kg	ND(5.6)	A	ND(5.6)	A	ND(6)	A	ND(6.6)	A
Xylenes	ug/kg	ND(5.6)	A	ND(5.6)	A	ND(6)	A	ND(6.6)	A
CLP-SOC									
Naphthalene	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
2-Methylnaphthalene	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
Phenanthrene	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
Fluoranthene	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
Pyrene	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
Benzo(a)anthracene	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
Chrysene	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
Di-n-octylphthalate	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
Benzo(b)fluoranthene	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
Benzo(k)fluoranthene	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
Benzo(a)pyrene	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
Dibenzo(a,h)anthracene	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
Benzo(ghi)perylene	ug/kg	ND(370)	A	ND(370)	A	ND(390)	A	ND(440)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(9)	A	ND(9)	A	ND(9.5)	J5	NA	
Dieldrin	ug/kg	ND(18)	A	ND(18)	A	ND(19)	J5	NA	
4,4'-DDD	ug/kg	ND(18)	A	ND(18)	A	ND(19)	J5	NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW38A		IR04MW38A		IR04MW38A		IR04MW38A
Sample Depth(feet):		3.75		5.75		10.75		15.75
Sample Number:		9048N225		9048N226		9048N227		9048N228
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/29/90		11/29/90		11/29/90		11/29/90
Lab Sample Number:		69814		69815		69816		69820
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-PEST/PCB (cont.)								
4,4'-DDT	ug/kg	ND(18)	A	ND(18)	A	ND(19)	J5	NA	
Aroclor-1254	ug/kg	ND(180)	A	ND(180)	A	ND(190)	J5	NA	
Aroclor-1260	ug/kg	ND(180)	A	ND(180)	A	ND(190)	J5	NA	
TPH DIESEL								
TPH-Diesel	mg/kg	17	A	29	A	NA		NA	
TPH GAS								
TPH-Gasoline	mg/kg	ND(1.1)	A	ND(1.1)	J3	NA		NA	
OIL & GREASE								
Total Oil & Grease	mg/kg	48	J	32.6	J	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW38A		IR04MW38A		IR04MW39A		IR04MW39A
Sample Depth(feet):		20.75		25.75		1.50		3.50
Sample Number:		9048N229		9048N230		9047N161		9047N162
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/29/90		11/29/90		11/19/90		11/19/90
Lab Sample Number:		69821		69822		69008		69009
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(6.3)	A	ND(6.2)	A	ND(5.6)	A	ND(5.5)	J5
Acetone	ug/kg	ND(13)	U1	17	A	ND(13)	U1	ND(11)	J5
Carbon disulfide	ug/kg	28	A	ND(6.2)	A	ND(5.6)	A	ND(5.5)	J5
1,1-Dichloroethane	ug/kg	ND(6.3)	A	ND(6.2)	A	ND(5.6)	A	ND(5.5)	J5
Chloroform	ug/kg	ND(6.3)	A	ND(6.2)	A	ND(5.6)	A	ND(5.5)	J5
1,2-Dichloroethane	ug/kg	ND(6.3)	A	ND(6.2)	A	ND(5.6)	A	ND(5.5)	J5
1,1,1-Trichloroethane	ug/kg	ND(6.3)	A	ND(6.2)	A	ND(5.6)	A	ND(5.5)	J5
Trichloroethene	ug/kg	ND(6.3)	A	ND(6.2)	A	ND(5.6)	A	ND(5.5)	J5
1,1,2-Trichloroethane	ug/kg	ND(6.3)	A	ND(6.2)	A	ND(5.6)	A	ND(5.5)	J5
Benzene	ug/kg	ND(6.3)	A	ND(6.2)	A	ND(5.6)	A	7.3	J5
Tetrachloroethene	ug/kg	ND(6.3)	A	ND(6.2)	A	ND(5.6)	A	ND(5.5)	J5
Toluene	ug/kg	130	F	4.1	JF	14	F	25	FJ5
Ethyl benzene	ug/kg	ND(6.3)	A	ND(6.2)	A	ND(5.6)	A	ND(5.5)	J5
Xylenes	ug/kg	ND(6.3)	A	ND(6.2)	A	ND(5.6)	A	ND(5.5)	J5
CLP-SOC									
Naphthalene	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
2-Methylnaphthalene	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
Phenanthrene	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
Fluoranthene	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
Pyrene	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
Benzo(a)anthracene	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
Chrysene	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
Di-n-octylphthalate	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
Benzo(b)fluoranthene	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
Benzo(k)fluoranthene	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
Benzo(a)pyrene	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
Dibenzo(a,h)anthracene	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
Benzo(ghi)perylene	ug/kg	ND(410)	A	ND(820)	J5	ND(3700)	J5	ND(360)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	NA		NA		ND(9)	A	ND(8)	A
Dieldrin	ug/kg	NA		NA		ND(18)	A	ND(18)	A
4,4'-DDD	ug/kg	NA		NA		ND(48)	U1/B	ND(18)	U1

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:	IR04MW38A	IR04MW38A	IR04MW39A	IR04MW39A
Sample Depth(feet):	20.75	25.75	1.50	3.50
Sample Number:	9048N229	9048N230	9047N161	9047N162
Matrix:	SOIL	SOIL	SOIL	SOIL
Sample Date:	11/29/90	11/29/90	11/19/90	11/19/90
Lab Sample Number:	69821	69822	69008	69009

Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	NA		NA		ND(55)	U1/B	ND(22)	U1
Aroclor-1254	ug/kg	NA		NA		ND(180)	A	ND(180)	A
Aroclor-1260	ug/kg	NA		NA		ND(180)	A	ND(180)	A
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		360	A	ND(11)	A
TPH GAS									
TPH-Gasoline	mg/kg	NA		NA		6.5	A	ND(1.1)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		4760	A	125	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW39A		IR04MW39A		IR04MW39A		IR04MW39A
Sample Depth(feet):		5.50		10.50		15.50		20.50
Sample Number:		9047N163		9047N164		9047N165		9047N166
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/19/90		11/19/90		11/19/90		11/19/90
Lab Sample Number:		69010		69011		69012		69013
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.7)	J5	ND(5.7)	J5	ND(5.7)	A	ND(5.8)	J35
Acetone	ug/kg	ND(11)	J5	ND(11)	J5	ND(11)	A	ND(12)	J35
Carbon disulfide	ug/kg	ND(5.7)	J5	ND(5.7)	J5	ND(5.7)	A	ND(5.8)	J35
1,1-Dichloroethane	ug/kg	ND(5.7)	J5	ND(5.7)	J5	ND(5.7)	A	ND(5.8)	J35
Chloroform	ug/kg	ND(5.7)	J5	ND(5.7)	J5	ND(5.7)	A	ND(5.8)	J35
1,2-Dichloroethane	ug/kg	ND(5.7)	J5	ND(5.7)	J5	ND(5.7)	A	ND(5.8)	J35
1,1,1-Trichloroethane	ug/kg	ND(5.7)	J5	ND(5.7)	J5	ND(5.7)	A	ND(5.8)	J35
Trichloroethene	ug/kg	ND(5.7)	J5	ND(5.7)	J5	ND(5.7)	A	ND(5.8)	J35
1,1,2-Trichloroethane	ug/kg	ND(5.7)	J5	ND(5.7)	J5	ND(5.7)	A	ND(5.8)	J35
Benzene	ug/kg	ND(5.7)	J5	ND(5.7)	J5	ND(5.7)	A	ND(5.8)	J35
Tetrachloroethene	ug/kg	ND(5.7)	J5	ND(5.7)	J5	ND(5.7)	A	ND(5.8)	J35
Toluene	ug/kg	35	FJ5	120	FJ5	16	F	12	FJ35
Ethyl benzene	ug/kg	ND(5.7)	J5	ND(5.7)	J5	ND(5.7)	A	ND(5.8)	J35
Xylenes	ug/kg	ND(5.7)	J5	ND(5.7)	J5	ND(5.7)	A	ND(5.8)	J35
CLP-SOC									
Naphthalene	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
2-Methylnaphthalene	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
Phenanthrene	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
Fluoranthene	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
Pyrene	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
Benzo(a)anthracene	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
Chrysene	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
Di-n-octylphthalate	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
Benzo(b)fluoranthene	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
Benzo(k)fluoranthene	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
Benzo(a)pyrene	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
Dibenzo(a,h)anthracene	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
Benzo(ghi)perylene	ug/kg	ND(370)	A	ND(380)	A	ND(380)	A	ND(380)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(8)	A	ND(8)	A	NA		NA	
Dieldrin	ug/kg	ND(18)	A	ND(18)	A	NA		NA	
4,4'-DDD	ug/kg	ND(19)	U1	ND(21)	U1	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW39A		IR04MW39A		IR04MW39A		IR04MW39A
Sample Depth(feet):		5.50		10.50		15.50		20.50
Sample Number:		9047N163		9047N164		9047N165		9047N166
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/19/90		11/19/90		11/19/90		11/19/90
Lab Sample Number:		69010		69011		69012		69013
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	ND(31)	U1	ND(33)	U1	NA		NA	
Aroclor-1254	ug/kg	ND(180)	A	ND(180)	A	NA		NA	
Aroclor-1260	ug/kg	ND(180)	A	ND(180)	A	NA		NA	
TPH DIESEL									
TPH-Diesel	mg/kg	ND(11)	A	ND(11)	A	NA		NA	
TPH GAS									
TPH-Gasoline	mg/kg	ND(1.1)	A	ND(1.1)	J5	NA		NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	48.3	JA	228	A	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW39A		IR04MW39A		IR04MW40A		IR04MW40A	
Sample Depth(feet):		25.50		30.50		1.50		3.50	
Sample Number:		9047N167		9047N168		9048N202		9048N203	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/19/90		11/19/90		11/28/90		11/28/90	
Lab Sample Number:		69014		69015		69463		69464	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Methylene chloride	ug/kg	ND(7.2)	A	ND(6.8)	J5	ND(5.6)	J5	ND(5.6)	J3
Acetone	ug/kg	ND(14)	A	ND(14)	J5	ND(11)	J5	ND(11)	J3
Carbon disulfide	ug/kg	ND(7.2)	A	22	J5	ND(5.6)	J5	ND(5.6)	J3
1,1-Dichloroethane	ug/kg	ND(7.2)	A	ND(6.8)	J5	ND(5.6)	J5	ND(5.6)	J3
Chloroform	ug/kg	ND(7.2)	A	ND(6.8)	J5	ND(5.6)	J5	ND(5.6)	J3
1,2-Dichloroethane	ug/kg	ND(7.2)	A	ND(6.8)	J5	ND(5.6)	J5	ND(5.6)	J3
1,1,1-Trichloroethane	ug/kg	ND(7.2)	A	ND(6.8)	J5	ND(5.6)	J5	ND(5.6)	J3
Trichloroethene	ug/kg	ND(7.2)	A	ND(6.8)	J5	ND(5.6)	J5	ND(5.6)	J3
1,1,2-Trichloroethane	ug/kg	ND(7.2)	A	ND(6.8)	J5	ND(5.6)	J5	ND(5.6)	J3
Benzene	ug/kg	ND(7.2)	A	ND(6.8)	J5	ND(5.6)	J5	ND(5.6)	J3
Tetrachloroethene	ug/kg	ND(7.2)	A	ND(6.8)	J5	ND(5.6)	J5	ND(5.6)	J3
Toluene	ug/kg	30	F	77	FJ5	12	FJ5	190	FJ3
Ethyl benzene	ug/kg	ND(7.2)	A	ND(6.8)	J5	ND(5.6)	J5	ND(5.6)	J3
Xylenes	ug/kg	ND(7.2)	A	ND(6.8)	J5	ND(5.6)	J5	ND(5.6)	J3
CLP-SOC									
Naphthalene	ug/kg	ND(480)	A	ND(900)	A	ND(370)	A	ND(740)	A
2-Methylnaphthalene	ug/kg	ND(480)	A	ND(900)	A	ND(370)	A	ND(740)	A
Phenanthrene	ug/kg	ND(480)	A	ND(900)	A	ND(370)	A	ND(740)	A
Fluoranthene	ug/kg	ND(480)	A	ND(900)	A	ND(370)	A	ND(740)	A
Pyrene	ug/kg	ND(480)	A	ND(900)	A	ND(370)	A	ND(740)	A
Benzo(a)anthracene	ug/kg	ND(480)	A	ND(900)	A	ND(370)	A	ND(740)	A
Chrysene	ug/kg	ND(480)	A	ND(900)	A	ND(370)	A	ND(740)	A
Bis(2-ethylhexyl)phthalate	ug/kg	ND(480)	A	ND(900)	A	750	A	960	D
Di-n-octylphthalate	ug/kg	ND(480)	A	ND(900)	A	ND(370)	A	ND(740)	A
Benzo(b)fluoranthene	ug/kg	ND(480)	A	ND(900)	A	ND(370)	A	ND(740)	A
Benzo(k)fluoranthene	ug/kg	ND(480)	A	ND(900)	A	ND(370)	A	ND(740)	A
Benzo(a)pyrene	ug/kg	ND(480)	A	ND(900)	A	ND(370)	A	ND(740)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(480)	A	ND(900)	A	ND(370)	A	ND(740)	A
Dibenzo(a,h)anthracene	ug/kg	ND(480)	A	ND(900)	A	ND(370)	A	ND(740)	A
Benzo(ghi)perylene	ug/kg	ND(480)	A	ND(900)	A	ND(370)	A	ND(740)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	NA		NA		ND(9)	A	ND(9)	A
Dieldrin	ug/kg	NA		NA		ND(18)	A	ND(18)	A
4,4'-DDD	ug/kg	NA		NA		ND(18)	A	ND(18)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:	IR04MW39A		IR04MW39A		IR04MW40A		IR04MW40A	
Sample Depth(feet):	25.50		30.50		1.50		3.50	
Sample Number:	9047N167		9047N168		9048N202		9048N203	
Matrix:	SOIL		SOIL		SOIL		SOIL	
Sample Date:	11/19/90		11/19/90		11/28/90		11/28/90	
Lab Sample Number:	69014		69015		69463		69464	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-PEST/PCB (cont.)									
4,4'-DDT	ug/kg	NA		NA		ND(18)	A	ND(18)	A
Aroclor-1254	ug/kg	NA		NA		ND(180)	A	ND(180)	A
Aroclor-1260	ug/kg	NA		NA		ND(180)	A	180	A
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		89	A	100	A
TPH GAS									
TPH-Gasoline	mg/kg	NA		NA		ND(1.1)	A	ND(1.1)	A
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		242	A	811	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW40A		IR04MW40A		IR04MW40A		IR04MW40A
Sample Depth(feet):		5.50		10.50		15.50		20.50
Sample Number:		9048N204		9048N205		9048N206		9048N207
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/28/90		11/28/90		11/28/90		11/28/90
Lab Sample Number:		69465		69466		69467		69468
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(5.8)	A	ND(5.7)	A	ND(6.1)	A	ND(6.6)	A
Acetone	ug/kg	ND(12)	A	ND(11)	A	ND(12)	A	ND(13)	A
Carbon disulfide	ug/kg	ND(5.8)	A	ND(5.7)	A	ND(6.1)	A	ND(6.6)	A
1,1-Dichloroethane	ug/kg	ND(5.8)	A	ND(5.7)	A	ND(6.1)	A	ND(6.6)	A
Chloroform	ug/kg	ND(5.8)	A	ND(5.7)	A	ND(6.1)	A	ND(6.6)	A
1,2-Dichloroethane	ug/kg	ND(5.8)	A	ND(5.7)	A	ND(6.1)	A	ND(6.6)	A
1,1,1-Trichloroethane	ug/kg	ND(5.8)	A	ND(5.7)	A	ND(6.1)	A	ND(6.6)	A
Trichloroethene	ug/kg	ND(5.8)	A	ND(5.7)	A	ND(6.1)	A	ND(6.6)	A
1,1,2-Trichloroethane	ug/kg	ND(5.8)	A	ND(5.7)	A	ND(6.1)	A	ND(6.6)	A
Benzene	ug/kg	ND(5.8)	A	ND(5.7)	A	ND(6.1)	A	ND(6.6)	A
Tetrachloroethene	ug/kg	ND(5.8)	A	ND(5.7)	A	ND(6.1)	A	ND(6.6)	A
Toluene	ug/kg	37	F	ND(5.7)	F	3.8	F/J	20	F
Ethyl benzene	ug/kg	ND(5.8)	A	ND(5.7)	A	ND(6.1)	A	ND(6.6)	A
Xylenes	ug/kg	ND(5.8)	A	ND(5.7)	A	ND(6.1)	A	ND(6.6)	A
CLP-SOC									
Naphthalene	ug/kg	ND(390)	A	ND(370)	A	ND(400)	J3	ND(430)	A
2-Methylnaphthalene	ug/kg	ND(390)	A	ND(370)	A	ND(400)	J3	ND(430)	A
Phenanthrene	ug/kg	ND(390)	A	ND(370)	A	ND(400)	J3	ND(430)	A
Fluoranthene	ug/kg	ND(390)	A	ND(370)	A	ND(400)	J3	ND(430)	A
Pyrene	ug/kg	ND(390)	A	ND(370)	A	ND(400)	J3	ND(430)	A
Benzo(a)anthracene	ug/kg	ND(390)	A	ND(370)	A	ND(400)	J3	ND(430)	A
Chrysene	ug/kg	ND(390)	A	ND(370)	A	ND(400)	J3	ND(430)	A
Bis(2-ethylhexyl)phthalate	ug/kg	730	A	1200	A	680	J3/B	590	A
Di-n-octylphthalate	ug/kg	ND(390)	A	ND(370)	A	ND(400)	J3	ND(430)	A
Benzo(b)fluoranthene	ug/kg	ND(390)	A	ND(370)	A	ND(400)	J3	ND(430)	A
Benzo(k)fluoranthene	ug/kg	ND(390)	A	ND(370)	A	ND(400)	J3	ND(430)	A
Benzo(a)pyrene	ug/kg	ND(390)	A	ND(370)	A	ND(400)	J3	ND(430)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(390)	A	ND(370)	A	ND(400)	J3	ND(430)	A
Dibenzo(a,h)anthracene	ug/kg	ND(390)	A	ND(370)	A	ND(400)	J3	ND(430)	A
Benzo(ghi)perylene	ug/kg	ND(390)	A	ND(370)	A	ND(400)	J3	ND(430)	A
CLP-PEST/PCB									
Heptachlor epoxide	ug/kg	ND(9.4)	A	ND(9)	A	NA		NA	
Dieldrin	ug/kg	ND(19)	A	ND(18)	A	NA		NA	
4,4'-DDD	ug/kg	ND(19)	A	ND(18)	A	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW40A		IR04MW40A		IR04MW40A		IR04MW40A
Sample Depth(feet):		5.50		10.50		15.50		20.50
Sample Number:		9048N204		9048N205		9048N206		9048N207
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/28/90		11/28/90		11/28/90		11/28/90
Lab Sample Number:		69465		69466		69467		69468
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-PEST/PCB (cont.)								
4,4'-DDT	ug/kg	ND(19)	A	ND(18)	A	NA		NA	
Aroclor-1254	ug/kg	ND(190)	A	ND(180)	A	NA		NA	
Aroclor-1260	ug/kg	ND(190)	A	ND(180)	A	NA		NA	
TPH DIESEL								
TPH-Diesel	mg/kg	120	A	92	A	NA		NA	
TPH GAS								
TPH-Gasoline	mg/kg	ND(1.2)	A	ND(1.1)	A	NA		NA	
OIL & GREASE								
Total Oil & Grease	mg/kg	196	A	116	A	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:	IR04MW40A
Sample Depth(feet):	30.50
Sample Number:	9048N208
Matrix:	SOIL
Sample Date:	11/28/90
Lab Sample Number:	69469

Test Method/Analyte Name	Units	value	qual
CLP-VOC			
Methylene chloride	ug/kg	ND(8.1)	A
Acetone	ug/kg	ND(16)	A
Carbon disulfide	ug/kg	ND(8.1)	A
1,1-Dichloroethane	ug/kg	ND(8.1)	A
Chloroform	ug/kg	ND(8.1)	A
1,2-Dichloroethane	ug/kg	ND(8.1)	A
1,1,1-Trichloroethane	ug/kg	ND(8.1)	A
Trichloroethene	ug/kg	ND(8.1)	A
1,1,2-Trichloroethane	ug/kg	ND(8.1)	A
Benzene	ug/kg	ND(8.1)	A
Tetrachloroethene	ug/kg	ND(8.1)	A
Toluene	ug/kg	ND(8.1)	F
Ethyl benzene	ug/kg	ND(8.1)	A
Xylenes	ug/kg	ND(8.1)	A
CLP-SOC			
Naphthalene	ug/kg	ND(530)	A
2-Methylnaphthalene	ug/kg	ND(530)	A
Phenanthrene	ug/kg	ND(530)	A
Fluoranthene	ug/kg	ND(530)	A
Pyrene	ug/kg	ND(530)	A
Benzo(a)anthracene	ug/kg	ND(530)	A
Chrysene	ug/kg	ND(530)	A
Bis(2-ethylhexyl)phthalate	ug/kg	510	J
Di-n-octylphthalate	ug/kg	ND(530)	A
Benzo(b)fluoranthene	ug/kg	ND(530)	A
Benzo(k)fluoranthene	ug/kg	ND(530)	A
Benzo(a)pyrene	ug/kg	ND(530)	A
Indeno(1,2,3-cd)pyrene	ug/kg	ND(530)	A
Dibenzo(a,h)anthracene	ug/kg	ND(530)	A
Benzo(ghi)perylene	ug/kg	ND(530)	A
CLP-PEST/PCB			
Heptachlor epoxide	ug/kg	NA	
Dieldrin	ug/kg	NA	
4,4'-DDD	ug/kg	NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-1
Analytical Results for Organic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:	IR04MW40A
Sample Depth(feet):	30.50
Sample Number:	9048N208
Matrix:	SOIL
Sample Date:	11/28/90
Lab Sample Number:	69469

Test Method/Analyte Name	Units	value	qual
CLP-PEST/PCB (cont.)			
4,4'-DDT	ug/kg	NA	
Aroclor-1254	ug/kg	NA	
Aroclor-1260	ug/kg	NA	
TPH DIESEL			
TPH-Diesel	mg/kg	NA	
TPH GAS			
TPH-Gasoline	mg/kg	NA	
OIL & GREASE			
Total Oil & Grease	mg/kg	NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Validation Assigned Qualifiers

A: Data is acceptable based on a review of laboratory and field QC samples and holding times as discussed in the text.

F: The presence of this compound is due to suspected field contamination.

J3: Analytical results for this compound are qualified as estimated due to poor spike recoveries.

J5: Analytical results for this compound are qualified as estimated due to holding time exceedances.

J7: Analytical results for this compound are qualified as estimated due to linearity problems in the initial calibration.

J8: Analytical results for this compound are qualified as estimated due to detection of the compound above the instrument calibration range.

R1: Analytical results for this compound are qualified as rejected due to holding time exceedances.

R2: Analytical results for this compound are qualified as rejected due to poor spike recoveries.

U1: Compound is qualified as non-detected due to its occurrence in the laboratory blanks.

U2: Compound is qualified as non-detected due to its occurrence in the field blanks.

V: Sample has undergone full CLP validation.

Laboratory Assigned Qualifiers

B: Compound is also detected in the laboratory method blank.

#,b: Analytical results should not be considered reliable for this common lab contaminant.

D: Compound is identified in an analysis at a secondary dilution factor.

E: Concentration exceeds the calibration range of the GC/MS instrument for the specific analysis.

G: Reporting limit raised due to matrix interference.

J: Result is detected below the reporting limit or is an estimated concentration.

j: All reporting limits for this sample raised due to matrix interferences.

l: If 'l' is attached to a diesel result, then either the hydrocarbons present in this sample represent an unknown mixture at a concentrtion of less than 45 mg/kg, or the hydrocarbons present in this sample do not fit the diesel pattern, but are found in the diesel range. (Quantification was based upon diesel references.) If 'l' is attached to a gasoline result, then this sample contains late eluting hydrocarbons. Early gasoline peaks are below reporting limits.

o: Reporting limit raised due to high level of analyte present in sample.

Laboratory Assigned Qualifiers (Continued...)

r: Reporting limit changed due to sample volume limitations.

U: Compound was analyzed but not detected.

X,Y: Specific flag used to properly define the results. Qualifier is fully described in the Sample Data Summary Package and the Case Narrative.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B001		IR04B001		IR04B001		IR04B001	
Sample Depth(feet):		2.00		4.00		8.50		11.00	
Sample Number:		9046H404		9046H405		9046H406		9046H407	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/13/90		11/13/90		11/13/90		11/13/90	
Lab Sample Number:		68227		68228		68229		68230	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.23	A	0.19	A	0.14	A	0.36	A
CLP-FUAA									
Arsenic	mg/kg	1.6	B *	5	*	2.1	B *	3.8	S *
Lead	mg/kg	67.4	A	9	S	3.6	S	5.8	A
Selenium	mg/kg	ND(1.1)	N W	ND(1.1)	N W	ND(1.1)	N W	ND(1.1)	N W
Thallium	mg/kg	ND(1.1)	W	ND(1.1)	A	ND(1.1)	A	ND(1.1)	W
CLP-ICP									
Aluminum	mg/kg	12000	A	22800	A	13800	A	29000	A
Antimony	mg/kg	ND(10.7)	R2/N	ND(11.3)	R2/N	ND(11.4)	R2/N	ND(11.1)	R2/N
Barium	mg/kg	49.5	J3/NB	73.5	J3/N	113	J3/N	203	J3/N
Beryllium	mg/kg	ND(0.43)	J3/N	ND(0.45)	J3/N	ND(0.45)	J3/N	ND(0.44)	J3/N
Cadmium	mg/kg	8.6	A	8.5	A	7.4	A	9.4	A
Calcium	mg/kg	10700	*	50400	*	7700	*	3790	*
Chromium	mg/kg	359	J3/N	137	J3/N	693	J3/N	1150	J3/N
Cobalt	mg/kg	75.2	J3/N	29.7	J3/N	75.2	J3/N	76.2	J3/N
Copper	mg/kg	27	J3/N	41.5	J3/N	14.9	J3/N	24.2	J3/N
Iron	mg/kg	41800	A	32500	A	42800	A	47500	A
Magnesium	mg/kg	133000	A	29500	A	184000	A	187000	A
Manganese	mg/kg	862	A	695	A	852	A	1180	A
Nickel	mg/kg	1420	J3/N	205	J3/N	1290	J3/N	1390	J3/N
Potassium	mg/kg	466	B	1580	A	491	B	98.9	B
Silver	mg/kg	ND(2.1)	R2/N	ND(2.3)	R2/N	ND(2.3)	R2/N	ND(2.2)	R2/N
Sodium	mg/kg	160	B	1240	A	861	B	497	B
Vanadium	mg/kg	51.2	J3/N	81.2	J3/N	44.3	J3/N	69.9	J3/N
Zinc	mg/kg	71.3	J3/N	64.4	J3/N	35.4	J3/N	58.8	J3/N
Molybdenum	mg/kg	ND(2.1)	A	ND(2.3)	A	ND(2.3)	A	ND(2.2)	A
EPA-9045									
pH	ph	8.6	A	8.7	A	9.3	A	9.4	A
EPA-600/M482020									
Chrysotile Asbestos	%	2	A	ND(1)	A	2	A	NA	
Amphibole Asbestos	%	ND(1)	A	ND(1)	A	ND(1)	A	NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B001		IR04B001		IR04B001		IR04B006	
Sample Depth(feet):		16.00		21.00		31.00		1.00	
Sample Number:		9046H408		9046H409		9046H410		9046H411	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/13/90		11/13/90		11/13/90		11/13/90	
Lab Sample Number:		68234		68235		68236		68231	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	1.3	A	0.14	A	0.12	A	1.6	A
CLP-FUAA									
Arsenic	mg/kg	4.3	W *	2.8	*	9.4	*	5.8	S *
Lead	mg/kg	5.5	A	6.5	A	22.2	A	899	A
Selenium	mg/kg	ND(1.1)	N W	ND(1.2)	N W	ND(1.6)	N W	ND(1)	N W
Thallium	mg/kg	ND(1.1)	W	ND(1.2)	A	ND(1.6)	A	ND(1)	W
CLP-ICP									
Aluminum	mg/kg	20200	A	22700	A	31500	A	9570	A
Antimony	mg/kg	ND(11)	R2/N	ND(11.6)	R2/N	ND(15.7)	R2/N	ND(10.5)	R2/N
Barium	mg/kg	391	J3/N	156	J3/N	47.8	J3/BN	420	J3/N
Beryllium	mg/kg	0.56	J3/BN	ND(0.46)	J3/N	0.97	J3/BN	0.81	J3/BN
Cadmium	mg/kg	7.4	A	8.5	A	11.8	A	7.5	A
Calcium	mg/kg	10700	*	10800	*	4820	*	201000	*
Chromium	mg/kg	380	J3/N	402	J3/N	92.8	J3/N	58.4	J3/N
Cobalt	mg/kg	54.1	J3/N	50.9	J3/N	21.6	J3/N	7	J3/BN
Copper	mg/kg	54.8	J3/N	41.1	J3/N	39.9	J3/N	305	J3/N
Iron	mg/kg	37900	A	39700	A	45900	A	18000	A
Magnesium	mg/kg	83800	A	104000	A	15300	A	6330	A
Manganese	mg/kg	2550	A	1030	A	463	A	509	A
Nickel	mg/kg	721	J3/N	761	J3/N	102	J3/N	79	J3/N
Potassium	mg/kg	874	B	1010	B	5330	A	1250	A
Silver	mg/kg	ND(2.2)	R2/N	ND(2.3)	R2/N	ND(3.1)	R2	ND(2.1)	R2/N
Sodium	mg/kg	520	B	1720	A	4640	A	ND(19.9)	U1
Vanadium	mg/kg	71	J3/N	67.9	J3/N	81.9	J3/N	136	J3/N
Zinc	mg/kg	76.3	J3/N	55.6	J3/N	96.5	J3/N	349	J3/N
Molybdenum	mg/kg	ND(2.2)	A	ND(2.3)	A	ND(3.1)	A	ND(2.1)	A
EPA-9045									
pH	ph	7.9	A	7.9	A	8.6	A	8	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		ND(1)	A
Amphibole Asbestos	%	NA		NA		NA		ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B006		IR04B006		IR04B014		IR04B014	
Sample Depth(feet):		3.50		6.00		2.00		3.00	
Sample Number:		9046H412		9046H413		9046G470		9046G471	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/13/90		11/13/90		11/14/90		11/14/90	
Lab Sample Number:		68232		68233		68350		68351	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.13	A	0.13	A	0.15	*	0.19	*
CLP-FUAA									
Arsenic	mg/kg	8.3	*	3.1	*	1.7	B	5.6	A
Lead	mg/kg	113	A	4.4	A	6.8	J3/N	150	J3/N
Selenium	mg/kg	ND(1.1)	N W	ND(1.1)	N W	ND(1.2)	J3/W N	ND(1.2)	J3/W N
Thallium	mg/kg	ND(1.1)	A	ND(1.1)	W	ND(1.2)	A	ND(1.2)	A
CLP-ICP									
Aluminum	mg/kg	27300	A	15100	A	24900	A	18700	A
Antimony	mg/kg	ND(10.7)	R2/N	ND(11.2)	R2/N	ND(11.6)	R2/N	ND(12.5)	R2/N
Barium	mg/kg	176	J3/N	102	J3/N	201	*	80.5	*
Beryllium	mg/kg	0.64	J3/BN	ND(0.45)	J3/N	ND(0.46)	A	ND(0.5)	A
Cadmium	mg/kg	9.9	A	9.3	A	9.2	*	9	*
Calcium	mg/kg	18300	*	5150	*	17500	*	9500	*
Chromium	mg/kg	223	J3/N	565	J3/N	341	*	254	*
Cobalt	mg/kg	34.4	J3/N	87.3	J3/N	58.1	A	51.7	A
Copper	mg/kg	70	J3/N	16.7	J3/N	46.3	A	1970	A
Iron	mg/kg	42800	A	49000	A	45800	A	44600	A
Magnesium	mg/kg	53800	A	203000	A	107000	A	85300	A
Manganese	mg/kg	929	A	722	A	1210	A	1160	A
Nickel	mg/kg	425	J3/N	1750	J3/N	857	A	786	A
Potassium	mg/kg	2170	A	318	B	1510	A	956	B
Silver	mg/kg	ND(2.1)	R2/N	ND(2.2)	R2/N	ND(2.3)	R2/N	ND(2.5)	R2/N
Sodium	mg/kg	422	B	291	B	1970	E	1000	E
Vanadium	mg/kg	75.3	J3/N	45.7	J3/N	79.6	A	68	A
Zinc	mg/kg	87.5	J3/N	44.3	J3/N	66.5	E	207	E
Molybdenum	mg/kg	ND(2.1)	A	ND(2.2)	A	ND(2.3)	A	ND(2.5)	A
EPA-9045									
pH	ph	8.4	A	8.4	A	9.1	A	9.3	A
EPA-600/M482020									
Chrysotile Asbestos	%	3	A	5	A	ND(1)	A	2	A
Amphibole Asbestos	%	ND(1)	A	ND(1)	A	ND(1)	A	ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B014		IR04B014		IR04B014		IR04B014
Sample Depth(feet):		5.00		10.00		15.50		20.00
Sample Number:		9046G472		9046G473		9046G476		9046G477
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/14/90		11/14/90		11/14/90
Lab Sample Number:		68352		68353		68358		68359
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.11	*	0.11	*	0.086	*	0.058	B*
CLP-FUAA									
Arsenic	mg/kg	2.4	A	4.6	A	4.9	A	ND(1.3)	A
Lead	mg/kg	24.2	J3/N	7.1	J3/N	1.7	J3/N	1.6	J3/N
Selenium	mg/kg	ND(1.2)	J3/N	ND(1.3)	J3/W N	ND(1.3)	J3/W N	ND(1.3)	J3/W N
Thallium	mg/kg	ND(1.2)	A	ND(1.3)	A	ND(1.3)	A	ND(1.3)	A
CLP-ICP									
Aluminum	mg/kg	39300	A	33800	A	8450	A	4740	A
Antimony	mg/kg	ND(12)	R2/N	ND(12.7)	R2/N	ND(13.3)	R2/N	ND(13.1)	R2/N
Barium	mg/kg	241	*	203	*	32.8	B *	8.6	B *
Beryllium	mg/kg	1.2	A	0.7	B	ND(0.53)	A	ND(0.52)	A
Cadmium	mg/kg	11.4	*	9.3	*	4.4	*	4.3	*
Calcium	mg/kg	23700	*	24100	*	6170	*	554	B *
Chromium	mg/kg	291	*	330	*	669	*	877	*
Cobalt	mg/kg	56.2	A	40.5	A	80.6	A	68	A
Copper	mg/kg	56.6	A	44.5	A	12.1	A	6	A
Iron	mg/kg	57100	A	45500	A	40000	A	38400	A
Magnesium	mg/kg	99100	A	76600	A	236000	A	242000	A
Manganese	mg/kg	1160	A	875	A	690	A	574	A
Nickel	mg/kg	675	A	582	A	1560	A	1490	A
Potassium	mg/kg	1100	B	1400	A	372	B	57.5	B
Silver	mg/kg	ND(2.4)	R2/N	ND(2.5)	R2/N	ND(2.7)	R2/N	ND(2.6)	R2/N
Sodium	mg/kg	1730	E	958	B E	328	B E	278	B E
Vanadium	mg/kg	173	A	79.9	A	26.5	A	23.7	A
Zinc	mg/kg	84.6	E	76.3	E	25.6	E	16.5	E
Molybdenum	mg/kg	ND(2.4)	A	ND(2.5)	A	ND(2.7)	A	ND(2.6)	A
EPA-9045									
pH	ph	8.8	A	9.2	A	9.2	A	8.5	A
EPA-600/M482020									
Chrysotile Asbestos	%	1	A	NA		NA		NA	
Amphibole Asbestos	%	ND(1)	A	NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B018		IR04B018		IR04B018		IR04B018	
Sample Depth(feet):		1.50		3.50		5.50		10.50	
Sample Number:		9047N169		9047N170		9047N171		9047N172	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/20/90		11/20/90		11/20/90		11/20/90	
Lab Sample Number:		69136		69137		69138		69139	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.093	BA	0.13	A	0.074	A	ND(0.059)	A
CLP-FUAA									
Arsenic	mg/kg	9.6	A	3	S	6	A	ND(1.18)	W
Lead	mg/kg	6.8	*	3.7	*	5.7	*	ND(0.47)	*
Selenium	mg/kg	ND(1.11)	J3	ND(1.1)	J3/W	ND(1.16)	J3/W	ND(1.18)	J3/W
Thallium	mg/kg	ND(1.11)	A	ND(1.1)	W	ND(1.16)	W	ND(1.18)	W
CLP-ICP									
Aluminum	mg/kg	33000	A	16800	A	26400	A	7000	A
Antimony	mg/kg	83.1	J3/N	67.8	J3/N	80.9	J3/N	62.5	J3/N
Barium	mg/kg	173	A	118	A	70.8	A	12	B
Beryllium	mg/kg	0.74	B	0.42	B	0.66	B	ND(0.12)	A
Cadmium	mg/kg	7.2	A	5.6	A	6.1	A	5.6	A
Calcium	mg/kg	12200	A	8450	A	5260	A	1070	B
Chromium	mg/kg	317	A	445	A	478	A	1320	A
Cobalt	mg/kg	39.5	A	51.9	A	50.1	A	89.9	A
Copper	mg/kg	38.9	A	32.3	A	34.6	A	15.8	A
Iron	mg/kg	42800	A	36500	A	41200	A	34600	A
Magnesium	mg/kg	71200	A	92200	A	99500	A	223000	A
Manganese	mg/kg	807	A	717	A	724	A	599	A
Nickel	mg/kg	576	A	865	A	841	A	1900	A
Potassium	mg/kg	974	B	675	B	736	B	ND(40.1)	A
Silver	mg/kg	1.4	B	1.5	B	1.5	B	3.1	A
Sodium	mg/kg	431	B	360	B	280	B	222	B
Vanadium	mg/kg	65.9	A	51.5	A	60.7	A	31.6	A
Zinc	mg/kg	64	A	45.8	A	56.9	A	18.1	A
Molybdenum	mg/kg	3.8	A	2.7	A	3.9	A	1.8	B
EPA-9045									
pH	ph	8.3	A	8.5	A	8.1	A	8.4	A
EPA-600/M482020									
Chrysotile Asbestos	%	ND(1)	A	2	A	3	A	NA	
Amphibole Asbestos	%	ND(1)	A	ND(1)	A	ND(1)	A	NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B018		IR04B018		IR04B018		IR04B018	
Sample Depth(feet):		15.50		20.50		25.50		30.50	
Sample Number:		9047N173		9047N174		9047N175		9047N176	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/20/90		11/20/90		11/20/90		11/20/90	
Lab Sample Number:		69144		69145		69146		69147	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.051	BA	ND(0.06)	A	0.076	A	ND(0.064)	A
CLP-FUAA									
Arsenic	mg/kg	ND(1.16)	A	ND(1.2)	A	8.8	A	4.3	A
Lead	mg/kg	ND(0.46)	*	ND(0.48)	W *	6.3	S *	2.4	*
Selenium	mg/kg	ND(1.16)	J3/W	ND(1.2)	J3/W	ND(1.41)	J3/W	ND(1.27)	J3/W
Thallium	mg/kg	ND(1.16)	W	ND(1.2)	W	ND(1.41)	W	ND(1.27)	A
CLP-ICP									
Aluminum	mg/kg	3930	A	5230	A	18300	A	8070	A
Antimony	mg/kg	59.3	J3/N	48.9	J3/N	72.7	J3/N	29.9	J3
Barium	mg/kg	4.8	B	1.6	B	30.3	B	16	B
Beryllium	mg/kg	ND(0.12)	A	ND(0.12)	A	0.6	B	ND(0.13)	A
Cadmium	mg/kg	6.3	A	4.8	A	4.7	A	1.7	A
Calcium	mg/kg	32.4	A	33.5	A	10000	A	9440	A
Chromium	mg/kg	798	A	783	A	69.7	A	44.7	A
Cobalt	mg/kg	86.6	A	60.9	A	17.1	A	10.3	B
Copper	mg/kg	12	A	7.7	A	27.1	A	11.8	A
Iron	mg/kg	33000	A	27600	A	38300	A	14800	A
Magnesium	mg/kg	230000	A	231000	A	12100	A	5090	A
Manganese	mg/kg	622	A	509	A	353	A	136	A
Nickel	mg/kg	1720	A	1250	A	83.3	A	55.8	A
Potassium	mg/kg	45.2	A	46.7	A	3490	A	1290	A
Silver	mg/kg	1.16	A	3	A	ND(1.41)	A	ND(1.27)	A
Sodium	mg/kg	377	B	345	B	2460	A	976	B
Vanadium	mg/kg	19.6	A	20.9	A	58.7	A	33.3	A
Zinc	mg/kg	17.1	A	11.1	A	59.8	A	27	A
Molybdenum	mg/kg	1.5	B	1.3	B	3.9	A	2.1	B
EPA-9045									
pH	ph	8.5	A	8.6	A	9.2	A	8.9	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		NA	
Amphibole Asbestos	%	NA		NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B021		IR04B021		IR04B021		IR04B021
Sample Depth(feet):		1.00		3.00		5.00		10.00
Sample Number:		9046G478		9046G479		9046G480		9046G481
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/14/90		11/14/90		11/14/90
Lab Sample Number:		68354		68355		68356		68357
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.21	*	ND(0.06)	*	ND(0.057)	*	ND(0.06)	*
CLP-FUAA									
Arsenic	mg/kg	5.8	A	2.3	B	ND(1.1)	W	1.8	B
Lead	mg/kg	159	J3/N	2.4	J3/N	1.7	J3/N	2.7	J3/N
Selenium	mg/kg	ND(1.1)	J3/W N	ND(1.2)	J3/W N	ND(1.1)	J3/W N	ND(1.2)	J3/W N
Thallium	mg/kg	ND(1.1)	A	ND(1.2)	A	ND(1.1)	A	ND(1.2)	A
CLP-ICP									
Aluminum	mg/kg	11600	A	9310	A	36800	A	12300	A
Antimony	mg/kg	ND(11.1)	R2/N	ND(12.1)	R2/N	ND(11.4)	R2/N	ND(12)	R2/N
Barium	mg/kg	208	*	112	*	189	*	108	*
Beryllium	mg/kg	ND(0.44)	A	ND(0.48)	A	0.82	B	0.51	B
Cadmium	mg/kg	5.4	*	6.9	*	20.6	*	5.6	*
Calcium	mg/kg	101000	*	3280	*	29200	*	5790	*
Chromium	mg/kg	69.9	*	91.5	*	38.8	*	89.2	*
Cobalt	mg/kg	13.7	A	19.2	A	38.2	A	23.4	A
Copper	mg/kg	55.6	A	10.2	A	30.7	A	23.6	A
Iron	mg/kg	23200	A	30200	A	105000	A	26400	A
Magnesium	mg/kg	20600	A	5890	A	20100	A	6840	A
Manganese	mg/kg	541	A	699	A	2860	A	740	A
Nickel	mg/kg	146	A	163	A	81	A	74.5	A
Potassium	mg/kg	1160	A	668	B	780	B	486	B
Silver	mg/kg	ND(2.2)	R2/N	ND(2.4)	R2/N	ND(2.3)	R2/N	ND(2.4)	R2/N
Sodium	mg/kg	324	B E	950	B E	1350	E	633	B E
Vanadium	mg/kg	55.2	A	66	A	80.1	A	68.6	A
Zinc	mg/kg	98.8	E	39.5	E	218	E	44.7	E
Molybdenum	mg/kg	ND(2.2)	A	ND(2.4)	A	ND(2.3)	A	ND(2.4)	A
EPA-9045									
pH	ph	9.4	A	9.4	A	8.3	A	7.8	A
EPA-600/M482020									
Chrysotile Asbestos	%	10	A	15	A	ND(1)	A	NA	
Amphibole Asbestos	%	ND(1)	A	ND(1)	A	ND(1)	A	NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B021		IR04B021		IR04B022		IR04B022	
Sample Depth(feet):		15.50		20.00		1.75		3.75	
Sample Number:		9046G482		9046G485		9048N231		9048N232	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/14/90		11/14/90		11/30/90		11/30/90	
Lab Sample Number:		68360		68361		69809		69810	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.065)	*	0.052	B*	ND(0.055)	J2/N*	ND(0.055)	J2/N*
CLP-FUAA									
Arsenic	mg/kg	1.4	B	5.3	A	2.4	S	9.1	A
Lead	mg/kg	3.8	J3/N	1.9	J3/N	109	J23/*	36.8	J23/*
Selenium	mg/kg	ND(1.3)	J3/W N	ND(1.3)	J3/W N	1.1	N	ND(1.1)	WN
Thallium	mg/kg	ND(1.3)	A	ND(1.3)	A	ND(1.1)	A	ND(1.1)	A
CLP-ICP									
Aluminum	mg/kg	23700	A	18200	A	22900	A	32000	A
Antimony	mg/kg	ND(13.1)	R2/N	ND(12.7)	R2/N	85.7	J3/N	97.6	J3/N
Barium	mg/kg	159	*	63	*	186	A	179	A
Beryllium	mg/kg	0.67	B	ND(0.51)	A	0.8	B	1	B
Cadmium	mg/kg	159	*	6.9	*	3.2	*	5	*
Calcium	mg/kg	15900	*	28500	*	13900	J2/*	11200	J2/*
Chromium	mg/kg	154	*	143	*	268	J2/*	270	J2/*
Cobalt	mg/kg	42.4	A	29.5	A	45.8	A	38.7	A
Copper	mg/kg	34.2	A	25	A	41.5	J3/N*	47.4	J3/N*
Iron	mg/kg	49000	A	34500	A	43100	A	47200	A
Magnesium	mg/kg	14400	A	21200	A	80500	J2/N*	57100	J2/N*
Manganese	mg/kg	1490	A	720	A	898	A	1010	A
Nickel	mg/kg	116	A	195	A	701	J2/N*	457	J2/N*
Potassium	mg/kg	910	B	1400	A	1120	A	1180	A
Silver	mg/kg	ND(2.6)	R2/N	ND(2.5)	R2/N	2.8	*	3.1	*
Sodium	mg/kg	1250	B E	1630	E	1130	A	698	B
Vanadium	mg/kg	97.4	A	74.9	A	72.6	A	82.1	A
Zinc	mg/kg	76.8	E	54.8	E	68.9	A	85.4	A
Molybdenum	mg/kg	ND(2.6)	A	ND(2.5)	A	4.5	A	5.2	A
EPA-9045									
pH	ph	7.8	A	8.6	A	8.6	A	8.2	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		ND(1)	A	3	A
Amphibole Asbestos	%	NA		NA		ND(1)	A	ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B022		IR04B022		IR04B022		IR04B022	
Sample Depth(feet):		5.75		10.75		15.75		20.75	
Sample Number:		9048N233		9048N234		9048N235		9048N236	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/30/90		11/30/90		11/30/90		11/30/90	
Lab Sample Number:		69811		69812		69817		69818	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.06)	J2/N*	ND(0.057)	J2/N*	ND(0.062)	J2/N*	ND(0.078)	J2/N*
CLP-FUAA									
Arsenic	mg/kg	3.1	S	ND(22.9)	A	ND(1.2)	*	8.6	*
Lead	mg/kg	2.3	J23/*S	ND(0.46)	J23/*W	ND(0.49)	N*	9.8	N*
Selenium	mg/kg	ND(1.2)	WN	ND(1.1)	N	ND(1.2)	N	ND(1.6)	N
Thallium	mg/kg	ND(1.4)	A	ND(1.1)	W	ND(1.2)	W	ND(1.6)	A
CLP-ICP									
Aluminum	mg/kg	23400	A	5450	A	4760	*	16900	*
Antimony	mg/kg	98	J3/N	64	J3/N	64	J3/N	77.5	J3/N
Barium	mg/kg	88.5	A	24.9	B	2	B*	29.7	B*
Beryllium	mg/kg	0.66	B	ND(0.11)	A	0.16	B	0.57	B
Cadmium	mg/kg	4.8	*	3.4	*	3.9	A	2.6	A
Calcium	mg/kg	10400	J2/*	2550	J2/*	34.5	J2/*	21600	J2/*
Chromium	mg/kg	710	J2/*	1040	J2/*	1640	A	66.5	*
Cobalt	mg/kg	80.3	A	76.1	A	104	A	16.7	A
Copper	mg/kg	29.8	J3/N*	12.8	J3/N*	16.8	A	35.5	A
Iron	mg/kg	51400	A	33900	A	30200	A	39000	A
Magnesium	mg/kg	178000	J2/N*	227000	J2/N*	221000	J2/N*	12600	J2/N*
Manganese	mg/kg	861	A	693	A	682	J2/N*	348	J2/N*
Nickel	mg/kg	1310	J2/N*	1670	J2/N*	1980	J3/N*	84.5	J3
Potassium	mg/kg	206	B	ND(38.9)	A	ND(41.9)	A	4050	A
Silver	mg/kg	4.5	*	4.8	*	3.8	A	ND(1.6)	A
Sodium	mg/kg	565	B	179	B	255	B	3970	A
Vanadium	mg/kg	69.8	A	26.7	A	32	A	61.7	A
Zinc	mg/kg	65.2	A	20.7	A	17.2	A	73.2	A
Molybdenum	mg/kg	4	A	2.3	A	2.8	A	4.2	A
EPA-9045									
pH	ph	8.3	A	8.6	A	8	A	8.7	A
EPA-600/M482020									
Chrysotile Asbestos	%	2	A	NA		NA		NA	
Amphibole Asbestos	%	ND(1)	A	NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B023		IR04B023		IR04B023		IR04B023	
Sample Depth(feet):		1.50		3.50		6.00		11.00	
Sample Number:		9046H422		9046H423		9046H424		9046H425	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/14/90		11/14/90		11/14/90		11/14/90	
Lab Sample Number:		68364		68365		68366		68367	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.37	A	ND(0.065)	A	0.088	A	0.078	A
CLP-FUAA									
Arsenic	mg/kg	3.1	*	ND(1.3)	*	1.2	B *	ND(1.3)	*
Lead	mg/kg	17.2	J3	ND(0.52)	A	2.6	J3	1.1	J3
Selenium	mg/kg	ND(1.2)	J3/N W	ND(1.3)	J3/N W	ND(1.2)	J3/N W	ND(1.3)	J3/N W
Thallium	mg/kg	ND(1.2)	A	ND(1.3)	A	ND(1.2)	A	ND(1.3)	A
CLP-ICP									
Aluminum	mg/kg	11300	A	437	A	18800	A	40300	A
Antimony	mg/kg	ND(11.6)	R2/N	ND(12.9)	R2/N	ND(11.9)	R2/N	ND(12.8)	R2/N
Barium	mg/kg	82.2	J23/N	19.3	J23/BN	234	J23/N	744	J23/N
Beryllium	mg/kg	ND(0.46)	N	ND(0.52)	N	ND(0.48)	N	1.1	J3/BN
Cadmium	mg/kg	6.3	A	5.6	A	10.7	A	17.5	A
Calcium	mg/kg	10500	J3	705	J3/B *	11500	J3/*	17200	J3/*
Chromium	mg/kg	273	J3/N	159	J3/N	455	J3/N	309	J3/N
Cobalt	mg/kg	56.3	J3/N	144	J3/N	72.3	J3/N	50.6	J3/N
Copper	mg/kg	22.9	J3/N	7.6	J3/N	56.8	J3/N	57	J3/N
Iron	mg/kg	31400	A	31900	A	48400	A	72900	A
Magnesium	mg/kg	122000	J3	256000	J3	114000	J3	25700	J3
Manganese	mg/kg	780	J3	1300	J3	1850	J3	2640	J3
Nickel	mg/kg	967	J3/N	2700	J3/N	1010	J3/N	214	J3/N
Potassium	mg/kg	747	J23/B	62.2	J23/B	751	J23/B	505	J23
Silver	mg/kg	ND(2.3)	R2/N	ND(2.6)	R2/N	ND(2.4)	R2/N	ND(2.6)	R2/N
Sodium	mg/kg	112	J3/B	219	J3/B	513	J3/B	1200	J3/B
Vanadium	mg/kg	39.7	J3/N	13.3	J3/N	75.1	J3/N	126	J3/N
Zinc	mg/kg	34.5	J3/N	20.8	J3/N	79.5	J3/N	144	J3/N
Molybdenum	mg/kg	ND(2.3)	A	ND(2.6)	A	ND(2.4)	A	ND(2.6)	A
EPA-9045									
pH	ph	8.3	A	8.4	A	8.7	A	7.8	A
EPA-600/M482020									
Chrysotile Asbestos	%	ND(1)	A	13	A	ND(1)	A	NA	
Amphibole Asbestos	%	ND(1)	A	ND(1)	A	ND(1)	A	NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B023		IR04B023		IR04B023		IR04B023
Sample Depth(feet):		16.00		21.00		26.00		30.00
Sample Number:		9046H428		9046H429		9046H430		9046H431
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/14/90		11/14/90		11/15/90
Lab Sample Number:		68347		68348		68349		68598
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.059)	A	0.066	BA	ND(0.066)	A	ND(0.062)	J2
CLP-FUAA									
Arsenic	mg/kg	4.6	A	11.3	A	5.1	A	7.3	*
Lead	mg/kg	11.5	J3/S *	6.6	J3/*	2.1	J3/*	3	J2/*
Selenium	mg/kg	ND(1.2)	W	ND(1.6)	W	ND(1.3)	W	ND(1.25)	W
Thallium	mg/kg	ND(1.2)	W	ND(1.6)	A	ND(1.3)	W	ND(1.25)	W
CLP-ICP									
Aluminum	mg/kg	11500	*E	21200	*E	13600	*E	6040	A
Antimony	mg/kg	39.8	J3/N	70.6	J3/N	39.6	J3/N	ND(12.5)	R2/N
Barium	mg/kg	2090	A	33.3	B	42.4	B	60.4	J3
Beryllium	mg/kg	0.71	B	0.56	B	0.41	B	ND(0.5)	A
Cadmium	mg/kg	4.3	A	7.7	A	4.8	A	5.7	A
Calcium	mg/kg	2310	J2/*E	13900	J2/*E	20900	J2/*E	7070	A
Chromium	mg/kg	54.6	J3/N	91.8	J3/N	90.1	J3/N	221	J23/N*
Cobalt	mg/kg	51.4	A	15.7	B	11.6	B	42.4	A
Copper	mg/kg	161	A	28.2	A	31.9	A	19.6	J23/N*
Iron	mg/kg	22200	E	38300	E	20700	E	34300	*E
Magnesium	mg/kg	4300	E	17600	E	9610	E	82500	*
Manganese	mg/kg	9450	NE	351	NE	255	NE	710	E
Nickel	mg/kg	87.1	J3/N	154	J3/N	77.7	J3/N	1070	*
Potassium	mg/kg	1390	A	3760	A	1830	A	1290	A
Silver	mg/kg	1.7	B	1.7	B	ND(2.7)	A	ND(2.5)	R2/N
Sodium	mg/kg	400	B	3850	A	1570	A	1170	B
Vanadium	mg/kg	22.5	A	70	A	58.9	A	50.6	A
Zinc	mg/kg	51.8	E	70.9	E	37.9	E	48	E
Molybdenum	mg/kg	4.9	A	5.3	A	2.8	A	ND(2.5)	A
EPA-9045									
pH	ph	8	A	8.5	A	8.9	A	8.4	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		NA	
Amphibole Asbestos	%	NA		NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B024		IR04B024		IR04B024		IR04B024	
Sample Depth(feet):		0.75		3.75		6.25		11.25	
Sample Number:		9049H531		9049H532		9049H533		9049H534	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		12/03/90		12/03/90		12/03/90		12/03/90	
Lab Sample Number:		69961		69962		69963		69964	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	3	J2/N*	0.09	J2/N*	ND(0.06)	J2/N*	ND(0.059)	J2/N*
CLP-FUAA									
Arsenic	mg/kg	3	*	3.2	*	4.2	*	ND(1.2)	*
Lead	mg/kg	379	N*	157	N*	53.8	N*	10.8	J5/N*
Selenium	mg/kg	ND(1)	NW	ND(1.1)	J3/NE	ND(1.2)	J3/NMW	ND(1.2)	NW
Thallium	mg/kg	ND(1)	W	ND(1.1)	W	ND(1.2)	W	ND(1.2)	MW
CLP-ICP									
Aluminum	mg/kg	24500	*	23300	*	19300	*	4720	*
Antimony	mg/kg	75.5	J3/N	79.2	J3/N	69.5	J3/N	55.1	J3/N
Barium	mg/kg	135	*	146	*	58.2	*	43.4	B*
Beryllium	mg/kg	0.52	B	0.51	B	0.43	B	ND(0.12)	A
Cadmium	mg/kg	4.8	A	5.1	A	4.6	A	3.6	A
Calcium	mg/kg	19300	J2/*	18400	J2/*	13600	J2/*	95.7	J2/B*
Chromium	mg/kg	431	J2/*	531	*	122	*	862	A
Cobalt	mg/kg	47.3	A	45.6	A	22.7	A	83.3	A
Copper	mg/kg	96.3	A	60.3	A	49.3	A	15.4	A
Iron	mg/kg	39800	A	37500	A	36200	A	29600	A
Magnesium	mg/kg	81200	J2/*	87300	J2/*	43200	J2/*	212000	J2/*
Manganese	mg/kg	760	J2/*	733	J2/*	538	J2/*	1790	*
Nickel	mg/kg	654	J23/N*	754	J23/N*	246	J23/N*	1860	J23/N*
Potassium	mg/kg	963	B	744	B	998	B	ND(40.2)	A
Silver	mg/kg	1.6	B	2.5	A	ND(1.2)	A	3.6	A
Sodium	mg/kg	335	B	473	B	168	B	193	B
Vanadium	mg/kg	63.6	A	54.8	A	47.5	A	22.4	A
Zinc	mg/kg	191	A	67.2	A	239	A	19.4	A
Molybdenum	mg/kg	2.2	A	3.3	A	2.7	A	2.1	B
EPA-9045									
pH	ph	8.3	A	8.4	A	7.9	A	8.7	A
EPA-600/M482020									
Chrysotile Asbestos	%	ND(1)	A	2	A	5	A	NA	
Amphibole Asbestos	%	1	A	ND(1)	A	ND(1)	A	NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B024		IR04B024		IR04B024		IR04B027	
Sample Depth(feet):		16.25		21.25		26.25		1.75	
Sample Number:		9049H535		9049H536		9049H537		9048N214	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		12/03/90		12/03/90		12/03/90		11/28/90	
Lab Sample Number:		69968		69969		69970		69669	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.11	J2/N*	ND(0.063)	J2/N*	ND(0.072)	J2/N*	0.42	J23/N*
CLP-FUAA									
Arsenic	mg/kg	3	*	ND(1.3)	NW	8.7	*	ND(2.3)	W
Lead	mg/kg	2.3	N*	3	NS*	7.4	N*	27	J2/*S
Selenium	mg/kg	ND(1.2)	NW	ND(1.3)	NW	ND(1.4)	NW	ND(1.15)	W
Thallium	mg/kg	ND(1.2)	A	ND(1.3)	A	ND(1.4)	A	ND(1.15)	A
CLP-ICP									
Aluminum	mg/kg	11000	*	31900	*	16800	*	17500	A
Antimony	mg/kg	70.5	J3/N	102	J3/N	79.3	J3/N	80.5	J3/N
Barium	mg/kg	150	*	132	*	27.2	B*	90.1	A
Beryllium	mg/kg	0.41	B	0.76	B	0.68	B	0.57	B
Cadmium	mg/kg	4.2	A	5.3	A	4.1	A	4.6	*
Calcium	mg/kg	3530	J2/*	19800	J2/*	6440	J2/*	14000	J2/*
Chromium	mg/kg	388	*	317	*	73.3	*	384	J2/*
Cobalt	mg/kg	65.5	A	48.2	A	18.8	A	68.3	A
Copper	mg/kg	42.3	A	72	A	29.3	A	77.6	J3/N*
Iron	mg/kg	37300	A	43100	A	38100	A	43900	A
Magnesium	mg/kg	115000	J2/*	59000	J2/*	14000	J2/*	112000	J2/*
Manganese	mg/kg	1180	J2/*	1370	*	390	*	968	A
Nickel	mg/kg	1050	J23/N*	508	J23/N*	117	J23/N*	1170	J23/N*
Potassium	mg/kg	345	B	642	B	3220	A	693	B
Silver	mg/kg	2.9	A	1.3	A	2.1	B	2.9	*
Sodium	mg/kg	549	B	866	B	2100	A	249	B
Vanadium	mg/kg	50.6	A	121	A	61.2	A	66.2	A
Zinc	mg/kg	57	A	78	A	69.9	A	102	A
Molybdenum	mg/kg	2.9	A	4.6	A	5	A	5.1	A
EPA-9045									
pH	ph	8.2	A	7.7	A	8.8	A	9.2	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		ND(1)	A
Amphibole Asbestos	%	NA		NA		NA		ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B027		IR04B027		IR04B027		IR04B027
Sample Depth(feet):		5.75		10.75		15.75		20.75
Sample Number:		9048N215		9048N216		9048N217		9048N218
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/28/90		11/28/90		11/28/90		11/28/90
Lab Sample Number:		69670		69671		69675		69676
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	ND(0.058)	R2J2/N*	ND(0.056)	R2J2/N*	ND(0.059)	R2J2/N*	ND(0.057)	R2J2/N*
CLP-FUAA									
Arsenic	mg/kg	ND(2.3)	A	4.1	S	5.9	S	6.2	A
Lead	mg/kg	11.3	J2/*S	6.8	J2/*	9.7	J2/*	8.5	J2/*
Selenium	mg/kg	ND(1.17)	W	ND(1.12)	A	ND(1.18)	W	ND(1.14)	A
Thallium	mg/kg	ND(1.17)	A	ND(1.13)	A	ND(1.18)	A	ND(1.14)	A
CLP-ICP									
Aluminum	mg/kg	7090	A	36800	A	33800	A	37000	A
Antimony	mg/kg	63.3	J3/N	96.4	J3/N	93.7	J3/N	99.3	J3/N
Barium	mg/kg	25.2	B	217	A	292	A	346	A
Beryllium	mg/kg	0.24	B	1.1	B	1	B	1.1	B
Cadmium	mg/kg	3.7	*	5.2	*	4.6	*	4.8	*
Calcium	mg/kg	4000	J2/*	12000	J2/*	9740	J2/*	9630	J2/*
Chromium	mg/kg	560	J2/*	466	J2/*	262	J2/*	304	J2/*
Cobalt	mg/kg	84.8	A	60.2	A	38.5	A	48	A
Copper	mg/kg	21.3	J3/N*	41.4	J3/N*	56.6	J3/N*	41.1	J3/N*
Iron	mg/kg	36300	A	48700	A	46600	A	48100	A
Magnesium	mg/kg	162000	J2/*	89300	J2/*	59400	J2/*	73100	J2/*
Manganese	mg/kg	729	A	915	A	924	A	1030	A
Nickel	mg/kg	1750	J23/N*	652	J23/N*	428	J23/N*	582	J23/N*
Potassium	mg/kg	147	B	1870	A	1810	A	1100	B
Silver	mg/kg	4.2	*	2.2	B*	2.4	*	2.9	*
Sodium	mg/kg	212	B	1010	B	628	B	802	B
Vanadium	mg/kg	36	A	86.3	A	80.8	A	80.7	A
Zinc	mg/kg	55.8	A	81.9	A	85.2	A	83.1	A
Molybdenum	mg/kg	2.3	B	5	A	5.1	A	4.3	A
EPA-9045									
pH	ph	8.6	A	9.4	A	9.9	A	9.8	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		NA	
Amphibole Asbestos	%	NA		NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B027		IR04B027A		IR04B027A		IR04B027A
Sample Depth(feet):		30.75		3.00		5.75		10.75
Sample Number:		9048N221		9048N209		9048N210		9048N211
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/29/90		11/28/90		11/28/90		11/28/90
Lab Sample Number:		69819		69672		69673		69674
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	ND(0.076)	J2/N*	ND(0.056)	R2J2/N*	ND(0.059)	R2J2/N*	0.17	J23/N*
CLP-FUAA									
Arsenic	mg/kg	9.8	*	ND(2.3)	W	4	S	4.8	A
Lead	mg/kg	9.3	N*	8.4	J2/*	8.8	J2/*	6.6	J2/*
Selenium	mg/kg	ND(1.5)	NW	ND(1.13)	W	ND(1.18)	W	ND(1.12)	W
Thallium	mg/kg	ND(1.5)	W	ND(1.13)	A	ND(1.18)	A	ND(1.12)	A
CLP-ICP									
Aluminum	mg/kg	17400	*	29200	A	35400	A	28300	A
Antimony	mg/kg	74.6	J3/N	99.9	J3/N	104	J3/N	99	J3/N
Barium	mg/kg	30.8	B*	143	A	271	A	215	A
Beryllium	mg/kg	0.68	B	0.98	B	1.3	A	0.88	B
Cadmium	mg/kg	2.5	A	4.5	*	4.7	*	3.3	*
Calcium	mg/kg	3960	J2/*	24600	J2/*	8820	J2/*	17800	J2/*
Chromium	mg/kg	72.4	*	263	J2/*	204	J2/*	321	J2/*
Cobalt	mg/kg	19.6	A	45.1	A	35.9	A	43.5	A
Copper	mg/kg	35.2	A	62.2	J3/N*	60.6	J3/N*	54.6	J3/N*
Iron	mg/kg	40100	A	48300	A	49900	A	49400	A
Magnesium	mg/kg	12200	J2/N*	34900	J2/*	53800	J2/*	57600	J2/*
Manganese	mg/kg	322	J2/N*	859	A	902	A	1030	A
Nickel	mg/kg	97.1	J3/N*	330	J23/N*	313	J23/N*	361	J23/N*
Potassium	mg/kg	3800	A	762	B	2990	A	747	B
Silver	mg/kg	ND(1.5)	A	ND(1.13)	*	2.6	*	1.9	B*
Sodium	mg/kg	2910	A	2550	A	271	B	574	B
Vanadium	mg/kg	66.6	A	133	A	87.7	A	105	A
Zinc	mg/kg	78	A	74.1	A	95.5	A	77.4	A
Molybdenum	mg/kg	4.7	A	3.9	A	5	A	4.6	A
EPA-9045									
pH	ph	8.8	A	10.2	A	8.5	A	9.6	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		5	A	NA	
Amphibole Asbestos	%	NA		NA		ND(1)	A	NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B027A		IR04B027A		IR04B029		IR04B029	
Sample Depth(feet):		15.75		20.75		1.00		2.50	
Sample Number:		9048N212		9048N213		9048N193		9048N194	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/28/90		11/28/90		11/27/90		11/27/90	
Lab Sample Number:		69677		69678		69459		69460	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	ND(0.058)	R2J2/N*	0.09	J23/N*	0.4	J2	0.35	J2
CLP-FUAA									
Arsenic	mg/kg	3.6	A	4.2	S	3.8	J3/N *	ND(1.07)	J3/W N
Lead	mg/kg	4.5	J2/*	8.7	J2/*	773	J2	182	J2/S
Selenium	mg/kg	ND(1.15)	A	ND(1.13)	A	ND(1.09)	J3/W N	ND(1.07)	J3/W N
Thallium	mg/kg	ND(1.15)	A	ND(1.13)	A	ND(1.09)	A	ND(1.07)	A
CLP-ICP									
Aluminum	mg/kg	40600	A	36400	A	8240	A	4650	A
Antimony	mg/kg	98.8	J3/N	92.5	J3/N	33	J3/N	66.7	J3/N
Barium	mg/kg	328	A	272	A	82	A	15.3	B
Beryllium	mg/kg	1	B	1	B	0.39	B	ND(0.11)	A
Cadmium	mg/kg	5.2	*	3.9	*	1.1	B	3.9	A
Calcium	mg/kg	16100	J2/*	15100	J2/*	12400	J2	1210	J2
Chromium	mg/kg	414	J2/*	286	J2/*	66.4	J2	556	J2
Cobalt	mg/kg	50.4	A	39.1	A	9.2	B	98.7	A
Copper	mg/kg	36.2	J3/N*	44.4	J3/N*	199	A	22	A
Iron	mg/kg	47800	A	46600	A	15800	A	37900	A
Magnesium	mg/kg	117000	J2/*	75200	J2/*	3740	J2	196000	J2
Manganese	mg/kg	850	A	915	A	264	A	932	A
Nickel	mg/kg	782	J23/N*	536	J23/N*	35.6	J2	1710	J2
Potassium	mg/kg	726	B	1150	A	746	B	41.7	A
Silver	mg/kg	3.8	*	1.6	B*	ND(1.09)	A	3.4	A
Sodium	mg/kg	731	B	723	B	474	B	189	B
Vanadium	mg/kg	82.7	A	78	A	39.6	A	25.9	A
Zinc	mg/kg	76.6	A	84.5	A	174	A	34.9	A
Molybdenum	mg/kg	5.4	A	4.1	A	2.6	A	3	A
EPA-9045									
pH	ph	9.6	A	9.3	A	8	A	8.4	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		ND(1)	A	10	A
Amphibole Asbestos	%	NA		NA		ND(1)	A	ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B029		IR04B029		IR04B029		IR04B029
Sample Depth(feet):		5.50		10.50		15.50		20.50
Sample Number:		9048N195		9048N196		9048N197		9048N198
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/27/90		11/27/90		11/27/90		11/27/90
Lab Sample Number:		69461		69462		69470		69471
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.067	J2	ND(0.058)	N*	0.064	J2	ND(0.058)	J2
CLP-FUAA									
Arsenic	mg/kg	ND(1.09)	J3/W N	3.6	J3	1.6	J3/B N	ND(1.15)	J3/W N
Lead	mg/kg	40.4	J2/S	25	J2/*	8.3	J2	2.7	J2
Selenium	mg/kg	ND(1.09)	J3/W N	ND(1.16)	J3/N	ND(1.17)	J3/W N	ND(1.15)	J3/W N
Thallium	mg/kg	ND(1.09)	A	ND(1.16)	W	ND(1.17)	W	ND(1.15)	W
CLP-ICP									
Aluminum	mg/kg	3100	A	15600	A	18000	A	2170	A
Antimony	mg/kg	66	J3/N	77.3	J3/N	76.1	J3/N	50.2	J3/N
Barium	mg/kg	18.7	B	54.1	A	152	A	6.2	B
Beryllium	mg/kg	ND(0.11)	A	0.42	B	0.5	B	0.5	A
Cadmium	mg/kg	3.8	A	3.8	*	2.8	A	2.5	A
Calcium	mg/kg	408	J2/B	5180	J2/*	5650	J2	2390	J2
Chromium	mg/kg	539	J2	521	J2/*	483	J2	482	J2
Cobalt	mg/kg	96.6	A	71.8	A	80.8	A	87.4	A
Copper	mg/kg	13.1	A	21.9	N*	22.1	A	5.8	A
Iron	mg/kg	37600	A	40400	A	41300	A	31700	A
Magnesium	mg/kg	209000	J2	169000	J2/*	60500	J2	211000	J2
Manganese	mg/kg	994	A	807	A	1100	A	607	A
Nickel	mg/kg	1730	J2	1320	J2/N*	817	J2	1580	J2
Potassium	mg/kg	36.9	A	383	B	703	B	ND(39.2)	A
Silver	mg/kg	3.7	A	4	*	ND(1.17)	A	3.4	A
Sodium	mg/kg	161	B	140	B	615	B	337	B
Vanadium	mg/kg	36.5	A	44.6	A	59.9	A	12	A
Zinc	mg/kg	40.4	A	46.2	A	44.3	A	18.8	A
Molybdenum	mg/kg	3.5	A	2.4	A	3.9	A	2.1	B
EPA-9045									
pH	ph	8	A	7.8	A	8	A	7.9	A
EPA-600/M482020									
Chrysotile Asbestos	%	18	A	NA		NA		NA	
Amphibole Asbestos	%	ND(1)	A	NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:	IR04B029		IR04B029		IR04B033		IR04B033	
Sample Depth(feet):	30.50		35.50		0.50		3.50	
Sample Number:	9048N200		9048N201		9046H432		9046H433	
Matrix:	SOIL		SOIL		SOIL		SOIL	
Sample Date:	11/27/90		11/27/90		11/15/90		11/15/90	
Lab Sample Number:	69472		69473		68604		68605	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	ND(0.058)	N*	ND(0.083)	N*	1.1	J2	0.25	J2/*
CLP-FUAA									
Arsenic	mg/kg	2.6	A	7.1	A	6.5	*	5.6	J5
Lead	mg/kg	14.7	J23/*S	10.3	J23/*	12000	A	1220	J2/*
Selenium	mg/kg	ND(1.16)	N	ND(1.66)	N	ND(1)	W	ND(1.09)	J3/W
Thallium	mg/kg	ND(1.16)	W	ND(1.99)	W	ND(1)	W	ND(1.09)	J3/W
CLP-ICP									
Aluminum	mg/kg	22700	A	34600	A	12300	A	18400	A
Antimony	mg/kg	89.7	J3/N	104	J3/N	ND(10.4)	R2/N	81	J3/N
Barium	mg/kg	140	A	54.2	B	175	A	203	J3/N*
Beryllium	mg/kg	0.79	B	1.2	B	0.58	B	0.76	B
Cadmium	mg/kg	1.8	*	4.6	*	15.4	A	1.3	A
Calcium	mg/kg	5980	J2/*	5050	J2/*	9250	A	6980	A
Chromium	mg/kg	144	J23/*	94.1	J23/*	352	J23/N*	295	*
Cobalt	mg/kg	34	A	22.3	A	43.8	A	55.3	A
Copper	mg/kg	86.7	J3	42.6	J3/N*	1300	J23	99.2	*
Iron	mg/kg	44800	A	49100	A	53600	A	40200	A
Magnesium	mg/kg	33400	J2/*	15500	J2/*	65500	*	93000	*
Manganese	mg/kg	933	A	444	A	1000	E	750	J3
Nickel	mg/kg	261	J23/N*	93.5	J23/N*	1500	*	848	*
Potassium	mg/kg	3460	A	5570	A	1400	A	1340	A
Silver	mg/kg	ND(1.16)	*	2.1	B*	ND(2.1)	R2/N	1.6	B
Sodium	mg/kg	788	B	4390	A	505	B	279	B
Vanadium	mg/kg	51.4	A	91.8	A	57.3	A	56.9	*
Zinc	mg/kg	91.7	A	96.5	A	984	E	192	*
Molybdenum	mg/kg	3.5	A	7.8	A	ND(2.1)	A	3.6	A
EPA-9045									
pH	ph	8.1	A	8.3	A	8.1	J5	8.2	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		2	A	3	A
Amphibole Asbestos	%	NA		NA		1	A	ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B033		IR04B033		IR04B033		IR04B033	
Sample Depth(feet):		6.00		11.00		16.00		21.00	
Sample Number:		9046H434		9046H435		9046H436		9046H440	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/15/90		11/15/90		11/15/90		11/15/90	
Lab Sample Number:		68606		68607		68599		68600	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.09	J2/*	0.082	J2/*	0.063	J2	0.052	BJ2
CLP-FUAA									
Arsenic	mg/kg	5.7	J5	3.1	J5	1.3	B *	ND(1.3)	*
Lead	mg/kg	69.8	J2/*	75.1	J2/S *	2.6	J2/*	ND(0.51)	J2/*
Selenium	mg/kg	ND(1.1)	N	ND(1.1)	J3/W N	ND(1.2)	W	ND(1.3)	W
Thallium	mg/kg	ND(1.1)	J3/W N	ND(1.1)	J3/W N	ND(1.2)	W	ND(1.3)	W
CLP-ICP									
Aluminum	mg/kg	35600	A	10600	A	8480	A	3520	A
Antimony	mg/kg	114	J3/N	75.4	J3/N	ND(11.6)	R2/N	ND(12.7)	R2/N
Barium	mg/kg	143	J3/N*	57.1	J3/N*	359	A	104	A
Beryllium	mg/kg	0.76	B	0.47	B	ND(0.46)	A	ND(0.51)	A
Cadmium	mg/kg	0.69	B	ND(1.1)	A	7	A	6.6	A
Calcium	mg/kg	14600	A	4840	A	9460	A	42200	A
Chromium	mg/kg	319	*	801	*	485	J23/N*	562	J23/N*
Cobalt	mg/kg	60.4	A	79.9	A	79.1	A	76.3	A
Copper	mg/kg	95.1	*	35.3	*	17.4	J23/N*	6.5	J23/N*
Iron	mg/kg	57100	A	39300	A	39200	*E	35900	*E
Magnesium	mg/kg	73500	*	145000	*	156000	*	190000	*
Manganese	mg/kg	1280	J3	904	J3	796	E	620	E
Nickel	mg/kg	538	*	1220	*	1440	*	1570	*
Potassium	mg/kg	1320	A	514	B	998	B	368	B
Silver	mg/kg	1.6	B	2.3	A	ND(2.3)	R2/N	ND(2.5)	R2/N
Sodium	mg/kg	134	B	289	B	468	B	305	B
Vanadium	mg/kg	75.7	*	48.5	*	31.3	A	19.8	A
Zinc	mg/kg	109	*	67.8	*	40.4	E	21.3	E
Molybdenum	mg/kg	6.1	A	3.2	A	ND(2.3)	A	ND(2.5)	A
EPA-9045									
pH	ph	8.5	J5	8.3	J5	8.2	J5	8.4	J5
EPA-600/M482020									
Chrysotile Asbestos	%	2	A	NA		NA		NA	
Amphibole Asbestos	%	ND(1)	A	NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B033		IR04B033		IR04B033		IR04B042
Sample Depth(feet):		26.00		31.00		36.00		1.50
Sample Number:		9046H441		9046H442		9046H443		9046H444
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/15/90		11/15/90		11/15/90		11/16/90
Lab Sample Number:		68601		68602		68603		68608
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.11	J2	0.096	J2	0.084	J2	0.22	*
CLP-FUAA									
Arsenic	mg/kg	4.2	S *	6.6	*	8.2	*	ND(1.11)	A
Lead	mg/kg	7.8	J2/S *	6.4	J2/*	8.3	J2/S *	2	*
Selenium	mg/kg	ND(1.15)	W	ND(1.1)	J3/W	ND(1.5)	W	ND(1.11)	W
Thallium	mg/kg	ND(1.15)	W	ND(1.1)	W	ND(1.5)	W	ND(1.11)	W
CLP-ICP									
Aluminum	mg/kg	21600	A	30800	A	21100	A	6930	A
Antimony	mg/kg	ND(11.5)	R2/N	ND(11.4)	R2/N	ND(14.9)	R2/N	67.7	J3/N
Barium	mg/kg	423	A	58.4	A	39.3	B	14.7	J23/BN*
Beryllium	mg/kg	0.56	B	0.67	B	0.9	B	0.35	B
Cadmium	mg/kg	6.8	A	8.1	A	6.2	A	1.1	BA
Calcium	mg/kg	19500	A	17100	A	4600	A	4400	A
Chromium	mg/kg	246	J23/N*	393	J23/N*	81.1	J23/N*	510	*
Cobalt	mg/kg	35.9	A	35.5	A	40.3	A	79.7	A
Copper	mg/kg	37	J23/N*	33.1	J23/N*	40.3	J23/N*	8.9	*
Iron	mg/kg	39000	*E	43800	*E	42600	*E	35900	A
Magnesium	mg/kg	67200	*	68400	*	15500	*	180000	*
Manganese	mg/kg	673	E	756	E	452	E	734	A
Nickel	mg/kg	518	*	540	*	101	*	1670	*
Potassium	mg/kg	1730	A	1120	B	4400	A	ND(43.2)	A
Silver	mg/kg	ND(2.29)	R2/N	ND(2.3)	R2/N	ND(3)	R2/N	2.9	N
Sodium	mg/kg	554	B	1150	A	3920	A	442	B
Vanadium	mg/kg	53.5	A	74.6	A	74.7	A	38.9	N*
Zinc	mg/kg	70.8	E	67.1	E	93.3	E	26.1	*
Molybdenum	mg/kg	ND(2.29)	A	ND(2.3)	A	ND(3)	A	3.1	A
EPA-9045									
pH	ph	8.2	J5	8.1	J5	8.5	J5	9	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		1	A
Amphibole Asbestos	%	NA		NA		NA		ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B042		IR04B042		IR04B042		IR04B042	
Sample Depth(feet):		3.00		6.00		11.50		16.00	
Sample Number:		9046H445		9046H446		9046H447		9046H448	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/16/90		11/16/90		11/16/90		11/16/90	
Lab Sample Number:		68609		68610		68611		68612	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.46	*	ND(0.055)	*	ND(0.059)	*	0.11	*
CLP-FUAA									
Arsenic	mg/kg	3.1	A	4.1	A	2	B	2.8	A
Lead	mg/kg	6.4	*	2.1	*	1.7	*	2.3	*
Selenium	mg/kg	ND(1.08)	WN	ND(1.1)	E N	ND(1.18)	N	ND(1.14)	W N
Thallium	mg/kg	ND(1.08)	WN	ND(1.1)	W N	ND(1.18)	W N	ND(1.14)	W N
CLP-ICP									
Aluminum	mg/kg	20000	A	23100	A	19900	A	14400	A
Antimony	mg/kg	71.3	J3/N	86.7	J3/N	69.6	J3/N	71.9	J3/N
Barium	mg/kg	52.7	J23/N*	42	J23/BN*	50	J23/N*	59.9	J23/N*
Beryllium	mg/kg	0.79	B	0.72	B	0.67	B	0.61	B
Cadmium	mg/kg	ND(1.08)	A	ND(1.1)	A	ND(1.18)	A	ND(1.14)	A
Calcium	mg/kg	21300	A	32700	A	26400	A	14700	A
Chromium	mg/kg	199	*	103	*	91.8	*	214	*
Cobalt	mg/kg	40.3	A	35.1	A	24.3	A	48.7	A
Copper	mg/kg	43.3	*	61.2	*	50.9	*	31	*
Iron	mg/kg	36000	A	42900	A	31600	A	35900	A
Magnesium	mg/kg	54600	*	26300	*	18800	*	99900	*
Manganese	mg/kg	730	A	803	A	564	A	820	A
Nickel	mg/kg	462	*	92.6	*	61.3	*	874	*
Potassium	mg/kg	1090	A	1360	A	1030	B	751	B
Silver	mg/kg	ND(2.16)	A	ND(2.2)	A	ND(2.36)	A	1.9	B
Sodium	mg/kg	1690	A	1780	A	2120	A	2060	A
Vanadium	mg/kg	75.9	*	89.4	*	79.4	*	56.4	*
Zinc	mg/kg	58.5	*	79.1	*	53.6	*	53.2	*
Molybdenum	mg/kg	3.9	A	4	A	4.1	A	5	A
EPA-9045									
pH	ph	9.2	A	9	A	9	A	8.7	A
EPA-600/M482020									
Chrysotile Asbestos	%	ND(1)	A	ND(1)	A	NA		NA	
Amphibole Asbestos	%	ND(1)	A	ND(1)	A	NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B042		IR04B042		IR04MW09A		IR04MW09A	
Sample Depth(feet):		21.00		26.00		2.50		4.00	
Sample Number:		9046H449		9046H450		9046H414		9046H415	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/16/90		11/16/90		11/13/90		11/13/90	
Lab Sample Number:		68613		68614		68206		68207	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.075	*	0.091	*	3.6	J2	0.14	J2
CLP-FUAA									
Arsenic	mg/kg	9.9	A	ND(1.5)	A	4	A	7.6	A
Lead	mg/kg	7.2	S *	7.3	S *	13	A	5.8	A
Selenium	mg/kg	ND(1.49)	W N	ND(1.5)	W N	ND(1.1)	A	ND(1.2)	A
Thallium	mg/kg	ND(1.49)	W N	ND(1.5)	W N	ND(1.1)	A	ND(1.2)	A
CLP-ICP									
Aluminum	mg/kg	18600	A	21500	A	22800	A	42300	A
Antimony	mg/kg	83.1	J3/N	98	J3/N	ND(10.5)	R2/N	ND(11.8)	R2/N
Barium	mg/kg	33	J23/BN*	34.9	J23/BN*	164	J3	169	J3/N
Beryllium	mg/kg	0.93	B	0.97	B	ND(0.42)	J3/N	0.74	BN
Cadmium	mg/kg	ND(1.49)	A	ND(1.5)	A	8.7	J3/N	12.1	J3/N
Calcium	mg/kg	10400	A	7650	A	19300	A	13000	A
Chromium	mg/kg	68.9	*	75.3	*	340	A	472	A
Cobalt	mg/kg	15.9	A	17.8	A	52.7	J3/N	52.6	J3/N
Copper	mg/kg	30.6	*	33	*	44.1	N	51.6	J3/N
Iron	mg/kg	38500	A	48400	A	42700	J3	53800	A
Magnesium	mg/kg	11700	*	11500	*	95300	A	86400	A
Manganese	mg/kg	368	A	420	A	902	A	1030	A
Nickel	mg/kg	68.4	*	74	*	764	J3/*N	682	J3/*N
Potassium	mg/kg	3630	A	3960	A	1050	A	1680	A
Silver	mg/kg	ND(2.99)	A	ND(3)	A	ND(2.1)	R2/N	ND(2.4)	R2/N
Sodium	mg/kg	5390	A	4060	A	798	B	1320	A
Vanadium	mg/kg	57.3	*	66.5	*	72.2	J3/N	97	J3/N
Zinc	mg/kg	71.8	*	74.2	*	76.7	A	88.8	A
Molybdenum	mg/kg	5.2	A	7.9	A	ND(2.1)	N	ND(2.4)	N
EPA-9045									
pH	ph	8.7	A	8.5	A	8.3	A	9	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		3	A	1	A
Amphibole Asbestos	%	NA		NA		ND(1)	A	ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW09A		IR04MW09A		IR04MW09A		IR04MW09A	
Sample Depth(feet):		6.00		11.00		16.00		21.00	
Sample Number:		9046H417		9046H418		9046H419		9046H420	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/14/90		11/14/90		11/14/90		11/14/90	
Lab Sample Number:		68362		68363		68368		68369	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.089	A	0.073	A	0.11	A	0.13	A
CLP-FUAA									
Arsenic	mg/kg	7.9	*	ND(1.2)	*	1.9	B *	12.6	*
Lead	mg/kg	6.4	J3	2.1	J3	1.6	J3	8.3	J3/S
Selenium	mg/kg	ND(1.2)	J3/N	ND(1.2)	J3/N W	ND(1.2)	J3/N W	ND(1.8)	J3/N W
Thallium	mg/kg	ND(1.2)	A	ND(1.2)	A	ND(1.2)	A	ND(1.8)	A
CLP-ICP									
Aluminum	mg/kg	38300	A	2090	A	25300	A	29500	A
Antimony	mg/kg	ND(11.9)	R2/N	ND(12.2)	R2/N	ND(12.2)	R2/N	ND(17.5)	R2/N
Barium	mg/kg	225	J23/BN	235	J23/N	196	J23/N	50	J23/BN
Beryllium	mg/kg	0.75	J3/BN	ND(0.49)	N	ND(0.49)	N	0.8	J3/BN
Cadmium	mg/kg	11.6	A	6.9	A	11	A	13	A
Calcium	mg/kg	22200	J3/*	58800	J3/*	12800	J3/*	24500	J3/*
Chromium	mg/kg	306	J3/N	305	J3/N	764	J3/N	95.7	J3/N
Cobalt	mg/kg	44	J3/N	102	J3/N	70	J3/N	20.4	J3/N
Copper	mg/kg	50.3	J3/N	3.8	J3/BN	27.1	J3/N	32.4	J3/N
Iron	mg/kg	48700	A	39300	A	50000	A	47900	A
Magnesium	mg/kg	81900	J3	209000	J3	162000	J3	15200	J3
Manganese	mg/kg	956	J3	620	J3	989	J3	457	J3
Nickel	mg/kg	486	J3/N	2360	J3/N	1230	J3/N	102	J3/N
Potassium	mg/kg	2150	J23	126	J23/B	1000	J23/B	5420	J23
Silver	mg/kg	ND(2.4)	R2/N	ND(2.4)	R2/N	ND(2.4)	R2/N	ND(3.5)	R2/N
Sodium	mg/kg	1110	J3/B	90.4	J3/B	1240	J3	5620	J3
Vanadium	mg/kg	100	J3/N	10.7	J3/BN	65.5	J3/N	82.5	J3/N
Zinc	mg/kg	83.7	J3/N	26.5	J3/N	59.3	J3/N	92.5	J3/N
Molybdenum	mg/kg	ND(2.4)	A	ND(2.4)	A	ND(2.4)	A	ND(3.5)	A
EPA-9045									
pH	ph	9.3	A	8.8	A	9	A	8.5	A
EPA-600/M482020									
Chrysotile Asbestos	%	ND(1)	A	NA		NA		NA	
Amphibole Asbestos	%	ND(1)	A	NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW09A		IR04MW31A		IR04MW31A		IR04MW31A
Sample Depth(feet):		26.00		0.50		2.50		5.00
Sample Number:		9046H421		9046G487		9046G488		9046G489
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/14/90		11/15/90		11/15/90		11/15/90
Lab Sample Number:		68370		68615		68616		68617
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	0.11	*	1.2	A	0.085	A	0.084	A
CLP-FUAA									
Arsenic	mg/kg	10.1	A	5.4	*	5.8	*	6.1	*
Lead	mg/kg	10.8	J3/N S	310	J2/*	8.1	J2/S *	6.4	J2/S *
Selenium	mg/kg	ND(1.8)	J3/N	ND(1.05)	W	ND(1.08)	W	ND(1.08)	W
Thallium	mg/kg	ND(1.8)	A	ND(1.05)	W	ND(1.08)	W	ND(1.08)	W
CLP-ICP									
Aluminum	mg/kg	26200	A	12800	A	20700	A	19300	A
Antimony	mg/kg	ND(17.5)	R2/N	ND(10.5)	R2/N	ND(10.8)	R2/N	ND(10.8)	R2/N
Barium	mg/kg	44.5	J23/B *	72.5	A	89	A	103	A
Beryllium	mg/kg	0.82	J3/B	0.89	B	0.46	B	0.54	B
Cadmium	mg/kg	9.6	*	5.6	A	8	A	7.1	A
Calcium	mg/kg	8340	J3/*	3880	A	19300	A	14900	A
Chromium	mg/kg	83.7	J3/*	79	J23/N*	278	J23/N*	265	J23/N*
Cobalt	mg/kg	19.1	J3	19.8	A	41.5	A	43.5	A
Copper	mg/kg	41.2	J3	285	J23/N*	45.3	J23/N*	40.3	J23/N*
Iron	mg/kg	48300	A	32200	*E	42600	*E	40800	*E
Magnesium	mg/kg	15200	J3	20400	*	72200	*	79700	*
Manganese	mg/kg	443	J3	797	E	788	E	831	E
Nickel	mg/kg	104	J3	154	*	548	*	617	*
Potassium	mg/kg	5420	J23	1390	A	1830	A	1680	A
Silver	mg/kg	ND(3.5)	R2/N	ND(2.11)	R2/N	ND(2.16)	R2/N	ND(2.15)	R2/N
Sodium	mg/kg	5480	J3/E	690	B	336	B	290	B
Vanadium	mg/kg	75.6	J3	49	A	59.2	A	55.1	A
Zinc	mg/kg	96.4	J3/E	231	E	75.2	E	65.9	E
Molybdenum	mg/kg	ND(3.5)	A	ND(2.11)	A	ND(2.16)	A	ND(2.15)	A
EPA-9045									
pH	ph	8.8	A	7.7	J5	8.4	J5	8.6	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		ND(1)	A	ND(1)	A	2	A
Amphibole Asbestos	%	NA		ND(1)	A	ND(1)	A	ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW31A		IR04MW31A		IR04MW31A		IR04MW31A	
Sample Depth(feet):		10.00		15.50		20.50		25.00	
Sample Number:		9046G490		9046G491		9046G492		9046G493	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/15/90		11/15/90		11/15/90		11/15/90	
Lab Sample Number:		68618		68619		68620		68621	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.1	A	0.064	A	ND(0.06)	A	0.066	A
CLP-FUAA									
Arsenic	mg/kg	4.6	*	3.4	*	ND(1.2)	*	5.1	*
Lead	mg/kg	5.3	J2/*	5.7	J2/*	ND(0.48)	J2/*	5.3	J2/*
Selenium	mg/kg	ND(1.1)	W	ND(1.16)	W	ND(1.2)	W	ND(1.2)	W
Thallium	mg/kg	ND(1.1)	A	ND(1.16)	A	ND(1.2)	W	ND(1.2)	W
CLP-ICP									
Aluminum	mg/kg	16000	A	29000	A	3120	A	21300	A
Antimony	mg/kg	ND(11)	R2/N	ND(11.6)	R2/N	ND(12)	R2/N	ND(12.1)	R2/N
Barium	mg/kg	133	A	215	A	15.4	B	354	A
Beryllium	mg/kg	0.44	B	1	B	ND(0.48)	A	0.81	B
Cadmium	mg/kg	6.6	A	7.8	A	7.3	A	7.2	A
Calcium	mg/kg	13800	A	18600	A	ND(33.7)	A	9230	A
Chromium	mg/kg	404	J23/N*	204	J23/N*	540	J23/N*	263	J23/N*
Cobalt	mg/kg	49.4	A	33.4	A	101	A	56.2	A
Copper	mg/kg	32.1	J23/N*	74.9	J23/N*	8.6	J23/N*	37.1	J23/N*
Iron	mg/kg	39100	*E	47000	*E	37900	*E	41000	*E
Magnesium	mg/kg	87700	*	25200	*	226000	*	58200	*
Manganese	mg/kg	667	E	966	E	966	E	862	E
Nickel	mg/kg	808	*	232	*	1920	*	616	*
Potassium	mg/kg	2260	A	2030	A	109	B	1180	B
Silver	mg/kg	ND(2.19)	R2/N	ND(2.33)	R2/N	ND(2.41)	R2/N	ND(2.41)	R2/N
Sodium	mg/kg	301	B	1080	B	636	B	1670	A
Vanadium	mg/kg	50.2	A	129	A	48.5	A	75.1	A
Zinc	mg/kg	57.5	E	78.6	E	21.5	E	71.4	A
Molybdenum	mg/kg	ND(2.19)	A	ND(2.33)	A	ND(2.41)	A	ND(2.41)	A
EPA-9045									
pH	ph	8.6	J5	8.4	J5	8	J5	7.9	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		NA	
Amphibole Asbestos	%	NA		NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW31A		IR04MW31A		IR04MW35A		IR04MW35A	
Sample Depth(feet):		30.50		35.50		1.00		3.00	
Sample Number:		9046G494		9046G495		9048N186		9048N187	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/15/90		11/16/90		11/26/90		11/26/90	
Lab Sample Number:		68622		68623		69377		69378	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.074	A	0.072	BA	9.2	A	0.7	A
CLP-FUAA									
Arsenic	mg/kg	3.2	*	8.9	S *	2.7	J3/SN*	2.6	J3/N *
Lead	mg/kg	3.8	J2/*	8.2	J2/S *	652	A	193	A
Selenium	mg/kg	ND(1.15)	W	ND(1.59)	W	1.9	J3/S N	ND(1.06)	J3/W N
Thallium	mg/kg	ND(1.15)	W	ND(1.59)	W	ND(1.04)	A	ND(1.06)	W
CLP-ICP									
Aluminum	mg/kg	7050	A	30900	A	1380	A	19800	A
Antimony	mg/kg	ND(11.5)	R2/N	ND(15.9)	R2/N	27.2	J3/N	57.5	J3/N
Barium	mg/kg	32.8	B	49.7	B	333	A	159	A
Beryllium	mg/kg	ND(0.46)	A	0.89	B	0.16	B	0.56	B
Cadmium	mg/kg	4.6	A	8.1	A	2.6	J2	2.3	J2
Calcium	mg/kg	2060	A	4830	A	1280	A	13400	A
Chromium	mg/kg	237	J23/N*	94.2	J23/N*	151	A	59.2	A
Cobalt	mg/kg	55	A	21.9	A	4.3	B	19.1	A
Copper	mg/kg	10.7	J23/N*	40.5	J23/N*	2.3	A	140	A
Iron	mg/kg	25900	*E	47500	*E	8950	A	29100	A
Magnesium	mg/kg	103000	*	15900	*	4050	A	15100	A
Manganese	mg/kg	505	E	450	E	95.3	A	818	A
Nickel	mg/kg	1150	*	103	*	53.9	A	96.6	A
Potassium	mg/kg	205	B	5540	A	257	B	1110	A
Silver	mg/kg	ND(2.3)	R2/N	ND(3.18)	R2/N	ND(1.04)	A	ND(1.06)	A
Sodium	mg/kg	1170	A	5230	A	194	B	916	B
Vanadium	mg/kg	27.5	A	88.2	A	22.5	A	69.6	A
Zinc	mg/kg	71.4	E	23.8	E	1060	A	155	A
Molybdenum	mg/kg	ND(2.3)	A	ND(3.18)	A	2.4	A	4.9	A
EPA-9045									
pH	ph	8.1	J5	8.5	J5	8	A	8.9	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		2	A	NA	
Amphibole Asbestos	%	NA		NA		1	A	NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW35A		IR04MW35A		IR04MW35A		IR04MW35A	
Sample Depth(feet):		5.50		10.50		15.50		20.50	
Sample Number:		9048N188		9048N189		9048N190		9048N191	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/26/90		11/26/90		11/26/90		11/26/90	
Lab Sample Number:		69379		69380		69381		69382	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.082	A	ND(0.058)	A	ND(0.06)	A	ND(0.064)	A
CLP-FUAA									
Arsenic	mg/kg	1.4	J3/BWN*	ND(1.16)	W N	ND(1.2)	W N	ND(1.28)	W N
Lead	mg/kg	3.7	A	1.2	A	ND(0.48)	A	0.64	W B
Selenium	mg/kg	ND(1.16)	J3/W N	ND(1.16)	J3/W N	ND(1.2)	J3/W N	ND(1.28)	J3/W N
Thallium	mg/kg	ND(1.16)	W	ND(1.16)	A	ND(1.2)	W	ND(1.28)	W
CLP-ICP									
Aluminum	mg/kg	9440	A	8550	A	3940	A	6880	A
Antimony	mg/kg	67.6	J3/N	75.6	J3/N	50.7	J3/N	66.3	J3/N
Barium	mg/kg	64.1	A	19.4	B	12.4	B	36.6	B
Beryllium	mg/kg	ND(0.12)	A	ND(1.16)	A	ND(0.12)	A	ND(0.13)	A
Cadmium	mg/kg	3.8	J2	3.3	J2	2.6	J2	3.4	J2
Calcium	mg/kg	4230	A	1990	A	643	B	746	B
Chromium	mg/kg	389	A	451	A	547	A	503	A
Cobalt	mg/kg	79.7	A	88.5	A	81.1	A	82.3	A
Copper	mg/kg	27.2	A	43.5	A	7.7	A	8.2	A
Iron	mg/kg	36100	A	40700	A	31100	A	38200	A
Magnesium	mg/kg	144000	A	149000	A	188000	A	158000	A
Manganese	mg/kg	896	A	726	A	716	A	582	A
Nickel	mg/kg	1490	A	1590	A	1680	A	1560	A
Potassium	mg/kg	128	B	ND(39.3)	A	ND(40.8)	A	141	B
Silver	mg/kg	3.6	A	3.2	A	3.5	A	3.8	A
Sodium	mg/kg	200	B	585	B	844	B	2180	A
Vanadium	mg/kg	37	A	30	A	19.2	A	38.3	A
Zinc	mg/kg	36.8	A	26.8	A	22.1	A	26.8	A
Molybdenum	mg/kg	2.6	A	3.5	A	2.9	A	1.28	A
EPA-9045									
pH	ph	8.3	A	8.5	A	7.8	A	7.8	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		NA	
Amphibole Asbestos	%	NA		NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW35A		IR04MW36A		IR04MW36A		IR04MW36A	
Sample Depth(feet):		30.50		1.50		3.50		5.50	
Sample Number:		9048N192		9047N154		9047N155		9047N156	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/26/90		11/19/90		11/19/90		11/19/90	
Lab Sample Number:		69383		69001		69002		69003	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.1	A	13.1	J5	7.6	J5/*	3.1	*
CLP-FUAA									
Arsenic	mg/kg	9.6	J3/N *	25.6	S	12.9	A	6.4	A
Lead	mg/kg	8.5	A	45	J2/*	34.9	J2/*	19.6	J2/*
Selenium	mg/kg	ND(1.67)	J3/W N	ND(1.09)	J3/W N	ND(1.1)	J3/W N	ND(1.08)	J3/W N
Thallium	mg/kg	ND(1.67)	A	ND(1.09)	N	ND(1.1)	N	ND(1.08)	N
CLP-ICP									
Aluminum	mg/kg	20700	A	9650	A	6400	A	8530	A
Antimony	mg/kg	76.4	J3/N	81.5	J3/N	64.8	J3/N	56	J3/N
Barium	mg/kg	36	B	49	J23/N*	37.5	J23/BN*	74.4	J23/N*
Beryllium	mg/kg	ND(0.17)	A	0.36	B	0.31	B	0.44	B
Cadmium	mg/kg	2.6	J2	ND(1.09)	A	1.8	A	ND(1.08)	A
Calcium	mg/kg	4330	A	5980	A	5000	A	11000	A
Chromium	mg/kg	72	A	553	*	481	*	316	*
Cobalt	mg/kg	17.4	A	82.8	A	75.4	A	60.5	A
Copper	mg/kg	38.6	A	323	*	95.7	*	57.2	*
Iron	mg/kg	40400	A	42600	A	36300	A	29200	A
Magnesium	mg/kg	13800	A	161000	*	179000	*	122000	*
Manganese	mg/kg	411	A	796	A	667	A	696	A
Nickel	mg/kg	77.8	A	1540	*	1700	*	1120	*
Potassium	mg/kg	3950	A	193	B	128	B	407	B
Silver	mg/kg	ND(1.67)	A	2.7	A	3.1	A	2.6	A
Sodium	mg/kg	4570	A	291	B	263	B	327	B
Vanadium	mg/kg	6705	A	39.2	*	29.9	*	30.9	*
Zinc	mg/kg	86.9	A	121	*	50.1	*	55.8	*
Molybdenum	mg/kg	4.8	A	3.3	A	3.3	A	2.3	A
EPA-9045									
pH	ph	8.4	A	8.4	A	8.7	A	8.9	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		3	A	10	A	5	A
Amphibole Asbestos	%	NA		ND(1)	A	ND(1)	A	ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW36A		IR04MW36A		IR04MW36A		IR04MW36A
Sample Depth(feet):		10.50		15.50		30.50		35.00
Sample Number:		9047N157		9047N158		9047N159		9047N160
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/19/90		11/19/90		11/19/90		11/19/90
Lab Sample Number:		69004		69005		69006		69007
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	0.58	*	0.12	*	0.083	*	ND(0.065)	*
CLP-FUAA									
Arsenic	mg/kg	3.5	A	ND(1.25)	W	10.8	A	4.2	A
Lead	mg/kg	8.8	J2/S *	1.4	J2/*	7.5	J2/S *	3.3	J2/*
Selenium	mg/kg	ND(1.19)	J3/W N	ND(1.25)	J3/W N	ND(1.52)	J3/W N	ND(1.3)	J3/W N
Thallium	mg/kg	ND(1.19)	N	ND(1.25)	W N	ND(1.52)	N	ND(1.3)	N
CLP-ICP									
Aluminum	mg/kg	19600	A	4650	A	17800	A	6780	A
Antimony	mg/kg	78.3	J3/N	49.8	J3/N	75.5	J3/N	31.6	J3/N
Barium	mg/kg	67	J23/N*	18.8	J23/BN*	31.1	J23/BN*	18	J23/N*
Beryllium	mg/kg	0.74	B	0.34	B	0.93	B	0.44	B
Cadmium	mg/kg	ND(1.19)	A	ND(1.25)	A	ND(1.52)	A	ND(1.3)	A
Calcium	mg/kg	14500	A	564	B	3550	A	6820	A
Chromium	mg/kg	205	*	266	*	68	*	44.7	*
Cobalt	mg/kg	41	A	67.5	A	17.3	A	8.4	B
Copper	mg/kg	53.2	*	11.4	*	34.1	*	12.9	*
Iron	mg/kg	38500	A	28900	A	34200	A	13400	A
Magnesium	mg/kg	60800	*	129000	*	12600	*	4200	*
Manganese	mg/kg	830	A	463	A	344	A	165	A
Nickel	mg/kg	490	*	1580	*	76.5	*	33.4	*
Potassium	mg/kg	773	B	ND(48.8)	A	3620	A	1400	A
Silver	mg/kg	ND(2.38)	A	2.3	B	ND(3.05)	A	ND(2.59)	A
Sodium	mg/kg	346	B	1190	B	3510	A	1150	B
Vanadium	mg/kg	68.6	*	37.3	*	62.8	*	31.6	*
Zinc	mg/kg	65.6	*	21.1	*	78.3	*	27.2	*
Molybdenum	mg/kg	3.8	A	ND(2.5)	A	4.6	A	2.5	B
EPA-9045									
pH	ph	8.7	A	7.7	A	8.4	A	8.7	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		NA	
Amphibole Asbestos	%	NA		NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW37A		IR04MW37A		IR04MW37A		IR04MW37A
Sample Depth(feet):		1.50		3.50		5.50		10.50
Sample Number:		9047N177		9047N178		9047N179		9047N180
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/20/90		11/20/90		11/20/90		11/20/90
Lab Sample Number:		69148		69149		69140		69141
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.074	A	0.05	BA	0.34	A	0.3	A
CLP-FUAA									
Arsenic	mg/kg	9.2	A	4.9	A	3	S	3.6	S
Lead	mg/kg	3.3	*	3.4	*	2.4	*	4.4	*
Selenium	mg/kg	ND(1.11)	J3/W	ND(1.1)	J3/W	ND(1.09)	J3/W	ND(1.11)	J3
Thallium	mg/kg	ND(1.11)	A	ND(1.1)	W	ND(1.09)	W	ND(1.11)	W
CLP-ICP									
Aluminum	mg/kg	26200	A	24600	A	15900	A	18300	A
Antimony	mg/kg	96.8	J3/N	74.7	J3/N	90.6	J3/N	84.9	J3/N
Barium	mg/kg	64.4	A	119	A	168	A	182	A
Beryllium	mg/kg	1.3	A	0.82	B	0.42	B	0.45	B
Cadmium	mg/kg	5.4	A	5.8	A	6.8	A	6.1	A
Calcium	mg/kg	2470	A	15900	A	6510	A	8290	A
Chromium	mg/kg	191	A	206	A	1170	A	699	A
Cobalt	mg/kg	18.1	A	31.2	A	73.6	A	63	A
Copper	mg/kg	14.1	A	28.8	A	29.3	A	38.3	A
Iron	mg/kg	51000	A	37800	A	49600	A	44400	A
Magnesium	mg/kg	15500	A	43200	A	155000	A	105000	A
Manganese	mg/kg	1500	A	874	A	730	A	687	A
Nickel	mg/kg	45.7	A	356	A	1570	A	1130	A
Potassium	mg/kg	1350	A	999	B	842	B	835	B
Silver	mg/kg	ND(1.11)	A	ND(1.1)	A	1.3	B	1.6	B
Sodium	mg/kg	161	B	359	B	355	B	401	B
Vanadium	mg/kg	57.3	A	63.5	A	53.4	A	55.6	A
Zinc	mg/kg	48.4	A	45.2	A	39.4	A	47.4	A
Molybdenum	mg/kg	3.4	A	3	A	3.4	A	3.6	A
EPA-9045									
pH	ph	8.8	A	8.9	A	8.9	A	8.8	A
EPA-600/M482020									
Chrysotile Asbestos	%	ND(1)	A	2	A	NA		NA	
Amphibole Asbestos	%	ND(1)	A	ND(1)	A	NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW37A		IR04MW37A		IR04MW37A		IR04MW38A
Sample Depth(feet):		15.50		20.50		25.50		1.75
Sample Number:		9047N181		9047N182		9047N183		9048N224
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/20/90		11/20/90		11/20/90		11/29/90
Lab Sample Number:		69150		69151		69152		69813
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.064)	A	ND(0.064)	A	ND(0.073)	A	ND(0.052)	J2/N*
CLP-FUAA									
Arsenic	mg/kg	ND(1.27)	A	ND(1.28)	A	8	A	2.4	S
Lead	mg/kg	ND(0.51)	*	1.6	*	5.6	+ *	9	J23/*
Selenium	mg/kg	ND(1.27)	J3/W	ND(1.28)	J3/W	ND(1.47)	J3/W	ND(1)	WN
Thallium	mg/kg	ND(1.27)	W	ND(1.28)	W	ND(1.47)	W	ND(1)	W
CLP-ICP									
Aluminum	mg/kg	4360	A	4330	A	18400	A	25900	A
Antimony	mg/kg	61.1	J3/N	57.3	J3/N	68.2	J3/N	82	J3/N
Barium	mg/kg	17.1	B	8.3	B	29.1	B	216	A
Beryllium	mg/kg	ND(0.13)	A	ND(0.13)	A	0.65	B	0.83	B
Cadmium	mg/kg	5.9	A	5.2	A	5.2	A	4	*
Calcium	mg/kg	258	B	35.8	A	17900	A	16400	J2/*
Chromium	mg/kg	735	A	783	A	75.4	A	309	J2/*
Cobalt	mg/kg	83.5	A	84.5	A	16.2	A	49.1	A
Copper	mg/kg	11	A	12.5	A	26.8	A	35.1	J3/N*
Iron	mg/kg	33700	A	33600	A	35600	A	41600	A
Magnesium	mg/kg	191000	A	206000	A	13000	A	92100	J2/N*
Manganese	mg/kg	599	A	518	A	309	A	931	A
Nickel	mg/kg	1660	A	2060	A	98	A	723	J2/N*
Potassium	mg/kg	45	B	ND(43.4)	A	3450	A	1430	A
Silver	mg/kg	2.4	B	2.2	B	ND(1.47)	A	ND(1)	*
Sodium	mg/kg	497	B	434	B	2750	A	254	B
Vanadium	mg/kg	17.4	A	16.1	A	59.4	A	69.5	A
Zinc	mg/kg	20.6	A	20	A	56.3	A	123	A
Molybdenum	mg/kg	1.7	B	2.5	B	4.6	A	4.4	A
EPA-9045									
pH	ph	8.2	A	8.3	A	9	A	8.3	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		ND(1)	A
Amphibole Asbestos	%	NA		NA		NA		ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW38A		IR04MW38A		IR04MW38A		IR04MW38A
Sample Depth(feet):		3.75		5.75		10.75		15.75
Sample Number:		9048N225		9048N226		9048N227		9048N228
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/29/90		11/29/90		11/29/90		11/29/90
Lab Sample Number:		69814		69815		69816		69820
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.056)	J2/N*	ND(0.056)	J2/N*	ND(0.06)	J2/N*	ND(0.066)	J2/N*
CLP-FUAA									
Arsenic	mg/kg	4.7	S	1.8	B S	2.4	W*	9.2	*
Lead	mg/kg	22.1	J23/*	1.6	J23/*W	6.8	J23/NS*	11	N*
Selenium	mg/kg	ND(1.1)	WN	ND(1.1)	WN	ND(1.2)	NW	ND(1.3)	NW
Thallium	mg/kg	ND(1.1)	W	ND(1.1)	A	ND(1.2)	W	ND(1.3)	W
CLP-ICP									
Aluminum	mg/kg	33600	A	22000	A	22700	*	41600	*
Antimony	mg/kg	89.1	J3/N	101	J3/N	80.9	J3/N	190	J3/N
Barium	mg/kg	165	A	72.5	A	264	A	288	*
Beryllium	mg/kg	0.96	B	0.63	B	1.1	B	2.3	A
Cadmium	mg/kg	4.4	*	4.4	*	3.9	A	6.2	A
Calcium	mg/kg	11300	J2/*	6520	J2/*	11800	J2/*	19800	J2/*
Chromium	mg/kg	484	J2/*	ND(2)	A	206	*	205	*
Cobalt	mg/kg	68.9	A	81.4	A	39.8	A	42.3	A
Copper	mg/kg	43	J3/N*	21.3	J3/N*	60.3	A	311	A
Iron	mg/kg	43500	A	52200	A	39200	A	94800	A
Magnesium	mg/kg	70700	J2/N*	198000	J2/N*	28300	J2/N*	34300	J2/N*
Manganese	mg/kg	726	A	830	A	1630	J2/N*	2350	J2/N*
Nickel	mg/kg	952	J2/N*	1390	J2/N*	287	J3/N*	323	J3/N*
Potassium	mg/kg	889	B	43.7	A	1140	B	953	B
Silver	mg/kg	2	B	4.8	*	ND(1.2)	A	ND(1.3)	A
Sodium	mg/kg	508	B	449	B	610	B	989	B
Vanadium	mg/kg	72	A	59.2	A	106	A	299	A
Zinc	mg/kg	80.5	A	42.1	A	75.3	A	133	A
Molybdenum	mg/kg	5.2	A	3.8	A	4.4	A	8.6	A
EPA-9045									
pH	ph	8.7	A	8.8	A	8	A	7.5	A
EPA-600/M482020									
Chrysotile Asbestos	%	1	A	1	A	NA		NA	
Amphibole Asbestos	%	ND(1)	A	ND(1)	A	NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:	IR04MW38A		IR04MW38A		IR04MW39A		IR04MW39A	
Sample Depth(feet):	20.75		25.75		1.50		3.50	
Sample Number:	9048N229		9048N230		9047N161		9047N162	
Matrix:	SOIL		SOIL		SOIL		SOIL	
Sample Date:	11/29/90		11/29/90		11/19/90		11/19/90	
Lab Sample Number:	69821		69822		69008		69009	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	ND(0.063)	J2/N*	ND(0.062)	J2/N*	0.52	*	0.22	A
CLP-FUAA									
Arsenic	mg/kg	5.6	*	5.3	*	2.5	A	5.9	A
Lead	mg/kg	3.4	J23/NS*	5.9	N*	9.3	J2/S *	7.6	J2
Selenium	mg/kg	ND(1.3)	NMW	ND(1.2)	NW	ND(1.12)	J3/W N	ND(1.1)	J3
Thallium	mg/kg	ND(1.3)	W	ND(1.2)	W	ND(1.12)	N	ND(1.1)	A
CLP-ICP									
Aluminum	mg/kg	12400	*	13400	*	15100	A	29100	A
Antimony	mg/kg	55	J3/N	62.4	J3/N	47.4	J3/N	84.8	J3
Barium	mg/kg	37.9	B*	22.2	B*	204	J23/N*	194	J23
Beryllium	mg/kg	0.5	A	0.49	B	0.69	B	1	A
Cadmium	mg/kg	2	A	2.6	A	ND(1.12)	A	ND(1.1)	A
Calcium	mg/kg	28000	J2/*	4340	J2/*	62900	A	20100	A
Chromium	mg/kg	66.4	*	60.6	*	56.1	*	253	A
Cobalt	mg/kg	14.8	A	13.5	A	16	A	34.1	A
Copper	mg/kg	23.7	A	24.6	A	60.8	*	49.5	A
Iron	mg/kg	27700	A	31300	A	21800	A	39800	A
Magnesium	mg/kg	13500	J2/N*	10300	J2/N*	15500	*	55400	A
Manganese	mg/kg	381	J2/N*	279	J2/N*	711	A	844	A
Nickel	mg/kg	124	J3/N*	86.5	J3/N*	110	*	423	A
Potassium	mg/kg	2100	A	3000	A	890	B	1230	A
Silver	mg/kg	ND(1.3)	A	ND(1.2)	A	ND(2.24)	A	1.3	BA
Sodium	mg/kg	1320	A	2100	A	885	B	803	A
Vanadium	mg/kg	49.5	A	49.2	A	52.4	*	70.8	A
Zinc	mg/kg	50.4	A	58.2	A	66.4	*	71	A
Molybdenum	mg/kg	2.5	B	4.7	A	3.4	A	4.3	A
EPA-9045									
pH	ph	7.8	A	8.7	A	9.1	A	8.3	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		ND(1)	A	5	A
Amphibole Asbestos	%	NA		NA		ND(1)	A	ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW39A		IR04MW39A		IR04MW39A		IR04MW39A
Sample Depth(feet):		5.50		10.50		15.50		20.50
Sample Number:		9047N163		9047N164		9047N165		9047N166
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/19/90		11/19/90		11/19/90		11/19/90
Lab Sample Number:		69010		69011		69012		69013
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.28	A	0.13	J5	ND(0.057)	J5	ND(0.058)	J5
CLP-FUAA									
Arsenic	mg/kg	5.1	A	4.1	A	ND(1.14)	A	ND(1.15)	A
Lead	mg/kg	8.4	J2	4.4	A	ND(0.46)	*	ND(0.46)	*
Selenium	mg/kg	ND(1.13)	J3	1.14	J3	ND(1.14)	J3/W	ND(1.15)	J3/W
Thallium	mg/kg	ND(1.13)	A	1.14	A	ND(1.14)	W	ND(1.15)	W
CLP-ICP									
Aluminum	mg/kg	27300	A	21300	A	5010	A	4730	A
Antimony	mg/kg	80	J3	82.1	J3	46.7	J3/N	43.2	J3/N
Barium	mg/kg	187	J23	147	A	5.7	B	4.4	B
Beryllium	mg/kg	0.97	A	0.56	A	ND(0.11)	A	ND(0.12)	A
Cadmium	mg/kg	ND(1.13)	A	5.9	A	4.7	A	4.8	A
Calcium	mg/kg	14600	A	12100	A	476	B	295	B
Chromium	mg/kg	244	A	519	A	733	A	925	A
Cobalt	mg/kg	37.6	A	55.3	A	61.4	A	73.1	A
Copper	mg/kg	43.7	A	37.4	A	7.4	A	10.7	A
Iron	mg/kg	39300	A	42800	A	26500	A	24300	A
Magnesium	mg/kg	49200	A	110000	A	214000	A	213000	A
Manganese	mg/kg	778	A	778	A	860	A	724	A
Nickel	mg/kg	404	A	930	A	1110	A	1510	A
Potassium	mg/kg	1290	A	607	A	ND(38.9)	A	ND(39.2)	A
Silver	mg/kg	ND(2.27)	A	2.7	A	2.8	A	2.7	A
Sodium	mg/kg	860	A	499	A	274	B	311	B
Vanadium	mg/kg	68.9	A	57.6	A	16.5	A	21.8	A
Zinc	mg/kg	67.9	A	50.7	A	9.4	A	8.9	A
Molybdenum	mg/kg	3.8	A	3.1	A	1.5	B	ND(1.15)	A
EPA-9045									
pH	ph	8.2	A	8.8	A	8.6	A	8.7	A
EPA-600/M482020									
Chrysotile Asbestos	%	5	A	NA		NA		NA	
Amphibole Asbestos	%	ND(1)	A	NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW39A		IR04MW39A		IR04MW40A		IR04MW40A	
Sample Depth(feet):		25.50		30.50		1.50		3.50	
Sample Number:		9047N167		9047N168		9048N202		9048N203	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/19/90		11/19/90		11/28/90		11/28/90	
Lab Sample Number:		69014		69015		69463		69464	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.092	J5	ND(0.068)	J5	33.3	J2	0.31	J2
CLP-FUAA									
Arsenic	mg/kg	9.1	A	8.9	A	24.8	J3/SN*	2.6	J3/N *
Lead	mg/kg	6.6	S *	5.7	S *	147	J2/S	14.9	J2
Selenium	mg/kg	ND(1.45)	J3/W	ND(1.36)	J3/W	ND(1.13)	J3/W N	ND(1.12)	J3/W N
Thallium	mg/kg	ND(1.45)	W	ND(1.36)	W	ND(1.13)	A	ND(1.12)	W
CLP-ICP									
Aluminum	mg/kg	18600	A	17400	A	12700	A	10600	A
Antimony	mg/kg	80.4	J3/N	62.8	J3/N	62.1	J3/N	60.2	J3/N
Barium	mg/kg	31.3	B	28.8	B	92.2	A	76.5	A
Beryllium	mg/kg	0.58	B	0.52	B	0.33	JB	0.26	B
Cadmium	mg/kg	5.3	A	4	A	4.1	A	3.2	A
Calcium	mg/kg	4490	A	2980	A	5660	J2	16900	J2
Chromium	mg/kg	67.6	A	63.5	A	726	J2	704	J2
Cobalt	mg/kg	16.7	A	16.6	A	59.4	A	64.5	A
Copper	mg/kg	31	A	30.1	A	358	A	70.5	A
Iron	mg/kg	40300	A	33400	A	32800	A	33300	A
Magnesium	mg/kg	11700	A	10800	A	123000	J2	113000	J2
Manganese	mg/kg	345	A	272	A	819	A	744	A
Nickel	mg/kg	76.9	A	81.4	A	1160	J2	1340	J2
Potassium	mg/kg	3450	A	3070	A	263	B	423	B
Silver	mg/kg	ND(1.45)	A	ND(1.36)	A	2.7	A	1.9	B
Sodium	mg/kg	3140	A	2470	A	682	B	369	B
Vanadium	mg/kg	57.3	A	56.3	A	52	A	49.7	A
Zinc	mg/kg	66.4	A	57.6	A	257	A	50.6	A
Molybdenum	mg/kg	5.3	A	2.8	A	3.7	A	2.7	A
EPA-9045									
pH	ph	8.7	A	8.5	A	8.5	A	8	A
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		2	A	2	A
Amphibole Asbestos	%	NA		NA		ND(1)	A	ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW40A		IR04MW40A		IR04MW40A		IR04MW40A	
Sample Depth(feet):		5.50		10.50		15.50		20.50	
Sample Number:		9048N204		9048N205		9048N206		9048N207	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/28/90		11/28/90		11/28/90		11/28/90	
Lab Sample Number:		69465		69466		69467		69468	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.25	J2	0.54	J2	0.72	J2	0.79	J2
CLP-FUAA									
Arsenic	mg/kg	ND(1.17)	J3/W N	4.3	J3/N *	ND(1.22)	J3/W N	ND(1.31)	J3/W N
Lead	mg/kg	4.9	J2	10.4	J2/S	2.5	J2	4.8	J2
Selenium	mg/kg	ND(1.17)	J3/W N	ND(1.13)	J3/W N	ND(1.22)	J3/W N	ND(1.31)	J3/W N
Thallium	mg/kg	ND(1.17)	A	ND(1.13)	A	ND(1.22)	W	ND(1.31)	W
CLP-ICP									
Aluminum	mg/kg	4160	A	8050	A	3360	A	3650	A
Antimony	mg/kg	49.3	J3/N	49.8	J3/N	48.7	J3/N	46.8	J3/N
Barium	mg/kg	24.3	B	60.4	A	8.9	B	11.7	B
Beryllium	mg/kg	0.21	B	ND(0.11)	A	ND(0.12)	A	ND(0.13)	A
Cadmium	mg/kg	3.2	A	2.4	A	2	A	2.6	A
Calcium	mg/kg	1850	J2	5320	J2	248	J2/B	492	J2/B
Chromium	mg/kg	418	J2	318	J2	622	J2	644	J2
Cobalt	mg/kg	76	A	49.6	A	56.5	A	74.2	A
Copper	mg/kg	13.6	A	63.6	A	8.5	A	8.3	A
Iron	mg/kg	27200	A	27800	A	28000	A	28300	A
Magnesium	mg/kg	158000	J2	77400	J2	153000	J2	145000	J2
Manganese	mg/kg	855	A	645	A	541	A	651	A
Nickel	mg/kg	1490	J2	914	J2	1360	J2	1690	J2
Potassium	mg/kg	ND(39.8)	A	438	B	68.8	B	99.2	B
Silver	mg/kg	3.4	A	1.5	B	2.6	A	2.6	B
Sodium	mg/kg	301	B	470	B	1400	A	2270	A
Vanadium	mg/kg	18.3	A	37.1	A	16.4	A	20.8	A
Zinc	mg/kg	26	A	56.2	A	24.9	A	27.8	A
Molybdenum	mg/kg	2.1	A	3	A	2.6	A	2.5	A
EPA-9045									
pH	ph	7.8	A	8.1	A	8.3	A	7.9	A
EPA-600/M482020									
Chrysotile Asbestos	%	8	A	NA		NA		NA	
Amphibole Asbestos	%	ND(1)	A	NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-2
Analytical Results for Inorganic Compounds Detected in Soil Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:	IR04MW40A
Sample Depth(feet):	30.50
Sample Number:	9048N208
Matrix:	SOIL
Sample Date:	11/28/90
Lab Sample Number:	69469

Test Method/Analyte Name	Units	value	qual
CLP-CVAA			
Mercury	mg/kg	0.087	J2
CLP-FUAA			
Arsenic	mg/kg	9.1	J3/N *
Lead	mg/kg	8.4	J2
Selenium	mg/kg	ND(1.62)	J3/W N
Thallium	mg/kg	ND(1.62)	A
CLP-ICP			
Aluminum	mg/kg	15600	A
Antimony	mg/kg	65.7	J3/N
Barium	mg/kg	31.2	B
Beryllium	mg/kg	0.7	B
Cadmium	mg/kg	1.8	A
Calcium	mg/kg	4820	J2
Chromium	mg/kg	60.1	J2
Cobalt	mg/kg	18.9	A
Copper	mg/kg	38.5	A
Iron	mg/kg	35900	A
Magnesium	mg/kg	12200	J2
Manganese	mg/kg	378	A
Nickel	mg/kg	72.3	J2
Potassium	mg/kg	3430	A
Silver	mg/kg	ND(1.62)	A
Sodium	mg/kg	3710	A
Vanadium	mg/kg	60.5	A
Zinc	mg/kg	80.6	A
Molybdenum	mg/kg	5.4	A
EPA-9045			
pH	ph	8.3	A
EPA-600/M482020			
Chrysotile Asbestos	%	NA	
Amphibole Asbestos	%	NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Validation Assigned Qualifiers

A: Data is acceptable based on a review of laboratory and field QC samples and holding times as discussed in the text.

J2: Analytical results for this compound are qualified as estimated due to laboratory matrix duplicate quality control criteria exceedances.

J3: Analytical results for this compound are qualified as estimated due to poor spike recoveries.

J4: Analytical results for this compound are qualified as estimated due to ICP-serial dilution relative percent difference quality control criteria exceedances.

J5: Analytical results for this compound are qualified as estimated due to holding time exceedances.

J6: Analytical results for this compound are qualified as estimated due to field duplicate quality control criteria exceedances.

R1: Analytical results for this compound are qualified as rejected due to holding time exceedances.

R2: Analytical results for this compound are qualified as rejected due to poor spike recoveries.

U1: Compound is qualified as non-detected due to its occurrence in the laboratory blanks.

U2: Compound is qualified as non-detected due to its occurrence in the field blanks.

V: Sample has undergone full CLP validation.

Laboratory Assigned Qualifiers

B: Reported value is less than the CRDL and greater than or equal to the instrument detection limit.

E: The serial dilution analysis did not meet the contractual requirement of +/- 10% (SOW 7/87 E-12)

G: Reporting limit raised due to matrix interference.

N: Spiked sample recovery not within control limits.

O: Reporting limit raised due to high level of analyte present in sample.

R: Reporting limit raised due to high level of analyte present in sample.

S: The reported value was determined by the Method of Standard Additions (MSA).

U: Compound was analyzed but not detected.

W: Post-digestion spike for furnace AA analysis is outside of control limits.

*: Duplicate analysis not within control limits.

+: Correlation coefficient for the MSA is less than 0.995.

Table B-3
Analytical Results for Organic Compounds Detected in Groundwater Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:	IR04B014	IR04B021	IR04B022	IR04B022
Sample Depth(feet):	0.00	0.00	0.00	0.00
Sample Number:	9046G474	9046G483	9048N237	9048N238
Matrix:	H2O	H2O	H2O	H2O
Sample Date:	11/14/90	11/14/90	11/30/90	11/30/90
Lab Sample Number:	68384	68385	69823	69826

Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Methylene chloride	ug/l	ND(5)	J35	ND(6.2)	U1/B	ND(5)	A	ND(5)	A
1,1-Dichloroethene	ug/l	ND(5)	J35	ND(5)	A	ND(5)	A	ND(5)	A
1,1-Dichloroethane	ug/l	ND(5)	J35	ND(5)	A	ND(5)	A	ND(5)	A
Bromodichloromethane	ug/l	ND(5)	J35	ND(5)	A	ND(5)	A	2.5	J
Trichloroethene	ug/l	ND(5)	J35	ND(5)	A	ND(5)	A	ND(5)	A
Dibromochloromethane	ug/l	ND(5)	J35	ND(5)	A	ND(5)	A	4	J
Tetrachloroethene	ug/l	ND(5)	J35	ND(5)	A	ND(5)	A	ND(5)	A
Toluene	ug/l	ND(5)	J35	ND(5)	A	ND(5)	A	ND(5)	A
Xylenes	ug/l	ND(5)	J35	ND(5)	A	ND(5)	A	ND(5)	A
CLP-SOC									
Naphthalene	ug/l	16	J	ND(22)	A	ND(27)	A	ND(27)	A
2-Methylnaphthalene	ug/l	13	J	ND(22)	A	ND(27)	A	ND(27)	A
Di-n-octylphthalate	ug/l	ND(20)	A	ND(22)	A	ND(27)	A	ND(27)	A
CLP-PEST/PCB									
Heptachlor	ug/l	ND(2.5)	A	ND(0.05)	A	0.06	B	ND(0.05)	A
Dieldrin	ug/l	ND(5)	A	ND(0.1)	A	ND(0.1)	A	ND(0.1)	A
Aroclor-1254	ug/l	59	A	ND(1)	A	ND(1)	A	ND(1)	A
TPH DIESEL									
TPH-Diesel	mg/l	6.5	A	ND(0.5)	A	ND(0.5)	A	ND(0.5)	A
TPH GAS									
TPH-Gasoline	mg/l	ND(0.05)	J5	ND(0.05)	J5	ND(0.05)	J5	ND(0.05)	J5
OIL & GREASE									
Total Oil & Grease	mg/l	8.8	A	ND(5)	A	6.2	A	ND(5)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-3
Analytical Results for Organic Compounds Detected in Groundwater Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B023		IR04B027		IR04B033		IR04B033
Sample Depth(feet):		0.00		0.00		0.00		0.00
Sample Number:		9046H426		9048N219		9046H437		9046H438
Matrix:		H2O		H2O		H2O		H2O
Sample Date:		11/14/90		11/29/90		11/15/90		11/15/90
Lab Sample Number:		68383		69824		68576		68577
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/l	ND(5)	A	ND(5)	A	ND(5)	U1J5/JB	ND(8)	U1/B
1,1-Dichloroethene	ug/l	ND(5)	A	ND(5)	A	111	J5	95	A
1,1-Dichloroethane	ug/l	ND(5)	A	ND(5)	A	96	J5	89	A
Bromodichloromethane	ug/l	ND(5)	A	ND(5)	A	ND(5)	J5	ND(5)	A
Trichloroethene	ug/l	ND(5)	A	ND(5)	A	124	J5	150	A
Dibromochloromethane	ug/l	ND(5)	A	ND(5)	U2/J	ND(5)	J5	ND(5)	A
Tetrachloroethene	ug/l	ND(5)	A	ND(5)	A	440	J5	465	A
Toluene	ug/l	ND(5)	A	ND(5)	A	ND(5)	J5	ND(5)	A
Xylenes	ug/l	ND(5)	A	ND(5)	A	ND(5)	J5	ND(5)	A
CLP-SOC									
Naphthalene	ug/l	ND(10)	A	ND(20)	A	ND(10)	A	ND(10)	A
2-Methylnaphthalene	ug/l	ND(10)	A	ND(20)	A	ND(10)	A	ND(10)	A
Di-n-octylphthalate	ug/l	ND(10)	A	ND(20)	A	ND(10)	A	ND(10)	A
CLP-PEST/PCB									
Heptachlor	ug/l	ND(0.05)	A	ND(0.05)	A	ND(0.5)	A	ND(0.05)	A
Dieldrin	ug/l	ND(0.1)	A	ND(0.1)	A	ND(1)	A	ND(0.1)	A
Aroclor-1254	ug/l	ND(1)	A	ND(1)	A	ND(10)	A	ND(1)	A
TPH DIESEL									
TPH-Diesel	mg/l	ND(0.5)	A	ND(0.5)	A	ND(0.5)	A	ND(0.5)	A
TPH GAS									
TPH-Gasoline	mg/l	ND(0.05)	J5	ND(0.05)	J5	0.38	J5	0.36	J5
OIL & GREASE									
Total Oil & Grease	mg/l	ND(5)	A	ND(5)	A	10.8	A	6.5	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-3
Analytical Results for Organic Compounds Detected in Groundwater Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:	IR04MW09A	IR04MW09A	IR04MW31A	IR04MW35A
Sample Depth(feet):	0.00	0.00	0.00	0.00
Sample Number:	9049J086	9049J088	9049J089	9049J085
Matrix:	H2O	H2O	H2O	H2O
Sample Date:	12/03/90	12/03/90	12/03/90	12/03/90
Lab Sample Number:	69972	69973	69974	69971

Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Methylene chloride	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5.5)	U1
1,1-Dichloroethene	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A
1,1-Dichloroethane	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A
Bromodichloromethane	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A
Trichloroethene	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A
Dibromochloromethane	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A
Tetrachloroethene	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A
Toluene	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A
Xylenes	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A
CLP-SOC									
Naphthalene	ug/l	ND(20)	A	ND(20)	A	ND(20)	J3	ND(20)	A
2-Methylnaphthalene	ug/l	ND(20)	A	ND(20)	A	ND(20)	J3	ND(20)	A
Di-n-octylphthalate	ug/l	ND(20)	A	ND(20)	A	ND(20)	J3	ND(20)	A
CLP-PEST/PCB									
Heptachlor	ug/l	ND(0.05)	A	ND(0.05)	A	ND(0.05)	A	ND(0.05)	A
Dieldrin	ug/l	ND(0.1)	A	ND(0.1)	A	ND(0.1)	A	ND(0.1)	A
Aroclor-1254	ug/l	ND(1)	A	ND(1)	A	ND(1)	A	ND(1)	A
TPH DIESEL									
TPH-Diesel	mg/l	ND(0.5)	A	ND(0.5)	A	ND(0.5)	A	ND(0.5)	A
TPH GAS									
TPH-Gasoline	mg/l	ND(0.05)	J5	ND(0.05)	J5	ND(0.05)	J5	ND(0.05)	J5
OIL & GREASE									
Total Oil & Grease	mg/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-3
Analytical Results for Organic Compounds Detected in Groundwater Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW36A		IR04MW36A		IR04MW37A		IR04MW38A
Sample Depth(feet):		0.00		0.00		0.00		0.00
Sample Number:		9049J108		9049J109		9049J097		9049J095
Matrix:		H2O		H2O		H2O		H2O
Sample Date:		12/07/90		12/07/90		12/05/90		12/05/90
Lab Sample Number:		70389		70390		70278		70276
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/l	ND(5)	A	ND(5)	A	6	A	ND(5)	A
1,1-Dichloroethene	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A
1,1-Dichloroethane	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A
Bromodichloromethane	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A
Trichloroethene	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A
Dibromochloromethane	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A
Tetrachloroethene	ug/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A
Toluene	ug/l	2.8	J	ND(5)	A	ND(5)	A	ND(5)	A
Xylenes	ug/l	11	A	8.4	A	ND(5)	A	ND(5)	A
CLP-SOC									
Naphthalene	ug/l	ND(40)	A	ND(40)	A	ND(20)	A	ND(20)	A
2-Methylnaphthalene	ug/l	ND(40)	A	ND(40)	A	ND(20)	A	ND(20)	A
Di-n-octylphthalate	ug/l	ND(40)	A	ND(40)	A	ND(20)	A	ND(20)	A
CLP-PEST/PCB									
Heptachlor	ug/l	ND(0.05)	A	ND(0.05)	A	ND(0.05)	A	ND(0.05)	A
Dieldrin	ug/l	0.32	A	0.26	A	ND(0.1)	A	ND(0.1)	A
Aroclor-1254	ug/l	ND(1)	A	ND(1)	A	ND(1)	A	ND(1)	A
TPH DIESEL									
TPH-Diesel	mg/l	10	D	8.2	D	ND(0.5)	A	ND(0.5)	A
TPH GAS									
TPH-Gasoline	mg/l	1.1	A	13	A	ND(0.05)	J5	ND(0.05)	J5
OIL & GREASE									
Total Oil & Grease	mg/l	17	A	67.5	A	ND(5)	A	ND(5)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-3
Analytical Results for Organic Compounds Detected in Groundwater Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW38A		IR04MW39A		IR04MW40A		IR04MW40A
Sample Depth(feet):		0.00		0.00		0.00		0.00
Sample Number:		9049J096		9049J090		9049J092		9049J093
Matrix:		H2O		H2O		H2O		H2O
Sample Date:		12/05/90		12/04/90		12/04/90		12/04/90
Lab Sample Number:		70277		70026		70028		70029
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/l	4.5	J	ND(5)	J5	ND(5)	A	ND(5)	J3
1,1-Dichloroethene	ug/l	ND(5)	A	ND(5)	J5	ND(5)	A	ND(5)	J3
1,1-Dichloroethane	ug/l	ND(5)	A	ND(5)	J5	ND(5)	A	ND(5)	J3
Bromodichloromethane	ug/l	ND(5)	A	ND(5)	J5	ND(5)	A	ND(5)	J3
Trichloroethene	ug/l	ND(5)	A	9.2	J5	ND(5)	A	ND(5)	J3
Dibromochloromethane	ug/l	ND(5)	A	2.9	J5/J	ND(5)	A	ND(5)	J3
Tetrachloroethene	ug/l	ND(5)	A	ND(5)	J5	ND(5)	A	ND(5)	J3
Toluene	ug/l	ND(5)	A	ND(5)	J5	ND(5)	A	ND(5)	J3
Xylenes	ug/l	ND(5)	A	ND(5)	J5	ND(5)	A	ND(5)	J3
CLP-SOC									
Naphthalene	ug/l	ND(20)	A	ND(20)	A	ND(20)	J35	ND(20)	J3
2-Methylnaphthalene	ug/l	ND(20)	A	ND(20)	A	ND(20)	J35	ND(20)	J3
Di-n-octylphthalate	ug/l	ND(20)	A	6.7	JD	ND(20)	J35	ND(20)	J3
CLP-PEST/PCB									
Heptachlor	ug/l	ND(0.05)	A	ND(0.05)	A	ND(0.05)	A	ND(0.05)	A
Dieldrin	ug/l	ND(0.1)	A	ND(0.1)	A	ND(0.1)	A	ND(0.1)	A
Aroclor-1254	ug/l	ND(1)	A	ND(1)	A	ND(1)	A	ND(1)	A
TPH DIESEL									
TPH-Diesel	mg/l	ND(0.5)	A	ND(0.5)	A	ND(0.5)	A	ND(0.5)	A
TPH GAS									
TPH-Gasoline	mg/l	ND(0.05)	J5	ND(0.05)	A	ND(0.05)	A	ND(0.05)	A
OIL & GREASE									
Total Oil & Grease	mg/l	ND(5)	A	ND(5)	A	ND(5)	A	ND(5)	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Validation Assigned Qualifiers

A: Data is acceptable based on a review of laboratory and field QC samples and holding times as discussed in the text.

F: The presence of this compound is due to suspected field contamination.

J3: Analytical results for this compound are qualified as estimated due to poor spike recoveries.

J5: Analytical results for this compound are qualified as estimated due to holding time exceedances.

J7: Analytical results for this compound are qualified as estimated due to linearity problems in the initial calibration.

J8: Analytical results for this compound are qualified as estimated due to detection of the compound above the instrument calibration range.

R1: Analytical results for this compound are qualified as rejected due to holding time exceedances.

R2: Analytical results for this compound are qualified as rejected due to poor spike recoveries.

U1: Compound is qualified as non-detected due to its occurrence in the laboratory blanks.

U2: Compound is qualified as non-detected due to its occurrence in the field blanks.

V: Sample has undergone full CLP validation.

Laboratory Assigned Qualifiers

B: Compound is also detected in the laboratory method blank.

#,b: Analytical results should not be considered reliable for this common lab contaminant.

D: Compound is identified in an analysis at a secondary dilution factor.

E: Concentration exceeds the calibration range of the GC/MS instrument for the specific analysis.

G: Reporting limit raised due to matrix interference.

J: Result is detected below the reporting limit or is an estimated concentration.

j: All reporting limits for this sample raised due to matrix interferences.

l: If 'l' is attached to a diesel result, then either the hydrocarbons present in this sample represent an unknown mixture at a concentrtion of less than 45 mg/kg, or the hydrocarbons present in this sample do not fit the diesel pattern, but are found in the diesel range. (Quantification was based upon diesel references.) If 'l' is attached to a gasoline result, then this sample contains late eluting hydrocarbons. Early gasoline peaks are below reporting limits.

o: Reporting limit raised due to high level of analyte present in sample.

Laboratory Assigned Qualifiers (Continued...)

r: Reporting limit changed due to sample volume limitations.

U: Compound was analyzed but not detected.

X,Y: Specific flag used to properly define the results. Qualifier is fully described in the Sample Data Summary Package and the Case Narrative.

Table B-4
Analytical Results for Inorganic Compounds Detected in Groundwater Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:	IR04B014	IR04B021	IR04B022	IR04B022
Sample Depth(feet):	0.00	0.00	0.00	0.00
Sample Number:	9046G474	9046G483	9048N237	9048N238
Matrix:	H2O	H2O	H2O	H2O
Sample Date:	11/14/90	11/14/90	11/30/90	11/30/90
Lab Sample Number:	68384	68385	69823	69826

Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	ug/l	ND(0.2)	A	ND(0.2)	A	ND(0.2)	A	NA	
CLP-FUAA									
Arsenic	ug/l	ND(5)	W	ND(5)	W	ND(5)	A	NA	
Lead	ug/l	ND(2)	A	ND(2)	W	4.6	J3/N	NA	
Selenium	ug/l	1.1	J3/BN	ND(5)	J3/NW	ND(5)	J3	NA	
Thallium	ug/l	ND(5)	R2/N	ND(5)	R2/NW	5	J3/WN	NA	
CLP-ICP									
Aluminum	ug/l	ND(104)	A	ND(104)	A	178	B	NA	
Barium	ug/l	94.1	B	133	B	86.6	B	NA	
Calcium	ug/l	7510	A	67400	A	43100	E	NA	
Cobalt	ug/l	ND(16)	A	ND(16)	A	ND(16)	A	NA	
Copper	ug/l	ND(8)	A	ND(8)	A	ND(8)	A	NA	
Iron	ug/l	38.2	B	ND(12)	A	ND(66.5)	U1/B	NA	
Magnesium	ug/l	7230	A	122000	A	208000	A	NA	
Manganese	ug/l	13.8	B	509	A	199	A	NA	
Nickel	ug/l	ND(19)	N	ND(19)	N	ND(19)	A	NA	
Potassium	ug/l	3990	B	14100	A	37500	A	NA	
Silver	ug/l	ND(10)	A	ND(10)	A	ND(10)	A	NA	
Sodium	ug/l	61500	A	533000	A	697000	A	NA	
Zinc	ug/l	30.2	A	13.8	B	ND(5)	A	NA	
Molybdenum	ug/l	30.4	N	ND(10)	N	ND(10)	A	NA	
EPA-300.0									
Chloride	mg/l	NA		NA		NA		NA	
EPA-9045									
pH	ph	8.5	A	7.3	A	7.3	A	8.2	A
EPA-160.1									
Total Dissolved Solids	mg/l	NA		NA		NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-4
Analytical Results for Inorganic Compounds Detected in Groundwater Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04B023		IR04B027		IR04B033		IR04B033	
Sample Depth(feet):		0.00		0.00		0.00		0.00	
Sample Number:		9046H426		9048N219		9046H437		9046H438	
Matrix:		H2O		H2O		H2O		H2O	
Sample Date:		11/14/90		11/29/90		11/15/90		11/15/90	
Lab Sample Number:		68383		69824		68576		68577	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	ug/l	ND(0.2)	A	ND(0.2)	A	ND(0.2)	A	ND(0.2)	A
CLP-FUAA									
Arsenic	ug/l	ND(5)	A	24.5	A	ND(5)	A	ND(5)	A
Lead	ug/l	ND(2)	A	ND(2)	J3/WN	ND(2)	J3/N	ND(2)	J3/N
Selenium	ug/l	ND(5)	J3/NW	ND(5)	J3/WN	ND(5)	J3/WN	ND(5)	J3/N
Thallium	ug/l	ND(5)	R2/NW	ND(5)	J3/WN	ND(5)	J3/N	ND(5)	J3/WN
CLP-ICP									
Aluminum	ug/l	ND(104)	A	136	B	ND(104)	A	ND(104)	A
Barium	ug/l	96.2	B	79.4	B	277	A	273	A
Calcium	ug/l	61900	A	16800	E	111000	E	109000	E
Cobalt	ug/l	ND(16)	A	ND(16)	A	ND(16)	A	ND(16)	A
Copper	ug/l	ND(8)	A	ND(8)	A	ND(8)	A	ND(8)	A
Iron	ug/l	ND(12)	A	89.5	B	ND(12)	A	ND(12)	A
Magnesium	ug/l	92800	A	10600	A	329000	A	323000	A
Manganese	ug/l	297	A	29.9	A	333	A	328	A
Nickel	ug/l	ND(19)	N	ND(19)	A	97.4	A	94.3	A
Potassium	ug/l	10500	A	6810	A	7830	A	7480	A
Silver	ug/l	ND(10)	A	ND(10)	A	ND(10)	A	ND(10)	A
Sodium	ug/l	346000	A	212000	A	598000	A	588000	A
Zinc	ug/l	26.2	A	5.2	B	ND(5)	A	ND(5)	A
Molybdenum	ug/l	ND(10)	N	84.8	A	10.4	A	10.9	A
EPA-300.0									
Chloride	mg/l	NA		NA		NA		NA	
EPA-9045									
pH	ph	7.3	A	8.6	A	7.8	A	7.8	A
EPA-160.1									
Total Dissolved Solids	mg/l	NA		NA		NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-4
Analytical Results for Inorganic Compounds Detected in Groundwater Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW09A		IR04MW09A		IR04MW31A		IR04MW35A	
Sample Depth(feet):		0.00		0.00		0.00		0.00	
Sample Number:		9049J086		9049J088		9049J089		9049J085	
Matrix:		H2O		H2O		H2O		H2O	
Sample Date:		12/03/90		12/03/90		12/03/90		12/03/90	
Lab Sample Number:		69972		69973		69974		69971	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	ug/l	ND(0.2)	A	ND(0.2)	A	ND(0.2)	A	ND(0.2)	A
CLP-FUAA									
Arsenic	ug/l	8.8	B W	9	B	ND(5)	A	ND(5)	A
Lead	ug/l	ND(2)	J3/WN	ND(2)	J3/WN	ND(2)	J3/WN	ND(2)	J3/N
Selenium	ug/l	ND(5)	J3/N	ND(5)	J3/N	ND(5)	J3/WN	ND(5)	J3/N
Thallium	ug/l	ND(5)	J3/WN	ND(5)	J3/WN	ND(5)	J3/WN	ND(5)	J3/WN
CLP-ICP									
Aluminum	ug/l	ND(104)	A	ND(104)	A	ND(104)	A	ND(104)	A
Barium	ug/l	59.6	B	55.9	B	124	B	508	A
Calcium	ug/l	42200	E	44800	E	129000	E	172000	E
Cobalt	ug/l	ND(16)	A	ND(16)	A	ND(16)	A	19.8	B
Copper	ug/l	ND(8)	A	ND(8)	A	ND(8)	A	ND(8)	A
Iron	ug/l	ND(12)	A	ND(12)	A	ND(12)	A	ND(12)	A
Magnesium	ug/l	106000	A	108000	A	482000	A	896000	A
Manganese	ug/l	141	A	153	A	1950	A	4800	A
Nickel	ug/l	ND(19)	A	20.4	B	38.4	B	119	A
Potassium	ug/l	13500	A	16300	A	6510	A	44000	A
Silver	ug/l	ND(10)	A	ND(10)	A	ND(10)	A	ND(10)	A
Sodium	ug/l	428000	A	488000	A	1040000	A	2420000	A
Zinc	ug/l	ND(5)	U1/B	ND(5)	A	ND(5)	A	ND(5)	A
Molybdenum	ug/l	15.5	A	16.5	A	ND(10)	A	ND(10)	A
EPA-300.0									
Chloride	mg/l	395	A	425	A	2060	A	6980	A
EPA-9045									
pH	ph	8	A	8.3	A	8.2	A	7.8	A
EPA-160.1									
Total Dissolved Solids	mg/l	1370	A	1390	A	4860	J5	14200	J5

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-4
Analytical Results for Inorganic Compounds Detected in Groundwater Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:		IR04MW36A		IR04MW36A		IR04MW37A		IR04MW38A
Sample Depth(feet):		0.00		0.00		0.00		0.00
Sample Number:		9049J108		9049J109		9049J097		9049J095
Matrix:		H2O		H2O		H2O		H2O
Sample Date:		12/07/90		12/07/90		12/05/90		12/05/90
Lab Sample Number:		70389		70390		70278		70276
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	ug/l	ND(0.2)	N*	0.2	BN*	ND(0.2)	J5/N*	0.2	J5/BN*
CLP-FUAA									
Arsenic	ug/l	88.7	A	140	A	ND(10)	A	10	A
Lead	ug/l	ND(2)	NE	ND(2)	NE	ND(2)	J3/NE	ND(2)	J3/NE
Selenium	ug/l	ND(5)	NW	ND(5)	NW	ND(5)	J3/NW	ND(5)	J3/NW
Thallium	ug/l	19.3	NW	ND(5)	NW	ND(5)	J3/NW	2.1	J3/BNW
CLP-ICP									
Aluminum	ug/l	ND(120)	A	136	B	145	B	ND(120)	A
Barium	ug/l	559	J6/E	196	J6/BE	118	B	299	A
Calcium	ug/l	83900	E	52100	E	35800	A	44000	A
Cobalt	ug/l	7.6	B	7.9	B	ND(6)	A	ND(6)	A
Copper	ug/l	4.3	B	6.6	B	4.8	B	5.6	B
Iron	ug/l	77.6	B	66.3	B	ND(20)	U1	ND(25.3)	U1/B
Magnesium	ug/l	363000	A	193000	A	142000	A	116000	A
Manganese	ug/l	2070	E	1190	E	285	A	1170	A
Nickel	ug/l	45.3	A	27.5	B	21.8	B	24.4	B
Potassium	ug/l	17500	A	11100	A	17600	A	13100	A
Silver	ug/l	ND(5.1)	J6/N*	18.5	J6/N*	ND(5.1)	A	ND(5.1)	A
Sodium	ug/l	718000	J6	345000	J6	474000	A	326000	A
Zinc	ug/l	ND(3)	A	ND(3)	A	5.1	B	12.5	B
Molybdenum	ug/l	ND(5.1)	A	ND(5.1)	A	ND(5.1)	A	ND(5.1)	A
EPA-300.0									
Chloride	mg/l	1430	A	2240	A	740	A	598	A
EPA-9045									
pH	ph	7	A	6.9	A	7.8	A	7.5	A
EPA-160.1									
Total Dissolved Solids	mg/l	3660	A	5040	A	2130	A	1690	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-4
Analytical Results for Inorganic Compounds Detected in Groundwater Samples
Scrap Yard, Site IR-4
Hunters Point Annex

Station Number:	IR04MW38A		IR04MW39A		IR04MW40A		IR04MW40A	
Sample Depth(feet):	0.00		0.00		0.00		0.00	
Sample Number:	9049J096		9049J090		9049J092		9049J093	
Matrix:	H2O		H2O		H2O		H2O	
Sample Date:	12/05/90		12/04/90		12/04/90		12/04/90	
Lab Sample Number:	70277		70026		70028		70029	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	ug/l	ND(0.2)	J5/N*	ND(0.2)	A	ND(0.2)	A	ND(0.2)	A
CLP-FUAA									
Arsenic	ug/l	10	A	ND(5)	A	ND(5)	A	ND(5)	A
Lead	ug/l	ND(2)	J3/NE	ND(2)	J3/WN	ND(2)	J3/N	ND(2)	J3/N
Selenium	ug/l	ND(5)	J3/NW	ND(5)	J3/WN	ND(5)	J3/WN	ND(5)	J3/WN
Thallium	ug/l	ND(5)	J3/NW	ND(5)	J3/WN	ND(5)	J3/EN	ND(5)	J3/EN
CLP-ICP									
Aluminum	ug/l	150	B	ND(104)	A	ND(178)	U2/B	ND(186)	U2/B
Barium	ug/l	295	A	49.1	B	374	A	369	A
Calcium	ug/l	42400	A	7470	E	285000	E	278000	E
Cobalt	ug/l	ND(6)	A	ND(16)	A	ND(16)	A	ND(16)	A
Copper	ug/l	4.8	B	ND(8)	A	ND(8)	A	ND(8)	A
Iron	ug/l	ND(54.4)	U1/B	ND(12)	U1	ND(12)	U1	ND(12)	U1
Magnesium	ug/l	112000	A	87800	A	919000	A	913000	A
Manganese	ug/l	1140	A	19.4	A	2940	A	2880	A
Nickel	ug/l	18.6	B	ND(19)	A	45.3	A	46.2	A
Potassium	ug/l	12600	A	31000	A	216000	A	220000	A
Silver	ug/l	ND(5.1)	A	ND(10)	A	ND(10)	A	ND(10)	A
Sodium	ug/l	317000	A	543000	A	6600000	A	6490000	A
Zinc	ug/l	8.7	B	ND(18.9)	U1/B	ND(5)	U1	ND(5)	U1
Molybdenum	ug/l	ND(5.1)	A	ND(10)	A	ND(10)	A	ND(10)	A
EPA-300.0									
Chloride	mg/l	590	A	762	A	10900	A	10800	A
EPA-9045									
pH	ph	7.6	A	8.3	A	7.4	A	7.4	A
EPA-160.1									
Total Dissolved Solids	mg/l	1720	A	1800	A	24200	A	24300	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Validation Assigned Qualifiers

A: Data is acceptable based on a review of laboratory and field QC samples and holding times as discussed in the text.

J2: Analytical results for this compound are qualified as estimated due to laboratory matrix duplicate quality control criteria exceedances.

J3: Analytical results for this compound are qualified as estimated due to poor spike recoveries.

J4: Analytical results for this compound are qualified as estimated due to ICP-serial dilution relative percent difference quality control criteria exceedances.

J5: Analytical results for this compound are qualified as estimated due to holding time exceedances.

J6: Analytical results for this compound are qualified as estimated due to field duplicate quality control criteria exceedances.

R1: Analytical results for this compound are qualified as rejected due to holding time exceedances.

R2: Analytical results for this compound are qualified as rejected due to poor spike recoveries.

U1: Compound is qualified as non-detected due to its occurrence in the laboratory blanks.

U2: Compound is qualified as non-detected due to its occurrence in the field blanks.

V: Sample has undergone full CLP validation.

Laboratory Assigned Qualifiers

B: Reported value is less than the CRDL and greater than or equal to the instrument detection limit.

E: The serial dilution analysis did not meet the contractual requirement of +/- 10% (SOW 7/87 E-12)

G: Reporting limit raised due to matrix interference.

N: Spiked sample recovery not within control limits.

O: Reporting limit raised due to high level of analyte present in sample.

R: Reporting limit raised due to high level of analyte present in sample.

S: The reported value was determined by the Method of Standard Additions (MSA).

U: Compound was analyzed but not detected.

W: Post-digestion spike for furnace AA analysis is outside of control limits.

*: Duplicate analysis not within control limits.

+: Correlation coefficient for the MSA is less than 0.995.

ORGANIC AND INORGANIC CHEMICAL ANALYSES RESULTS FOR SOIL AND GROUNDWATER SAMPLES SITE IR-5

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B046		IR05B046		IR05B046		IR05B046
Sample Depth(feet):		1.25		3.25		5.75		10.75
Sample Number:		9048H507		9048H508		9048H509		9048H510
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/29/90		11/29/90		11/29/90		11/29/90
Lab Sample Number:		9012001-07A		9012001-08A		9012001-09A		9012001-10A
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Methylene chloride	ug/kg	ND(39)	U1J5	66	J5	ND(19)	U1J5/B	ND(26)	U1J5/B
Acetone	ug/kg	ND(11)	U1/B	ND(12)	U1/B	ND(81)	U1/B	ND(22)	U1/B
Carbon disulfide	ug/kg	ND(5)	R1/U	ND(6)	R1/U	ND(5)	R1/U	ND(7)	R1/U
Chloroform	ug/kg	4	J5/J	ND(6)	R1/U	ND(5)	R1/U	ND(7)	R1/U
Methyl ethyl ketone	ug/kg	ND(11)	U1R1/U	ND(11)	U1R1/U	ND(11)	U1R1/U	ND(13)	U1J5
Trichloroethene	ug/kg	ND(5)	R1/U	ND(6)	R1/U	ND(5)	R1/U	ND(7)	R1/U
Toluene	ug/kg	6	FJ5	7	FJ5	ND(5)	R1/U	ND(7)	R1/U
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(380)	R1/U	ND(390)	R1/U	ND(380)	R1/U	ND(390)	R1/U
Acenaphthylene	ug/kg	ND(380)	R1J3/U	ND(390)	R1J3/U	ND(380)	R1J3/U	ND(390)	R1J3/U
n-Nitrosodiphenylamine	ug/kg	ND(380)	R1/U	ND(390)	R1/U	ND(380)	R1/U	ND(390)	R1/U
Phenanthrene	ug/kg	470	J5	ND(390)	R1/U	ND(380)	R1/U	ND(390)	R1/U
Anthracene	ug/kg	ND(380)	R1/U	ND(390)	R1/U	ND(380)	R1/U	ND(390)	R1/U
Fluoranthene	ug/kg	960	J5	220	J5/J	ND(380)	R1/U	ND(390)	R1/U
Pyrene	ug/kg	800	J5	160	J5/J	ND(380)	R1/U	ND(390)	R1/U
Butylbenzylphthalate	ug/kg	ND(380)	R1/U	ND(390)	R1/U	ND(380)	R1/U	ND(390)	R1/U
Benzo(a)anthracene	ug/kg	450	J5	ND(390)	R1/U	ND(380)	R1/U	ND(390)	R1/U
Chrysene	ug/kg	630	J5	180	J5/J	ND(380)	R1/U	ND(390)	R1/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(380)	U1/J	ND(390)	R1/U	ND(380)	U1/U	ND(390)	U1/U
Benzo(b)fluoranthene	ug/kg	420	J5	ND(390)	R1/U	ND(380)	R1/U	ND(390)	R1/U
Benzo(k)fluoranthene	ug/kg	420	J5	ND(390)	R1/U	ND(380)	R1/U	ND(390)	R1/U
Benzo(a)pyrene	ug/kg	390	R1	ND(390)	R1/U	ND(380)	R1/U	ND(390)	R1/U
Indeno(1,2,3-cd)pyrene	ug/kg	320	J5/J	ND(390)	R1/U	ND(380)	R1/U	ND(390)	R1/U
Dibenzo(a,h)anthracene	ug/kg	ND(380)	R1/U	ND(390)	R1/U	ND(380)	R1/U	ND(390)	R1/U
Benzo(ghi)perylene	ug/kg	350	J5/J	ND(390)	R1/U	ND(380)	R1/U	ND(390)	R1/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	1340	J35	ND(700)	J5/U	ND(650)	J5/U	ND(690)	J5/U
TPH DIESEL									
TPH-Diesel	mg/kg	ND(21)	A/U	ND(22)	A/U	ND(21)	A/U	ND(23)	A/U
OIL & GREASE									
Total Oil & Grease	mg/kg	ND(520)	A/U	ND(540)	A/U	960	A	ND(550)	A/U

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B046		IR05B046		IR05B047		IR05B047	
Sample Depth(feet):		17.75		20.75		1.25		3.25	
Sample Number:		9048H511		9048H512		9048H522		9048H523	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/29/90		11/29/90		11/30/90		11/30/90	
Lab Sample Number:		9012001-11A		9012001-12A		9012004-06A		9012004-07A	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Methylene chloride	ug/kg	63	J5/B	55	J5/B	ND(100)	U1J35	240	J5/E
Acetone	ug/kg	144	J5/B	ND(97)	U1/B	ND(10)	R1J3/U	ND(19)	U1J5/B
Carbon disulfide	ug/kg	26	J5	52	J5	ND(5)	R1J3/U	ND(6)	R1/U
Chloroform	ug/kg	ND(8)	R1/U	ND(8)	R1/U	8	R1J35	ND(6)	R1/U
Methyl ethyl ketone	ug/kg	ND(20)	U1J5	ND(24)	U1J5	ND(10)	R1J3/U	ND(11)	R1/U
Trichloroethene	ug/kg	ND(8)	R1/U	ND(8)	R1/U	ND(5)	R1J3/U	ND(6)	R1/U
Toluene	ug/kg	7	FJ5/J	7	FJ5/J	ND(5)	R1J3/U	ND(6)	R1/U
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	J5/U	ND(400)	J5/U
Acenaphthylene	ug/kg	ND(480)	R1J3/U	ND(500)	R1J3/U	ND(370)	R1J3/U	ND(400)	R1J3/U
n-Nitrosodiphenylamine	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	R1/U	ND(400)	R1/U
Phenanthrene	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	R1/U	ND(400)	R1/U
Anthracene	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	R1/U	ND(400)	R1/U
Fluoranthene	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	R1/U	ND(400)	R1/U
Pyrene	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	R1/U	ND(400)	R1/U
Butylbenzylphthalate	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	U1J5/J	ND(400)	R1/U
Benzo(a)anthracene	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	R1/U	ND(400)	R1/U
Chrysene	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	R1/U	ND(400)	R1/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(480)	U1/U	ND(500)	U1/U	ND(1700)	U1J5	ND(1200)	U1J5
Benzo(b)fluoranthene	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	R1/U	ND(400)	R1/U
Benzo(k)fluoranthene	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	R1/U	ND(400)	R1/U
Benzo(a)pyrene	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	R1/U	ND(400)	R1/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	R1/U	ND(400)	R1/U
Dibenzo(a,h)anthracene	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	R1/U	ND(400)	R1/U
Benzo(ghi)perylene	ug/kg	ND(480)	R1/U	ND(500)	R1/U	ND(370)	R1/U	ND(400)	R1/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	NA		NA		390	J5/J	ND(720)	J5/U
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		10980	J5	ND(22)	J5/U
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		8430	J3	3190	J3

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:	IR05B047		IR05B047		IR05B047		IR05B047	
Sample Depth(feet):	5.75		10.75		15.75		20.75	
Sample Number:	9048H524		9048H525		9048H526		9048H527	
Matrix:	SOIL		SOIL		SOIL		SOIL	
Sample Date:	11/30/90		11/30/90		11/30/90		11/30/90	
Lab Sample Number:	9012004-08A		9012004-09A		9012004-10A		9012004-11A	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(20)	U1J5	ND(58)	U1J5	210	J5	ND(31)	U1J5
Acetone	ug/kg	ND(14)	U1J5/B	ND(19)	U1J5/B	370	J5/BE	ND(240)	U1J5/B
Carbon disulfide	ug/kg	ND(5)	R1/U	ND(6)	R1/U	12	J5	14	J5
Chloroform	ug/kg	ND(5)	R1/U	ND(6)	R1/U	ND(8)	R1/U	ND(8)	R1/U
Methyl ethyl ketone	ug/kg	ND(11)	R1/U	ND(13)	R1/U	ND(16)	R1/U	ND(16)	R1/U
Trichloroethene	ug/kg	ND(5)	R1/U	ND(6)	R1/U	ND(8)	R1/U	ND(8)	R1/U
Toluene	ug/kg	4	FJ5/J	ND(6)	R1/U	4	FJ5/J	ND(8)	R1/U
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(380)	J5/U	ND(440)	J5/U	ND(520)	R1/U	ND(520)	R1/U
Acenaphthylene	ug/kg	ND(380)	R1J3/U	ND(440)	R1J3/U	ND(520)	R1J3/U	ND(520)	R1J3/U
n-Nitrosodiphenylamine	ug/kg	ND(380)	R1/U	ND(440)	R1/U	ND(520)	R1/U	ND(520)	R1/U
Phenanthrene	ug/kg	ND(380)	R1/U	ND(440)	R1/U	ND(520)	R1/U	ND(520)	R1/U
Anthracene	ug/kg	ND(380)	R1/U	ND(440)	R1/U	ND(520)	R1/U	ND(520)	R1/U
Fluoranthene	ug/kg	ND(380)	R1/U	ND(440)	R1/U	ND(520)	R1/U	ND(520)	R1/U
Pyrene	ug/kg	ND(380)	R1/U	ND(440)	R1/U	ND(520)	R1/U	ND(520)	R1/U
Butylbenzylphthalate	ug/kg	ND(380)	U1J5/J	ND(440)	R1/U	ND(520)	R1/U	ND(520)	R1/U
Benzo(a)anthracene	ug/kg	ND(380)	R1/U	ND(440)	R1/U	ND(520)	R1/U	ND(520)	R1/U
Chrysene	ug/kg	ND(380)	R1/U	ND(440)	R1/U	ND(520)	R1/U	ND(520)	R1/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(880)	U1J5	ND(1400)	U1J5	ND(1600)	U1J5	ND(520)	J5/U
Benzo(b)fluoranthene	ug/kg	ND(380)	R1/U	ND(440)	R1/U	ND(520)	R1/U	ND(520)	R1/U
Benzo(k)fluoranthene	ug/kg	ND(380)	R1/U	ND(440)	R1/U	ND(520)	R1/U	ND(520)	R1/U
Benzo(a)pyrene	ug/kg	ND(380)	R1/U	ND(440)	R1/U	ND(520)	R1/U	ND(520)	R1/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(380)	R1/U	ND(440)	R1/U	ND(520)	R1/U	ND(520)	R1/U
Dibenzo(a,h)anthracene	ug/kg	ND(380)	R1/U	ND(440)	R1/U	ND(520)	R1/U	ND(520)	R1/U
Benzo(ghi)perylene	ug/kg	ND(380)	R1/U	ND(440)	R1/U	ND(520)	R1/U	ND(520)	R1/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	ND(670)	J5/U	ND(810)	J5/U	NA		NA	
TPH DIESEL									
TPH-Diesel	mg/kg	ND(21)	J5/U	ND(25)	J5/U	NA		NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	ND(530)	J3/U	ND(630)	J3/U	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B051		IR05B051		IR05B051		IR05B051
Sample Depth(feet):		1.25		3.25		5.25		10.25
Sample Number:		9049G539		9049G540		9049G541		9049G542
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		12/03/90		12/03/90		12/03/90		12/03/90
Lab Sample Number:		9012025-01A		9012025-02A		9012025-03A		9012025-04A
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Methylene chloride	ug/kg	10	J5	3	J5/J	12	J5	14	J5
Acetone	ug/kg	ND(35)	U1R1	ND(11)	U1R1/U	ND(23)	U1R1	ND(55)	U1R1
Carbon disulfide	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(6)	R1/U	ND(5)	R1/U
Chloroform	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(6)	R1/U	ND(5)	R1/U
Methyl ethyl ketone	ug/kg	ND(44)	U1	ND(11)	R1/U	28	J5	35	J5
Trichloroethene	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(6)	R1/U	ND(5)	R1/U
Toluene	ug/kg	ND(5)	R1/U	21	FJ5	ND(6)	R1/U	1	FJ5/J
CLP-SOC									
2-Methylnaphthalene	ug/kg	4100	J5/DJ	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
Acenaphthylene	ug/kg	ND(7300)	J35/U	ND(400)	J35/U	ND(410)	J35/U	ND(420)	J35/U
n-Nitrosodiphenylamine	ug/kg	5200	J5/DJ	ND(400)	J5/U	180	J5/J	ND(420)	J5/U
Phenanthrene	ug/kg	3800	J5/DJ	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
Anthracene	ug/kg	ND(7300)	J5/U	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
Fluoranthene	ug/kg	ND(7300)	J5/U	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
Pyrene	ug/kg	ND(7300)	J5/U	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
Butylbenzylphthalate	ug/kg	ND(7300)	J5/U	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
Benzo(a)anthracene	ug/kg	ND(7300)	J5/U	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
Chrysene	ug/kg	ND(7300)	J5/U	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(7300)	J5/U	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
Benzo(b)fluoranthene	ug/kg	ND(7300)	J5/U	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
Benzo(k)fluoranthene	ug/kg	ND(7300)	J5/U	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
Benzo(a)pyrene	ug/kg	ND(7300)	J5/U	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(7300)	J5/U	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
Dibenzo(a,h)anthracene	ug/kg	ND(7300)	J5/U	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
Benzo(ghi)perylene	ug/kg	ND(7300)	J5/U	ND(400)	J5/U	ND(410)	J5/U	ND(420)	J5/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	70000	J5	380	J5/J	860	J5	ND(760)	J5/U
TPH DIESEL									
TPH-Diesel	mg/kg	168	J5	ND(22)	J5/U	ND(22)	J5/U	ND(23)	J5/U
OIL & GREASE									
Total Oil & Grease	mg/kg	9220	J5	ND(540)	J5/U	ND(570)	J5/U	ND(600)	J5/U

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B051		IR05B051		IR05B054		IR05B054	
Sample Depth(feet):		15.75		20.75		0.50		3.00	
Sample Number:		9049G545		9049G546		9047G504		9047G505	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		12/03/90		12/03/90		11/19/90		11/19/90	
Lab Sample Number:		9012025-05A		9012025-06A		9011145-01A		9011145-02A	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	15	J35/B	25	J5/B	ND(27)	U1/B	ND(15)	U1/B
Acetone	ug/kg	ND(89)	U1R1J3	ND(113)	U1R1	ND(11)	A/U	ND(11)	A/U
Carbon disulfide	ug/kg	ND(8)	R1J3/U	16	J5	ND(5)	A/U	ND(6)	A/U
Chloroform	ug/kg	ND(8)	R1J3/U	ND(8)	R1/U	ND(5)	A/U	ND(6)	A/U
Methyl ethyl ketone	ug/kg	ND(16)	R1J3/U	28	J5/B	ND(11)	A/U	ND(11)	A/U
Trichloroethene	ug/kg	ND(8)	R1J3/U	ND(8)	R1/U	ND(5)	A/U	ND(6)	A/U
Toluene	ug/kg	5	FJ35/J	10	J5	ND(15)	U1J3/B	ND(6)	J3/U
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(500)	J5/U	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
Acenaphthylene	ug/kg	ND(500)	J35/U	ND(530)	J35/U	ND(3600)	J5/U	ND(2000)	J5/U
n-Nitrosodiphenylamine	ug/kg	220	J5/J	290	J5/J	1500	J5/J	1200	J5/BJ
Phenanthrene	ug/kg	ND(500)	J5/U	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
Anthracene	ug/kg	ND(500)	J5/U	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
Fluoranthene	ug/kg	ND(500)	J5/U	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
Pyrene	ug/kg	ND(500)	J5/U	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
Butylbenzylphthalate	ug/kg	ND(500)	J5/U	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
Benzo(a)anthracene	ug/kg	ND(500)	J5/U	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
Chrysene	ug/kg	ND(500)	J5/U	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
Bis(2-ethylhexyl)phthalate	ug/kg	290	J5/J	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
Benzo(b)fluoranthene	ug/kg	ND(500)	J5/U	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
Benzo(k)fluoranthene	ug/kg	ND(500)	J5/U	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
Benzo(a)pyrene	ug/kg	ND(500)	J5/U	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(500)	J5/U	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
Dibenzo(a,h)anthracene	ug/kg	ND(500)	J5/U	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
Benzo(ghi)perylene	ug/kg	ND(500)	J5/U	ND(530)	J5/U	ND(3600)	J5/U	ND(2000)	J5/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	NA		NA		8000	J35	ND(2000)	J35/U
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		ND(22)	A/U	ND(22)	A/U
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		1510	J3	3190	J3

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:	IR05B054		IR05B054		IR05B054		IR05B054	
Sample Depth(feet):	5.50		10.00		15.50		20.50	
Sample Number:	9047G506		9047G507		9047G508		9047G509	
Matrix:	SOIL		SOIL		SOIL		SOIL	
Sample Date:	11/19/90		11/19/90		11/19/90		11/19/90	
Lab Sample Number:	9011145-03A		9011145-04A		9011145-05A		9011145-06A	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(23)	U1/B	ND(6)	A/U	ND(14)	U1/B	ND(12)	U1/B
Acetone	ug/kg	ND(11)	A/U	ND(12)	A/U	ND(17)	A/U	ND(280)	U1
Carbon disulfide	ug/kg	ND(5)	A/U	ND(6)	A/U	17	A	16	A
Chloroform	ug/kg	ND(5)	A/U	ND(6)	A/U	ND(8)	A/U	ND(8)	A/U
Methyl ethyl ketone	ug/kg	ND(11)	A/U	ND(12)	A/U	ND(17)	A/U	ND(16)	A/U
Trichloroethene	ug/kg	ND(5)	A/U	ND(6)	A/U	ND(8)	A/U	ND(8)	U1/BJ
Toluene	ug/kg	ND(10)	U1/B	ND(6)	A/U	ND(11)	U1/B	ND(8)	A/U
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	ND(1000)	J5/U
Acenaphthylene	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	ND(1000)	J5/U
n-Nitrosodiphenylamine	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	470	J5/J
Phenanthrene	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	ND(1000)	J5/U
Anthracene	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	ND(1000)	J5/U
Fluoranthene	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	450	J5/J
Pyrene	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	750	J5/J
Butylbenzylphthalate	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	ND(1000)	J5/U
Benzo(a)anthracene	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	ND(1000)	J5/U
Chrysene	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	ND(1000)	J5/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	ND(1000)	J5/U
Benzo(b)fluoranthene	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	420	J5/J
Benzo(k)fluoranthene	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	390	J5/J
Benzo(a)pyrene	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	500	J5/J
Indeno(1,2,3-cd)pyrene	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	360	J5/J
Dibenzo(a,h)anthracene	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	ND(1000)	J5/U
Benzo(ghi)perylene	ug/kg	ND(360)	J5/U	ND(2300)	J5/U	ND(540)	J5/U	590	J5/J
CLP-PEST/PCB									
Aroclor-1260	ug/kg	ND(2000)	J35/U	ND(2200)	J35/U	NA		NA	
TPH DIESEL									
TPH-Diesel	mg/kg	ND(22)	A/U	ND(24)	A/U	NA		NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	5230	J3	670	J3	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B057		IR05B057		IR05B057		IR05B057	
Sample Depth(feet):		0.50		3.00		5.50		10.25	
Sample Number:		9048H482		9048H483		9048H484		9048H485	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/28/90		11/28/90		11/28/90		11/28/90	
Lab Sample Number:		9011192-01A		9011192-02A		9011192-03A		9011192-04A	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Methylene chloride	ug/kg	79	J5	77	J5	ND(68)	U1	140	J5
Acetone	ug/kg	11	A	27	J5	24	J5	ND(13)	R1/U
Carbon disulfide	ug/kg	1	J5/J	ND(5)	R1/U	ND(6)	R1/U	ND(7)	R1/U
Chloroform	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(6)	R1/U	ND(7)	R1/U
Methyl ethyl ketone	ug/kg	ND(11)	U1R1/U	ND(10)	U1R1/U	ND(11)	U1R1/U	ND(13)	U1R1/U
Trichloroethene	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(6)	R1/U	ND(7)	R1/U
Toluene	ug/kg	ND(5)	U1R1/J	ND(6)	U1J5	ND(6)	U1J5/J	ND(10)	U1J5
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(400)	J5/U	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
Acenaphthylene	ug/kg	ND(400)	J35/U	ND(380)	J35/U	ND(400)	J35/U	ND(480)	J35/U
n-Nitrosodiphenylamine	ug/kg	200	J5/J	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
Phenanthrene	ug/kg	ND(400)	J5/U	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
Anthracene	ug/kg	ND(400)	J5/U	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
Fluoranthene	ug/kg	ND(400)	J5/U	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
Pyrene	ug/kg	ND(400)	J5/U	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
Butylbenzylphthalate	ug/kg	ND(400)	J5/U	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
Benzo(a)anthracene	ug/kg	ND(400)	J5/U	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
Chrysene	ug/kg	ND(400)	J5/U	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(400)	U1/J	ND(380)	U1/J	ND(400)	J5/U	ND(480)	U1/J
Benzo(b)fluoranthene	ug/kg	ND(400)	J5/U	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
Benzo(k)fluoranthene	ug/kg	ND(400)	J5/U	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
Benzo(a)pyrene	ug/kg	ND(400)	J5/U	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(400)	J5/U	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
Dibenzo(a,h)anthracene	ug/kg	ND(400)	J5/U	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
Benzo(ghi)perylene	ug/kg	ND(400)	J5/U	ND(380)	J5/U	ND(400)	J5/U	ND(480)	J5/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	ND(650)	J35/U	ND(520)	R2J35/U	ND(710)	J5/U	ND(820)	J5/U
TPH DIESEL									
TPH-Diesel	mg/kg	ND(22)	A/U	ND(20)	A/U	ND(23)	A/U	ND(24)	A/U
OIL & GREASE									
Total Oil & Grease	mg/kg	1580	A	NA		1300	A	1290	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B057		IR05B057		IR05B057		IR05B062	
Sample Depth(feet):		15.25		20.50		30.50		0.50	
Sample Number:		9048H486		9048H489		9048H490		9048H474	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/28/90		11/28/90		11/28/90		11/27/90	
Lab Sample Number:		9011192-05A		9011192-06A		9011192-07A		9011184-01A	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(6)	A/U	85	J5	160	J5	ND(97)	U1J5/B
Acetone	ug/kg	ND(12)	R1/U	20	J5	ND(14)	R1/U	ND(340)	U1J5/BE
Carbon disulfide	ug/kg	ND(6)	R1/U	ND(6)	R1/U	ND(7)	R1/U	ND(5)	R1/U
Chloroform	ug/kg	ND(6)	R1/U	ND(6)	R1/U	ND(7)	R1/U	ND(5)	R1/U
Methyl ethyl ketone	ug/kg	ND(12)	R1/U	ND(12)	U1R1/U	ND(14)	U1R1/U	ND(11)	R1/U
Trichloroethene	ug/kg	ND(6)	R1/U	ND(6)	R1/U	ND(7)	R1/U	ND(5)	R1/U
Toluene	ug/kg	9	FJ5	ND(6)	U1J5/J	13	FJ5	16	FJ5/B
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(3800)	J5/U	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
Acenaphthylene	ug/kg	ND(3800)	J35/U	ND(3800)	J35/U	ND(4500)	J35/U	ND(3900)	R1J3/U
n-Nitrosodiphenylamine	ug/kg	ND(3800)	J5/U	1600	J5/J	ND(4500)	J5/U	ND(3900)	R1/U
Phenanthrene	ug/kg	ND(3800)	J5/U	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
Anthracene	ug/kg	ND(3800)	J5/U	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
Fluoranthene	ug/kg	3600	J5/J	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
Pyrene	ug/kg	5200	J5/	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
Butylbenzylphthalate	ug/kg	ND(3800)	J5/U	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
Benzo(a)anthracene	ug/kg	ND(3800)	J5/U	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
Chrysene	ug/kg	ND(3800)	J5/U	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(3800)	J5/U	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
Benzo(b)fluoranthene	ug/kg	3100	J5/J	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
Benzo(k)fluoranthene	ug/kg	ND(3800)	J5/U	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
Benzo(a)pyrene	ug/kg	ND(3800)	J5/U	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(3800)	J5/U	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
Dibenzo(a,h)anthracene	ug/kg	ND(3800)	J5/U	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
Benzo(ghi)perylene	ug/kg	ND(3800)	J5/U	ND(3800)	J5/U	ND(4500)	J5/U	ND(3900)	R1/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	NA		NA		NA		3900	J3
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		NA		426	J5
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		NA		1230	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B062		IR05B062		IR05B062		IR05B062
Sample Depth(feet):		2.50		5.50		10.50		15.50
Sample Number:		9048H475		9048H476		9048H477		9048H478
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/27/90		11/27/90		11/27/90		11/27/90
Lab Sample Number:		9011184-02A		9011184-03A		9011184-04A		9011184-05A
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(33)	U1J5/B	ND(61)	U1J5/B	ND(140)	U1J5/B	ND(72)	U1J5/B
Acetone	ug/kg	ND(11)	U1R1/U	ND(270)	U1J5/BE	ND(170)	U1J5/B	ND(850)	U1J5/BE
Carbon disulfide	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(5)	R1/U	ND(8)	R1/U
Chloroform	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(5)	R1/U	ND(8)	R1/U
Methyl ethyl ketone	ug/kg	ND(11)	R1/U	ND(11)	R1/U	ND(11)	R1/U	89	J5
Trichloroethene	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(5)	R1/U	ND(8)	R1/U
Toluene	ug/kg	ND(5)	U1J5/BJ	14	FJ5/B	18	FJ5/B	12	FJ5/B
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
Acenaphthylene	ug/kg	ND(390)	R1J3/U	ND(390)	R1J3/U	ND(800)	R1J3/U	ND(500)	R1J3/U
n-Nitrosodiphenylamine	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
Phenanthrene	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
Anthracene	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
Fluoranthene	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
Pyrene	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
Butylbenzylphthalate	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
Benzo(a)anthracene	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
Chrysene	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	250	J5/J
Benzo(b)fluoranthene	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
Benzo(k)fluoranthene	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
Benzo(a)pyrene	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
Dibenzo(a,h)anthracene	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
Benzo(ghi)perylene	ug/kg	ND(390)	R1/U	ND(390)	R1/U	ND(800)	R1/U	ND(500)	R1/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	420	J	ND(680)	A/U	ND(620)	A/U	NA	
TPH DIESEL									
TPH-Diesel	mg/kg	ND(21)	J5/U	ND(21)	J5/U	363	J5	NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	2770	A	1490	A	750	A	NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B062		IR05B062		IR05B062		IR05B063
Sample Depth(feet):		20.50		25.50		30.50		0.50
Sample Number:		9048H479		9048H480		9048H481		9046G496
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/27/90		11/27/90		11/27/90		11/16/90
Lab Sample Number:		9011184-06A		9011184-07A		9011184-08A		9011116-01B
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(54)	U1J5/B	ND(13)	U1J5/B	ND(34)	U1J5/B	ND(16)	U1/B
Acetone	ug/kg	ND(230)	U1J5/BE	ND(210)	U1J5/B	ND(330)	U1J5/BE	ND(10)	U1/BJ
Carbon disulfide	ug/kg	ND(6)	R1/U	ND(8)	R1/U	ND(8)	R1/U	ND(5.2)	A/U
Chloroform	ug/kg	ND(6)	R1/U	ND(8)	R1/U	ND(8)	R1/U	ND(5.2)	A/U
Methyl ethyl ketone	ug/kg	ND(11)	R1/U	ND(16)	R1/U	61	J5	ND(10)	A/U
Trichloroethene	ug/kg	ND(6)	R1/U	ND(8)	R1/U	ND(8)	R1/U	ND(5.2)	A/U
Toluene	ug/kg	ND(6)	U1/U	ND(8)	U1/BJ	ND(8)	U1/BJ	250	FJ8/BE
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	ND(1400)	J5/U
Acenaphthylene	ug/kg	ND(370)	R1J3/U	ND(510)	R1J3/U	ND(510)	R1J3/U	ND(1400)	J5/U
n-Nitrosodiphenylamine	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	950	J5/BJ
Phenanthrene	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	ND(1400)	J5/U
Anthracene	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	ND(1400)	J5/U
Fluoranthene	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	ND(1400)	J5/U
Pyrene	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	ND(1400)	J5/U
Butylbenzylphthalate	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	ND(1400)	J5/U
Benzo(a)anthracene	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	ND(1400)	J5/U
Chrysene	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	ND(1400)	J5/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(370)	R1/U	ND(510)	R1/U	440	J5/J	ND(1400)	J5/U
Benzo(b)fluoranthene	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	ND(1400)	J5/U
Benzo(k)fluoranthene	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	ND(1400)	J5/U
Benzo(a)pyrene	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	ND(1400)	J5/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	ND(1400)	J5/U
Dibenzo(a,h)anthracene	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	ND(1400)	J5/U
Benzo(ghi)perylene	ug/kg	ND(370)	R1/U	ND(510)	R1/U	ND(510)	R1/U	ND(1400)	J5/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	NA		NA		NA		8400	J5
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		NA		ND(20)	A/U
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		NA		3330	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B063		IR05B063		IR05B063		IR05B063
Sample Depth(feet):		2.50		5.00		9.50		15.50
Sample Number:		9046G497		9046G498		9046G499		9046G501
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/16/90		11/16/90		11/16/90		11/16/90
Lab Sample Number:		9011116-02B		9011116-03B		9011116-04B		9011116-05C
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Methylene chloride	ug/kg	ND(21)	U1/B	ND(8)	U1/B	ND(35)	U1/B	ND(82)	U1/BJ
Acetone	ug/kg	ND(12)	U1/B	ND(11)	A/U	ND(13)	U1/B	4400	J8/E
Carbon disulfide	ug/kg	ND(6)	A/U	ND(6)	A/U	ND(5)	A/U	25	J
Chloroform	ug/kg	ND(6)	A/U	ND(6)	A/U	ND(5)	A/U	ND(82)	A/U
Methyl ethyl ketone	ug/kg	ND(11)	A/U	ND(11)	A/U	ND(10)	A/U	ND(160)	A/U
Trichloroethene	ug/kg	ND(6)	A/U	ND(6)	A/U	ND(5)	U1/J	ND(82)	A/U
Toluene	ug/kg	ND(6)	A/U	ND(6)	A/U	ND(5)	A/U	ND(82)	A/U
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(370)	A/U	ND(380)	A/U	NA		ND(1100)	A/U
Acenaphthylene	ug/kg	ND(370)	A/U	ND(380)	A/U	NA		ND(1100)	A/U
n-Nitrosodiphenylamine	ug/kg	200	BJ	160	BJ	NA		2300	B
Phenanthrene	ug/kg	ND(370)	A/U	ND(380)	A/U	NA		ND(1100)	A/U
Anthracene	ug/kg	ND(370)	A/U	ND(380)	A/U	NA		ND(1100)	A/U
Fluoranthene	ug/kg	ND(370)	A/U	ND(380)	A/U	NA		ND(1100)	A/U
Pyrene	ug/kg	ND(370)	A/U	ND(380)	A/U	NA		ND(1100)	A/U
Butylbenzylphthalate	ug/kg	ND(370)	A/U	ND(380)	U1/U	NA		ND(1100)	U1/U
Benzo(a)anthracene	ug/kg	ND(370)	A/U	ND(380)	A/U	NA		ND(1100)	A/U
Chrysene	ug/kg	ND(370)	A/U	ND(380)	A/U	NA		ND(1100)	A/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(370)	A/U	ND(380)	U1/J	NA		ND(1100)	U1/U
Benzo(b)fluoranthene	ug/kg	ND(370)	A/U	ND(380)	A/U	NA		ND(1100)	A/U
Benzo(k)fluoranthene	ug/kg	ND(370)	A/U	ND(380)	A/U	NA		ND(1100)	A/U
Benzo(a)pyrene	ug/kg	ND(370)	A/U	ND(380)	A/U	NA		ND(1100)	A/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(370)	A/U	ND(380)	A/U	NA		ND(1100)	A/U
Dibenzo(a,h)anthracene	ug/kg	ND(370)	A/U	ND(380)	A/U	NA		ND(1100)	A/U
Benzo(ghi)perylene	ug/kg	ND(370)	A/U	ND(380)	A/U	NA		ND(1100)	A/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	ND(1400)	J5/U	920	J5/J	NA		NA	
TPH DIESEL									
TPH-Diesel	mg/kg	ND(22)	A/U	ND(23)	A/U	ND(20)	A/U	NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	2970	A	ND(570)	A/U	ND(500)	A/U	NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:	IR05B063		IR05B066		IR05B066		IR05B066	
Sample Depth(feet):	20.50		1.00		3.00		5.50	
Sample Number:	9046G502		9048H463		9048H464		9048H465	
Matrix:	SOIL		SOIL		SOIL		SOIL	
Sample Date:	11/16/90		11/27/90		11/27/90		11/27/90	
Lab Sample Number:	9011116-06B		9011183-01A		9011183-02A		9011183-03A	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(15)	U1/B	ND(26)	U1J35	ND(24)	U1J35	ND(95)	U1J35
Acetone	ug/kg	ND(270)	U1	ND(85)	U1J35	ND(11)	U1R1/U	ND(11)	U1R1/U
Carbon disulfide	ug/kg	54	A	ND(6)	R1J3/U	ND(5)	R1/U	ND(6)	R1/U
Chloroform	ug/kg	ND(8)	A/U	ND(6)	R1J3/U	ND(5)	R1/U	ND(6)	R1/U
Methyl ethyl ketone	ug/kg	ND(17)	A/U	ND(11)	R1J3/U	ND(11)	R1/U	ND(11)	R1/U
Trichloroethene	ug/kg	ND(8)	A/U	ND(6)	R1J3/U	ND(5)	R1/U	ND(6)	R1/U
Toluene	ug/kg	ND(8)	A/U	6	R1J3	7	FJ5	34	FJ5
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(550)	A/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
Acenaphthylene	ug/kg	ND(550)	A/U	ND(410)	R1J3/U	ND(400)	R1J3/U	ND(400)	R1J3/U
n-Nitrosodiphenylamine	ug/kg	900	B	ND(410)	R1/U	170	J5/J	160	J5/J
Phenanthrene	ug/kg	ND(550)	A/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
Anthracene	ug/kg	ND(550)	A/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
Fluoranthene	ug/kg	ND(550)	A/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
Pyrene	ug/kg	ND(550)	A/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
Butylbenzylphthalate	ug/kg	ND(550)	U1/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
Benzo(a)anthracene	ug/kg	ND(550)	A/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
Chrysene	ug/kg	ND(550)	A/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(550)	U1/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
Benzo(b)fluoranthene	ug/kg	ND(550)	A/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
Benzo(k)fluoranthene	ug/kg	ND(550)	A/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
Benzo(a)pyrene	ug/kg	ND(550)	A/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(550)	A/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
Dibenzo(a,h)anthracene	ug/kg	ND(550)	A/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
Benzo(ghi)perylene	ug/kg	ND(550)	A/U	ND(410)	R1/U	ND(400)	R1/U	ND(400)	R1/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	NA		ND(720)	R2/U	ND(690)	A/U	ND(710)	A/U
TPH DIESEL									
TPH-Diesel	mg/kg	NA		ND(21)	J5/U	ND(20)	J5/U	ND(22)	J5/U
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		ND(500)	R1/U	1210	A	ND(500)	A/U

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:	IR05B066		IR05B066		IR05B066		IR05B066	
Sample Depth(feet):	10.50		15.50		20.50		30.50	
Sample Number:	9048H466		9048H467		9048H468		9048H472	
Matrix:	SOIL		SOIL		SOIL		SOIL	
Sample Date:	11/27/90		11/27/90		11/27/90		11/27/90	
Lab Sample Number:	9011183-04A		9011183-05A		9011183-06A		9011183-07A	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	470	J5/E	ND(56)	U1J5	ND(100)	U1J5	ND(19)	U1J5
Acetone	ug/kg	ND(250)	U1J5/E	ND(210)	U1J5	ND(12)	U1R1/U	ND(68)	U1J5
Carbon disulfide	ug/kg	21	J5	ND(6)	R1/U	ND(6)	R1/U	ND(7)	R1/U
Chloroform	ug/kg	ND(6)	R1/U	ND(6)	R1/U	ND(6)	R1/U	ND(7)	R1/U
Methyl ethyl ketone	ug/kg	ND(11)	R1/U	ND(12)	R1/U	ND(12)	R1/U	ND(13)	R1/U
Trichloroethene	ug/kg	ND(6)	R1/U	ND(6)	R1/U	ND(6)	R1/U	ND(7)	R1/U
Toluene	ug/kg	39	FJ5	ND(6)	R1/U	5	FJ5/J	ND(7)	R1/U
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Acenaphthylene	ug/kg	ND(410)	R1J3/U	ND(400)	R1J3/U	ND(380)	R1J3/U	ND(430)	R1J3/U
n-Nitrosodiphenylamine	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Phenanthrene	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Anthracene	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Fluoranthene	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Pyrene	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Butylbenzylphthalate	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Benzo(a)anthracene	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Chrysene	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Benzo(b)fluoranthene	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Benzo(k)fluoranthene	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Benzo(a)pyrene	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Dibenzo(a,h)anthracene	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
Benzo(ghi)perylene	ug/kg	ND(410)	R1/U	ND(400)	R1/U	ND(380)	R1/U	ND(430)	R1/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	ND(710)	A/U	NA		NA		NA	
TPH DIESEL									
TPH-Diesel	mg/kg	ND(22)	J5/U	NA		NA		NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	530	A	NA		NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B066		IR05B067		IR05B067		IR05B067
Sample Depth(feet):		40.50		2.75		5.75		10.75
Sample Number:		9048H473		9048H513		9048H514		9048H515
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/27/90		11/29/90		11/29/90		11/29/90
Lab Sample Number:		9011183-08A		9012002-01A		9012002-02A		9012002-03A
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(26)	U1J5	85	J5/B	39	J5/B	110	J5/B
Acetone	ug/kg	ND(190)	U1J5	ND(21)	U1/B	ND(230)	U1/B	ND(120)	U1/B
Carbon disulfide	ug/kg	13	J5	ND(5)	R1/U	ND(13)	R1/U	10	J5
Chloroform	ug/kg	ND(11)	R1/U	ND(5)	R1/U	ND(13)	R1/U	ND(8)	R1/U
Methyl ethyl ketone	ug/kg	ND(21)	R1/U	ND(11)	U1/U	ND(26)	U1J5/BJ	ND(17)	U1R1/U
Trichloroethene	ug/kg	ND(11)	R1/U	ND(5)	R1/U	ND(13)	R1/U	ND(8)	R1/U
Toluene	ug/kg	22	FJ5	8	FJ5	ND(13)	R1/U	8	R1/J
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(690)	R1/U	ND(370)	R1/U	ND(380)	R1/U	ND(550)	R1/U
Acenaphthylene	ug/kg	ND(690)	R1J3/U	ND(370)	R1J3/U	ND(380)	R1J3/U	ND(550)	R1J3/U
n-Nitrosodiphenylamine	ug/kg	ND(690)	R1/U	ND(370)	R1/U	ND(380)	R1/U	ND(550)	R1/U
Phenanthrene	ug/kg	ND(690)	R1/U	ND(370)	R1/U	ND(380)	R1/U	ND(550)	R1/U
Anthracene	ug/kg	ND(690)	R1/U	ND(370)	R1/U	ND(380)	R1/U	ND(550)	R1/U
Fluoranthene	ug/kg	ND(690)	R1/U	200	J5/J	ND(380)	R1/U	ND(550)	R1/U
Pyrene	ug/kg	ND(690)	R1/U	240	J5/J	ND(380)	R1/U	ND(550)	R1/U
Butylbenzylphthalate	ug/kg	ND(690)	R1/U	ND(370)	R1/U	ND(380)	R1/U	ND(550)	R1/U
Benzo(a)anthracene	ug/kg	ND(690)	R1/U	ND(370)	R1/U	ND(380)	R1/U	ND(550)	R1/U
Chrysene	ug/kg	ND(690)	R1/U	230	J5/J	ND(380)	R1/U	ND(550)	R1/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(690)	R1/U	ND(370)	U1/U	ND(620)	U1	ND(550)	U1/U
Benzo(b)fluoranthene	ug/kg	ND(690)	R1/U	200	J5/J	ND(380)	R1/U	ND(550)	R1/U
Benzo(k)fluoranthene	ug/kg	ND(690)	R1/U	140	J5/J	ND(380)	R1/U	ND(550)	R1/U
Benzo(a)pyrene	ug/kg	ND(690)	R1/U	130	J5/J	ND(380)	R1/U	ND(550)	R1/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(690)	R1/U	ND(370)	R1/U	ND(380)	R1/U	ND(550)	R1/U
Dibenzo(a,h)anthracene	ug/kg	ND(690)	R1/U	ND(370)	R1/U	ND(380)	R1/U	ND(550)	R1/U
Benzo(ghi)perylene	ug/kg	ND(690)	R1/U	ND(370)	R1/U	ND(380)	R1/U	ND(550)	R1/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	NA		ND(670)	A/U	ND(650)	A/U	ND(1000)	A/U
TPH DIESEL									
TPH-Diesel	mg/kg	NA		ND(22)	J5/U	ND(21)	J5/U	ND(33)	J5/U
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		ND(530)	J5/U	ND(520)	J5/U	ND(760)	J5/U

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B067		IR05B070		IR05B070		IR05B070
Sample Depth(feet):		15.75		0.50		2.50		5.00
Sample Number:		9048H516		9047G515		9047G516		9047G517
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/29/90		11/19/90		11/19/90		11/19/90
Lab Sample Number:		9012002-04A		9011145-12A		9011145-13A		9011145-14A
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	55	J5/B	ND(20)	U1/B	ND(61)	U1J3/B	ND(21)	U1/B
Acetone	ug/kg	ND(120)	U1/B	ND(110)	U1	ND(11)	J3/U	ND(11)	A/U
Carbon disulfide	ug/kg	14	J5	ND(5)	A/U	ND(6)	J3/U	ND(5)	A/U
Chloroform	ug/kg	ND(9)	R1/U	ND(5)	A/U	ND(6)	J3/U	ND(5)	A/U
Methyl ethyl ketone	ug/kg	ND(17)	U1J5/BJ	ND(11)	A/U	ND(11)	J3/U	ND(11)	A/U
Trichloroethene	ug/kg	ND(9)	R1/U	ND(5)	A/U	ND(6)	J3/U	ND(5)	A/U
Toluene	ug/kg	55	FJ5	ND(5)	A/U	ND(6)	J3/U	ND(5)	A/U
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(560)	R1/U	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
Acenaphthylene	ug/kg	ND(560)	R1J3/U	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
n-Nitrosodiphenylamine	ug/kg	ND(560)	R1/U	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
Phenanthrene	ug/kg	ND(560)	R1/U	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
Anthracene	ug/kg	ND(560)	R1/U	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
Fluoranthene	ug/kg	220	J5/J	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
Pyrene	ug/kg	370	J5/J	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
Butylbenzylphthalate	ug/kg	ND(560)	R1/U	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
Benzo(a)anthracene	ug/kg	ND(560)	R1/U	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
Chrysene	ug/kg	ND(560)	R1/U	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(560)	U1/U	ND(3600)	J5/U	190	J5/BJ	ND(430)	U1J5/B
Benzo(b)fluoranthene	ug/kg	240	J5/J	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
Benzo(k)fluoranthene	ug/kg	ND(560)	R1/U	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
Benzo(a)pyrene	ug/kg	270	J5/J	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(560)	R1/U	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
Dibenzo(a,h)anthracene	ug/kg	ND(560)	R1/U	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
Benzo(ghi)perylene	ug/kg	ND(560)	R1/U	ND(3600)	J5/U	ND(360)	J5/U	ND(360)	J5/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	NA		ND(2000)	J35/U	ND(2100)	J35/U	ND(2000)	J35/U
TPH DIESEL									
TPH-Diesel	mg/kg	NA		ND(21)	A/U	ND(22)	A/U	ND(22)	A/U
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		1440	J3	ND(550)	J3/U	1980	J3

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B070		IR05B070		IR05B070		IR05B070
Sample Depth(feet):		9.75		20.50		30.50		40.50
Sample Number:		9047G518		9047G522		9047G523		9047G524
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/19/90		11/19/90		11/19/90		11/19/90
Lab Sample Number:		9011145-15A		9011145-16A		9011145-17A		9011145-18A
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Methylene chloride	ug/kg	ND(20)	U1/B	ND(115)	U1/B	ND(8)	U1/B	ND(59)	U1/B
Acetone	ug/kg	ND(120)	U1	ND(170)	U1	ND(13)	A/U	ND(12)	A/U
Carbon disulfide	ug/kg	ND(6)	A/U	ND(6)	A/U	3	J	ND(6)	A/U
Chloroform	ug/kg	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U
Methyl ethyl ketone	ug/kg	ND(12)	A/U	ND(12)	A/U	ND(13)	A/U	ND(12)	A/U
Trichloroethene	ug/kg	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U
Toluene	ug/kg	ND(6)	A/U	ND(66)	U1/B	ND(16)	U1/B	ND(6)	A/U
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(400)	R1J3/U	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
Acenaphthylene	ug/kg	ND(400)	R1J3/U	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
n-Nitrosodiphenylamine	ug/kg	ND(400)	R1J3/U	350	J5/J	ND(840)	J5/U	ND(370)	J5/U
Phenanthrene	ug/kg	ND(400)	R1J3/U	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
Anthracene	ug/kg	ND(400)	R1J3/U	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
Fluoranthene	ug/kg	ND(400)	R1J3/U	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
Pyrene	ug/kg	ND(400)	R1J3/U	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
Butylbenzylphthalate	ug/kg	420	J35/B	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
Benzo(a)anthracene	ug/kg	ND(400)	R1J3/U	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
Chrysene	ug/kg	ND(400)	R1J3/U	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(450)	U1J35/B	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
Benzo(b)fluoranthene	ug/kg	ND(400)	R1J3/U	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
Benzo(k)fluoranthene	ug/kg	ND(400)	R1J3/U	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
Benzo(a)pyrene	ug/kg	ND(400)	R1J3/U	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(400)	R1J3/U	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
Dibenzo(a,h)anthracene	ug/kg	ND(400)	R1J3/U	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
Benzo(ghi)perylene	ug/kg	ND(400)	R1J3/U	ND(810)	R1/U	ND(840)	J5/U	ND(370)	J5/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	ND(2200)	J35/U	NA		NA		NA	
TPH DIESEL									
TPH-Diesel	mg/kg	ND(24)	A/U	NA		NA		NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	ND(600)	J3/U	NA		NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B070		IR05B075		IR05B075		IR05B075	
Sample Depth(feet):		50.50		1.25		3.25		5.75	
Sample Number:		9047G525		9048H517		9048H518		9048H519	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/20/90		11/30/90		11/30/90		11/30/90	
Lab Sample Number:		69135		9012004-01A		9012004-02A		9012004-03A	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(6.9)	A	ND(120)	U1J5	190	J5	ND(130)	U1J5
Acetone	ug/kg	ND(26)	U1	ND(11)	U1J5/BJ	ND(9)	U1J5/BJ	ND(11)	U1J5/BJ
Carbon disulfide	ug/kg	ND(6.9)	A	ND(5)	R1/U	ND(6)	R1/U	4	R1/J
Chloroform	ug/kg	ND(6.9)	A	ND(5)	R1/U	ND(6)	R1/U	ND(6)	R1/U
Methyl ethyl ketone	ug/kg	ND(14)	A	ND(11)	U1J5/J	ND(12)	R1/U	ND(11)	R1/U
Trichloroethene	ug/kg	ND(6.9)	A	ND(5)	R1/U	ND(6)	R1/U	ND(6)	R1/U
Toluene	ug/kg	32	F	18	FJ5	7	FJ5	ND(6)	R1/U
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(460)	A	ND(3900)	R1/U	ND(430)	J5/U	ND(410)	J5/U
Acenaphthylene	ug/kg	ND(460)	A	ND(3900)	R1J3/U	ND(430)	R1J3/U	ND(410)	R1J3/U
n-Nitrosodiphenylamine	ug/kg	ND(460)	A	1800	J5/DJ	ND(430)	R1/U	ND(410)	R1/U
Phenanthrene	ug/kg	ND(460)	A	ND(3900)	R1/U	ND(430)	R1/U	ND(410)	R1/U
Anthracene	ug/kg	ND(460)	A	ND(3900)	R1/U	ND(430)	R1/U	ND(410)	R1/U
Fluoranthene	ug/kg	ND(460)	A	ND(3900)	R1/U	ND(430)	R1/U	ND(410)	R1/U
Pyrene	ug/kg	ND(460)	A	ND(3900)	R1/U	ND(430)	R1/U	ND(410)	R1/U
Butylbenzylphthalate	ug/kg	ND(460)	A	ND(3900)	R1/U	ND(430)	R1/U	ND(410)	U1J5/J
Benzo(a)anthracene	ug/kg	ND(460)	A	ND(3900)	R1/U	ND(430)	R1/U	ND(410)	R1/U
Chrysene	ug/kg	ND(460)	A	ND(3900)	R1/U	ND(430)	R1/U	ND(410)	R1/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(460)	A	ND(3900)	U1J5/DJ	ND(430)	U1J5/J	ND(540)	U1J5
Benzo(b)fluoranthene	ug/kg	ND(460)	A	ND(3900)	R1/U	ND(430)	R1/U	ND(410)	R1/U
Benzo(k)fluoranthene	ug/kg	ND(460)	A	ND(3900)	R1/U	ND(430)	R1/U	ND(410)	R1/U
Benzo(a)pyrene	ug/kg	ND(460)	A	ND(3900)	R1/U	ND(430)	R1/U	ND(410)	R1/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(460)	A	ND(3900)	R1/U	ND(430)	R1/U	ND(410)	R1/U
Dibenzo(a,h)anthracene	ug/kg	ND(460)	A	ND(3900)	R1/U	ND(430)	R1/U	ND(410)	R1/U
Benzo(ghi)perylene	ug/kg	ND(460)	A	ND(3900)	R1/U	ND(430)	R1/U	ND(410)	R1/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	NA		230	J	ND(720)	A/U	ND(730)	A/U
TPH DIESEL									
TPH-Diesel	mg/kg	NA		ND(21)	J5/U	ND(23)	J5/U	ND(23)	J5/U
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		1520	J3	ND(560)	J3/U	ND(560)	J3/U

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B075		IR05B075		IR05B079		IR05B079	
Sample Depth(feet):		10.75		15.75		1.00		2.50	
Sample Number:		9048H520		9048H521		9047G510		9047G511	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/30/90		11/30/90		11/19/90		11/19/90	
Lab Sample Number:		9012004-04A		9012004-05A		9011145-07A		9011145-08A	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(170)	U1J5	ND(26)	U1J5	ND(8)	U1/B	ND(13)	U1/B
Acetone	ug/kg	ND(31)	U1J5/B	ND(100)	U1J5/B	ND(75)	U1	ND(11)	A/U
Carbon disulfide	ug/kg	34	J5	ND(10)	R1/U	ND(5)	A/U	ND(5)	A/U
Chloroform	ug/kg	ND(8)	R1/U	ND(10)	R1/U	ND(5)	A/U	ND(5)	A/U
Methyl ethyl ketone	ug/kg	ND(16)	R1/U	ND(21)	R1/U	ND(11)	A/U	ND(11)	A/U
Trichloroethene	ug/kg	ND(8)	R1/U	ND(10)	R1/U	ND(5)	A/U	ND(5)	A/U
Toluene	ug/kg	13	FJ5	ND(10)	R1/U	ND(9)	U1/B	ND(43)	U1/B
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(550)	J5/U	ND(560)	R1/U	ND(2100)	J5/U	ND(2100)	J5/U
Acenaphthylene	ug/kg	ND(550)	R1J3/U	ND(560)	R1J3/U	ND(2100)	J5/U	ND(2100)	J5/U
n-Nitrosodiphenylamine	ug/kg	ND(550)	R1/U	230	J5/J	ND(2100)	J5/U	ND(2100)	J5/U
Phenanthrene	ug/kg	ND(550)	R1/U	ND(560)	R1/U	ND(2100)	J5/U	ND(2100)	J5/U
Anthracene	ug/kg	ND(550)	R1/U	ND(560)	R1/U	ND(2100)	J5/U	ND(2100)	J5/U
Fluoranthene	ug/kg	ND(550)	R1/U	ND(560)	R1/U	ND(2100)	J5/U	ND(2100)	J5/U
Pyrene	ug/kg	ND(550)	R1/U	ND(560)	R1/U	ND(2100)	J5/U	ND(2100)	J5/U
Butylbenzylphthalate	ug/kg	ND(550)	U1J5/J	ND(560)	U1R1/J	ND(2100)	J5/U	ND(2100)	J5/U
Benzo(a)anthracene	ug/kg	ND(550)	R1/U	ND(560)	R1/U	ND(2100)	J5/U	ND(2100)	J5/U
Chrysene	ug/kg	ND(550)	R1/U	ND(560)	R1/U	ND(2100)	J5/U	ND(2100)	J5/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(1300)	U1J5	ND(870)	U1J5	ND(2100)	J5/U	ND(2100)	J5/U
Benzo(b)fluoranthene	ug/kg	ND(550)	R1/U	ND(560)	R1/U	ND(2100)	J5/U	ND(2100)	J5/U
Benzo(k)fluoranthene	ug/kg	ND(550)	R1/U	ND(560)	R1/U	ND(2100)	J5/U	ND(2100)	J5/U
Benzo(a)pyrene	ug/kg	ND(550)	R1/U	ND(560)	R1/U	ND(2100)	J5/U	ND(2100)	J5/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(550)	R1/U	ND(560)	R1/U	ND(2100)	J5/U	ND(2100)	J5/U
Dibenzo(a,h)anthracene	ug/kg	ND(550)	R1/U	ND(560)	R1/U	ND(2100)	J5/U	ND(2100)	J5/U
Benzo(ghi)perylene	ug/kg	ND(550)	R1/U	ND(560)	R1/U	ND(2100)	J5/U	ND(2100)	J5/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	ND(1000)	A/U	NA		ND(2000)	J35/U	ND(2000)	J35/U
TPH DIESEL									
TPH-Diesel	mg/kg	ND(32)	J5/U	NA		ND(43)	A/U	ND(21)	A/U
OIL & GREASE									
Total Oil & Grease	mg/kg	ND(810)	J3/U	NA		2510	J3	3660	J3

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B079		IR05B079		IR05B079		IR05B081	
Sample Depth(feet):		5.00		10.50		15.50		0.50	
Sample Number:		9047G512		9047G513		9047G514		9047G530	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/19/90		11/19/90		11/19/90		11/21/90	
Lab Sample Number:		9011145-09A		9011145-10A		9011145-11A		9011159-05A	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Methylene chloride	ug/kg	ND(10)	U1/B	ND(18)	U1/B	ND(13)	U1/B	ND(49)	U1J5/B
Acetone	ug/kg	ND(12)	A/U	ND(17)	A/U	ND(15)	A/U	ND(10)	R1/U
Carbon disulfide	ug/kg	ND(6)	A/U	18	A	35	A	ND(5)	R1/U
Chloroform	ug/kg	ND(6)	A/U	ND(8)	A/U	ND(8)	A/U	ND(5)	R1/U
Methyl ethyl ketone	ug/kg	ND(12)	A/U	ND(17)	A/U	ND(15)	A/U	ND(10)	R1/U
Trichloroethene	ug/kg	ND(6)	A/U	ND(8)	A/U	7	BJ	ND(5)	R1/U
Toluene	ug/kg	ND(20)	U1/B	ND(110)	U1/B	ND(61)	U1/B	ND(5)	R1/U
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	ND(340)	J5/U
Acenaphthylene	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	170	J5/J
n-Nitrosodiphenylamine	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	170	J5/J
Phenanthrene	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	400	J5
Anthracene	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	700	J5
Fluoranthene	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	1200	J5
Pyrene	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	2000	J5
Butylbenzylphthalate	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	ND(340)	J5/U
Benzo(a)anthracene	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	820	J5
Chrysene	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	1900	J5
Bis(2-ethylhexyl)phthalate	ug/kg	ND(2300)	U1J5/J	ND(3200)	J5/U	ND(580)	U1J5/B	ND(1100)	U1J5/J
Benzo(b)fluoranthene	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	1200	J5
Benzo(k)fluoranthene	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	1150	J5
Benzo(a)pyrene	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	720	J5
Indeno(1,2,3-cd)pyrene	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	490	J5
Dibenzo(a,h)anthracene	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	410	J5
Benzo(ghi)perylene	ug/kg	ND(2300)	J5/U	ND(3200)	J5/U	ND(510)	J5/U	490	J5
CLP-PEST/PCB									
Aroclor-1260	ug/kg	ND(2200)	J35/U	ND(2000)	J5/U	NA		ND(1300)	R1J3/U
TPH DIESEL									
TPH-Diesel	mg/kg	ND(23)	A/U	ND(22)	A/U	NA		ND(21)	A/U
OIL & GREASE									
Total Oil & Grease	mg/kg	ND(590)	J3/U	1330	J3	NA		970	J3

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:	IR05B081		IR05B081		IR05B081		IR05B081	
Sample Depth(feet):	2.50		5.00		10.00		15.50	
Sample Number:	9047G531		9047G532		9047G533		9047G534	
Matrix:	SOIL		SOIL		SOIL		SOIL	
Sample Date:	11/21/90		11/21/90		11/21/90		11/21/90	
Lab Sample Number:	9011159-06A		9011159-07A		9011159-08A		9011159-09A	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(130)	U1J5/B	ND(5)	U1J5/BJ	ND(110)	U1J35/B	ND(16)	U1J5/B
Acetone	ug/kg	ND(10)	R1/U	ND(10)	R1/U	ND(12)	R1J3/U	ND(12)	R1/U
Carbon disulfide	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(6)	R1J3/U	ND(6)	R1/U
Chloroform	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(6)	R1J3/U	ND(6)	R1/U
Methyl ethyl ketone	ug/kg	ND(10)	R1/U	ND(10)	R1/U	ND(12)	R1J3/U	ND(12)	R1/U
Trichloroethene	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(6)	R1J3/U	ND(6)	R1/U
Toluene	ug/kg	3	FJ5/J	21	FJ5	ND(6)	R1J3/U	ND(6)	R1/U
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(330)	J5/U	ND(350)	J5/U	ND(520)	J5/U	ND(390)	J5/U
Acenaphthylene	ug/kg	ND(330)	J5/U	ND(350)	J5/U	ND(520)	J5/U	ND(390)	J5/U
n-Nitrosodiphenylamine	ug/kg	220	J5/J	180	J5/J	ND(520)	J5/U	ND(390)	J5/U
Phenanthrene	ug/kg	ND(330)	J5/U	ND(350)	J5/U	ND(520)	J5/U	ND(390)	J5/U
Anthracene	ug/kg	ND(330)	J5/U	ND(350)	J5/U	ND(520)	J5/U	ND(390)	J5/U
Fluoranthene	ug/kg	ND(330)	J5/U	ND(350)	J5/U	ND(520)	J5/U	ND(390)	J5/U
Pyrene	ug/kg	ND(330)	J5/U	ND(350)	J5/U	ND(520)	J5/U	ND(390)	J5/U
Butylbenzylphthalate	ug/kg	ND(330)	J5/U	ND(350)	J5/U	ND(520)	J5/U	ND(390)	J5/U
Benzo(a)anthracene	ug/kg	ND(330)	J5/U	190	J5/J	ND(520)	J5/U	ND(390)	J5/U
Chrysene	ug/kg	ND(330)	J5/U	160	J5/J	ND(520)	J5/U	ND(390)	J5/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(600)	U1J5/J	ND(730)	U1J5/J	ND(520)	J5/U	ND(390)	J5/U
Benzo(b)fluoranthene	ug/kg	ND(330)	J5/U	ND(350)	J5/U	ND(520)	J5/U	ND(390)	J5/U
Benzo(k)fluoranthene	ug/kg	ND(330)	J5/U	ND(350)	J5/U	ND(520)	J5/U	ND(390)	J5/U
Benzo(a)pyrene	ug/kg	ND(330)	J5/U	ND(350)	J5/U	ND(520)	J5/U	ND(390)	J5/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(330)	J5/U	ND(350)	J5/U	ND(520)	J5/U	ND(390)	J5/U
Dibenzo(a,h)anthracene	ug/kg	ND(330)	J5/U	ND(350)	J5/U	ND(520)	J5/U	ND(390)	J5/U
Benzo(ghi)perylene	ug/kg	ND(330)	J5/U	ND(350)	J5/U	ND(520)	J5/U	ND(390)	J5/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	ND(160)	J5/U	ND(1400)	R1J3/U	ND(1400)	R1J3/U	NA	
TPH DIESEL									
TPH-Diesel	mg/kg	ND(20)	A/U	ND(21)	A/U	ND(23)	A/U	NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	1720	J3	NA		2210	J3	NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B081		IR05B081		IR05MW73A		IR05MW73A
Sample Depth(feet):		20.50		25.50		0.75		2.75
Sample Number:		9047G535		9047G536		9048H499		9048H500
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/21/90		11/21/90		11/29/90		11/29/90
Lab Sample Number:		9011159-10A		9011159-11A		9012001-01A		9012001-02A
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(42)	U1J5/B	ND(67)	U1J5	56	J5	ND(18)	U1J5
Acetone	ug/kg	ND(14)	R1/U	ND(15)	R1/U	ND(30)	U1/B	ND(11)	U1/BJ
Carbon disulfide	ug/kg	36	J5	62	J5	ND(6)	R1/U	ND(5)	R1/U
Chloroform	ug/kg	ND(7)	R1/U	ND(7)	R1/U	3	J5/J	ND(5)	R1/U
Methyl ethyl ketone	ug/kg	ND(14)	R1/U	ND(15)	R1/U	ND(11)	U1/J	ND(11)	U1/U
Trichloroethene	ug/kg	ND(7)	R1/U	ND(7)	R1/U	ND(6)	R1/U	ND(5)	R1/U
Toluene	ug/kg	23	FJ5	9	FJ5	10	FJ5	ND(5)	R1/U
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	ND(770)	R1/U
Acenaphthylene	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1J3/U	ND(770)	R1J3/U
n-Nitrosodiphenylamine	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	ND(770)	R1/U
Phenanthrene	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	ND(770)	R1/U
Anthracene	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	ND(770)	R1/U
Fluoranthene	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	420	J5/J
Pyrene	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	560	J5/J
Butylbenzylphthalate	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	ND(770)	R1/U
Benzo(a)anthracene	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	350	J5/J
Chrysene	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	550	J5/J
Bis(2-ethylhexyl)phthalate	ug/kg	ND(520)	J5/U	ND(460)	U1J5/J	ND(400)	U1/U	ND(770)	U1/U
Benzo(b)fluoranthene	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	390	J5/J
Benzo(k)fluoranthene	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	320	J5/J
Benzo(a)pyrene	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	ND(770)	R1/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	ND(770)	R1/U
Dibenzo(a,h)anthracene	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	ND(770)	R1/U
Benzo(ghi)perylene	ug/kg	ND(520)	J5/U	ND(460)	J5/U	ND(400)	R1/U	ND(770)	R1/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	NA		NA		ND(710)	J5/U	ND(690)	J5/U
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		ND(22)	A/U	ND(22)	A/U
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		1020	A	ND(540)	A/U

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05MW73A		IR05MW73A		IR05MW73A		IR05MW73A	
Sample Depth(feet):		5.75		10.75		15.75		20.75	
Sample Number:		9048H501		9048H502		9048H503		9048H504	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/29/90		11/29/90		11/29/90		11/29/90	
Lab Sample Number:		9012001-03A		9012001-04A		9012001-05A		9012001-06A	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(14)	U1J5	72	J5	ND(34)	U1J5	53	J5
Acetone	ug/kg	ND(17)	U1/B	ND(13)	U1/BJ	145	J5/B	160	J5/B
Carbon disulfide	ug/kg	ND(5)	R1/U	ND(6)	R1/U	13	J5	5	J5/J
Chloroform	ug/kg	ND(5)	R1/U	ND(6)	R1/U	ND(7)	R1/U	ND(7)	R1/U
Methyl ethyl ketone	ug/kg	ND(11)	U1/U	ND(13)	U1/U	ND(14)	U1R1/J	ND(14)	U1R1/U
Trichloroethene	ug/kg	ND(5)	R1/U	ND(6)	R1/U	ND(7)	R1/U	ND(7)	R1/U
Toluene	ug/kg	ND(5)	R1/U	ND(6)	R1/U	ND(7)	R1/U	4	FJ5/J
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
Acenaphthylene	ug/kg	ND(360)	R1J3/U	ND(410)	R1J3/U	ND(460)	R1J3/U	ND(530)	R1J3/U
n-Nitrosodiphenylamine	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
Phenanthrene	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
Anthracene	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
Fluoranthene	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
Pyrene	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
Butylbenzylphthalate	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
Benzo(a)anthracene	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
Chrysene	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(360)	U1/U	ND(410)	U1/J	ND(460)	R1/U	ND(530)	U1/U
Benzo(b)fluoranthene	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
Benzo(k)fluoranthene	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
Benzo(a)pyrene	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
Dibenzo(a,h)anthracene	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
Benzo(ghi)perylene	ug/kg	ND(360)	R1/U	ND(410)	R1/U	ND(460)	R1/U	ND(530)	R1/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	ND(620)	J5/U	ND(710)	J5/U	NA		NA	
TPH DIESEL									
TPH-Diesel	mg/kg	ND(20)	A/U	ND(22)	A/U	NA		NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	ND(510)	A/U	1640	A	NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05MW74A		IR05MW74A		IR05MW74A		IR05MW74A	
Sample Depth(feet):		1.00		3.00		5.25		10.25	
Sample Number:		9048H491		9048H492		9048H493		9048H494	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/28/90		11/28/90		11/28/90		11/28/90	
Lab Sample Number:		9011192-08A		9011192-09A		9011192-10A		9011192-11A	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	ND(46)	U1	250	E	78	J5	540	J5/BE
Acetone	ug/kg	ND(11)	R1/U	ND(11)	R1/U	ND(12)	R1/U	175	J5
Carbon disulfide	ug/kg	ND(6)	R1/U	ND(5)	R1/U	ND(6)	R1/U	ND(6)	R1/U
Chloroform	ug/kg	ND(6)	R1/U	ND(5)	R1/U	ND(6)	R1/U	ND(6)	R1/U
Methyl ethyl ketone	ug/kg	ND(11)	U1R1/U	ND(11)	U1R1/U	ND(12)	U1R1/U	ND(12)	U1R1/U
Trichloroethene	ug/kg	ND(6)	R1/U	ND(5)	R1/U	ND(6)	R1/U	ND(6)	R1/U
Toluene	ug/kg	ND(7)	J5R1	16	FJ5	ND(6)	U1J5/J	110	FJ5/B
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(400)	J5/U	ND(390)	J5/U	ND(420)	J5/U	ND(420)	J5/U
Acenaphthylene	ug/kg	ND(400)	J35/U	ND(390)	J35/U	ND(420)	J35/U	ND(420)	J35/U
n-Nitrosodiphenylamine	ug/kg	ND(400)	J5/U	210	J5/J	ND(420)	J5/U	ND(420)	J5/U
Phenanthrene	ug/kg	ND(400)	J5/U	ND(390)	J5/U	ND(420)	J5/U	ND(420)	J5/U
Anthracene	ug/kg	ND(400)	J5/U	ND(390)	J5/U	ND(420)	J5/U	ND(420)	J5/U
Fluoranthene	ug/kg	ND(400)	J5/U	ND(390)	J5/U	ND(420)	J5/U	ND(420)	J5/U
Pyrene	ug/kg	ND(400)	J5/U	ND(390)	J5/U	ND(420)	J5/U	ND(420)	J5/U
Butylbenzylphthalate	ug/kg	ND(400)	J5/U	ND(390)	J5/U	ND(420)	J5/U	ND(420)	J5/U
Benzo(a)anthracene	ug/kg	ND(400)	J5/U	ND(390)	J5/U	ND(420)	J5/U	ND(420)	J5/U
Chrysene	ug/kg	ND(400)	J5/U	440	J5	ND(420)	J5/U	ND(420)	J5/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(400)	U1/J	ND(390)	J5/U	ND(420)	U1/J	ND(420)	J5/U
Benzo(b)fluoranthene	ug/kg	ND(400)	J5/U	ND(390)	J5/U	ND(420)	J5/U	ND(420)	J5/U
Benzo(k)fluoranthene	ug/kg	ND(400)	J5/U	ND(390)	J5/U	ND(420)	J5/U	ND(420)	J5/U
Benzo(a)pyrene	ug/kg	ND(400)	J5/U	ND(390)	J5/U	ND(420)	J5/U	ND(420)	J5/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(400)	J5/U	ND(390)	J5/U	ND(420)	J5/U	ND(420)	J5/U
Dibenzo(a,h)anthracene	ug/kg	ND(400)	J5/U	ND(390)	J5/U	ND(420)	J5/U	ND(420)	J5/U
Benzo(ghi)perylene	ug/kg	ND(400)	J5/U	ND(390)	J5/U	ND(420)	J5/U	ND(420)	J5/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	ND(650)	J35/U	ND(700)	J5/U	ND(720)	J5/U	ND(700)	J5/U
TPH DIESEL									
TPH-Diesel	mg/kg	ND(22)	A/U	ND(21)	A/U	ND(22)	A/U	ND(42)	A/U
OIL & GREASE									
Total Oil & Grease	mg/kg	1160	A	ND(520)	A/U	ND(550)	A/U	1440	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05MW74A		IR05MW74A		IR05MW74A		IR05MW74A
Sample Depth(feet):		15.75		20.50		25.50		30.50
Sample Number:		9048H495		9048H496		9048H497		9048H498
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/28/90		11/28/90		11/28/90		11/28/90
Lab Sample Number:		9011192-12A		9011192-13A		9011192-14A		9011192-15A
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Methylene chloride	ug/kg	90	J5/B	320	J5/BE	340	J5/BE	91	J5/B
Acetone	ug/kg	ND(11)	R1/U	160	J5	200	J5	48	J5
Carbon disulfide	ug/kg	ND(6)	R1/U	ND(6)	R1/U	49	J5	ND(8)	R1/U
Chloroform	ug/kg	ND(6)	R1/U	ND(6)	R1/U	ND(8)	R1/U	ND(8)	R1/U
Methyl ethyl ketone	ug/kg	ND(11)	U1R1/U	ND(12)	U1R1/U	ND(16)	U1R1/U	ND(16)	U1R1/U
Trichloroethene	ug/kg	ND(6)	R1/U	ND(6)	R1/U	ND(8)	R1/U	ND(8)	R1/U
Toluene	ug/kg	24	FJ5/B	23	FJ5/B	100	FJ5/B	40	FJ5/B
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Acenaphthylene	ug/kg	ND(3700)	J35/U	ND(4000)	J35/U	ND(5200)	J35/U	ND(5100)	J35/U
n-Nitrosodiphenylamine	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Phenanthrene	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Anthracene	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Fluoranthene	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Pyrene	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Butylbenzylphthalate	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Benzo(a)anthracene	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Chrysene	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Benzo(b)fluoranthene	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Benzo(k)fluoranthene	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Benzo(a)pyrene	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Dibenzo(a,h)anthracene	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
Benzo(ghi)perylene	ug/kg	ND(3700)	J5/U	ND(4000)	J5/U	ND(5200)	J5/U	ND(5100)	J5/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	NA		NA		NA		NA	
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		NA		NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05MW76A		IR05MW76A		IR05MW76A		IR05MW76A	
Sample Depth(feet):		1.00		2.50		5.00		15.50	
Sample Number:		9047G526		9047G527		9047G528		9047G529	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/20/90		11/20/90		11/20/90		11/20/90	
Lab Sample Number:		9011159-01A		9011159-02A		9011159-03A		9011159-04A	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Methylene chloride	ug/kg	ND(11)	U1J5	ND(28)	U1J5	ND(6)	U1J5	160	J5/B
Acetone	ug/kg	ND(10)	R1/U	ND(10)	R1/U	ND(10)	R1/U	ND(31)	U1J5
Carbon disulfide	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(5)	R1/U	27	J5
Chloroform	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(5)	R1/U	ND(9)	R1/U
Methyl ethyl ketone	ug/kg	ND(10)	R1/U	ND(10)	R1/U	ND(10)	R1/U	ND(17)	R1/U
Trichloroethene	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(5)	R1/U	ND(9)	R1/U
Toluene	ug/kg	ND(5)	R1/U	5	FJ5/J	ND(5)	R1/U	3	FJ5/J
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(330)	J5/U	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
Acenaphthylene	ug/kg	ND(330)	J5/U	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
n-Nitrosodiphenylamine	ug/kg	ND(330)	J5/U	170	J5/J	150	J5/J	220	J5/J
Phenanthrene	ug/kg	ND(330)	J5/U	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
Anthracene	ug/kg	ND(330)	J5/U	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
Fluoranthene	ug/kg	ND(330)	J5/U	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
Pyrene	ug/kg	ND(330)	J5/U	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
Butylbenzylphthalate	ug/kg	ND(330)	J5/U	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
Benzo(a)anthracene	ug/kg	ND(330)	J5/U	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
Chrysene	ug/kg	190	J5/J	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(330)	J5/U	ND(360)	U1J5/J	ND(310)	A/U	ND(640)	U1J5/J
Benzo(b)fluoranthene	ug/kg	ND(330)	J5/U	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
Benzo(k)fluoranthene	ug/kg	ND(330)	J5/U	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
Benzo(a)pyrene	ug/kg	ND(330)	J5/U	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(330)	J5/U	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
Dibenzo(a,h)anthracene	ug/kg	ND(330)	J5/U	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
Benzo(ghi)perylene	ug/kg	ND(330)	J5/U	ND(360)	J5/U	ND(310)	J5/U	ND(520)	J5/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	910	J5	ND(160)	J5/U	ND(1200)	R1J3/U	NA	
TPH DIESEL									
TPH-Diesel	mg/kg	ND(20)	A/U	ND(21)	A/U	ND(20)	A/U	NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	2190	J3	610	J3	810	J3	NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05MW77A		IR05MW77A		IR05MW77A		IR05MW77A	
Sample Depth(feet):		1.00		3.00		5.50		15.50	
Sample Number:		9048H455		9048H456		9048H457		9048H458	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/26/90		11/26/90		11/26/90		11/26/90	
Lab Sample Number:		9011173-01A		9011173-02A		9011173-03A		9011173-04A	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	95	J5	510	J58/E	370	J58/E	590	J58/BE
Acetone	ug/kg	ND(30)	U1J5	ND(110)	U1J5	ND(64)	U1J5	ND(42)	U1J5
Carbon disulfide	ug/kg	ND(5)	R1/U	27	J5	ND(6)	R1/U	ND(5)	R1/U
Chloroform	ug/kg	ND(5)	R1/U	ND(5)	R1/U	ND(6)	R1/U	ND(5)	R1/U
Methyl ethyl ketone	ug/kg	ND(11)	U1R1/U	ND(11)	R1/U	ND(11)	R1/U	ND(11)	R1/U
Trichloroethene	ug/kg	ND(5)	R1/U	8	J5	ND(6)	R1/U	ND(5)	R1/U
Toluene	ug/kg	7	FJ5	41	FJ5	8	FJ5	ND(5)	U1J5/J
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(3500)	R1/U	ND(720)	R1/U	ND(810)	R1/U	ND(720)	R1/U
Acenaphthylene	ug/kg	ND(3500)	R1/U	ND(720)	R1/U	ND(810)	R1/U	ND(720)	R1/U
n-Nitrosodiphenylamine	ug/kg	ND(3500)	R1/U	300	J5/J	ND(810)	R1/U	ND(720)	R1/U
Phenanthrene	ug/kg	ND(3500)	R1/U	ND(720)	R1/U	ND(810)	R1/U	ND(720)	R1/U
Anthracene	ug/kg	ND(3500)	R1/U	ND(720)	R1/U	ND(810)	R1/U	ND(720)	R1/U
Fluoranthene	ug/kg	ND(3500)	R1/U	420	J5/J	ND(810)	R1/U	ND(720)	R1/U
Pyrene	ug/kg	1800	J5/J	1700	J5	ND(810)	R1/U	ND(720)	R1/U
Butylbenzylphthalate	ug/kg	ND(3500)	R1/U	ND(720)	R1/U	ND(810)	R1/U	ND(720)	R1/U
Benzo(a)anthracene	ug/kg	ND(3500)	R1/U	360	J5/J	ND(810)	R1/U	ND(720)	R1/U
Chrysene	ug/kg	ND(3500)	R1/U	670	J5/J	ND(810)	R1/U	ND(720)	R1/U
Bis(2-ethylhexyl)phthalate	ug/kg	ND(3500)	R1/U	ND(720)	R1/U	ND(810)	R1/U	ND(720)	R1/U
Benzo(b)fluoranthene	ug/kg	ND(3500)	R1/U	770	J5	ND(810)	R1/U	ND(720)	R1/U
Benzo(k)fluoranthene	ug/kg	ND(3500)	R1/U	ND(720)	R1/U	ND(810)	R1/U	ND(720)	R1/U
Benzo(a)pyrene	ug/kg	ND(3500)	R1/U	380	J5/J	ND(810)	R1/U	ND(720)	R1/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(3500)	R1/U	400	J5/J	ND(810)	R1/U	ND(720)	R1/U
Dibenzo(a,h)anthracene	ug/kg	ND(3500)	R1/U	ND(720)	R1/U	ND(810)	R1/U	ND(720)	R1/U
Benzo(ghi)perylene	ug/kg	ND(3500)	R1/U	530	J5/J	ND(810)	R1/U	ND(720)	R1/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	800	J5	440	J5/J	ND(710)	J5/U	NA	
TPH DIESEL									
TPH-Diesel	mg/kg	ND(21)	A/U	ND(21)	A/U	ND(22)	A/U	NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	8250	J3	4690	J3	1560	J3	NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-5
Analytical Results for Organic Compounds Detected in Soil Samples
Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:	IR05MW77A		IR05MW77A		IR05MW77A		IR05MW77A	
Sample Depth(feet):	20.50		25.50		30.50		35.50	
Sample Number:	9048H459		9048H460		9048H461		9048H462	
Matrix:	SOIL		SOIL		SOIL		SOIL	
Sample Date:	11/26/90		11/26/90		11/26/90		11/26/90	
Lab Sample Number:	9011173-05A		9011173-06A		9011173-07A		9011173-08A	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Methylene chloride	ug/kg	57	J5/B	35	J35/B	25	J5/B	25	J5/B
Acetone	ug/kg	ND(31)	U1J5	ND(39)	U1J5	ND(41)	U1J5	ND(72)	U1J5
Carbon disulfide	ug/kg	4	R1/J	ND(6)	R1J3/U	ND(6)	R1/U	ND(6)	R1/U
Chloroform	ug/kg	ND(6)	R1/U	ND(6)	R1J3/U	ND(6)	R1/U	ND(6)	R1/U
Methyl ethyl ketone	ug/kg	ND(12)	U1R1/U	ND(13)	U1R1J3/	ND(12)	U1R1/U	ND(13)	U1R1/U
Trichloroethene	ug/kg	ND(6)	R1/U	ND(6)	R1J3/U	ND(6)	R1/U	ND(6)	R1/U
Toluene	ug/kg	ND(6)	U1J5/U	ND(6)	U1J5/U	ND(6)	U1J5/U	22	FJ5
CLP-SOC									
2-Methylnaphthalene	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
Acenaphthylene	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
n-Nitrosodiphenylamine	ug/kg	ND(380)	R1/U	ND(810)	R1/U	180	J5/J	340	J5/J
Phenanthrene	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
Anthracene	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
Fluoranthene	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
Pyrene	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
Butylbenzylphthalate	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
Benzo(a)anthracene	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
Chrysene	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
Bis(2-ethylhexyl)phthalate	ug/kg	170	J5/J	ND(810)	R1/U	350	J5/J	1200	J5
Benzo(b)fluoranthene	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
Benzo(k)fluoranthene	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
Benzo(a)pyrene	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
Indeno(1,2,3-cd)pyrene	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
Dibenzo(a,h)anthracene	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
Benzo(ghi)perylene	ug/kg	ND(380)	R1/U	ND(810)	R1/U	ND(370)	R1/U	ND(810)	R1/U
CLP-PEST/PCB									
Aroclor-1260	ug/kg	NA		NA		NA		NA	
TPH DIESEL									
TPH-Diesel	mg/kg	NA		NA		NA		NA	
OIL & GREASE									
Total Oil & Grease	mg/kg	NA		NA		NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Validation Assigned Qualifiers

A: Data is acceptable based on a review of laboratory and field QC samples and holding times as discussed in the text.

F: The presence of this compound is due to suspected field contamination.

J3: Analytical results for this compound are qualified as estimated due to poor spike recoveries.

J5: Analytical results for this compound are qualified as estimated due to holding time exceedances.

J7: Analytical results for this compound are qualified as estimated due to linearity problems in the initial calibration.

J8: Analytical results for this compound are qualified as estimated due to detection of the compound above the instrument calibration range.

R1: Analytical results for this compound are qualified as rejected due to holding time exceedances.

R2: Analytical results for this compound are qualified as rejected due to poor spike recoveries.

U1: Compound is qualified as non-detected due to its occurrence in the laboratory blanks.

U2: Compound is qualified as non-detected due to its occurrence in the field blanks.

V: Sample has undergone full CLP validation.

Laboratory Assigned Qualifiers

B: Compound is also detected in the laboratory method blank.

#,b: Analytical results should not be considered reliable for this common lab contaminant.

D: Compound is identified in an analysis at a secondary dilution factor.

E: Concentration exceeds the calibration range of the GC/MS instrument for the specific analysis.

G: Reporting limit raised due to matrix interference.

J: Result is detected below the reporting limit or is an estimated concentration.

j: All reporting limits for this sample raised due to matrix interferences.

l: If 'l' is attached to a diesel result, then either the hydrocarbons present in this sample represent an unknown mixture at a concentrtion of less than 45 mg/kg, or the hydrocarbons present in this sample do not fit the diesel pattern, but are found in the diesel range. (Quantification was based upon diesel references.) If 'l' is attached to a gasoline result, then this sample contains late eluting hydrocarbons. Early gasoline peaks are below reporting limits.

o: Reporting limit raised due to high level of analyte present in sample.

Laboratory Assigned Qualifiers (Continued...)

r: Reporting limit changed due to sample volume limitations.

U: Compound was analyzed but not detected.

X,Y: Specific flag used to properly define the results. Qualifier is fully described in the Sample Data Summary Package and the Case Narrative.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B046		IR05B046		IR05B046		IR05B046
Sample Depth(feet):		1.25		3.25		5.75		10.75
Sample Number:		9048H507		9048H508		9048H509		9048H510
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/29/90		11/29/90		11/29/90		11/29/90
Lab Sample Number:		9012001-07C		9012001-08C		9012001-09C		9012001-10C
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	0.61	J5	0.24	J5	ND(0.1)	R1/U	ND(0.1)	R1/U
CLP-FUAA									
Arsenic	mg/kg	5.2	N*	ND(3)	NW*U	ND(1)	N*U	ND(1)	NW*U
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	J3/U	ND(0.5)	J3/WU	ND(0.5)	J3/U	ND(0.5)	J3/WU
Thallium	mg/kg	ND(1)	WU	ND(1)	WU	ND(1)	WU	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	9933	A	27900	*	2470	*	3160	*
Antimony	mg/kg	7.7	J23	ND(6)	J23/U	ND(6)	J23/U	ND(6)	J23/U
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	181	J3/N	135	J3/N	ND(20)	J3/NU	ND(20)	J3/NU
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	1.1	A	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Calcium	mg/kg	11200	A	15700	*	10300	*	12000	*
Chromium	mg/kg	592	J3	176	J3	671	J3	315	J3
Cobalt	mg/kg	13.1	A	32.7	A	86.8	A	59.1	A
Copper	mg/kg	684	J2/*	136	J2	5.6	J2	8.3	J2
Iron	mg/kg	26900	A	44600	A	31000	A	29400	A
Lead	mg/kg	1815	J2/*	27.6	J2	ND(10)	J2/U	ND(10)	J2/U
Magnesium	mg/kg	15000	A	49600	A	195700	A	176600	A
Manganese	mg/kg	470	J3	865	J3	747	J3	528	J3
Nickel	mg/kg	123	J3	314	J3/*	1500	J3/*	1090	J3/*
Potassium	mg/kg	1196	A	771	*	ND(500)	A/U	ND(500)	A/U
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	ND(500)	A/U	512	A	ND(500)	A/U	952	A
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	36.3	A	96.4	A	21	A	19.7	A
Zinc	mg/kg	881	A	181	*	27.1	*	24	*
Molybdenum	mg/kg	ND(10)	A/U	10.1	A	ND(10)	A/U	ND(10)	A/U
EPA-9045									
pH	ph	7.5	J5	8.45	J5	8.05	J5	7.1	J5
EPA-600/M482020									
Chrysotile Asbestos	%	2	A	1	A	1	A	NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B046		IR05B046		IR05B047		IR05B047
Sample Depth(feet):		17.75		20.75		1.25		3.25
Sample Number:		9048H511		9048H512		9048H522		9048H523
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/29/90		11/29/90		11/30/90		11/30/90
Lab Sample Number:		9012001-11B		9012001-12B		9012004-06C		9012004-07C
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	R1/U	0.2	J5	0.21	J5	ND(0.1)	R1/U
CLP-FUAA									
Arsenic	mg/kg	7	NW*	ND(3)	NW*U	2.5	A	ND(1)	A/U
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	J3/U	0.6	J3/W	ND(0.5)	J3/NU	ND(0.5)	J3/NWU
Thallium	mg/kg	ND(1)	A/U	ND(1)	WU	ND(1)	A/U	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	17700	*	16900	*	4830	A	1812	A
Antimony	mg/kg	ND(6)	J23/U	6.1	A	ND(6)	J3/U	ND(6)	J3/U
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	30.2	J3/N	27.9	J3/N	59.8	J3/N	ND(20)	J3/NU
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Calcium	mg/kg	17900	*	15500	*	4670	A	442	BA
Chromium	mg/kg	68.2	J3	59.4	J3	26.2	*	414	*
Cobalt	mg/kg	12.2	A	11.8	A	6.2	A	70.8	A
Copper	mg/kg	24.4	J2	23.1	J2	38.8	A	3.7	A
Iron	mg/kg	35500	A	38600	A	9980	J2/*	31500	J2/*
Lead	mg/kg	ND(10)	J2/U	ND(10)	J2/U	36.2	J2/*	ND(10)	J2/U
Magnesium	mg/kg	11700	A	11900	A	4520	A	173000	A
Manganese	mg/kg	281	J3	304	J3	217	A	464	A
Nickel	mg/kg	63	J3/*	60.5	J3/*	33.9	J3/N	1280	J3/N
Potassium	mg/kg	3290	*	3840	*	605	A	ND(500)	A/U
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	J3/U	ND(1)	J3/U
Sodium	mg/kg	6162	A	9200	A	ND(500)	A/U	ND(500)	A/U
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	50.8	A	52.2	A	15.8	A	15.3	A
Zinc	mg/kg	71	*	106	*	79.7	A	22.5	A
Molybdenum	mg/kg	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U
EPA-9045									
pH	ph	7	J5	8.8	J5	8.5	J5	8.4	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		ND(1)	A	3	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B047		IR05B047		IR05B047		IR05B047
Sample Depth(feet):		5.75		10.75		15.75		20.75
Sample Number:		9048H524		9048H525		9048H526		9048H527
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/30/90		11/30/90		11/30/90		11/30/90
Lab Sample Number:		9012004-08C		9012004-09C		9012004-10B		9012004-11B
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	R1/U	ND(0.1)	R1/U	ND(0.1)	R1/U	ND(0.1)	R1/U
CLP-FUAA									
Arsenic	mg/kg	ND(1)	A/U	ND(1)	A/U	4.7	A	11	W
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	J3/NU	ND(0.5)	J3/NWU	ND(0.5)	J3/NU	ND(0.5)	J3/NU
Thallium	mg/kg	ND(1)	WU	ND(1)	WU	ND(1)	WU	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	609	A	3424	A	8221	A	11600	A
Antimony	mg/kg	ND(6)	J3/U	ND(6)	J3/U	ND(6)	J3/U	ND(6)	J3/U
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	ND(20)	J3/NU	ND(20)	J3/NU	22.1	J3/N	27.9	J3/N
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Calcium	mg/kg	1531	A	895	A	3700	A	4470	A
Chromium	mg/kg	230	*	422	*	242	*	139	*
Cobalt	mg/kg	35.2	A	58.5	A	36.3	A	12.8	A
Copper	mg/kg	2.7	A	9.2	A	15.6	A	20.6	A
Iron	mg/kg	12900	J2/*	31700	J2/*	33900	J2/*	32200	J2/*
Lead	mg/kg	ND(10)	J2/U	ND(10)	J2/U	ND(10)	J2/U	ND(10)	J2/U
Magnesium	mg/kg	85800	A	47400	A	94000	A	10000	A
Manganese	mg/kg	292	A	459	A	416	A	283	A
Nickel	mg/kg	614	J3/N	1230	J3/N	558	J3/N	77.5	J3/N
Potassium	mg/kg	ND(500)	A/U	ND(500)	A/U	1740	A	2770	A
Silver	mg/kg	ND(1)	J3/U	ND(1)	J3/U	ND(1)	J3/U	ND(1)	J3/U
Sodium	mg/kg	ND(500)	A/U	2050	A	4010	A	5070	A
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	8.5	A	24.5	A	33.3	A	40.2	A
Zinc	mg/kg	10.4	A	26.8	A	43.2	A	58.1	A
Molybdenum	mg/kg	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U
EPA-9045									
pH	ph	8.65	J5	8.35	J5	7.25	J5	8.4	J5
EPA-600/M482020									
Chrysotile Asbestos	%	3	A	NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B051		IR05B051		IR05B051		IR05B051
Sample Depth(feet):		1.25		3.25		5.25		10.25
Sample Number:		9049G539		9049G540		9049G541		9049G542
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		12/03/90		12/03/90		12/03/90		12/03/90
Lab Sample Number:		9012025-01B		9012025-02B		9012025-03B		9012025-04B
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	0.36	J5	ND(0.1)	R1/U	ND(0.1)	R1/U	ND(0.1)	R1/U
CLP-FUAA									
Arsenic	mg/kg	1.1	A	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	WU	ND(0.5)	A/U
Thallium	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	5910	J2/*	883	J2/*	1430	J2/*	1330	J2/*
Antimony	mg/kg	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	43.4	A	ND(20)	A/U	ND(20)	A/U	ND(20)	A/U
Beryllium	mg/kg	ND(0.5)	NU	ND(0.5)	NU	ND(0.5)	NU	ND(0.5)	NU
Cadmium	mg/kg	2.8	J3/N*	4.9	J3/N*	2.3	J3/N*	2.8	J3/N*
Calcium	mg/kg	5970	A	ND(500)	A/U	2600	A	1280	A
Chromium	mg/kg	61.9	J2/*	282	J2/*	277	J2/*	280	J2/*
Cobalt	mg/kg	6	A	62.7	A	39.3	A	37	A
Copper	mg/kg	246	A	ND(2.5)	A/U	7.3	A	12	A
Iron	mg/kg	12700	A	39300	A	32600	A	30900	A
Lead	mg/kg	320	A	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U
Magnesium	mg/kg	7940	A	131000	A	264000	A	192000	A
Manganese	mg/kg	227	A	302	A	449	A	474	A
Nickel	mg/kg	52.1	A	2000	A	846	A	827	A
Potassium	mg/kg	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U	824	A
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	23.7	N	15.1	N	16.9	N	18.9	N
Zinc	mg/kg	475	N*	23	N*	25.9	N*	27.9	N*
Molybdenum	mg/kg	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U
EPA-9045									
pH	ph	7.1	A	8	A	7.4	A	7.05	A
EPA-600/M482020									
Chrysotile Asbestos	%	1	A	8	A	15	A	NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B051		IR05B051		IR05B054		IR05B054
Sample Depth(feet):		15.75		20.75		0.50		3.00
Sample Number:		9049G545		9049G546		9047G504		9047G505
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		12/03/90		12/03/90		11/19/90		11/19/90
Lab Sample Number:		9012025-05B		9012025-06B		9011145-01C		9011145-02C
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	R1/U	ND(0.1)	R1/U	0.2	A	0.24	A
CLP-FUAA									
Arsenic	mg/kg	8.2	W	9.7	A	NA		NA	
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	WU	ND(0.5)	WU	ND(0.5)	J3/WU	ND(0.5)	J3/NU
Thallium	mg/kg	ND(1)	A/U	ND(1)	A/U	NA		NA	
CLP-ICP									
Aluminum	mg/kg	17700	J2/*	18700	J2/*	5570	A	16400	A
Antimony	mg/kg	ND(6)	A/U	ND(6)	A/U	0.23	B	0.3	BN
Arsenic	mg/kg	NA		NA		3.83	A	5.77	N
Barium	mg/kg	ND(20)	A/U	26.2	A	68.3	A	151	A
Beryllium	mg/kg	ND(0.5)	NU	ND(0.5)	NU	0.63	B	1	A
Cadmium	mg/kg	3.5	J3/N*	4.1	J3/N*	8.78	A	6.2	A
Calcium	mg/kg	9110	A	8040	A	4780	A	10800	A
Chromium	mg/kg	94.6	J2/*	116	J2/*	320	N	214	N
Cobalt	mg/kg	8.8	A	12.5	A	92.4	J3	41.7	J3/N
Copper	mg/kg	26.7	A	35.6	A	131	A	54	A
Iron	mg/kg	36400	A	38700	A	43700	A	36700	A
Lead	mg/kg	ND(10)	A/U	ND(10)	A/U	86.3	A	10.8	NE
Magnesium	mg/kg	15000	A	14600	A	107400	J2	63400	J2
Manganese	mg/kg	331	A	365	A	1093	J2	947	J2
Nickel	mg/kg	55.8	A	62.5	A	1243	J2/N	580	J2/N
Potassium	mg/kg	3700	A	4240	A	ND(500)	A/U	ND(500)	A/U
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	5760	A	7010	A	535	A	ND(500)	A/U
Thallium	mg/kg	NA		NA		0.12	B	0.09	B
Vanadium	mg/kg	55.2	N	62.5	N	30.9	A	69	A
Zinc	mg/kg	71	N*	79.3	N*	474	J2	78.5	J2
Molybdenum	mg/kg	ND(10)	A/U	ND(10)	A/U	1.2	B	0.69	BN
EPA-9045									
pH	ph	8.3	A	8.15	A	7.05	J5	8.1	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		1	A	1	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B054		IR05B054		IR05B054		IR05B054
Sample Depth(feet):		5.50		10.00		15.50		20.50
Sample Number:		9047G506		9047G507		9047G508		9047G509
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/19/90		11/19/90		11/19/90		11/19/90
Lab Sample Number:		9011145-03C		9011145-04C		9011145-05B		9011145-06B
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	A/U	ND(0.1)	A/U	ND(0.1)	A/U	0.21	A
CLP-FUAA									
Arsenic	mg/kg	NA		NA		NA		NA	
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	J3/WU	ND(0.5)	J3/WU	1.3	J3/W	1.4	J3/W
Thallium	mg/kg	NA		NA		NA		NA	
CLP-ICP									
Aluminum	mg/kg	3140	A	2460	A	18500	A	17600	A
Antimony	mg/kg	0.46	B	ND(0.2)	A/U	0.56	B	ND(0.2)	A/U
Arsenic	mg/kg	1.68	B	ND(1)	A/U	17.2	A	20.6	A
Barium	mg/kg	33	A	ND(20)	A/U	42.2	A	40.6	A
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	0.99	B	0.77	A
Cadmium	mg/kg	5.76	A	4.81	A	8.36	A	7.73	A
Calcium	mg/kg	7060	A	1850	A	11000	A	19100	A
Chromium	mg/kg	328	N	515	N	113	N	83.7	N
Cobalt	mg/kg	77.3	J3	78.2	J3	21.7	J3	11.6	J3
Copper	mg/kg	14.5	A	9.38	A	36.8	A	44.5	A
Iron	mg/kg	30200	A	31800	A	40500	A	33000	A
Lead	mg/kg	8.39	A	0.4	B	9.03	A	10.8	A
Magnesium	mg/kg	163800	J2	183200	J2	25600	J2	11600	J2
Manganese	mg/kg	992	J2	716	J2	458	J2	297	J2
Nickel	mg/kg	807	J2/N	1790	J2/N	192	J2/N	81.2	J2/N
Potassium	mg/kg	ND(500)	A/U	ND(500)	A/U	3300	A	3100	A
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	ND(500)	A/U	1100	A	5900	A	5700	A
Thallium	mg/kg	ND(0.06)	A/U	ND(0.06)	A/U	0.24	B	0.18	B
Vanadium	mg/kg	21	A	22.6	A	54.2	A	45.7	A
Zinc	mg/kg	87.7	J2	30.1	J2	83.6	J2	81.2	J2
Molybdenum	mg/kg	0.76	B	0.55	B	1.28	B	1.08	B
EPA-9045									
pH	ph	8	J5	8.3	J5	8.55	J5	8.25	J5
EPA-600/M482020									
Chrysotile Asbestos	%	13	A	NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B057		IR05B057		IR05B057		IR05B057
Sample Depth(feet):		0.50		3.00		5.50		10.25
Sample Number:		9048H482		9048H483		9048H484		9048H485
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/28/90		11/28/90		11/28/90		11/28/90
Lab Sample Number:		9011192-01C		9011192-02C		9011192-03C		9011192-04C
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	R1/U	0.26	J5	ND(0.1)	R1/U	0.58	J5
CLP-FUAA									
Arsenic	mg/kg	1	N	2.2	+	7.1	N	2.5	NW
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	NWU	ND(0.5)	NWU	ND(0.5)	NU	ND(0.5)	NU
Thallium	mg/kg	ND(1)	A/U	1	A	ND(1)	A/U	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	4000	A	10800	A	9500	A	3900	A
Antimony	mg/kg	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	30.3	A	161	A	121	A	92.1	A
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	5.3	A	5.1	A	4.3	A	5.9	A
Calcium	mg/kg	6100	A	7700	A	2900	A	5800	A
Chromium	mg/kg	196	J3	98.2	J3	137	J3	1120	J3
Cobalt	mg/kg	73.8	A	22.2	A	16.4	A	69.1	A
Copper	mg/kg	36.6	*	73.2	*	30.2	*	18.5	*
Iron	mg/kg	26600	A	26100	A	26000	A	31400	A
Lead	mg/kg	35.8	J2	58.4	J2	ND(10)	J2/U	ND(10)	J2/U
Magnesium	mg/kg	109000	A	32700	A	23700	A	153000	A
Manganese	mg/kg	709	J3	602	J3	313	J3	470	J3
Nickel	mg/kg	732	J23/*	243	J23/*	206	J23/*	1520	J23/*
Potassium	mg/kg	ND(500)	A/U	1200	A	802	A	ND(500)	A/U
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	18.3	*	34.9	*	32.4	*	22	*
Zinc	mg/kg	127	*	895	*	43.3	*	32.3	*
Molybdenum	mg/kg	ND(10)	NU	ND(10)	NU	ND(10)	NU	ND(10)	NU
EPA-9045									
pH	ph	7.2	J5	NA		8.5	J5	8.4	J5
EPA-600/M482020									
Chrysotile Asbestos	%	5	A	5	A	3	A	NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B057		IR05B057		IR05B057		IR05B062
Sample Depth(feet):		15.25		20.50		30.50		0.50
Sample Number:		9048H486		9048H489		9048H490		9048H474
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/28/90		11/28/90		11/28/90		11/27/90
Lab Sample Number:		9011192-05B		9011192-06B		9011192-07B		9011184-01C
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	66.8	J5	0.59	J5	0.27	J5	0.24	J5
CLP-FUAA									
Arsenic	mg/kg	5.6	N	1.3	N	3.8	N	2.2	*
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	NU	ND(0.5)	NWU	ND(0.5)	NWU	ND(0.5)	NWU
Thallium	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	WU	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	7100	A	9000	A	5100	A	16800	A
Antimony	mg/kg	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	66.5	A	134	A	ND(20)	A/U	89.9	A
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	5	A	4.1	A	2.1	A	ND(0.5)	A/U
Calcium	mg/kg	2200	A	5600	A	190000	A	7360	A
Chromium	mg/kg	187	J3	135	J3	37.3	J3	265	A
Cobalt	mg/kg	12	A	45.6	A	5.8	A	51.1	A
Copper	mg/kg	595	*	71.8	*	11	*	105	J2/N
Iron	mg/kg	28000	A	22600	A	10100	A	52200	A
Lead	mg/kg	418	J2	10.2	J2	ND(10)	J2/U	84.6	A
Magnesium	mg/kg	12700	A	21500	A	3800	A	79900	A
Manganese	mg/kg	257	J3	361	J3	102	J3	768	A
Nickel	mg/kg	120	J23/*	308	J23/*	27	J23/*	848	A
Potassium	mg/kg	584	A	660	A	1100	A	1960	*
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	705	A	1100	A	2600	A	ND(500)	A/U
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	32.4	*	33.3	*	20.7	*	45.5	A
Zinc	mg/kg	716	*	43.1	*	20.2	*	198	J3
Molybdenum	mg/kg	ND(10)	NU	ND(10)	NU	ND(10)	NU	ND(10)	A/U
EPA-9045									
pH	ph	7.2	J5	7.5	J5	8.65	J5	8.6	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		1	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B062		IR05B062		IR05B062		IR05B062	
Sample Depth(feet):		2.50		5.50		10.50		15.50	
Sample Number:		9048H475		9048H476		9048H477		9048H478	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/27/90		11/27/90		11/27/90		11/27/90	
Lab Sample Number:		9011184-02C		9011184-03C		9011184-04C		9011184-05B	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.14	J5	0.28	J5	0.21	J5	ND(0.1)	R1/U
CLP-FUAA									
Arsenic	mg/kg	1.2	*	4.7	*	2.2	*	5.9	*
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	NWU	0.5	NW	ND(0.5)	NWU	ND(0.5)	NWU
Thallium	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	24700	A	41500	A	17500	A	24000	A
Antimony	mg/kg	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	189	A	134	A	91.9	A	52.8	A
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Calcium	mg/kg	18700	A	16200	A	13800	A	171000	A
Chromium	mg/kg	322	A	141	A	364	A	69.4	A
Cobalt	mg/kg	42.2	A	23.8	A	53.2	A	9.2	A
Copper	mg/kg	46.4	J2/N	50.2	J2/N	43.7	J2/N	20.7	J2/N
Iron	mg/kg	43500	A	53300	A	45100	A	41900	A
Lead	mg/kg	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U
Magnesium	mg/kg	67000	A	37200	A	105000	A	12900	A
Manganese	mg/kg	778	A	658	A	733	A	307	A
Nickel	mg/kg	696	A	185	A	987	A	60	A
Potassium	mg/kg	1640	*	5350	*	1510	*	3870	*
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	ND(500)	A/U	ND(500)	A/U	775	A	4530	A
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	65.9	A	70.8	A	56.8	A	48.7	A
Zinc	mg/kg	64	J3	75.6	J3	55.6	J3	59.1	J3
Molybdenum	mg/kg	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U
EPA-9045									
pH	ph	8.75	J5	8.75	J5	8.7	J5	8.35	J5
EPA-600/M482020									
Chrysotile Asbestos	%	2	A	1	A	NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B062		IR05B062		IR05B062		IR05B063	
Sample Depth(feet):		20.50		25.50		30.50		0.50	
Sample Number:		9048H479		9048H480		9048H481		9046G496	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/27/90		11/27/90		11/27/90		11/16/90	
Lab Sample Number:		9011184-06B		9011184-07B		9011184-08B		9011116-01A	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	R1/U	ND(0.1)	R1/U	0.16	J5	0.7	J5
CLP-FUAA									
Arsenic	mg/kg	3.7	*	5.7	*	7.1	*	3.2	M+
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	NWU	ND(0.5)	NWU	ND(0.5)	NWU	ND(0.5)	A/U
Thallium	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	34000	A	29600	A	38800	A	9500	A
Antimony	mg/kg	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U	NA	
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	193	A	45.7	A	86.1	A	139	E
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	12.9	J3/E
Calcium	mg/kg	14200	A	7110	A	7070	A	7850	A
Chromium	mg/kg	352	A	96.5	A	118	A	263	*
Cobalt	mg/kg	32.9	A	13	A	17.2	A	24.5	A
Copper	mg/kg	56.5	J2/N	29.8	J2/N	41.6	J2/N	272	E
Iron	mg/kg	52200	A	46800	A	52000	A	27700	A
Lead	mg/kg	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U	525	A
Magnesium	mg/kg	71400	A	14200	A	17500	A	28200	A
Manganese	mg/kg	849	A	351	A	391	A	625	E*
Nickel	mg/kg	551	A	83.2	A	105	A	259	E
Potassium	mg/kg	2170	*	3980	*	5650	*	ND(500)	A/U
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	1990	A	5530	A	5300	A	ND(500)	A/U
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	64.8	A	42.3	A	82.5	A	36.8	A
Zinc	mg/kg	70.9	J3	71.6	J3	92.9	J3	641	E*
Molybdenum	mg/kg	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U	ND(1.56)	U1/B
EPA-9045									
pH	ph	8.9	J5	8.75	J5	8.85	J5	7.35	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B063		IR05B063		IR05B063		IR05B063
Sample Depth(feet):		2.50		5.00		9.50		15.50
Sample Number:		9046G497		9046G498		9046G499		9046G501
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/16/90		11/16/90		11/16/90		11/16/90
Lab Sample Number:		9011116-02A		9011116-03A		9011116-04A		9011116-05A
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	J5/U	ND(0.1)	J5/U	ND(0.1)	J5/U	ND(0.1)	J5/U
CLP-FUAA									
Arsenic	mg/kg	ND(1)	NU	ND(1)	A/U	ND(1)	A/U	8.2	A
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	0.9	B
Thallium	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	3500	A	3600	A	3200	A	12000	A
Antimony	mg/kg	NA		NA		NA		NA	
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	ND(20)	A/U	22	E	ND(20)	A/U	36	E
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	0.66	B
Cadmium	mg/kg	4.59	J3/E	5.2	J3/E	3.9	J3/E	7.3	J3/E
Calcium	mg/kg	4800	A	2600	A	1400	A	26500	A
Chromium	mg/kg	237	*	340	*	450	*	590	*
Cobalt	mg/kg	52.1	A	67.2	A	58.9	A	19.8	A
Copper	mg/kg	9.2	E	9.3	E	8.6	E	26.4	E
Iron	mg/kg	30300	A	26000	A	26200	A	38000	A
Lead	mg/kg	ND(6)	A/U	ND(10.1)	U1	ND(6)	A/U	ND(9.24)	U1
Magnesium	mg/kg	129000	*	159000	*	151000	*	12500	*
Manganese	mg/kg	350	E*	590	E*	580	E*	460	E*
Nickel	mg/kg	1319	A	1300	A	1400	A	390	E
Potassium	mg/kg	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U	3500	A
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	ND(500)	A/U	860	A	620	A	5000	A
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	19.8	A	23.9	A	24.9	A	44.9	A
Zinc	mg/kg	28.2	E*	34.5	E*	32.4	E*	81	E*
Molybdenum	mg/kg	ND(0.56)	U1/B	ND(0.62)	U1/B	ND(0.59)	U1/B	ND(1.92)	U1/B
EPA-9045									
pH	ph	7.25	J5	8.25	J5	7.5	J5	8.25	J5
EPA-600/M482020									
Chrysotile Asbestos	%	10	A	5	A	NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B063		IR05B066		IR05B066		IR05B066
Sample Depth(feet):		20.50		1.00		3.00		5.50
Sample Number:		9046G502		9048H463		9048H464		9048H465
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/16/90		11/27/90		11/27/90		11/27/90
Lab Sample Number:		9011116-06A		9011183-01C		9011183-02C		9011183-03C
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	J5/U	0.5	J25	ND(0.1)	R1J2/U	ND(0.1)	R1J2/U
CLP-FUAA									
Arsenic	mg/kg	9.5	A	NA		NA		NA	
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	2.5	A	ND(0.5)	NU	ND(0.5)	WU	ND(0.5)	WU
Thallium	mg/kg	ND(1)	A/U	NA		NA		NA	
CLP-ICP									
Aluminum	mg/kg	16000	A	5050	A	31700	A	8700	A
Antimony	mg/kg	NA		ND(0.5)	A/U	0.99	B	ND(0.5)	A/U
Arsenic	mg/kg	NA		5	N*	12.7	A	3.02	A
Barium	mg/kg	36	E	29.8	A	121	A	62.2	A
Beryllium	mg/kg	0.64	B	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	6.7	J3/E	ND(0.3)	A/U	ND(0.3)	A/U	ND(0.3)	A/U
Calcium	mg/kg	7600	A	4700	A	25300	A	5500	A
Chromium	mg/kg	81.2	*	338	N	206	N	104	N
Cobalt	mg/kg	13.4	A	91.7	A	32	A	96.4	A
Copper	mg/kg	29.6	E	128	J2/N	54.4	J2/N	56.8	J2/N
Iron	mg/kg	37300	A	42400	A	44900	A	43200	A
Lead	mg/kg	ND(6)	A/U	68.6	A	7.66	A	11.6	A
Magnesium	mg/kg	14500	*	108500	A	35400	A	147500	A
Manganese	mg/kg	394	E*	746	N	710	N	838	N
Nickel	mg/kg	77.1	E	966	N	273	N	2650	N
Potassium	mg/kg	4000	A	1050	A	2000	A	1200	A
Silver	mg/kg	ND(1)	A/U	ND(0.4)	A/U	ND(0.4)	A/U	ND(0.4)	A/U
Sodium	mg/kg	7600	A	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U
Thallium	mg/kg	NA		ND(0.2)	A/U	ND(0.2)	A/U	ND(0.2)	A/U
Vanadium	mg/kg	51.6	A	31	A	104	A	28.6	A
Zinc	mg/kg	86.7	E*	141	E*	108	A	97.6	A
Molybdenum	mg/kg	ND(2.03)	U1/B	ND(1)	A/U	1.72	B	1.94	B
EPA-9045									
pH	ph	8.1	J5	6.8	J5	7.55	J5	7.8	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		2	A	1	A	1	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B066		IR05B066		IR05B066		IR05B066	
Sample Depth(feet):		10.50		15.50		20.50		30.50	
Sample Number:		9048H466		9048H467		9048H468		9048H472	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/27/90		11/27/90		11/27/90		11/27/90	
Lab Sample Number:		9011183-04C		9011183-05B		9011183-06B		9011183-07B	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	R1J2/U	ND(0.1)	R1J2/U	ND(0.1)	R1J2/U	ND(0.1)	R1J2/U
CLP-FUAA									
Arsenic	mg/kg	NA		NA		NA		NA	
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	WU	ND(13)	WU	ND(0.5)	WU	ND(0.5)	WU
Thallium	mg/kg	NA		NA		NA		NA	
CLP-ICP									
Aluminum	mg/kg	35600	A	43400	A	20900	A	32200	A
Antimony	mg/kg	ND(0.5)	A/U	1.28	B	1.03	B	ND(0.5)	A/U
Arsenic	mg/kg	14.7	A	8.15	A	11.5	A	11.6	A
Barium	mg/kg	72.2	A	366	A	81.8	A	344	A
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	ND(0.3)	A/U	0.45	B	ND(0.3)	A/U	ND(0.3)	A/U
Calcium	mg/kg	14300	A	13700	A	8300	A	11600	A
Chromium	mg/kg	295	N	2400	N	95.8	N	299	N
Cobalt	mg/kg	38.2	A	157	A	18.5	A	33	A
Copper	mg/kg	45.8	J2/N	43.9	J2/N	29.8	J2/N	37.9	J2/N
Iron	mg/kg	46600	A	49000	A	32400	A	47500	A
Lead	mg/kg	10.7	A	12.3	A	8.51	A	9.64	A
Magnesium	mg/kg	64500	A	102100	A	25200	A	59600	A
Manganese	mg/kg	877	N	661	N	475	N	700	N
Nickel	mg/kg	478	N	1800	N	125	N	497	N
Potassium	mg/kg	2100	A	2400	A	2500	A	4100	A
Silver	mg/kg	ND(0.4)	A/U	ND(0.4)	A/U	ND(0.4)	A/U	ND(0.4)	A/U
Sodium	mg/kg	ND(500)	A/U	941	A	ND(500)	A/U	1000	A
Thallium	mg/kg	ND(0.2)	A/U	ND(0.2)	A/U	ND(0.2)	A/U	ND(0.2)	A/U
Vanadium	mg/kg	85.3	A	81.3	A	65.5	A	80.6	A
Zinc	mg/kg	113	A	105	A	88.3	A	94	A
Molybdenum	mg/kg	2.46	A	2.21	A	1.07	B	1.78	B
EPA-9045									
pH	ph	8.5	J5	8.7	J5	8	J5	8.05	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B066		IR05B067		IR05B067		IR05B067
Sample Depth(feet):		40.50		2.75		5.75		10.75
Sample Number:		9048H473		9048H513		9048H514		9048H515
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/27/90		11/29/90		11/29/90		11/29/90
Lab Sample Number:		9011183-08B		9012002-01C		9012002-02C		9012002-03C
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	R1J2/U	1.3	J5	0.36	J5	ND(0.1)	R1/U
CLP-FUAA									
Arsenic	mg/kg	NA		1.4	A	2.7	A	8	A
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	WU	ND(0.5)	A/U	ND(0.5)	WU	ND(0.5)	A/U
Thallium	mg/kg	NA		ND(1)	WU	ND(1)	A/U	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	36000	A	15500	*	10200	*	16300	*
Antimony	mg/kg	ND(0.5)	A/U	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U
Arsenic	mg/kg	13.5	A	NA		NA		NA	
Barium	mg/kg	64.2	A	123	J3/N	81.2	J3/N	29.1	J3/N
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	ND(0.3)	A/U	0.72	J3/N*	ND(0.5)	J3/NU	ND(0.5)	J3/NU
Calcium	mg/kg	5600	A	13700	A	38950	A	4191	A
Chromium	mg/kg	89.5	N	127	J3	43.3	J3	66.2	J3
Cobalt	mg/kg	19.1	A	17.9	J3/N	8.6	J3/N	15.7	J3/N
Copper	mg/kg	40.5	J2/N	350	J3	34.1	J3	52.2	J3
Iron	mg/kg	44800	A	34900	*	13100	*	38500	*
Lead	mg/kg	11.3	A	120	A	12.9	A	19.7	A
Magnesium	mg/kg	13900	A	23000	A	9700	A	13500	A
Manganese	mg/kg	366	N	689	J3	256	J3	393	J3
Nickel	mg/kg	91.4	N	134	J3	61.4	J3	93.9	J3
Potassium	mg/kg	5400	A	1016	*	1104	*	3581	*
Silver	mg/kg	ND(0.4)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	4700	A	645	A	ND(500)	A/U	6186	A
Thallium	mg/kg	ND(0.2)	A/U	NA		NA		NA	
Vanadium	mg/kg	83.9	A	70.4	*	23.8	*	55.4	*
Zinc	mg/kg	122	A	575	J3	58.2	J3	72.3	J3
Molybdenum	mg/kg	ND(1)	A/U	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U
EPA-9045									
pH	ph	8.85	J5	8.65	J5	11	J5	8.9	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		2	A	1	A	NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B067		IR05B070		IR05B070		IR05B070
Sample Depth(feet):		15.75		0.50		2.50		5.00
Sample Number:		9048H516		9047G515		9047G516		9047G517
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/29/90		11/19/90		11/19/90		11/19/90
Lab Sample Number:		9012002-04B		9011145-12C		9011145-13C		9011145-14C
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	R1/U	0.17	A	ND(0.1)	A/U	ND(0.1)	A/U
CLP-FUAA									
Arsenic	mg/kg	6.7	A	NA		NA		NA	
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	WU	ND(0.5)	J3/U	ND(0.5)	J3/WU	ND(0.5)	J3/WU
Thallium	mg/kg	ND(1)	WU	NA		NA		NA	
CLP-ICP									
Aluminum	mg/kg	15400	*	15750	A	12500	A	6630	A
Antimony	mg/kg	ND(6)	A/U	ND(0.2)	NU	0.5	B	0.46	B
Arsenic	mg/kg	NA		4.97	N	6.96	A	7.97	A
Barium	mg/kg	28.5	J3/N	129	*	72.7	A	29	A
Beryllium	mg/kg	ND(0.5)	A/U	0.9	A	0.7	A	0.8	A
Cadmium	mg/kg	ND(0.5)	J3/NU	6.1	A	5.1	A	7.5	A
Calcium	mg/kg	5807	A	17700	A	8410	A	5770	A
Chromium	mg/kg	57.2	J3	275	N	292	N	1070	N
Cobalt	mg/kg	14.3	J3/N	36	J3	51.3	J3	88.1	J3
Copper	mg/kg	26.5	J3	68.9	*	46.2	A	18.8	A
Iron	mg/kg	37000	*	34700	A	32300	A	38700	A
Lead	mg/kg	ND(10)	A/U	24	E	4.62	A	1.29	A
Magnesium	mg/kg	13100	A	55800	J2	111000	J2	195000	J2
Manganese	mg/kg	312	J3	907	J2	653	J2	606	J2
Nickel	mg/kg	60.8	J3	492	J2/N*	913	J2/N	1880	J2/N
Potassium	mg/kg	4051	*	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	7574	A	613	A	ND(500)	A/U	ND(500)	A/U
Thallium	mg/kg	NA		0.16	B	0.07	B	ND(0.06)	A/U
Vanadium	mg/kg	52.7	*	54.1	A	40.9	A	46.6	A
Zinc	mg/kg	71.1	J3	125	J2	56.4	J2	44.2	J2
Molybdenum	mg/kg	ND(10)	A/U	0.68	BN	0.62	B	0.64	B
EPA-9045									
pH	ph	7.6	J5	8.65	J5	7.45	J5	8	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		ND(1)	A	1	A	3	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B070		IR05B070		IR05B070		IR05B070
Sample Depth(feet):		9.75		20.50		30.50		40.50
Sample Number:		9047G518		9047G522		9047G523		9047G524
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/19/90		11/19/90		11/19/90		11/19/90
Lab Sample Number:		9011145-15C		9011145-16B		9011145-17B		9011145-18B
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	A/U	0.32	A	ND(0.1)	A/U	ND(0.1)	A/U
CLP-FUAA									
Arsenic	mg/kg	NA		NA		NA		NA	
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	J3/WU	ND(0.5)	J3/U	ND(0.5)	J3/WU	ND(0.5)	J3/U
Thallium	mg/kg	NA		NA		NA		NA	
CLP-ICP									
Aluminum	mg/kg	12400	A	5580	A	4590	A	14400	A
Antimony	mg/kg	0.29	B	ND(0.2)	A/U	ND(0.2)	A/U	ND(0.2)	A/U
Arsenic	mg/kg	7.68	A	5.94	A	2.71	A	10.9	A
Barium	mg/kg	166	A	104	A	30.4	A	77.9	A
Beryllium	mg/kg	0.7	B	0.7	A	ND(0.5)	A/U	0.9	A
Cadmium	mg/kg	4.7	A	5.9	A	4.6	A	4.8	A
Calcium	mg/kg	7830	A	1560	A	8540	A	10100	A
Chromium	mg/kg	277	N	421	N	513	N	222	N
Cobalt	mg/kg	42	J3	74.8	J3	57	J3	32.3	J3
Copper	mg/kg	31.1	A	14.4	A	13.1	A	50	A
Iron	mg/kg	32000	A	36000	A	29400	A	32400	A
Lead	mg/kg	6.01	A	2.56	A	1.43	A	5.49	A
Magnesium	mg/kg	108000	J2	87300	J2	134000	J2	51900	J2
Manganese	mg/kg	495	J2	975	J2	564	J2	522	J2
Nickel	mg/kg	816	J2/N	1220	J2/N	1320	J2/N	437	J2/N
Potassium	mg/kg	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	ND(500)	A/U	806	A	680	A	774	A
Thallium	mg/kg	ND(0.06)	A/U	ND(0.06)	A/U	ND(0.06)	A/U	ND(0.06)	A/U
Vanadium	mg/kg	36.1	A	39.1	A	27.1	A	42.8	A
Zinc	mg/kg	52.5	J2	35.2	J2	31.7	J2	60.8	J2
Molybdenum	mg/kg	0.6	B	0.39	B	0.5	A	0.64	B
EPA-9045									
pH	ph	8.05	J5	8.35	J5	8.2	J5	8.4	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B070		IR05B075		IR05B075		IR05B075
Sample Depth(feet):		50.50		1.25		3.25		5.75
Sample Number:		9047G525		9048H517		9048H518		9048H519
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/20/90		11/30/90		11/30/90		11/30/90
Lab Sample Number:		69135		9012004-01C		9012004-02C		9012004-03C
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.095	J5	0.57	J5	0.15	J5	ND(0.1)	R1/U
CLP-FUAA									
Arsenic	mg/kg	6.5	J3/SN *	5.2	A	6.2	W	8.4	A
Lead	mg/kg	7.6	A	NA		NA		NA	
Selenium	mg/kg	ND(1.38)	J3/WN	ND(0.5)	J3/NWU	ND(0.5)	J3/NWU	ND(0.5)	J3/NU
Thallium	mg/kg	ND(1.38)	W	ND(1)	WU	ND(1)	A/U	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	ND(33.2)	A	12400	A	14000	A	14200	A
Antimony	mg/kg	62.3	J3/N	9.4	J3/*	ND(6)	J3/U	ND(6)	J3/U
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	37.4	B	64.9	J3/N	67.4	J3/N	112	J3/N
Beryllium	mg/kg	0.59	B	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	2.2	A	1.3	A	ND(0.5)	A/U	ND(0.5)	A/U
Calcium	mg/kg	2660	A	7550	A	10100	A	6400	A
Chromium	mg/kg	60.8	A	148	*	157	*	392	*
Cobalt	mg/kg	18.3	A	14.1	A	23.6	A	39	A
Copper	mg/kg	38.4	A	197	A	45.1	A	28.8	A
Iron	mg/kg	31300	A	71800	J2/*	37400	J2/*	37800	J2/*
Lead	mg/kg	NA		351	J2/*	ND(10)	J2/U	ND(10)	J2/U
Magnesium	mg/kg	11100	A	16700	A	39800	A	59100	A
Manganese	mg/kg	325	A	670	A	402	A	507	A
Nickel	mg/kg	75.1	A	97	J3/N	254	J3/N	509	J3/N
Potassium	mg/kg	2640	A	663	A	1410	A	903	A
Silver	mg/kg	ND(1.38)	A	1	J3	ND(1)	J3/U	ND(1)	J3/U
Sodium	mg/kg	2630	A	ND(500)	A/U	821	A	1050	A
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	60.5	A	47	A	45.5	A	48.8	A
Zinc	mg/kg	70.6	A	637	A	305	A	55.2	A
Molybdenum	mg/kg	4.2	A	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U
EPA-9045									
pH	ph	8.3	A	7.3	J5	7.95	J5	8.65	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		2	A	NA		ND(1)	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:	IR05B075		IR05B075		IR05B079		IR05B079	
Sample Depth(feet):	10.75		15.75		1.00		2.50	
Sample Number:	9048H520		9048H521		9047G510		9047G511	
Matrix:	SOIL		SOIL		SOIL		SOIL	
Sample Date:	11/30/90		11/30/90		11/19/90		11/19/90	
Lab Sample Number:	9012004-04C		9012004-05B		9011145-07C		9011145-08C	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	R1/U	ND(0.1)	R1/U	ND(0.1)	A/U	ND(0.1)	A/U
CLP-FUAA									
Arsenic	mg/kg	11	A	5.7	A	NA		NA	
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	J3/NWU	ND(0.5)	J3/NWU	0.5	J3/W	ND(0.5)	J3/U
Thallium	mg/kg	ND(1)	WU	ND(1)	A/U	NA		NA	
CLP-ICP									
Aluminum	mg/kg	13200	A	16300	A	2930	A	6160	A
Antimony	mg/kg	ND(6)	J3/U	ND(6)	J3/U	ND(0.2)	A/U	ND(0.2)	A/U
Arsenic	mg/kg	NA		NA		2.23	A	2.38	A
Barium	mg/kg	23.5	J3/N	32.9	J3/N	20.2	A	45.9	A
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	0.69	A
Cadmium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	7.79	A	6.19	A
Calcium	mg/kg	20900	A	5020	A	1630	A	7100	A
Chromium	mg/kg	110	*	1080	*	745	N	665	N
Cobalt	mg/kg	11.3	A	21.2	A	81.2	J3	80.7	J3
Copper	mg/kg	21.3	A	22.2	A	7.79	A	19.4	A
Iron	mg/kg	33800	J2/*	51100	J2/*	34500	A	35200	A
Lead	mg/kg	ND(10)	J2/U	ND(10)	J2/U	0.72	B	3.74	A
Magnesium	mg/kg	9750	A	12400	A	208300	J2	180100	J2
Manganese	mg/kg	281	A	416	A	704	J2	674	J2
Nickel	mg/kg	58.8	J3/N	388	J3/N	1800	J2/N	1646	J2/N
Potassium	mg/kg	3210	A	3860	A	ND(500)	A/U	ND(500)	A/U
Silver	mg/kg	ND(1)	J3/U	ND(1)	J3/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	5750	A	6170	A	ND(500)	A/U	ND(500)	A/U
Thallium	mg/kg	NA		NA		ND(0.06)	A/U	ND(0.06)	A/U
Vanadium	mg/kg	44.4	A	52.9	A	19.3	A	29.2	A
Zinc	mg/kg	65.3	A	80.6	A	30.9	J2	42	J2
Molybdenum	mg/kg	ND(10)	A/U	ND(10)	A/U	0.48	B	0.53	B
EPA-9045									
pH	ph	8.5	J5	8.65	J5	8.15	J5	8.45	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		ND(1)	A	10	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B079		IR05B079		IR05B079		IR05B081
Sample Depth(feet):		5.00		10.50		15.50		0.50
Sample Number:		9047G512		9047G513		9047G514		9047G530
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/19/90		11/19/90		11/19/90		11/21/90
Lab Sample Number:		9011145-09C		9011145-10C		9011145-11B		9011159-05C
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	A/U	ND(0.1)	A/U	ND(0.1)	A/U	0.33	J5
CLP-FUAA									
Arsenic	mg/kg	NA		NA		NA		3.5	J3/*
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	J3/U	0.9	J3/W	1.5	J3/W	ND(0.5)	A/U
Thallium	mg/kg	NA		NA		NA		ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	14300	A	19100	A	17800	A	9260	A
Antimony	mg/kg	ND(0.2)	A/U	ND(0.2)	A/U	0.38	B	NA	
Arsenic	mg/kg	6.61	A	15	A	19.6	A	NA	
Barium	mg/kg	111	A	38.2	A	39.7	A	123	*
Beryllium	mg/kg	0.83	A	0.94	A	0.71	B	0.8	A
Cadmium	mg/kg	7.32	A	8.11	A	8	A	3.7	*
Calcium	mg/kg	8850	A	5000	A	8220	A	212	N
Chromium	mg/kg	616	N	92.3	N	84.1	N	11500	A
Cobalt	mg/kg	59	J3	16.2	J3	12	J3	43.3	A
Copper	mg/kg	48.4	A	36.2	A	77.5	A	124	N
Iron	mg/kg	35600	A	34800	A	37000	A	29700	A
Lead	mg/kg	3.51	A	8.92	A	8.61	A	103	A
Magnesium	mg/kg	137100	J2	12800	J2	11700	J2	48600	A
Manganese	mg/kg	843	J2	368	J2	335	J2	907	N
Nickel	mg/kg	1210	J2/N	80.1	J2/N	80.9	J2/N	584	N
Potassium	mg/kg	ND(500)	A/U	3200	A	3300	A	ND(500)	A/U
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	ND(500)	A/U	3800	A	4400	A	ND(500)	A/U
Thallium	mg/kg	ND(0.06)	A/U	0.14	B	0.21	B	NA	
Vanadium	mg/kg	46	A	48.7	A	47	A	44.5	N
Zinc	mg/kg	53.3	J2	79.4	J2	98.7	J2	294	*
Molybdenum	mg/kg	0.63	B	0.87	B	1.72	B	1.14	B
EPA-9045									
pH	ph	8.75	J5	8.95	J5	8.8	J5	8.75	J5
EPA-600/M482020									
Chrysotile Asbestos	%	15	A	NA		NA		1	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B081		IR05B081		IR05B081		IR05B081	
Sample Depth(feet):		2.50		5.00		10.00		15.50	
Sample Number:		9047G531		9047G532		9047G533		9047G534	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/21/90		11/21/90		11/21/90		11/21/90	
Lab Sample Number:		9011159-06C		9011159-07C		9011159-08C		9011159-09B	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.14	J5	ND(0.1)	R1/U	ND(0.1)	R1/U	ND(0.1)	R1/U
CLP-FUAA									
Arsenic	mg/kg	6.6	J3/*	2.2	J3/W*	1.5	J3/*	ND(1)	J3/*U
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	A/U	ND(0.5)	WU	ND(0.5)	A/U	ND(0.5)	WU
Thallium	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	16400	A	5690	A	5490	A	2510	A
Antimony	mg/kg	NA		NA		NA		NA	
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	272	*	64.7	*	24.4	*	ND(20)	*U
Beryllium	mg/kg	2	A	0.8	A	0.5	A	0.5	A
Cadmium	mg/kg	3.2	*	3.8	*	1.8	*	4.5	*
Calcium	mg/kg	208	N	643	N	169	N	490	N
Chromium	mg/kg	10900	A	6970	A	4400	A	1030	A
Cobalt	mg/kg	26.4	A	77.2	A	24.6	A	68.3	A
Copper	mg/kg	50.2	N	80	N	17.5	N	11	N
Iron	mg/kg	30900	A	36600	A	14300	A	34500	A
Lead	mg/kg	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U
Magnesium	mg/kg	28800	A	158700	A	51400	A	161200	A
Manganese	mg/kg	1280	N	837	N	326	N	676	N
Nickel	mg/kg	347	N	1470	N	492	N	1650	N
Potassium	mg/kg	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	ND(500)	A/U	ND(500)	A/U	639	A	1600	A
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	152	N	36.4	N	18	N	17.5	N
Zinc	mg/kg	68.5	*	62.7	*	29	*	30	*
Molybdenum	mg/kg	0.8	B	1.43	B	0.44	B	0.64	B
EPA-9045									
pH	ph	8.6	J5	9.05	J5	8.55	J5	8.35	J5
EPA-600/M482020									
Chrysotile Asbestos	%	1	A	NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B081		IR05B081		IR05MW73A		IR05MW73A
Sample Depth(feet):		20.50		25.50		0.75		2.75
Sample Number:		9047G535		9047G536		9048H499		9048H500
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/21/90		11/21/90		11/29/90		11/29/90
Lab Sample Number:		9011159-10B		9011159-11B		9012001-01C		9012001-02C
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	R1/U	ND(0.1)	R1/U	0.25	J5	0.67	J5
CLP-FUAA									
Arsenic	mg/kg	8.5	J3/*	14.4	J3/*	1.3	NW*	2.2	NW*
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	2	W	772	S+	ND(0.5)	J3/NWU	ND(0.5)	J3/WU
Thallium	mg/kg	ND(1)	A/U	1100	A	ND(1)	A/U	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	14100	A	18700	A	5777	A	9374	A
Antimony	mg/kg	NA		NA		12.3	J23	ND(6)	J23/U
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	34.6	*	204	*	35.1	J3/N	493	J3/N
Beryllium	mg/kg	1	A	21.8	A	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	4.2	*	21.5	*	ND(0.5)	A/U	ND(0.5)	A/U
Calcium	mg/kg	481	N	160	N	3881	A	13300	A
Chromium	mg/kg	3070	A	10000	A	246	J3	225	J3
Cobalt	mg/kg	14.7	A	205	A	67.5	A	41	A
Copper	mg/kg	31	N	132	N	52.9	J2/*	56.1	J2/*
Iron	mg/kg	31800	A	39000	A	35900	A	30600	A
Lead	mg/kg	11.1	A	203	A	35	J2/*	14.5	J2/*
Magnesium	mg/kg	11400	A	13000	A	125000	A	100700	A
Manganese	mg/kg	356	N	525	N	914	J3	948	J3
Nickel	mg/kg	196	N	278	N	946	J3	691	J3
Potassium	mg/kg	2900	A	3300	A	ND(500)	A/U	ND(500)	A/U
Silver	mg/kg	ND(1)	A/U	12.4	A	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	5250	A	7800	A	ND(500)	A/U	ND(500)	A/U
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	38.2	N	235	N	29.1	A	44.5	A
Zinc	mg/kg	66.9	*	275	*	124	A	60.7	A
Molybdenum	mg/kg	1.77	B	1.73	B	ND(10)	A/U	ND(10)	A/U
EPA-9045									
pH	ph	8.4	J5	8.9	J5	7.3	J5	8.15	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		3	A	3	A

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05MW73A		IR05MW73A		IR05MW73A		IR05MW73A
Sample Depth(feet):		5.75		10.75		15.75		20.75
Sample Number:		9048H501		9048H502		9048H503		9048H504
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/29/90		11/29/90		11/29/90		11/29/90
Lab Sample Number:		9012001-03C		9012001-04C		9012001-05B		9012001-06B
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	R1/U	ND(0.1)	R1/U	ND(0.1)	R1/U	0.14	J5
CLP-FUAA									
Arsenic	mg/kg	ND(1)	NW*U	ND(1)	N*U	1.7	W*	2.1	NW*
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	J3/WU	ND(0.5)	J3/WU	ND(0.5)	J3/WU	ND(0.5)	J3/WU
Thallium	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	WU	ND(1)	WU
CLP-ICP									
Aluminum	mg/kg	10500	A	2500	A	7440	A	5560	A
Antimony	mg/kg	ND(6)	J23/U	ND(6)	J23/U	ND(6)	J23/U	8	J23
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	ND(20)	J3/NU	40.7	J3/N	ND(20)	J3/NU	14.4	BJ3/N
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Calcium	mg/kg	1400	A	774	A	278400	A	309200	A
Chromium	mg/kg	420	J3	344	J3	27.9	J3	19	J3
Cobalt	mg/kg	58	A	86.1	A	ND(5)	A/U	ND(5)	A/U
Copper	mg/kg	5	J2/*	7.8	J2/*	9.6	J2/*	6.1	J2/*
Iron	mg/kg	34200	A	32700	A	10900	A	8620	A
Lead	mg/kg	ND(10)	J2/*U	ND(10)	J2/*U	ND(10)	J2/U	ND(10)	J2/U
Magnesium	mg/kg	148700	A	153700	A	5490	A	5090	A
Manganese	mg/kg	639	J3	698	J3	170	J3	223	J3
Nickel	mg/kg	926	J3	1130	J3	26.8	J3	20.6	J3
Potassium	mg/kg	ND(500)	A/U	ND(500)	A/U	1534	A	1210	A
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	ND(500)	A/U	3010	A	5404	A	6380	A
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	40.1	A	20.4	A	20.5	A	14.7	A
Zinc	mg/kg	27.9	A	61.5	A	27.7	A	20.9	A
Molybdenum	mg/kg	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U	ND(10)	A/U
EPA-9045									
pH	ph	9	J5	7.65	J5	8.65	J5	8.4	J5
EPA-600/M482020									
Chrysotile Asbestos	%	5	A	NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05MW74A		IR05MW74A		IR05MW74A		IR05MW74A
Sample Depth(feet):		1.00		3.00		5.25		10.25
Sample Number:		9048H491		9048H492		9048H493		9048H494
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/28/90		11/28/90		11/28/90		11/28/90
Lab Sample Number:		9011192-08C		9011192-09C		9011192-10C		9011192-11C
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	R1/U	0.26	J5	0.42	J5	ND(0.1)	R1/U
CLP-FUAA									
Arsenic	mg/kg	ND(1)	NWU	4.5	N	2	N	6.7	N
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	NWU	ND(0.5)	WU	ND(0.5)	NWU	ND(0.5)	NWU
Thallium	mg/kg	ND(1)	A/U	ND(1)	WU	ND(1)	WU	ND(1)	WU
CLP-ICP									
Aluminum	mg/kg	1900	A	17300	A	14100	A	25200	A
Antimony	mg/kg	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	ND(20)	A/U	107	A	70.4	A	101	A
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	4.3	A	5	A	3.8	A	16.2	A
Calcium	mg/kg	4500	A	12300	A	4300	A	10600	A
Chromium	mg/kg	330	J3	89.4	J3	81.2	J3	95.8	J3
Cobalt	mg/kg	55.1	A	17.5	A	11.5	A	26	A
Copper	mg/kg	7.6	*	129	*	13.3	*	45.5	*
Iron	mg/kg	25800	A	42700	A	29900	A	44200	A
Lead	mg/kg	ND(10)	J2/U	18.4	J2	ND(10)	J2/U	ND(10)	J2/U
Magnesium	mg/kg	119000	A	33100	A	5600	A	27500	A
Manganese	mg/kg	489	J3	558	J3	375	J3	652	J3
Nickel	mg/kg	651	J23/*	134	J23/*	72.5	J23/*	134	J23/*
Potassium	mg/kg	ND(500)	A/U	1800	A	698	A	2300	A
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	13.8	*	43.7	*	57	*	53.6	*
Zinc	mg/kg	20.4	*	99.6	*	34.9	*	83.3	*
Molybdenum	mg/kg	ND(10)	NU	ND(10)	NU	ND(10)	NU	ND(10)	NU
EPA-9045									
pH	ph	7.1	J5	8.35	J5	8.65	J5	8.3	J5
EPA-600/M482020									
Chrysotile Asbestos	%	2	A	5	A	NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05MW74A		IR05MW74A		IR05MW74A		IR05MW74A	
Sample Depth(feet):		15.75		20.50		25.50		30.50	
Sample Number:		9048H495		9048H496		9048H497		9048H498	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/28/90		11/28/90		11/28/90		11/28/90	
Lab Sample Number:		9011192-12B		9011192-13B		9011192-14B		9011192-15B	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-CVAA									
Mercury	mg/kg	0.32	J5	0.43	J5	0.2	J5	0.8	J5
CLP-FUAA									
Arsenic	mg/kg	2.2	+	4.2	S	6.2	N	6.3	+
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(1.5)	NU	ND(1.7)	NU	ND(0.5)	NWU	ND(0.5)	NWU
Thallium	mg/kg	ND(1)	WU	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	30300	A	23700	A	22400	A	22400	A
Antimony	mg/kg	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U	ND(6)	A/U
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	131	A	118	A	24.6	A	22.8	A
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	7.7	A	4.9	A	4.6	A	4	A
Calcium	mg/kg	60000	A	10900	A	4900	A	4800	A
Chromium	mg/kg	93.7	J3	179	J3	105	J3	649	J3
Cobalt	mg/kg	27.7	A	29.6	A	12.1	A	12.4	A
Copper	mg/kg	58.9	*	39.4	*	21.6	*	23.7	*
Iron	mg/kg	50300	A	47600	A	44800	A	43900	A
Lead	mg/kg	ND(10)	J2/U	11	J2	ND(10)	J2/U	ND(10)	J2/U
Magnesium	mg/kg	44800	A	72200	A	14400	A	14000	A
Manganese	mg/kg	1900	J3	1100	J3	360	J3	357	J3
Nickel	mg/kg	152	J23/*	365	J23/*	105	J23/*	154	J23/*
Potassium	mg/kg	914	A	1500	A	3900	A	3700	A
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	990	A	3000	A	5800	A	4600	A
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	49.2	*	48.1	*	49.9	*	53.8	*
Zinc	mg/kg	95.1	*	76.7	*	79.5	*	77.2	*
Molybdenum	mg/kg	ND(10)	NU	ND(10)	NU	ND(10)	NU	ND(10)	NU
EPA-9045									
pH	ph	8.5	J5	8.4	J5	8.65	J5	8.75	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05MW76A		IR05MW76A		IR05MW76A		IR05MW76A	
Sample Depth(feet):		1.00		2.50		5.00		15.50	
Sample Number:		9047G526		9047G527		9047G528		9047G529	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/20/90		11/20/90		11/20/90		11/20/90	
Lab Sample Number:		9011159-01C		9011159-02C		9011159-03C		9011159-04B	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	0.35	J5	0.39	J5	0.12	J5	ND(0.1)	R1/U
CLP-FUAA									
Arsenic	mg/kg	3.4	J3/N*	1.7	J3/*	2.7	J3/*	8.7	J3/S*
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	0.5	A	ND(0.5)	A/U	ND(0.5)	WU	ND(0.5)	A/U
Thallium	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
CLP-ICP									
Aluminum	mg/kg	15700	A	9810	A	5880	A	21900	A
Antimony	mg/kg	NA		NA		NA		NA	
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	54.8	*	113	*	85.2	*	41.1	*
Beryllium	mg/kg	0.6	A	0.5	A	ND(0.5)	A/U	0.9	A
Cadmium	mg/kg	3.5	*	2.7	*	1.8	*	5.5	*
Calcium	mg/kg	78.2	N	249	N	353	N	226	N
Chromium	mg/kg	5040	A	7600	A	6670	A	3820	A
Cobalt	mg/kg	13.8	A	41.8	A	34.6	A	16.3	A
Copper	mg/kg	64.8	N	54	N	76.1	N	37.4	N
Iron	mg/kg	34200	A	26650	A	14200	A	38800	A
Lead	mg/kg	49.1	A	27.9	A	12.3	A	ND(10)	A/U
Magnesium	mg/kg	16200	A	84400	A	18900	A	14300	A
Manganese	mg/kg	741	N	841	N	319	N	391	N
Nickel	mg/kg	100	N	737	N	217	N	125	N
Potassium	mg/kg	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U	3400	A
Silver	mg/kg	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U	ND(1)	A/U
Sodium	mg/kg	ND(500)	A/U	ND(500)	A/U	ND(500)	A/U	5600	A
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	47.7	N	37	N	17.8	N	55.5	N
Zinc	mg/kg	110	*	72.4	*	45.7	*	85.3	*
Molybdenum	mg/kg	0.76	B	0.64	B	0.81	B	1.38	B
EPA-9045									
pH	ph	7.5	J5	8.45	J5	10.85	J5	9.3	J5
EPA-600/M482020									
Chrysotile Asbestos	%	1	A	5	A	2	A	NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05MW77A		IR05MW77A		IR05MW77A		IR05MW77A
Sample Depth(feet):		1.00		3.00		5.50		15.50
Sample Number:		9048H455		9048H456		9048H457		9048H458
Matrix:		SOIL		SOIL		SOIL		SOIL
Sample Date:		11/26/90		11/26/90		11/26/90		11/26/90
Lab Sample Number:		9011173-01C		9011173-02C		9011173-03C		9011173-04B
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	0.41	J5	0.19	J5	ND(0.1)	R1/U	ND(0.1)	R1/U
CLP-FUAA									
Arsenic	mg/kg	2.8	A	6.1	A	2.1	NW	4.5	S+
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	J3/WU	ND(0.5)	J3/WU	ND(0.5)	J3/NU	ND(0.5)	J3/WU
Thallium	mg/kg	ND(1)	J3/WU	ND(1)	J3/WU	ND(1)	J3/NWU	ND(1)	J3/WU
CLP-ICP									
Aluminum	mg/kg	32200	A	29800	A	21500	A	16700	A
Antimony	mg/kg	NA		NA		NA		NA	
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	218	A	322	A	159	A	62.1	A
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	0.35	B	ND(0.15)	A/U	ND(0.15)	A/U	ND(0.15)	A/U
Calcium	mg/kg	157	J2/N	350	J2/N	473	J2/N	68.1	J2/N
Chromium	mg/kg	23100	A	18500	A	10200	A	150400	A
Cobalt	mg/kg	31.6	A	44.4	A	64.6	*	17	A
Copper	mg/kg	75.6	A	71.5	A	24.8	A	19.7	A
Iron	mg/kg	47600	A	48300	A	45900	A	19200	A
Lead	mg/kg	18.4	A	22.4	A	5.21	E*	4.95	A
Magnesium	mg/kg	41450	A	86800	A	132000	A	11000	A
Manganese	mg/kg	1350	A	1550	A	609	A	465	A
Nickel	mg/kg	199	N	556	N	1170	N	66.3	N
Potassium	mg/kg	3950	A	3900	A	1200	A	2200	A
Silver	mg/kg	ND(0.2)	A/U	ND(0.2)	A/U	ND(0.2)	A/U	ND(0.2)	A/U
Sodium	mg/kg	1200	A	972	A	1600	A	2400	A
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	95.8	A	69.8	A	54.2	E	48.2	A
Zinc	mg/kg	86.1	A	110	A	54.5	A	35.3	A
Molybdenum	mg/kg	ND(0.91)	U1/B	ND(2.15)	U1/B	ND(0.86)	U1/N	ND(1.33)	U1/B
EPA-9045									
pH	ph	8.25	J5	8.25	J5	8.65	J5	8.6	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		2	A	1	A	NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-6
Analytical Results for Inorganic Compounds Detected in Soil Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05MW77A		IR05MW77A		IR05MW77A		IR05MW77A	
Sample Depth(feet):		20.50		25.50		30.50		35.50	
Sample Number:		9048H459		9048H460		9048H461		9048H462	
Matrix:		SOIL		SOIL		SOIL		SOIL	
Sample Date:		11/26/90		11/26/90		11/26/90		11/26/90	
Lab Sample Number:		9011173-05B		9011173-06B		9011173-07B		9011173-08B	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-CVAA									
Mercury	mg/kg	ND(0.1)	R1/U	ND(0.1)	R1/U	0.14	J5	ND(0.1)	R1/U
CLP-FUAA									
Arsenic	mg/kg	ND(1)	J3/WU	ND(1)	J3/WU	ND(1)	J3/WU	3.5	A
Lead	mg/kg	NA		NA		NA		NA	
Selenium	mg/kg	ND(0.5)	J3/WU	ND(0.5)	J3/WU	ND(0.5)	J3/U	ND(0.5)	J3/U
Thallium	mg/kg	ND(1)	J3/WU	ND(1)	J3/WU	ND(1)	J3/WU	ND(1)	J3/WU
CLP-ICP									
Aluminum	mg/kg	32200	A	36300	A	31100	A	11600	A
Antimony	mg/kg	NA		NA		NA		NA	
Arsenic	mg/kg	NA		NA		NA		NA	
Barium	mg/kg	123	A	99.4	A	136	A	22.2	A
Beryllium	mg/kg	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U	ND(0.5)	A/U
Cadmium	mg/kg	0.69	B	2.78	A	0.92	B	0.32	B
Calcium	mg/kg	235	J2/N	296	J2/N	274	J2/N	45.1	J2/N
Chromium	mg/kg	36700	A	40600	A	24300	A	3060	A
Cobalt	mg/kg	30.6	A	38.1	A	55.5	A	11.6	A
Copper	mg/kg	54.8	A	47.6	A	35.5	A	14.9	A
Iron	mg/kg	46100	A	48700	A	60300	A	15600	A
Lead	mg/kg	3.78	A	2.47	A	2.42	A	4.72	A
Magnesium	mg/kg	45000	A	61600	A	93200	A	5700	A
Manganese	mg/kg	1030	A	1080	A	1172	A	125	A
Nickel	mg/kg	193	N	337	N	401	N	30.5	N
Potassium	mg/kg	1800	A	1300	A	2000	A	1900	A
Silver	mg/kg	0.4	B	ND(0.2)	A/U	ND(0.2)	A/U	ND(0.2)	A/U
Sodium	mg/kg	3000	A	3150	A	2100	A	1400	A
Thallium	mg/kg	NA		NA		NA		NA	
Vanadium	mg/kg	105	A	95.1	A	61.2	A	38.8	A
Zinc	mg/kg	75.6	A	69.9	A	46.2	A	32.5	A
Molybdenum	mg/kg	ND(1.36)	U1/B	ND(0.87)	U1/B	ND(0.5)	A/U	ND(0.73)	U1/B
EPA-9045									
pH	ph	9.05	J5	8.9	J5	8.7	J5	8.9	J5
EPA-600/M482020									
Chrysotile Asbestos	%	NA		NA		NA		NA	

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Validation Assigned Qualifiers

A: Data is acceptable based on a review of laboratory and field QC samples and holding times as discussed in the text.

J2: Analytical results for this compound are qualified as estimated due to laboratory matrix duplicate quality control criteria exceedances.

J3: Analytical results for this compound are qualified as estimated due to poor spike recoveries.

J4: Analytical results for this compound are qualified as estimated due to ICP-serial dilution relative percent difference quality control criteria exceedances.

J5: Analytical results for this compound are qualified as estimated due to holding time exceedances.

J6: Analytical results for this compound are qualified as estimated due to field duplicate quality control criteria exceedances.

R1: Analytical results for this compound are qualified as rejected due to holding time exceedances.

R2: Analytical results for this compound are qualified as rejected due to poor spike recoveries.

U1: Compound is qualified as non-detected due to its occurrence in the laboratory blanks.

U2: Compound is qualified as non-detected due to its occurrence in the field blanks.

V: Sample has undergone full CLP validation.

Laboratory Assigned Qualifiers

B: Reported value is less than the CRDL and greater than or equal to the instrument detection limit.

E: The serial dilution analysis did not meet the contractual requirement of +/- 10% (SOW 7/87 E-12)

G: Reporting limit raised due to matrix interference.

N: Spiked sample recovery not within control limits.

O: Reporting limit raised due to high level of analyte present in sample.

R: Reporting limit raised due to high level of analyte present in sample.

S: The reported value was determined by the Method of Standard Additions (MSA).

U: Compound was analyzed but not detected.

W: Post-digestion spike for furnace AA analysis is outside of control limits.

*: Duplicate analysis not within control limits.

+: Correlation coefficient for the MSA is less than 0.995.

Table B-7
Analytical Results for Organic Compounds Detected in Groundwater Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B051		IR05B057		IR05B063A		IR05B066	
Sample Depth(feet):		0.00		0.00		0.00		0.00	
Sample Number:		9049G544		9048H487		9046G500		9048H469	
Matrix:		H2O		H2O		H2O		H2O	
Sample Date:		12/03/90		11/28/90		11/16/90		11/27/90	
Lab Sample Number:		9012026-02A		9011191-01A		9011117-01G		9011185-01A	
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-VOC									
Acetone	ug/l	ND(10)	J5/U	ND(10)	J35/U	14	J35/B	ND(10)	J5/U
Carbon disulfide	ug/l	ND(5)	U2J5/J	ND(5)	J35/U	ND(5)	J35/U	ND(5)	J5/U
1,2-Dichloroethene (total)	ug/l	ND(5)	J5/U	ND(5)	J35/U	ND(5)	J35/U	ND(5)	J5/U
CLP-SOC									
Fluoranthene	ug/l	ND(10)	J5/U	6	J35/J	ND(40)	U	ND(10)	J5/U
Pyrene	ug/l	ND(10)	J5/U	6	J35/J	ND(40)	U	ND(10)	J5/U
Bis(2-ethylhexyl)phthalate	ug/l	ND(16)	U1J5	ND(10)	J35/U	ND(40)	U	ND(14)	U1J5/B
CLP-PEST/PCB									
Aroclor-1260	ug/l	ND(2)	J35/U	ND(2)	J35/U	ND(1.6)	J5/U	ND(1)	J5/U
TPH DIESEL									
TPH-Diesel	mg/l	ND(0.5)	U	2.7	A	ND(39)	U	ND(0.56)	U
OIL & GREASE									
Total Oil & Grease	mg/l	10.3	A	33	A	0.299	A	32.5	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-7
Analytical Results for Organic Compounds Detected in Groundwater Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B070		IR05B070		IR05MW73A		IR05MW74
Sample Depth(feet):		0.00		0.00		0.00		0.00
Sample Number:		9047G519		9047G520		9049J106		9049J099
Matrix:		H2O		H2O		H2O		H2O
Sample Date:		11/19/90		11/19/90		12/07/90		12/05/90
Lab Sample Number:		9011149-01A		9011149-02A		9012065-04A		9012057-01A
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC									
Acetone	ug/l	ND(19)	U1/B	ND(10)	U1/BJ	ND(10)	J5/U	ND(10)	J5/U
Carbon disulfide	ug/l	ND(5)	U	ND(5)	U	ND(5)	J5/U	8	J5
1,2-Dichloroethene (total)	ug/l	ND(5)	U	ND(5)	U	ND(5)	J5/U	ND(5)	J5/U
CLP-SOC									
Fluoranthene	ug/l	ND(20)	J5/U	ND(11)	J5/U	ND(10)	J5/U	ND(10)	J35/U
Pyrene	ug/l	ND(20)	J5/U	ND(11)	J5/U	ND(10)	J5/U	ND(10)	J35/U
Bis(2-ethylhexyl)phthalate	ug/l	ND(20)	J5/U	ND(11)	J5/U	9	J5/BJ	ND(10)	U1J35/B
CLP-PEST/PCB									
Aroclor-1260	ug/l	ND(2.4)	U	ND(2.2)	U	2.2	J5	ND(2)	J35/U
TPH DIESEL									
TPH-Diesel	mg/l	ND(0.55)	U	ND(0.56)	U	ND(0.5)	J5/U	ND(0.5)	U
OIL & GREASE									
Total Oil & Grease	mg/l	ND(5)	U	ND(5)	U	47.7	A	ND(5)	U

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Table B-7
Analytical Results for Organic Compounds Detected in Groundwater Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05MW76A		IR05MW76A		IR05MW77A	
Sample Depth(feet):		0.00		0.00		0.00	
Sample Number:		9049J103		9049J104		9049J102	
Matrix:		H2O		H2O		H2O	
Sample Date:		12/06/90		12/06/90		12/06/90	
Lab Sample Number:		9012065-01A		9012065-02A		9012064-02A	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-VOC							
Acetone	ug/l	ND(10)	U1J5/J	ND(10)	J5/U	ND(10)	J35/U
Carbon disulfide	ug/l	ND(5)	U2J5/J	ND(5)	J5/U	ND(5)	J35/U
1,2-Dichloroethene (total)	ug/l	ND(5)	J5/U	3	J5/J	ND(5)	J5/U
CLP-SOC							
Fluoranthene	ug/l	ND(10)	J5/U	ND(10)	J5/U	ND(10)	J5/U
Pyrene	ug/l	ND(10)	J5/U	ND(10)	J5/U	ND(10)	J5/U
Bis(2-ethylhexyl)phthalate	ug/l	ND(10)	U1J5/BJ	ND(10)	U1J5/BJ	ND(10)	J5/U
CLP-PEST/PCB							
Aroclor-1260	ug/l	ND(2)	J5/U	1.6	J5/J	ND(2)	J35/U
TPH DIESEL							
TPH-Diesel	mg/l	ND(0.5)	J5/U	ND(0.5)	J5/U	ND(0.5)	J35/U
OIL & GREASE							
Total Oil & Grease	mg/l	14.6	J6	ND(5)	J6/U	54.5	J3

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific reporting limit. Reporting limit is included in parenthesis.

Validation Assigned Qualifiers

A: Data is acceptable based on a review of laboratory and field QC samples and holding times as discussed in the text.

F: The presence of this compound is due to suspected field contamination.

J3: Analytical results for this compound are qualified as estimated due to poor spike recoveries.

J5: Analytical results for this compound are qualified as estimated due to holding time exceedances.

J7: Analytical results for this compound are qualified as estimated due to linearity problems in the initial calibration.

J8: Analytical results for this compound are qualified as estimated due to detection of the compound above the instrument calibration range.

R1: Analytical results for this compound are qualified as rejected due to holding time exceedances.

R2: Analytical results for this compound are qualified as rejected due to poor spike recoveries.

U1: Compound is qualified as non-detected due to its occurrence in the laboratory blanks.

U2: Compound is qualified as non-detected due to its occurrence in the field blanks.

V: Sample has undergone full CLP validation.

Laboratory Assigned Qualifiers

B: Compound is also detected in the laboratory method blank.

#,b: Analytical results should not be considered reliable for this common lab contaminant.

D: Compound is identified in an analysis at a secondary dilution factor.

E: Concentration exceeds the calibration range of the GC/MS instrument for the specific analysis.

G: Reporting limit raised due to matrix interference.

J: Result is detected below the reporting limit or is an estimated concentration.

j: All reporting limits for this sample raised due to matrix interferences.

l: If 'l' is attached to a diesel result, then either the hydrocarbons present in this sample represent an unknown mixture at a concentrtion of less than 45 mg/kg, or the hydrocarbons present in this sample do not fit the diesel pattern, but are found in the diesel range. (Quantification was based upon diesel references.) If 'l' is attached to a gasoline result, then this sample contains late eluting hydrocarbons. Early gasoline peaks are below reporting limits.

o: Reporting limit raised due to high level of analyte present in sample.

Laboratory Assigned Qualifiers (Continued...)

r: Reporting limit changed due to sample volume limitations.

U: Compound was analyzed but not detected.

X,Y: Specific flag used to properly define the results. Qualifier is fully described in the Sample Data Summary Package and the Case Narrative.

Table B-8
Analytical Results for Inorganic Compounds Detected in Groundwater Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B051		IR05B057		IR05B063A		IR05B066
Sample Depth(feet):		0.00		0.00		0.00		0.00
Sample Number:		9049G544		9048H487		9046G500		9048H469
Matrix:		H2O		H2O		H2O		H2O
Sample Date:		12/03/90		11/28/90		11/16/90		11/27/90
Lab Sample Number:		9012026-02C		9011191-01C		9011117-01C		9011185-01C
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-FUAA									
Antimony	ug/l	NA		11.2	B	ND(12)	U	5.2	B
Arsenic	ug/l	ND(3)	U	3.7	B	ND(8)	U	ND(3)	U
Lead	ug/l	ND(1)	J3/NWU	ND(1)	WU	NA		ND(1)	J3/U
Selenium	ug/l	75	N	ND(13)	U	ND(5)	U	ND(13)	U
CLP-ICP									
Aluminum	ug/l	ND(390)	U1	ND(70)	NU	ND(140)	U	ND(71)	U2J5/BN
Barium	ug/l	170	J3	2090	*	520	*	161	*
Cadmium	ug/l	ND(5)	J3/NU	ND(3)	U	1.1	B	ND(3)	U
Calcium	ug/l	175000	A	349000	A	99200	A	634000	A
Chromium	ug/l	ND(6)	U	ND(7)	U	ND(5.14)	U1J3/BN	ND(7)	U
Cobalt	ug/l	ND(20)	U	ND(20)	U	27.6	J3/BNE	ND(20)	U
Copper	ug/l	ND(7)	U	ND(13.9)	U2	ND(15)	U2/BE	ND(12.2)	U2
Iron	ug/l	47	B	10200	*	ND(22)	U	309	J2/*
Lead	ug/l	NA		NA		2.28	B	NA	
Magnesium	ug/l	ND(595000)	U1	1870000	A	399000	J2/*	1170000	A
Manganese	ug/l	756	A	6900	A	1860	A	4300	J3
Nickel	ug/l	54.1	A	42.3	*	106	A	30.1	*
Potassium	ug/l	113000	A	24300	A	27400	A	11400	A
Silver	ug/l	5.4	B	ND(5)	U	2.38	B	ND(5)	U
Sodium	ug/l	3592000	A	2610000	A	1225000	J2/*	1020000	A
Vanadium	ug/l	ND(12)	U	ND(12)	U	ND(24)	U	ND(12)	U
Zinc	ug/l	ND(22)	U1/*	ND(9)	U	38	J2	ND(11)	U1J2
Molybdenum	ug/l	ND(18)	NU	ND(32)	U	ND(64)	U	40.8	A
EPA-300.0									
Sulfate	mg/l	NA		NA		NA		NA	
Chloride	mg/l	NA		NA		NA		NA	
EPA-9045									
pH	ph	7.75	J5	6.8	J5	7.95	U1	7.25	A
EPA-160.1									
Total Dissolved Solids	mg/l	NA		NA		NA		NA	

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-8
Analytical Results for Inorganic Compounds Detected in Groundwater Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05B070		IR05B070		IR05MW73A		IR05MW74
Sample Depth(feet):		0.00		0.00		0.00		0.00
Sample Number:		9047G519		9047G520		9049J106		9049J099
Matrix:		H2O		H2O		H2O		H2O
Sample Date:		11/19/90		11/19/90		12/07/90		12/05/90
Lab Sample Number:		9011149-01C		9011149-02C		9012065-04D		9012057-01D
Test Method/Analyte Name	Units	value	qual	value	qual	value	qual	value	qual
CLP-FUAA									
Antimony	ug/l	8.5	B	ND(3)	U	NA		NA	
Arsenic	ug/l	ND(3)	U	15.4	W	ND(3)	WU	3.9	BW
Lead	ug/l	ND(1.3)	U1J3/BN	54	J3/NS	ND(1)	J3/NWU	ND(1)	J3/NU
Selenium	ug/l	ND(3)	U	ND(3)	U	27.7	J3/N	15	NU
CLP-ICP									
Aluminum	ug/l	ND(122)	U2J36/N	142000	J36/N	ND(217)	U2/B	ND(458)	U2
Barium	ug/l	245	J6/*	1340	J6/*	61.8	BN	334	J3
Cadmium	ug/l	ND(3)	U	ND(3)	U	8.6	A	ND(5)	J3/NU
Calcium	ug/l	150000	A	182000	A	87000	A	240000	A
Chromium	ug/l	ND(7)	J6/U	1970	J6	ND(6)	J3/NU	ND(6)	U
Cobalt	ug/l	ND(20)	J6/U	228	J6	ND(20)	U	ND(20)	U
Copper	ug/l	ND(7)	J6/U	188	J6	ND(7)	U	ND(7)	U
Iron	ug/l	ND(156)	U2J26/*	311000	J26/*	ND(18)	U	ND(319)	U2
Lead	ug/l	NA		NA		NA		NA	
Magnesium	ug/l	493000	J6	1013000	J6	275000	A	577000	A
Manganese	ug/l	550	J36	4000	J36	776	A	5650	A
Nickel	ug/l	72.4	J6	4100	J6	24	J3/BN	31.5	B
Potassium	ug/l	7730	J6	14800	J6	67000	A	19000	A
Silver	ug/l	ND(5)	U	ND(5)	U	ND(4)	J3/U	ND(4)	U
Sodium	ug/l	884000	A	878000	A	1857000	A	1173000	A
Vanadium	ug/l	ND(12)	U	429	A	ND(12)	U	ND(12)	U
Zinc	ug/l	35	J26/*	448	J26	ND(16)	U1/B	ND(16)	U1/B
Molybdenum	ug/l	ND(32)	U	ND(32)	U	ND(18)	U	ND(18)	NU
EPA-300.0									
Sulfate	mg/l	NA		NA		NA		185	A
Chloride	mg/l	NA		NA		4740	A	6130	A
EPA-9045									
pH	ph	7.8	J5	7.8	J5	7.65	J5	7.2	J5
EPA-160.1									
Total Dissolved Solids	mg/l	NA		NA		8323	J5	9500	J5

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Table B-8
Analytical Results for Inorganic Compounds Detected in Groundwater Samples
Old Transformer Storage Yard, Site IR-5
Hunters Point Annex

Station Number:		IR05MW76A		IR05MW76A		IR05MW77A	
Sample Depth(feet):		0.00		0.00		0.00	
Sample Number:		9049J103		9049J104		9049J102	
Matrix:		H2O		H2O		H2O	
Sample Date:		12/06/90		12/06/90		12/06/90	
Lab Sample Number:		9012065-01D		9012065-02D		9012064-02D	
Test Method/Analyte Name	**Units**	**value**	**qual**	**value**	**qual**	**value**	**qual**
CLP-FUAA							
Antimony	ug/l	NA		NA		NA	
Arsenic	ug/l	ND(3)	U	ND(3)	U	ND(3)	U
Lead	ug/l	2.7	J3/BN	2.1	J3/BN	ND(1)	J3/NWU
Selenium	ug/l	ND(30)	J3/NU	25.8	J3/N	ND(15)	J3/NWU
CLP-ICP							
Aluminum	ug/l	ND(319)	U2/*	ND(251)	U2/*	ND(316)	U2
Barium	ug/l	204	N	157	BN	71.1	B
Cadmium	ug/l	ND(5)	U	ND(5)	U	ND(5)	U
Calcium	ug/l	103000	A	102000	A	154000	A
Chromium	ug/l	6.7	J3/BN	9.2	J3/BN	6.1	J3/B
Cobalt	ug/l	ND(20)	U	ND(20)	U	ND(20)	U
Copper	ug/l	ND(7)	U	ND(7)	U	ND(7)	U
Iron	ug/l	ND(213)	U1	ND(40)	U1/B	ND(18)	U
Lead	ug/l	NA		NA		NA	
Magnesium	ug/l	402000	A	373000	A	452000	A
Manganese	ug/l	1410	A	1330	A	2000	A
Nickel	ug/l	77.3	J3/N	58.3	J3/N	20.6	J3/BN
Potassium	ug/l	32100	J6	ND(3050)	U1J6	65400	A
Silver	ug/l	ND(4)	J3/U	ND(4)	J3/U	9.4	J3/B
Sodium	ug/l	1187000	A	1105000	A	2243000	A
Vanadium	ug/l	ND(12)	U	ND(12)	U	ND(12)	U
Zinc	ug/l	25	A	ND(19)	U1/B	13	B
Molybdenum	ug/l	ND(18)	U	ND(18)	U	ND(18)	U
EPA-300.0							
Sulfate	mg/l	NA		NA		NA	
Chloride	mg/l	2500	A	2510	A	5630	A
EPA-9045							
pH	ph	7.5	A	7.5	J5	7.55	A
EPA-160.1							
Total Dissolved Solids	mg/l	197.1	J6	5513	J56	11420	A

Notes: Units expressed as micrograms (ug) or milligrams (mg) of chemical per liter (l) of water.
NA: Not Analyzed.
ND(): Not Detected at a specific detection limit. Limit of detection is included in parenthesis.

Validation Assigned Qualifiers

A: Data is acceptable based on a review of laboratory and field QC samples and holding times as discussed in the text.

J2: Analytical results for this compound are qualified as estimated due to laboratory matrix duplicate quality control criteria exceedances.

J3: Analytical results for this compound are qualified as estimated due to poor spike recoveries.

J4: Analytical results for this compound are qualified as estimated due to ICP-serial dilution relative percent difference quality control criteria exceedances.

J5: Analytical results for this compound are qualified as estimated due to holding time exceedances.

J6: Analytical results for this compound are qualified as estimated due to field duplicate quality control criteria exceedances.

R1: Analytical results for this compound are qualified as rejected due to holding time exceedances.

R2: Analytical results for this compound are qualified as rejected due to poor spike recoveries.

U1: Compound is qualified as non-detected due to its occurrence in the laboratory blanks.

U2: Compound is qualified as non-detected due to its occurrence in the field blanks.

V: Sample has undergone full CLP validation.

Laboratory Assigned Qualifiers

B: Reported value is less than the CRDL and greater than or equal to the instrument detection limit.

E: The serial dilution analysis did not meet the contractual requirement of +/- 10% (SOW 7/87 E-12)

G: Reporting limit raised due to matrix interference.

N: Spiked sample recovery not within control limits.

O: Reporting limit raised due to high level of analyte present in sample.

R: Reporting limit raised due to high level of analyte present in sample.

S: The reported value was determined by the Method of Standard Additions (MSA).

U: Compound was analyzed but not detected.

W: Post-digestion spike for furnace AA analysis is outside of control limits.

*: Duplicate analysis not within control limits.

+: Correlation coefficient for the MSA is less than 0.995.