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By Alameda County Environmental Health 2:24 pm, Apr 27, 2016

April 26, 2016

Alameda County Health Care Services Agency
Department of Health Services
1131 Harbor Bay Parkway
Alameda, CA 94502

Subject: AMG & Associates, LLC: Case File RO0003195

To Whom It May Concern:

My consultant in this case who is acting on my behalf is: Mr. Stuart G. Solomon of Phase-1 Environmental Services.

I declare under penalty of perjury that the information and/or recommendations contained in the attached documents; RO3195_Interim Update and Report_2016-04-25 and; RO3195_Site Management Plan_2016-04-25 are true and correct to the best of my knowledge.

Alexis M. Gevorgian

Phase-1
Environmental Services
5216 Harwood Road, San Jose, CA 95124

25 April 2016

Mr. Mark Detterman
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Subject: **Interim Update and Report – Case # RO3195**
AGM & Associates, 1424-1560 105th Avenue & 10550 International Boulevard, Oakland, California - Alameda County

This document provides a chronological historic outline overview of pertinent environmental activities at the Subject Property, and outlines the key results and current site conditions as they pertain to residential development and occupancy.

A) Reliability of Previous Environmental Studies:

1) Boring positioning for the Levine-Fricke (LFR) 2001 PEA performed at the RO3195 Property was based on their review of 10 reports on environmental work and studies that had been performed by multiple professionals at the Property, dating back to 1993. **Attachment A** contains a copy of the Introduction page from LFR's 2001 PEA. The complete PEA is on file with the ACHSA ("PSA_R_2001-10-03").
2) The previous Property environmental activities and investigation work was culminated in a Phase I ESA performed by ENSR Environmental for the Oakland Unified School District on October 25, 2000. The ENSR Phase I identified occupancies, practices and history of each of the parcels involved in RO3195.
3) LFR positioned their boring locations and performed analytical lab testing based on the recommendations made in the ENSER Phase I report. Pages 9, 10, and 11 of ENSR's Phase I ESA discuss recommended locations and logic of what constituents to test for. **Attachment B** contains copies of their recommendations and logic. The complete ENSR Phase I ESA is on file with the ACHSA.

B) Soil and Groundwater Sampling to date:

1) LFR advanced a total of 36 borings on the parcels being redeveloped for residential occupancy (RO3195 Properties), and collected a total of 164 soil samples from various depths on the parcels. Groundwater samples were collected from all of the sample points.
1) **Attachment C** is a recompilation of the sample tables from the LRF PEA showing sample depths, and the analytical laboratory analyses test data for each. The Tables include the excavation and sample details and data from the RO3151 clean-up performed in 2015. Residential Direct Exposure ESLs from the latest RWQCB 2016 database are displayed for each chemical of concern on each of the soil sample sheets. A screen shot of the 2016 RWQCB ESLs for direct exposure of each of the constituents of concern is on the last page of the Attachment.
2) **Attachment D** contains the supporting corresponding LFR Sample Analyses Summary & Analytical Lab Results Tables extracted from their 2001 PEA. The following applies:
   a) All of soil the samples were tested under EPA Method 8015 (modified) for Total Extractable and Total Purgeable Hydrocarbons - TPHg, TPHd, and TPHmo.

b) 64 of the samples were tested for VOC's, 70 for TPHms, 6 for TPHss and 103 for TPHpt. 6 were tested for PAHs. All 164 soil samples were tested for Metals. All Groundwater samples were tested for Extractable TPH, Purgeable TPH, VOCs, and Metals. 4 were tested for SVOCs.

C) LFR Human Health Screening Evaluation:

1) As part of their 2001 PEA, LFR performed a detailed study and assessment of all chemicals of concern found on site with respect to exposure, toxicity, and risks to humans and other ecological concerns. LFR's findings and conclusions are contained in **Attachment E**.
   a) Based on the findings of these studies, LFR concluded that there was one area of the Property where remedial action was warranted and recommended to prepare the Property for School occupancy. That area was at the southwest corner of the 1424 105th Ave. building, where borings BASB031, 070, and 071 were positioned, and elevated levels of TPH had been detected. The last page of **Attachment E** shows the area LFR recommends being excavated.

D) Remedial Action Proposed:

1) A "Draft Remedial Action Plan" (RAP) was submitted to the DTSC to perform soils excavation in the 1424 area. This document is on file with the ACHSA (DRAFT_RAP_R_2002-10-18). Over approximately 7 months following the Draft submittal, the DTSC responded with questions, comments and suggestions. In essence, over that 7 month period, the DTSC added 5 additional areas of concern at the Property that they wanted to be addressed. The school expansion project was dropped, so the Remedial Action Plan was not finalized, and no work was performed. Under its current zoning and uses, no remedial action was necessary.

E) Voluntary Clean-up and the Results:

1) In February of 2015, the Property Owner opened a Voluntary Clean-up Case with Alameda County Health Services Agency. This became Case No. RO3151. A work plan was submitted and approved by the County that covered the excavation recommended by LFR plus each of the five additional areas that the DTSC had requested be addressed.
   a) Five areas were excavated, and the contaminated soils properly disposed of. Samples were collected from each of the excavated areas. A sixth area where elevated Chromium had been detected was re-sampled, and tested for Chromium VI.
   b) **Attachment F** shows the 5 excavated areas with 3D drawings depicting the previous LFR sample results, and after-excavation results. The Tables show highlighted remaining chemical concentrations in soils from each of the areas. Results are shown on the last table in the Attachment.
   c) All excavated areas and the Chromium tested well below the current (2016) RWQCB residential direct exposure ESLs for each of the chemical constituents of potential concern.

F) Result - No Remaining Actionable Contamination:

1) TPH

a) None of the of the 164 soil samples collected from the 36 borings by LRF from areas not excavated in 2015 contained Total Recoverable TPH or Total Extractable TPH that exceed current residential direct exposure ESLs.

b) None of the soil samples collected from excavated areas during the RO3151 clean-up, contain Total Recoverable TPH or Total Extractable TPH that exceed current residential direct exposure ESLs.

2) VOCs and SVOCs:

a) No VOCs or SVOCs were detected in any of the soil samples on the Property that were analyzed for them.

3) Lead, Arsenic, and Cadmium:

a) Lead exceeding the 80 ppm ESL was detected in 4 of the soil samples collected by LRF in 2001 – the highest concentration being 160 PPM. One of those sample areas (BASB023) was excavated during the 2015 RO3151 – leaving 3 samples at the Property that exceed ESLs. Each of them are positioned at 1424 105th Ave.

b) Arsenic and Cadmium above ESLs were detected in all of the soil samples collected from the Property. Background levels for both of these constituents in the Oakland geographical area are known to exceed ESLs. Average concentrations of Ar is 3.67 mg/kg, with the highest being 7.8 mg/kg. Average Ca was 1.67, with the highest being 2.8 mg/kg.

i) Both Arsenic and Cadmium are within background ranges for this region based on numerous studies that have been conducted. **Attachment G** contains a "Survey of Studies on Naturally-Occurring Metals Concentrations" by the City of Oakland which confirms this.

ii) LFR's Exposure Assessment (**Attachment D**) determined that the levels of all metals detected in soil on site were within acceptable limits for direct human exposure.

G) 550 Gallon Waste Oil Tank Removal in 1993:

Some confusion has arisen in documents and historical studies at the Property concerning a 550 gallon waste oil tank that was removed in 1993. This tank was one of two that were excavated by Gen-Tech Environmental Services – the second one being a gasoline tank. The permit to remove these tanks had them both listed at 10500 E. 14th Street. The waste oil tank was actually positioned on the adjoining parcel at 10550 E. 14th Street. This error caused a number of subsequent studies to believe that there was a previous waste oil tank at the 10500 site, which was never the case. The gasoline tank, which was positioned on the 10500 property, had leaked, so a LUST case was opened. This became LOP Case 852. The waste oil tank pit soil and groundwater samples collected by Gen-Tech during its excavation were all well below residential ESL screening levels for all constituents analyzed. The following facts concerning this tank should help mitigate further confusion(s):

1) **Figure 1** shows the positioning of the former waste oil tank. This tank was removed on 1-15-1993 by Gen-Tech Environmental. Two soil samples (B-1 and B-2) were collected from the bottom of the tank excavation. A third boring (B-4) was advanced to groundwater, and a water sample collected. Figure 1 displays the respective sample positioning, the sample analytical test results, and the current ESLs for residential direct contact exposures for each of the chemical constituents. The ACHSA closed Case 852 in April of 1998 (see **Attachment** H). This closure document confirms the above statements.

2) In March, 2001, LFR advanced boring BASB028 directly off of the northwest corner of the former waste oil tank pit, and collected six soil samples at various depths, and a groundwater sample. The BASB028 boring location, sample depths, and analytical test results are displayed on **Figure 1**. As was the case during the Gen-Tech sampling event, all samples collected tested well below residential ESL screening levels for all constituents analyzed. Please refer to **Attachment C** for confirmation.

H) Planned Development Discussion:

1) A Site Management Plan has been submitted to the ACHCS in conjunction with this document that covers worker and public health & safety measures that will be employed during construction activities at the Property. This SMP will be added to and modified as needed as more detailed plans are available, such as sewer and electrical system trenching diagrams, etc..

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Respectfully submitted this 25th day of April, 2016.

Stuart G. Solomon, Consultant
ASTM Qualified Environmental Professional

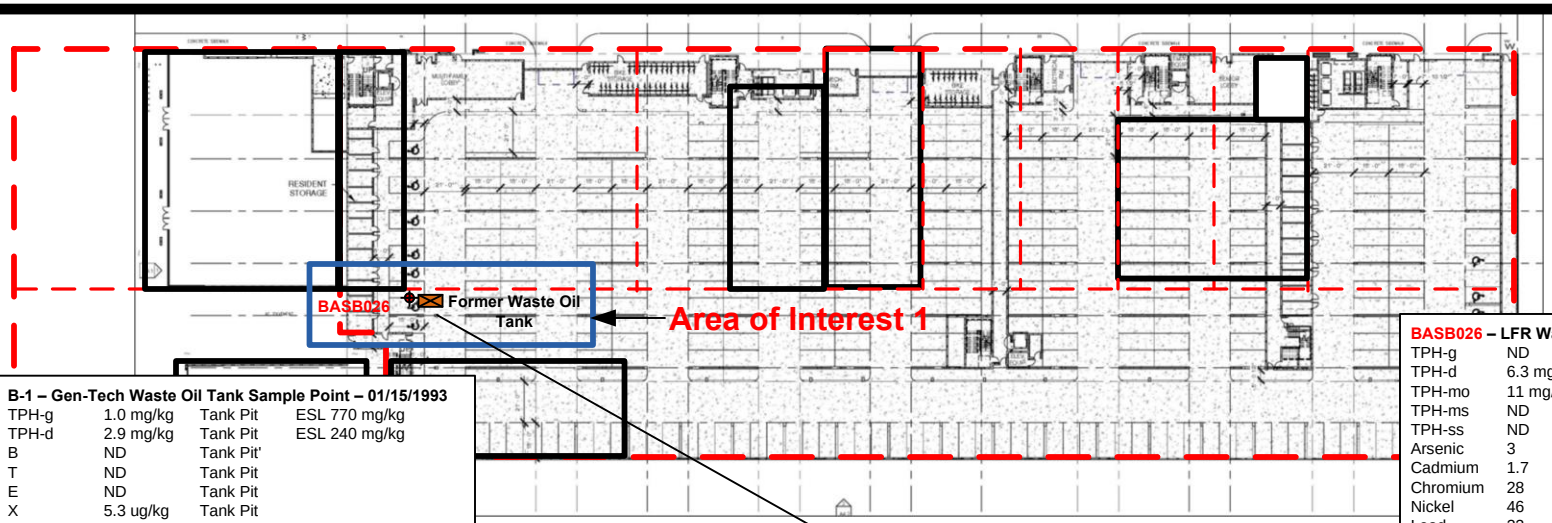
Figures:

1) **Environmental Area of Interest – Former Waste Oil Tank**
2) **Existing Site Plan Showing APNs**
3) **Historical Environmental Overview Showing all Boring Locations**
4) **Historical Overview Color Coded to LFR Areas 1 – 5**
5) **Overview w/Proposed Development Overlay**

Figure 5 shows the planned elevator shafts and borings and/or excavations in their vicinity where soil samples were collected. Analytics are displayed for each of these boring points on this Figure.

Attachments:

A) **LFR 2001 PEA Introduction**
B) **ENSR Environmental October 25, 2000 Phase I ESA Pages 9, 10, and 11**
C) **Recompilation of LRF Borings, Sampling, and Analytical Data Tables Including RO3151 2015 Excavations, 3D Drawings, and Sample Tables**
D) **Corresponding LFR Sample Analyses and Results Tables From the 2001 PEA**
E) **LFR Human Health Screening Evaluation, Exposure Assessment, Toxicity Assessment and Risk Characterization, and Ecological Screening Evaluation**
F) **RO3151 2015 Excavations, 3D Drawings, and Sample Tables**
G) **City of Oakland "Survey of Studies on Naturally-Occurring Metals Concentrations"**
H) **August 1998 ACHCS Fuel Leak Case Closure RO#852**



B-1 – Gen-Tech Waste Oil Tank Sample Point – 01/15/1993

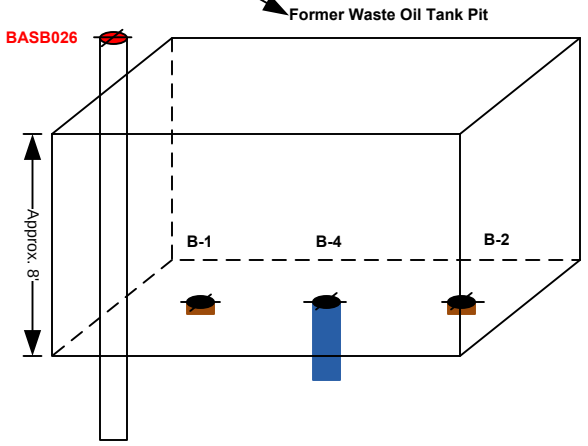
TPH-g	1.0 mg/kg	Tank Pit	ESL 770 mg/kg
TPH-d	2.9 mg/kg	Tank Pit	ESL 240 mg/kg
B	ND	Tank Pit'	
T	ND	Tank Pit	
E	ND	Tank Pit	
X	5.3 ug/kg	Tank Pit	
Oil & Grease	ND	Tank Pit	
Cadmium	ND	Tank Pit	ESL 0.014 mg/kg
Chromium	42 mg/kg	Tank Pit	ESL 120,000 mg/kg
Lead	15 mg/kg	Tank Pit	ESL 80 mg/kg
Nickel	45 mg/kg	Tank Pit'	ESL 83 mg/kg
Zink	42 mg/kg	Tank Pit	ESL 12,000 mg/kg

B-2 – Gen-Tech Waste Oil Tank Sample Point – 01/15/1993

TPH-g	ND	Tank Pit	ESL 770 mg/kg
TPH-d	39 mg/kg	Tank Pit	ESL 240 mg/kg
B	ND	Tank Pit'	
T	ND	Tank Pit	
E	ND	Tank Pit	
X	7.0 ug/kg	Tank Pit	
Oil & Grease	ND	Tank Pit	
Cadmium	ND	Tank Pit	ESL 0.014 mg/kg
Chromium	43 mg/kg	Tank Pit	ESL 120,000 mg/kg
Lead	16 mg/kg	Tank Pit	ESL 80 mg/kg
Nickel	50 mg/kg	Tank Pit'	ESL 83 mg/kg
Zink	45 mg/kg	Tank Pit	ESL 12,000 mg/kg

B-4 – Gen-Tech Groundwater Sample Point – 01/15/1993

TPH-g	1.0 ug/kg	Tank Pit
B	ND	Tank Pit
T	1.2 ug/kg	Tank Pit
E	7.2 ug/kg	Tank Pit
X	26 ug/kg	Tank Pit



BASB026 – LFR Waste Oil Tank Sample Point

TPH-g	ND	3.5'	ESL 770 mg/kg
TPH-d	6.3 mg/kg	3.5'	ESL 240 mg/kg
TPH-mo	11 mg/kg	3.5'	ESL 11,000 mg/kg
TPH-ms	ND	3.5'	N/A
TPH-ss	ND	3.5'	ESL 170 mg/kg
Arsenic	3	4'	ESL 0.67 mg/kg
Cadmium	1.7	4'	ESL 0.014 mg/kg
Chromium	28	4'	ESL 120,000 mg/kg
Nickel	46	4'	ESL 83 mg/kg
Lead	22	4'	ESL 80 mg/kg
Zink	46	4'	ESL 23,000 mg/kg

BASB026 – LFR Waste Oil Tank Sample Point

TPH-g	ND	9.5'	ESL 770 mg/kg
TPH-d	22 mg/kg	9.5'	ESL 240 mg/kg
TPH-mo	ND	9.5'	ESL 11,000 mg/kg
TPH-ms	ND	9.5'	N/A
TPH-ss	NA	9.5'	ESL 170 mg/kg
Arsenic	2.7	10'	ESL 0.67 mg/kg
Cadmium	1.5	10'	ESL 0.014 mg/kg
Chromium	33	10'	ESL 120,000 mg/kg
Nickel	45	10'	ESL 83 mg/kg
Lead	6.1	10'	ESL 80 mg/kg
Zink	36	10'	ESL 23,000 mg/kg

BASB026 – LFR Waste Oil Tank Sample Point

TPH-g	ND	24.5'	ESL 770 mg/kg
TPH-d	5.5 mg/kg	24.5'	ESL 240 mg/kg
TPH-mo	ND	24.5'	ESL 11,000 mg/kg
TPH-ms	ND	24.5'	N/A
TPH-ss	NA	24.5'	ESL 170 mg/kg
Arsenic	3.8	25'	ESL 0.67 mg/kg
Cadmium	1.7	25'	ESL 0.014 mg/kg
Chromium	38	25'	ESL 120,000 mg/kg
Nickel	57	25'	ESL 83 mg/kg
Lead	6.1	25'	ESL 80 mg/kg
Zink	37	25'	ESL 23,000 mg/kg

Legend

* Waste Oil Tank was removed by Gen-Tech Environmental 1/15/1993. Tank Closure Report is on file with Alameda County Environmental Health and also attached to this document.

Figure 1

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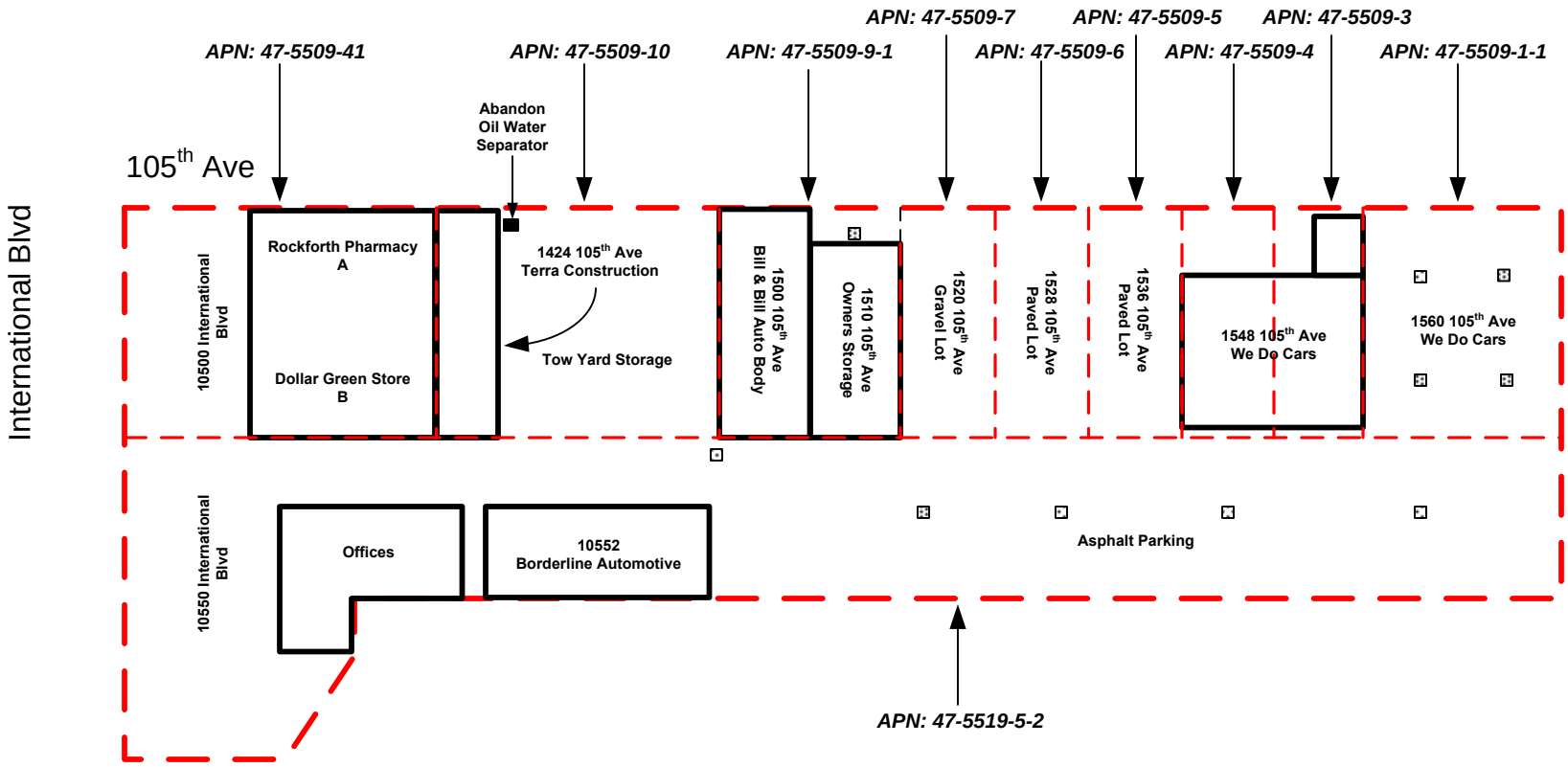
ENVIRONMENTAL AREA OF INTEREST 1
FORMER WASTE OIL TANK

International Blvd & 105th Ave

PES



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Drains

Figure 2

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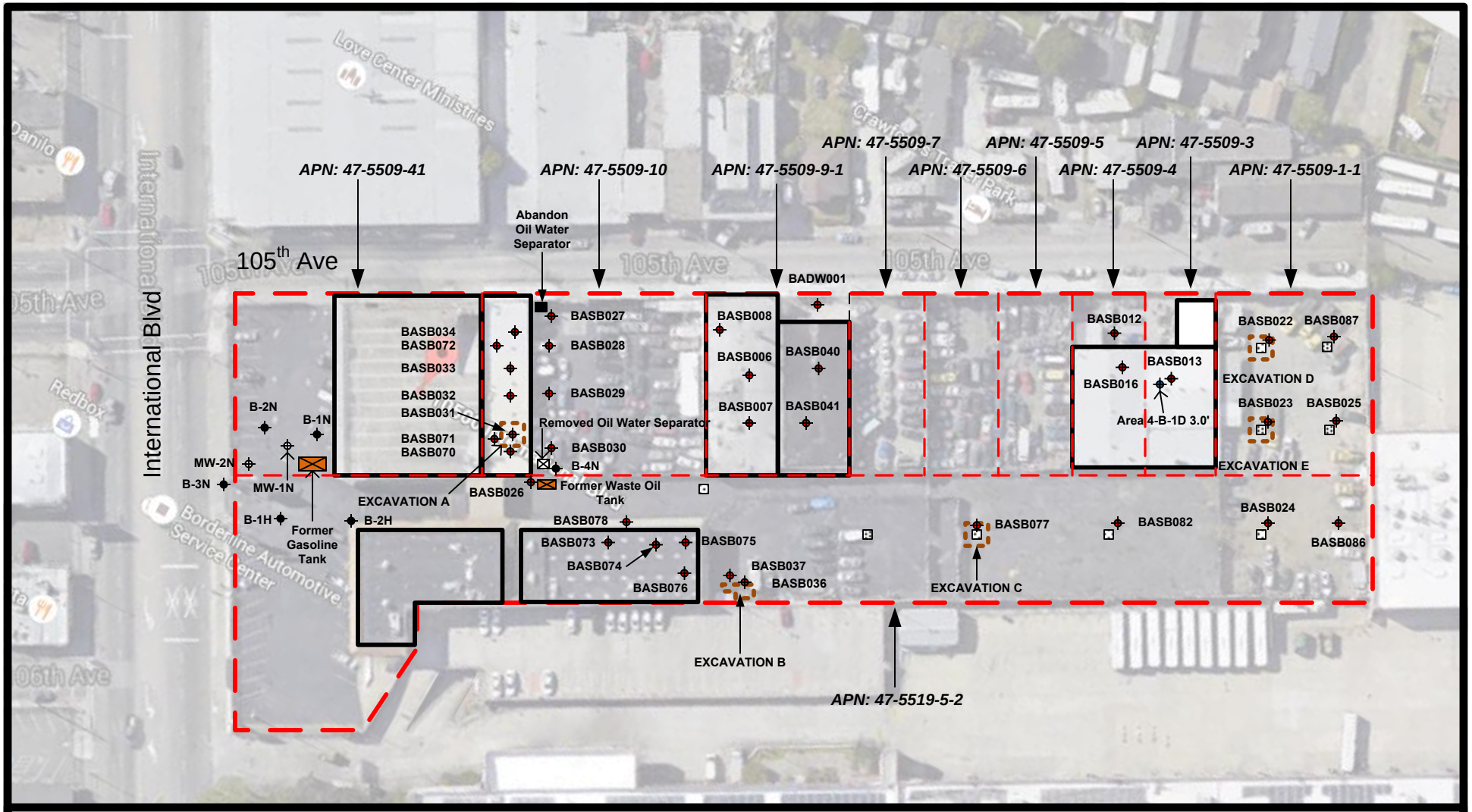
EXISTING SITE PLAN

International Blvd & 105th Ave

PES



Legend

LFR Boring Locations

Piers Environmental Boring Locations

Piers Environmental Previous Well Locations

Well Test Boring Location

Drains

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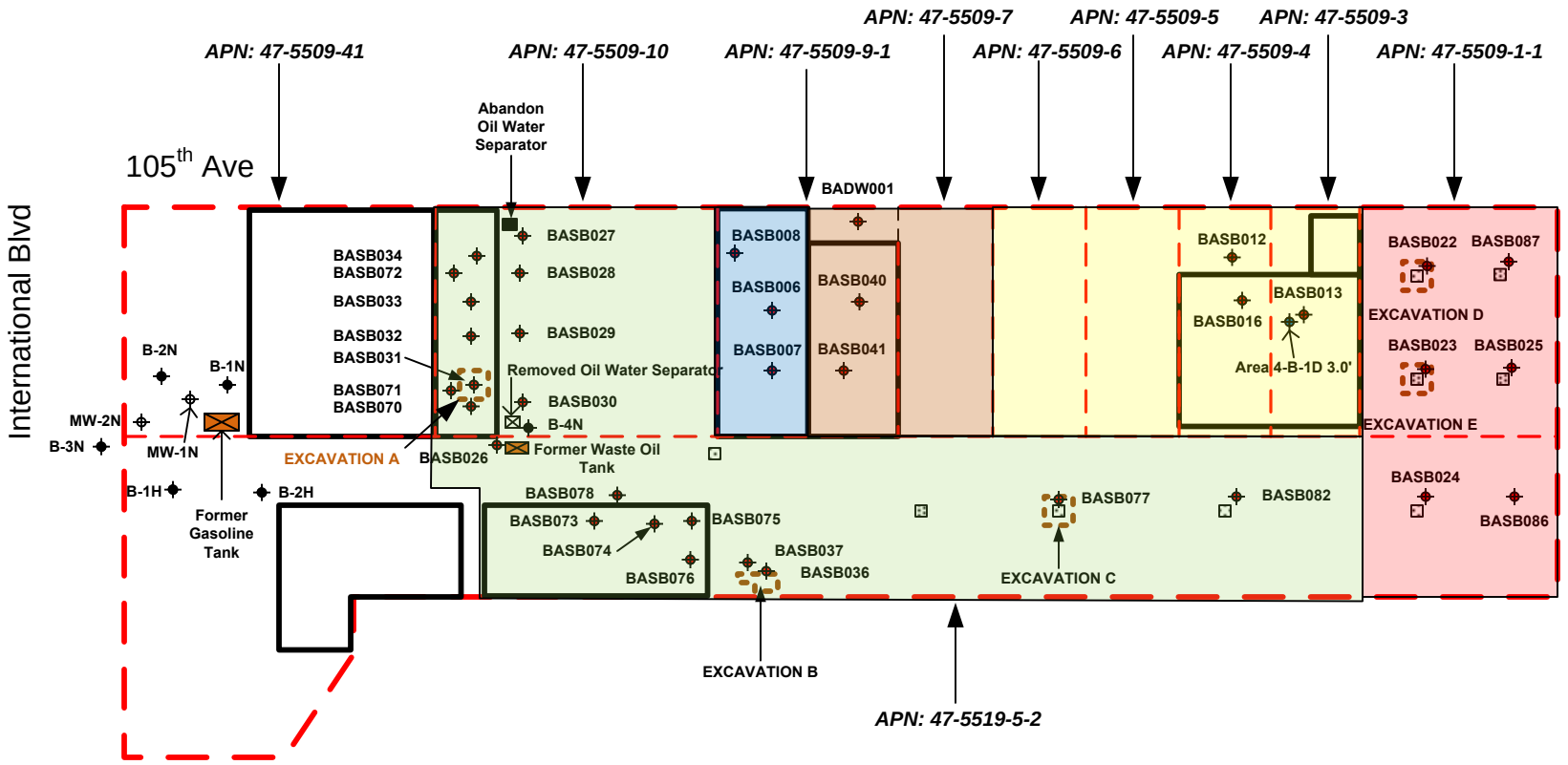
HISTORICAL ENVIRONMENTAL OVERVIEW

International Blvd & 105th Ave

Figure 3

PES



Legend

Area 1 - Area 2 - Area 3 - Area 4 - Area 5 -

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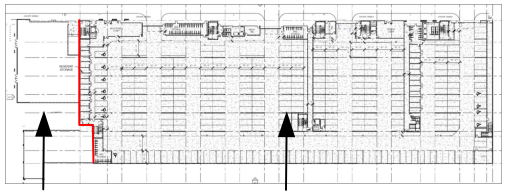
HISTORICAL ENVIRONMENTAL OVERVIEW w/ STUDY AREAS 1 THROUGH 5

International Blvd & 105th Ave

Figure 4

PES

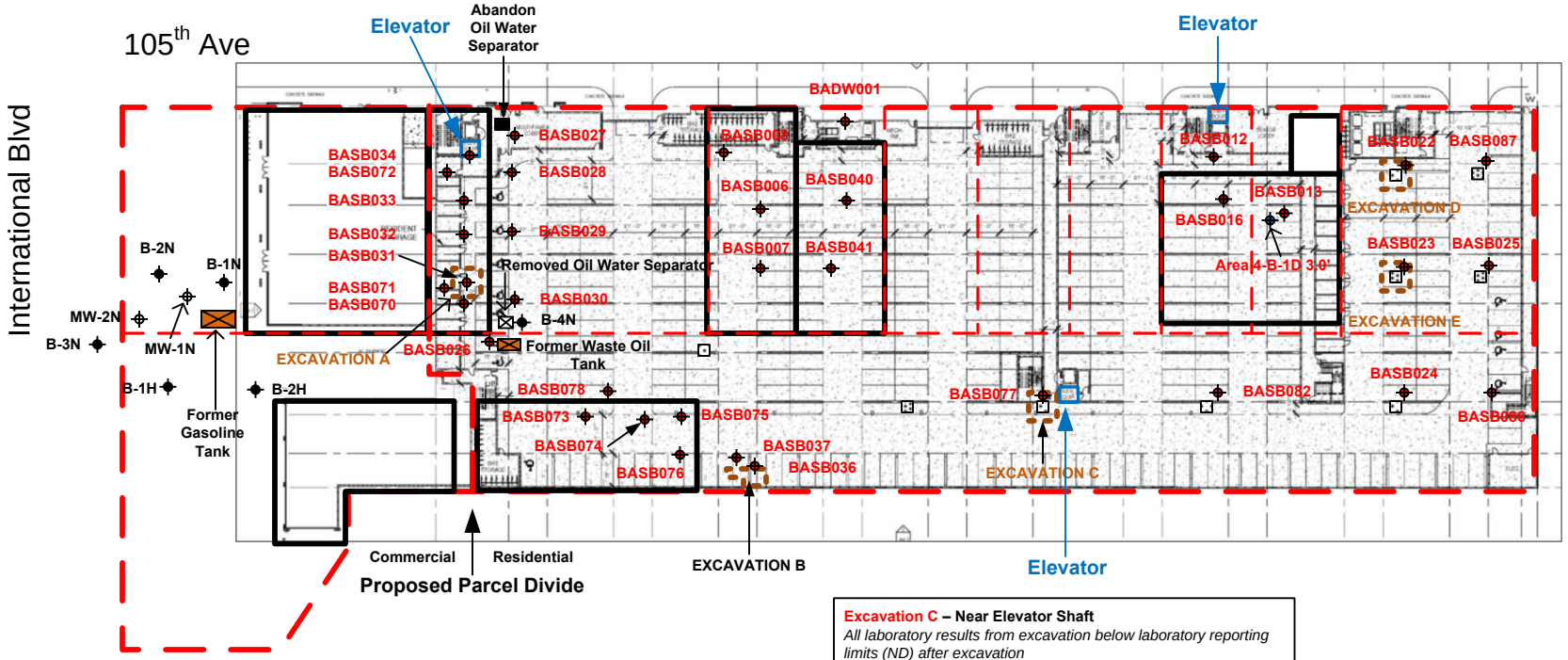


BASB034 – Near Elevator Shaft (Shallow Sample Results)

TPH-g	ND	3.5'	ESL 770 mg/kg
TPH-d	5 mg/kg	3.5'	ESL 240 mg/kg
TPH-mo	18 mg/kg	3.5'	ESL 11,000 mg/kg
TPH-ms	ND	3.5'	N/A
TPH-ss	ND	3.5'	ESL 170 mg/kg
Arsenic	5.7	4'	ESL 0.67 mg/kg
Cadmium	2	4'	ESL 0.014 mg/kg
Chromium	29	4'	ESL 120,000 mg/kg
Nickel	46	4'	ESL 83 mg/kg
Lead	24	4'	ESL 80 mg/kg
Zink	85	4'	ESL 23,000 mg/kg

BASB012 – Near Elevator Shaft (Shallow Sample Results)

TPH-g	NA	3.5'	ESL 770 mg/kg
TPH-d	6.6 mg/kg	3.5'	ESL 240 mg/kg
TPH-mo	22 mg/kg	3.5'	ESL 11,000 mg/kg
TPH-ms	NA	3.5'	N/A
TPH-ss	NA	3.5'	ESL 170 mg/kg
Arsenic	1.1	4'	ESL 0.67 mg/kg
Cadmium	2.7	4'	ESL 0.014 mg/kg
Chromium	5.1	4'	ESL 120,000 mg/kg
Nickel	20	4'	ESL 83 mg/kg
Lead	17	4'	ESL 80 mg/kg
Zink	93	4'	ESL 23,000 mg/kg



Excavation C – Near Elevator Shaft
All laboratory results from excavation below laboratory reporting limits (ND) after excavation
Refer to Well Test , Inc Report, samples collected 02/23/2015

Legend

LFR Boring Locations

Piers Environmental Boring Locations

Piers Environmental Previous Well Locations

Well Test Boring Location

Drains

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ENVIRONMENTAL OVERVIEW w/ PROPOSED DEVELOPMENT UNDERLAY

International Blvd & 105th Ave

Figure 5

PES

ATTACHMENT A

LFR 2001 PEA INTRODUCTION

(Excerpted from LFR "PSA_R_2001-10-03" Volume 1 - on file with ACHSA)

INTRODUCTION

During the preparation of the Preliminary Environmental Assessment (PEA) for the Oakland Unified School District Batarse Project Site ("the Site"), LFR Levine · Fricke (LFR) reviewed reports prepared for the Site by previous consultants. These reports included the following:

- "Underground Tank Technical Closure Report," prepared by Gen-Tech Environmental, dated March 26, 1993
- "Monitoring Well Installation and Sampling, Lloyd Wise Olds, 10440 East 14th Street, Oakland, California," prepared by Gen-Tech Environmental, dated May 6, 1993
- "Soil and Groundwater Investigation Site at 10440 and 10550 East 14th Street, Oakland, California," prepared by Gen-Tech Environmental, dated May 20, 1994
- "Overview of Environmental Conditions at 10550 East 14th Avenue Nissan/Honda Auto Dealership in Oakland, California," prepared by Gen-Tech Environmental, dated October 11, 1994
- "Monitoring Well Installation and Groundwater Sampling for Lloyd Wise Oldsmobile/Nissan, 10550 East 14th Street, Oakland, California," prepared by Piers Environmental Services, dated September 27, 1995
- "Limited Phase II Environmental Assessment and Groundwater Monitoring Report, 10500 East 14th Street, Oakland, California," prepared by Piers Environmental Services, dated March 13, 1997
- "Fuel Leak Site Case Closure for 10500 East 14th Street, Oakland," prepared by Alameda County Health Care Services Agency (ACHCSA), dated August 14, 1998
- "Phase I Environmental Assessment for 1500–1510 105th Avenue, Oakland, California," prepared by Piers Environmental Services, dated June 5, 1996
- "Phase I Environmental Assessment for 1520 105th Avenue, Oakland, California," prepared by Piers Environmental Services, dated August 27, 1998
- "Phase I Environmental Site Assessment Report, Batarse Project Site, East 14th Street and 105th Avenue, Oakland, California," prepared by ENSR Consulting and Engineering, dated October 2000 (ENSR 2000)

Information obtained from these reports is summarized below. The reports for the properties known as 10440 through 10550 East 14th Street detail work performed off site; however, information contained in these reports is summarized in this PEA to evaluate possible impacts to the Site.

ATTACHMENT B

ENSR Environmental October 25, 2000 Phase I ESA

Pages 9, 10, and 11

- Numerous regulated facilities were mapped by Vista Information Solutions, Inc. (Vista) within a 0.25-mile radius of the project site. Three of the regulated facilities are located adjacent to the site and have been included on the LUST List. These facilities have been granted case closure. Due to their proximity to the site, the releases on the adjacent parcels could have impacted the project site, in ENSR's opinion. It should be noted that case closure may have been granted with residual concentrations of chemicals of concern still present in soil and/or groundwater. These residual concentrations could present a concern to development of the project site with a school if migration onto the project site has occurred.

- Numerous additional regulated facilities were mapped by Vista within the specified search distances. In ENSR's opinion, releases at these facilities would be unlikely to impact the project site due to their distances, locations in cross- to downgradient directions, impacts to soil only and/or case closure being granted by regulatory agencies.

1.4 CONCLUSIONS AND RECOMMENDATIONS

- Soil and groundwater samples were collected from the reported area of the former waste oil UST and sump at 1424 105th Avenue. Soil and groundwater samples collected from the tank excavation in 1993 and a boring located in this area in 1997 revealed non-detectable to low levels of petroleum hydrocarbons and cadmium, chromium, lead, nickel and zinc. Since it is unclear as to whether a waste oil UST was present at this location in the past, ENSR recommends collection and analysis of groundwater samples from the area of the former waste oil UST to evaluate the presence of petroleum hydrocarbons, metals and volatile organic compounds (VOCs) as cleaning solvents were occasionally disposed of in waste oil tanks in the past.

- A subsurface oil/water separator and sump are present at 1424 105th Avenue. ENSR recommends that soil and groundwater samples be collected from the areas of the oil/water separator and sump to evaluate if leakage has occurred in the past.

- Underground hydraulic fluid reservoirs associated with the hydraulic lifts in the maintenance shops at 1424 105th Avenue and 10550 East 14th Street were removed in the mid 1980s. No stained or discolored soils were noted at that time, according to Mr. Rich. To evaluate if leakage from the reservoirs occurred in the past, ENSR recommends collection and analysis of soil samples from the areas around the former lifts.

- Due to the past history (dating back to the 1960s) of auto repair/vehicle maintenance at 1424 105th Avenue and in the service building at 10550 East 14th Street, consideration should be given to collection and analysis of soil and groundwater samples from the areas around these buildings.

- ENSR recommends collection and analysis of soil and groundwater samples from the area around 1500 105th Avenue to evaluate if past activities at the candy factory and photo development laboratory have impacted the subsurface.

- Collection and analysis of soil and groundwater samples from the areas around 1544/1548 105th Avenue should be performed to evaluate impacts, if any, to the subsurface from past activities at the manufacturing facility formerly located on these parcels.

- ENSR recommends collection and analysis of soil and groundwater samples from the area around 1429 through 1439 105th Avenue to evaluate if past or present activities by the site occupants have impacted the subsurface.

- Soil and groundwater samples should be collected for analysis from borings placed in the area of the former print shop (per Building Department Permits) at 1550 105th Avenue (former address for 1544 105th Avenue) to evaluate if past activities have impacted the subsurface.

- ENSR recommends that soil samples be collected for analysis from the vacant lot on the east side of 1520 105th Avenue and current residential parcels to evaluate if lead from exterior paints from the former residential buildings or pesticides applied during fumigation have impacted the shallow soils. In ENSR's opinion, elevated levels of lead and pesticides are unlikely to be present in shallow soils of the remaining lots that were residentially developed in the past due to likely removal of surface soils during redevelopment of these parcels.

- ENSR recommends collection and analysis of soil and groundwater samples from borings placed on the A/C Transit parcel to evaluate impacts to the project site from the A/C Transit vehicle wash building (i.e., leakage from chemical storage areas or subsurface oil/water separators).

- Soil samples should be collected from along the railroad tracks located on the A/C Transit and UPRR parcels to evaluate the subsurface conditions in these areas.

- The water well located at 1510 105th Avenue should be properly destroyed if still present at this location.

- Heating oil USTs may have been installed on the parcels that are occupied by residential buildings. Collection and analysis of soil and groundwater samples from parcels along 105th Avenue should be considered to evaluate current groundwater conditions.

- Based on the age of the on-site buildings, materials suspected of containing asbestos and lead-based paints (LBPs) are likely present. ENSR recommends that a building materials survey be conducted to establish if asbestos containing materials (ACMs) or LBPs are present prior to renovation or demolition of the buildings. ACMs and peeling/flaking LBPs should be removed by a California Occupational Safety and Health Administration (Cal/OSHA) registered contractor using appropriate worker protection.

- Fluorescent light ballasts in the on-site buildings may contain PCBs based on the ages of the buildings. A survey should be conducted to identify ballasts with PCBs so that these ballasts can be properly removed and disposed of during routine maintenance work or prior to renovation/demolition that would require their removal.

- In ENSR's opinion, the releases at facilities located adjacent to the site could have impacted the site. Consideration should be given to reviewing the files for these facilities at the regulatory agencies. The remaining releases mapped in the site vicinity would be unlikely to impact the project site, in ENSR's opinion, due to their distances, locations in cross- to downgradient directions, impacts to soil only and/or case closure being granted by regulatory agencies.

In conclusion, several significant environmental concerns were noted during ENSR's site reconnaissance or site history review. The findings are discussed in greater detail in the text of this report.

ENSR, as required by SB162, includes the following recommendation: A Preliminary Endangerment Assessment (PEA) is needed, including sampling or testing, to establish the following:

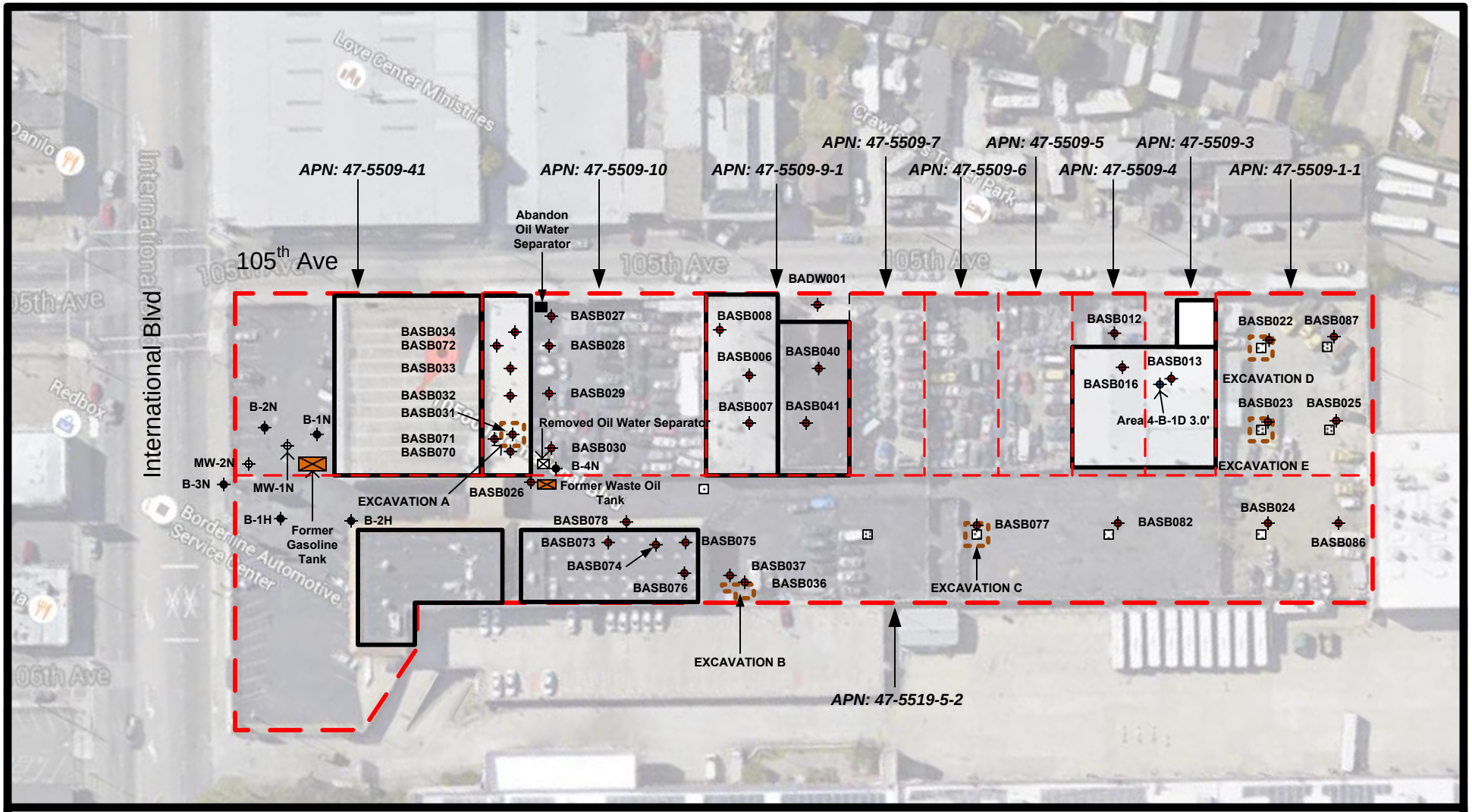
(A) The likelihood that a release of hazardous material has occurred and, if so, the extent of the release;

(B) If there is the threat of a release of hazardous materials; and

(C) If a naturally occurring hazardous material is present.

ATTACHMENT C

Recompilation of LFR Borings, Sampling, and Analytical Data Tables Including RO3151 Excavations, 3D Drawings, and Sample Tables



Legend

LFR Boring Locations

Piers Environmental Boring Locations

Piers Environmental Previous Well Locations

Well Test Boring Location

Drains

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HISTORICAL ENVIRONMENTAL OVERVIEW

International Blvd & 105th Ave

PES

Case No. RO3195 Soil Analytical Data - LFR 2001 PEA - TPH, VOCs, SVOCs - SF Bay 2016 Direct Exposure ESLs Shown in Red

LFR Area	Boring #	Depth (feet bgs)	TPH-g (mg/kg) ESL: 770	TPH-d (mg/kg) ESL: 240	TPH-mo (mg/kg) ESL: 11000	TPH-ms (mg/kg) No ESL	TPH-ss (mg/kg) ESL: 170	VOCs (mg/kg)	SVOC (mg/kg)
1	BASB026	3.5	ND	6.3	11	ND	NA	NA	NA
1	BASB026	6.5	ND	14	ND	ND	NA	NA	NA
1	BASB026	9.5	ND	22	ND	ND	NA	NA	NA
1	BASB026	14.5	ND	26	ND	ND	NA	NA	NA
1	BASB026	24.5	ND	5.5	ND	ND	NA	NA	NA
1	BASB027	3.5	ND	35	120	ND	NA	NA	NA
1	BASB027	6	ND	7.4	ND	ND	NA	NA	NA
1	BASB027	9.5	ND	9.7	ND	ND	NA	NA	NA
1	BASB027	14.5	ND	18	ND	ND	NA	NA	NA
1	BASB027	24.5	ND	26	ND	ND	NA	NA	NA
1	BASB028	0.5	ND	24	58	ND	NA	NA	NA
1	BASB028	3.5	ND	14	58	ND	NA	NA	NA
1	BASB028	6.5	ND	18	ND	ND	NA	NA	NA
1	BASB028	9.5	ND	15	ND	ND	NA	NA	NA
1	BASB028	14.5	ND	17	ND	ND	NA	NA	NA
1	BASB028	24.5	ND	20	ND	ND	NA	NA	NA
1	BASB029	3.5	ND	18	5.5	ND	NA	ND	NA
1	BASB029	9.5	ND	40	5.3	ND	NA	ND	NA
1	BASB029	14.5	ND	19	ND	ND	NA	ND	NA
1	BASB029	19.5	ND	18	9	ND	NA	ND	NA
1	BASB029	24.5	ND	ND	ND	ND	NA	ND	NA
1	BASB030	4.5	ND	15	ND	ND	NA	ND	NA
1	BASB030	9.5	ND	16	ND	ND	NA	ND	NA
1	BASB030	14.5	ND	18	9	ND	NA	ND	NA
1	BASB030	19.5	ND	16	ND	ND	NA	ND	NA
1	BASB030	24.5	ND	18	ND	ND	NA	ND	NA
1	BASB031	3.5	ND	ND	12	ND	NA	NA	NA
1	BASB031	6.5	440	5.7	5.2	480	NA	NA	NA
1	BASB031	9.5	490	79	ND	530	250	NA	NA
1	BASB031	14.5	180	20	ND	190	89	NA	NA
1	BASB031	22.5	80	49	36	87	40	NA	NA
1	BASB031	24.5	ND	83	51	ND	ND	NA	NA

Highest Remaining Concentrations after RO3151 Excavation

Area A Excavated 2/23/2015

TPH-g:	0.31 mg/kg
TPH-d:	1.8 mg/kg
TPH-mo:	4.7 mg/kg

Case No. RO3195 Soil Analytical Data - LFR 2001 PEA - TPH, VOCs, SVOCs - SF Bay 2016 Direct Exposure ESLs Shown in Red

LFR Area	Boring #	Depth (feet bgs)	TPH-g (mg/kg) ESL: 770	TPH-d (mg/kg) ESL: 240	TPH-mo (mg/kg) ESL: 11000	TPH-ms (mg/kg) No ESL	TPH-ss (mg/kg) ESL: 170	VOCs (mg/kg)	SVOC (mg/kg)
1	BASB032	3.5	ND	33	69	ND	ND	NA	NA
1	BASB032	9.0	ND	20	ND	ND	NA	NA	NA
1	BASB032	14.5	ND	8.6	ND	ND	NA	NA	NA
1	BASB032	24.5	ND	23	ND	ND	NA	NA	NA
1	BASB033	3.5	ND	**83**	**240**	ND	NA	NA	NA
1	BASB033	6.0	ND	11	ND	ND	NA	NA	NA
1	BASB033	9.5	ND	27	ND	ND	NA	NA	NA
1	BASB033	14.5	ND	16	ND	ND	NA	NA	NA
1	BASB033	24.5	ND	5.8	ND	ND	NA	NA	NA
1	BASB034	3.5	ND	5	18	ND	NA	NA	NA
1	BASB034	6.25	ND	8.1	ND	ND	NA	NA	NA
1	BASB034	9.5	ND	18	5.2	ND	NA	NA	NA
1	BASB034	24.5	ND	16	ND	ND	NA	NA	NA
1	BASB036	3.5	ND	160	630	ND	NA	ND	NA
1	BASB036	9.5	ND	20	ND	ND	NA	ND	NA
1	BASB036	14.5	ND	ND	ND	ND	NA	ND	NA
1	BASB036	24.5	ND	21	ND	ND	NA	ND	NA
1	BASB037	4.5	ND	17	72	ND	NA	ND	NA
1	BASB037	9.5	ND	9.1	ND	ND	NA	ND	NA
1	BASB037	14.5	ND	16	ND	ND	NA	ND	NA
1	BASB037	24.5	ND	11	ND	ND	NA	ND	NA
1	BASB070	3	ND	5.6	51	NA	NA	NA	NA
1	BASB070	6.0	ND	1.1	ND	NA	NA	NA	NA
1	BASB070	9.5	ND	1.1	ND	NA	NA	NA	NA
1	BASB070	14.5	ND	1.3	ND	NA	NA	NA	NA
1	BASB070	22.5	ND	23	ND	NA	NA	ND	NA
1	BASB070	24.5	ND	ND	ND	NA	NA	ND	NA
1	BASB071	1.5	ND	33	85	NA	NA	NA	NA
1	BASB071	6.5	ND	3.1	5.7	NA	NA	NA	NA
1	BASB071	9.5	ND	1	ND	NA	NA	NA	NA
1	BASB071	14.5	ND	1.3	ND	NA	NA	NA	NA
1	BASB071	18.5	ND	ND	ND	NA	NA	NA	NA

Highest Remaining Concentrations after RO3151 Excavation

Area B
Excavated
2/23/2015

TPH-g: ND
TPH-d: 1.7 mg/kg
TPH-mo: 10 mg/kg

Case No. RO3195 Soil Analytical Data - LFR 2001 PEA - TPH, VOCs, SVOCs - SF Bay 2016 Direct Exposure ESLs Shown in Red

LFR Area	Boring #	Depth (feet bgs)	TPH-g (mg/kg) ESL: 770	TPH-d (mg/kg) ESL: 240	TPH-mo (mg/kg) ESL: 11000	TPH-ms (mg/kg) No ESL	TPH-ss (mg/kg) ESL: 170	VOCs (mg/kg)	SVOC (mg/kg)
1	BASB071	19.5	5	8.9	ND	NA	NA	NA	NA
1	BASB071	22.5	7.5	59	6	NA	NA	NA	NA
1	BASB071	24.5	60	68	9.3	NA	NA	NA	NA
1	BASB072	2	ND	30	76	NA	NA	NA	NA
1	BASB072	5.5	ND	ND	ND	NA	NA	NA	NA
1	BASB072	9.5	ND	ND	ND	NA	NA	NA	NA
1	BASB072	14.5	ND	ND	ND	NA	NA	NA	NA
1	BASB072	24.5	ND	ND	ND	NA	NA	NA	NA
1	BASB073	2.5	ND	12	120	NA	NA	NA	NA
1	BASB073	4.5	ND	2	12	NA	NA	NA	NA
1	BASB073	9.5	ND	ND	ND	NA	NA	NA	NA
1	BASB073	14.5	ND	ND	ND	NA	NA	NA	NA
1	BASB073	19.5	ND	1	ND	NA	NA	NA	NA
1	BASB073	24.5	ND	ND	ND	NA	NA	NA	NA
1	BASB074	2.5	ND	2.2	13	NA	NA	NA	NA
1	BASB074	9.5	ND	ND	ND	NA	NA	NA	NA
1	BASB074	14.5	ND	ND	ND	NA	NA	NA	NA
1	BASB074	24.5	ND	ND	ND	NA	NA	NA	NA
1	BASB075	6.5	ND	ND	ND	NA	NA	NA	NA
1	BASB075	9.5	ND	ND	ND	NA	NA	NA	NA
1	BASB075	14.5	ND	ND	ND	NA	NA	NA	NA
1	BASB075	24.5	ND	ND	ND	NA	NA	NA	NA
1	BASB076	3.5	ND	9.8	25	NA	NA	NA	NA
1	BASB076	6.5	ND	2.9	ND	NA	NA	NA	NA
1	BASB076	9.5	ND	6.8	ND	NA	NA	NA	NA
1	BASB076	14.5	ND	7.8	ND	NA	NA	NA	NA
1	BASB076	19.5	ND	3.8	ND	NA	NA	NA	NA
1	BASB076	24.5	ND	5.6	ND	NA	NA	NA	NA
1	BASB077	3.5	ND	270	2200	NA	NA	ND	NA
1	BASB077	9.5	ND	22	ND	NA	NA	NA	NA
1	BASB077	14.5	ND	1.9	ND	NA	NA	NA	NA
1	BASB077	19.5	ND	11	ND	NA	NA	NA	NA

Highest Remaining Concentrations after RO3151 Excavation

Area C	**TPH-g:**	**ND**
Excavated	**TPH-d:**	**ND**
2/23/2015	**TPH-mo:**	**ND**

Case No. RO3195 Soil Analytical Data - LFR 2001 PEA - TPH, VOCs, SVOCs - SF Bay 2016 Direct Exposure ESLs Shown in Red

LFR Area	Boring #	Depth (feet bgs)	TPH-g (mg/kg) ESL: 770	TPH-d (mg/kg) ESL: 240	TPH-mo (mg/kg) ESL: 11000	TPH-ms (mg/kg) No ESL	TPH-ss (mg/kg) ESL: 170	VOCs (mg/kg)	SVOC (mg/kg)			
1	BASB077	24.5	ND	1.9	ND	NA	NA	NA	NA			
1	BASB078	3.5	ND	4.3	30	NA	NA	NA	NA			
1	BASB078	6.5	ND	ND	ND	NA	NA	NA	NA			
1	BASB078	9.5	ND	ND	ND	NA	NA	NA	NA			
1	BASB078	14.5	ND	ND	ND	NA	NA	NA	NA			
1	BASB078	24.5	ND	ND	ND	NA	NA	NA	NA			
1	BASB082	1.5	ND	1.1	7.5	NA	NA	ND	ND			
1	BASB082	4.5	ND	ND	ND	NA	NA	ND	ND			
1	BASB082	11.5	ND	ND	13	NA	NA	ND	ND			
1	BASB082	14.5	ND	ND	ND	NA	NA	ND	ND			
1	BASB082	19.5	ND	ND	10	NA	NA	ND	ND			
2	BASB006	1.5	ND	4.4	9.1	NA	NA	ND	NA			
2	BASB006	5.5	ND	ND	ND	NA	NA	ND	NA			
2	BASB006	9.5	ND	ND	ND	NA	NA	ND	NA			
2	BASB006	14.5	ND	ND	ND	NA	NA	ND	NA			
2	BASB006	26.5	ND	ND	ND	NA	NA	ND	NA			
2	BASB007	1.5	ND	2.3	5.6	NA	NA	ND	NA			
2	BASB007	4.5	ND	1.3	ND	NA	NA	ND	NA			
2	BASB007	9.5	ND	ND	ND	NA	NA	ND	NA			
2	BASB007	14.5	ND	ND	ND	NA	NA	ND	NA			
2	BASB007	25.5	ND	ND	ND	NA	NA	ND	NA			
2	BASB008	3.5	ND	12	22	ND	NA	ND	NA			
2	BASB008	9.5	ND	23	ND	ND	NA	ND	NA			
2	BASB008	14.5	ND	14	ND	ND	NA	ND	NA			
2	BASB008	24.5	ND	18	ND	ND	NA	ND	NA			
3	BASB040	3.5	ND	3.7	5.1	NA	NA	NA	NA			
3	BASB040	9.5	ND	ND	ND	NA	NA	NA	NA			
3	BASB040	14.5	ND	ND	ND	NA	NA	NA	NA			
3	BASB040	19.5	ND	1.2	ND	NA	NA	NA	NA			
3	BASB040	24.5	ND	1.1	ND	NA	NA	NA	NA			

Case No. RO3195 Soil Analytical Data - LFR 2001 PEA - TPH, VOCs, SVOCs - SF Bay 2016 Direct Exposure ESLs Shown in Red

LFR Area	Boring #	Depth (feet bgs)	TPH-g (mg/kg) ESL: 770	TPH-d (mg/kg) ESL: 240	TPH-mo (mg/kg) ESL: 11000	TPH-ms (mg/kg) No ESL	TPH-ss (mg/kg) ESL: 170	VOCs (mg/kg)	SVOC (mg/kg)
3	BASB041	3.5	ND	9.5	59	ND	NA	NA	NA
3	BASB041	4.5	ND	27	6.5	ND	NA	NA	NA
3	BASB041	9.5	ND	3.1	7.9	ND	NA	NA	NA
3	BASB041	14.5	ND	37	8.5	ND	NA	NA	NA
3	BASB041	24.5	3.6	23	29	4.3	NA	NA	NA
4	BASB012	3.5	NA	6.6	22	NA	NA	ND	NA
4	BASB012	9.5	ND	5.5	ND	ND	NA	ND	NA
4	BASB012	14.5	ND	26	ND	ND	NA	ND	NA
4	BASB012	24.0	ND	ND	ND	ND	NA	ND	NA
4	BASB013	2.5	ND	27	5.6	ND	NA	ND	NA
4	BASB013	4.5	ND	ND	ND	ND	NA	ND	NA
4	BASB013	9.5	ND	ND	ND	ND	NA	ND	NA
4	BASB013	14.5	ND	13	ND	ND	NA	ND	NA
4	BASB016	2	ND	12	32	NA	NA	ND	NA
4	BASB016	5.5	ND	ND	ND	NA	NA	ND	NA
4	BASB016	9.5	ND	ND	ND	NA	NA	ND	NA
4	BASB016	14.5	ND	ND	ND	NA	NA	ND	NA
4	BASB016	24.5	ND	ND	ND	NA	NA	ND	NA
5	BASB022	1.5	ND	230	1300	NA	NA	ND	NA
5	BASB022	4.5	ND	970	490	NA	NA	ND	NA
5	BASB022	9.5	ND	600	300	NA	NA	ND	NA
5	BASB022	20.5	2.5	14	13	NA	NA	ND	NA
5	BASB023	1.5	ND	11	63	NA	NA	NA	NA
5	BASB023	4.5	ND	ND	5	NA	NA	NA	NA
5	BASB023	10.5	ND	ND	ND	NA	NA	NA	NA
5	BASB023	14.5	ND	ND	ND	NA	NA	NA	NA

Highest Remaining Concentrations after RO3151 Excavation

Area D
Excavated
2/23/2015

TPH-g:	ND
TPH-d:	2.3 mg/kg
TPH-mo:	3.8 mg/kg

Highest Remaining Concentrations after RO3151 Excavation

Area E
Excavated
2/23/2015

TPH-g:	2.5 mg/kg
TPH-d:	24 mg/kg
TPH-mo:	150 mg/kg

Case No. RO3195 Soil Analytical Data - LFR 2001 PEA - TPH, VOCs, SVOCs - SF Bay 2016 Direct Exposure ESLs Shown in Red

LFR Area	Boring #	Depth (feet bgs)	TPH-g (mg/kg) ESL: 770	TPH-d (mg/kg) ESL: 240	TPH-mo (mg/kg) ESL: 11000	TPH-ms (mg/kg) No ESL	TPH-ss (mg/kg) ESL: 170	VOCs (mg/kg)	SVOC (mg/kg)			
5	BASB023	20.5	ND	24	150	NA	NA	NA	NA			
5	BASB024	1.5	ND	3.9	39	NA	NA	NA	NA			
5	BASB024	3.5	ND	ND	5.2	NA	NA	NA	NA			
5	BASB024	9.5	ND	ND	9.1	NA	NA	NA	NA			
5	BASB024	14.5	ND	ND	ND	NA	NA	NA	NA			
5	BASB024	21.5	ND	3.8	27	NA	NA	NA	NA			
5	BASB025	3.5	ND	1.4	10	NA	NA	NA	NA			
5	BASB025	9.5	ND	ND	ND	NA	NA	NA	NA			
5	BASB025	14.5	ND	ND	ND	NA	NA	NA	NA			
5	BASB025	24.5	ND	ND	ND	NA	NA	NA	NA			
5	BASB086	1.5	ND	2.5	33	NA	NA	NA	NA			
5	BASB086	9.5	ND	ND	8.2	NA	NA	NA	NA			
5	BASB086	19.5	ND	ND	ND	NA	NA	NA	NA			
5	BASB087	3.5	ND	9.3	45	NA	NA	NA	NA			
5	BASB087	9.5	ND	ND	ND	NA	NA	NA	NA			
5	BASB087	24.5	ND	ND	ND	NA	NA	NA	NA			

Notes:

ESL: = 2016 BAAQMD Residential Shallow Soil Direct Exposure ESLs

Red= Highest concentrations of each constituent detected in each of LFR Areas 1 through 5

mg/kg = milligrams per kilogram

TPG-g = Total petroleum hydrocarbons as gasoline

TPG-d = Total petroleum hydrocarbons as diesel

TPG-mc Total petroleum hydrocarbons as motor oil

TPG-ss : Total petroleum hydrocarbons as stoddard solvent

SVOCs = Semi-volatile Organic Compounds

VOCs = Volatile Organic Compounds

APN = Assessors Parcel Number

ND = not detected above laboratory reporting limits for analytes in group

NA = Not Analized

bgs = below ground surface

Case No. RO3195 Analytical Data - LFR 2001 PEA - Metals in Soil - SF Bay 2016 Direct Exposure ESLs Shown in Red Under the Constituent

Area	Borings	APN	Depth (feet bgs)	Arsenic (mg/kg) ESL: 0.067	Cadmium (mg/kg) ESL: 0.014	Chromium III (mg/kg) ESL: 120000	Nickel (mg/kg) ESL: 820	Lead (mg/kg) ESL: 80	Zinc (mg/kg) ESL: 23000
1	BASB026	47-5509-10	4	3	1.7	28	46	22	46
1	BASB026	47-5509-10	10	2.7	1.5	33	45	6.1	36
1	BASB026	47-5509-10	25	3.8	1.7	38	57	6.1	37
1	BASB027	47-5509-10	4	5.4	2	28	41	74	140
1	BASB027	47-5509-10	10	3.2	1.5	29	45	6.3	35
1	BASB027	47-5509-10	25	2.8	1.5	33	58	5.2	34
1	BASB028	47-5509-10	1	7.8	1.8	29	43	**83**	120
1	BASB028	47-5509-10	10	2.9	1.6	29	44	5.9	35
1	BASB028	47-5509-10	25	2.6	1.5	29	53	5.4	31
1	BASB029	47-5509-10	4	4.3	2	38	60	6.8	49
1	BASB029	47-5509-10	10	2.6	1.5	32	44	5.6	40
1	BASB029	47-5509-10	25	3	1.4	34	46	4.4	37
1	BASB030	47-5509-10	5	3.6	2	29	46	4.5	38
1	BASB030	47-5509-10	10	4.9	1.9	38	57	7.1	46
1	BASB030	47-5509-10	25	4.6	1.7	34	61	6.7	38
1	BASB031	47-5509-41	4	3.2	1.9	33	57	8.5	45
1	BASB031	47-5509-41	10	2.3	1.7	35	54	8.1	40
1	BASB031	47-5509-41	25	2.8	1.4	26	54	5.3	30
1	BASB032	47-5509-41	4	2.9	1.5	28	46	7.5	38
1	BASB032	47-5509-41	9.5	3	1.7	33	54	8.2	39
1	BASB032	47-5509-41	25	2.8	1.6	28	58	5.4	33
1	BASB033	47-5509-41	4	6	2.7	30	44	**160**	430
1	BASB033	47-5509-41	10	3.1	1.6	31	41	5.6	36
1	BASB033	47-5509-41	25	3	1.8	38	61	5.7	39
1	BASB034	47-5509-41	4	5.7	2	29	46	24	85
1	BASB034	47-5509-41	10	2.9	1.4	26	38	6.6	32
1	BASB034	47-5509-41	25	3	1.5	29	42	5.9	32
1	BASB036	47-5519-5-2	4	0.68	3.1	2.1	19 j	4.9	64 j
1	BASB036	47-5519-5-2	10	3.5	1.9	35	53 j	6.2	41 j
1	BASB036	47-5519-5-2	25	3.5	1.7	38	50 j	5.2	39 j
1	BASB037	47-5519-5-2	5	2.6	1.6	35	47 j	14	57 j

Case No. RO3195 Analytical Data - LFR 2001 PEA - Metals in Soil - SF Bay 2016 Direct Exposure ESLs Shown in Red Under the Constituent

Area	Borings	APN	Depth (feet bgs)	Arsenic (mg/kg) ESL: 0.067	Cadmium (mg/kg) ESL: 0.014	Chromium III (mg/kg) ESL: 120000	Nickel (mg/kg) ESL: 820	Lead (mg/kg) ESL: 80	Zinc (mg/kg) ESL: 23000
1	BASB037	47-5519-5-2	10	3.1	1.9	35	60 j	6.1	41 j
1	BASB037	47-5519-5-2	25	4.1	1.9	33	51	27	70 j
1	BASB070	47-5509-41	3.5	4.1	1.9	33	51	27	70 j
1	BASB070	47-5509-41	10	2.5	1.3	25	50	5.4	32
1	BASB070	47-5509-41	25	2.4	1.3	26	47	4.8	31
1	BASB071	47-5509-41	2	4.1	2	26	38	**130**	240
1	BASB071	47-5509-41	10	3.5	1.6	33	56	6.6	37 j
1	BASB071	47-5509-41	25	3.4	1.5	34	54	5.9	35 j
1	BASB072	47-5509-41	2.5	4.7	1.9	30	44	44	110
1	BASB072	47-5509-41	10	2.9	1.3	26	40	4.4	27
1	BASB072	47-5509-41	25	3.4	1.5	28	58	5.4	30
1	BASB073	47-5519-5-2	5	2.9	1.5	27	46	4,4	33
1	BASB073	47-5519-5-2	10	2	0.93	17	34	3.9	24
1	BASB073	47-5519-5-2	25	3.3	1.4	26	50	5.6	31
1	BASB074	47-5519-5-2	3	4	1.9	30	53	5.8	41
1	BASB074	47-5519-5-2	10	1.8	0.99	19	29	4	24
1	BASB074	47-5519-5-2	25	2.8	1.4	26	48	8.1	28
1	BASB075	47-5519-5-2	7	3.2	1.5	26	42	5.4	33
1	BASB075	47-5519-5-2	10	3.3	1.6	28	60	7.1	33
1	BASB075	47-5519-5-2	25	3.6	1	22	31	3.4	25
1	BASB076	47-5519-5-2	4	6.5	1.9	31	47	12	49 j
1	BASB076	47-5519-5-2	10	3.6	1.7	35	51	5.7	39 j
1	BASB076	47-5519-5-2	25	4.4	1.8	38	58	6	38 J
1	BASB077	47-5519-5-2	4	2.9	1.5	23	32	30	55 j
1	BASB077	47-5519-5-2	10	4.8	1.8	39	53	6	41 j
1	BASB077	47-5519-5-2	25	4.5	1.6	36	55	5.6	34 j
1	BASB078	47-5519-5-2	4	3.9	1.8	29	46	20	50
1	BASB078	47-5519-5-2	10	2.2	1.3	26	35	4.6	30
1	BASB078	47-5519-5-2	25	3.6	1.5	30	51	5.9	32
1	BASB082	47-5519-5-2	2	4.1	1.3	21	32	9.6	36
1	BASB082	47-5519-5-2	12	2.6	1.2	25	41	4.6	31

Case No. RO3195 Analytical Data - LFR 2001 PEA - Metals in Soil - SF Bay 2016 Direct Exposure ESLs Shown in Red Under the Constituent

Area	Borings	APN	Depth (feet bgs)	Arsenic (mg/kg) ESL: 0.067	Cadmium (mg/kg) ESL: 0.014	Chromium III (mg/kg) ESL: 120000	Nickel (mg/kg) ESL: 820	Lead (mg/kg) ESL: 80	Zinc (mg/kg) ESL: 23000
1	BASB082	47-5519-5-2	20	3.2	1.4	27	41	5	35
2	BASB006	47-5509-9-1	2	2.6	1.6	15	2.9	4.2	34 j
2	BASB006	47-5509-9-1	10	4	1.7	34	52	5.6	38 j
2	BASB006	47-5509-9-1	27	2.6	1.4	29	48	4.3	32 j
2	BASB007	47-5509-9-1	2	5.6	1.7	30	45	6.7	35 j
2	BASB007	47-5509-9-1	10	3.3	1.7	35	54	5.9	41 j
2	BASB007	47-5509-9-1	26	3.3	1.6	34	51	5	36 j
2	BASB008	47-5509-10	4	4.5	2.1	36	53 j	26	76 j
2	BASB008	47-5509-10	10	3.3	1.7	39	57 j	6.9	40 j
2	BASB008	47-5509-10	25	2.5	1.5	35	48 j	4.9	35 j
3	BADW001	47-5509-9-1	.						
3	BADW001	47-5509-9-1	.						
3	BADW001	47-5509-9-1	.						
3	BASB040	47-5509-9-1	4	2.6	1.1	18	35	3.9	25
3	BASB040	47-5509-9-1	10	2.5	1.3	24	45	5	31
3	BASB040	47-5509-9-1	25	3.3	1.5	32	46	4.6	34
3	BASB041	47-5509-9-1	4	2.7	1.4	25	32	28	36
3	BASB041	47-5509-9-1	10	2.5	1.4	31	46	5.6	36
3	BASB041	47-5509-9-1	25	3.6	1.4	36	52	6.3	34
4	BASB012	47-5509-4	4	1.1	2.7	5.1	20	17	93
4	BASB012	47-5509-4	10	3.4	1.9	37	59	6.2	43
4	BASB012	47-5509-4	24.5	3.3	1.9	37	67	6	42
4	BASB013	47-5509-3	3	1.3	2.2	160	94	1.9	21
4	BASB013	47-5509-3	10	3.2	2.1	31	56	5.9	43
4	BASB013	47-5509-3	15	2.7	2.1	29	46	4.8	41
4	BASB016	47-5509-4	2.5	2.6	1.4	19	29	60	81
4	BASB016	47-5509-4	10	2.7	1.3	25	37	4.4	27
4	BASB016	47-5509-4	25	2.8	1.5	30	53	5	31
5	BASB022	47-5509-1-1	2	5.4	2.2	33	54	31	64
5	BASB022	47-5509-1-1	10	3.9	1.7	16	26	23	84
5	BASB022	47-5509-1-1	21	4.3	1.6	28	45	6.9	39

Remaining after RO3151 2015 Excavation

Arsenic:	**4.3 mg/kg**
Lead:	**66 mg/kg**
Zinc:	**100 mg/kg**

Area E

Case No. RO3195 Analytical Data - LFR 2001 PEA - Metals in Soil - SF Bay 2016 Direct Exposure ESLs Shown in Red Under the Constituent

Area	Borings	APN	Depth (feet bgs)	Arsenic (mg/kg) ESL: 0.067	Cadmium (mg/kg) ESL: 0.014	Chromium III (mg/kg) ESL: 120000	Nickel (mg/kg) ESL: 820	Lead (mg/kg) ESL: 80	Zinc (mg/kg) ESL: 23000	
5	BASB023	47-5509-1-1	2	33	2.3	11	17	130	400	**Excavated**
5	BASB023	47-5509-1-1	11	4.5	2	37	55	6.5	40	**2/23/2015**
5	BASB023	47-5509-1-1	21	4.8	2	38	49	33	120	
5	BASB024	47-5519-5-2	2	3	1.5	25	40	17	47	
5	BASB024	47-5519-5-2	4	4.1	1.9	33	50	6.4	41	
5	BASB024	47-5519-5-2	10	3.5	2	35	57	6.3	47	
5	BASB024	47-5519-5-2	22	2.9	1.4	31	38	6.1	92	
5	BASB025	47-5509-1-1	4	3.9	1.7	25	35	18	110	
5	BASB025	47-5509-1-1	10	3.5	1.7	30	48	5.7	40	
5	BASB025	47-5509-1-1	25	2.5	1.5	29	49	4.9	31	
5	BASB086	47-5519-5-2	2	0.87	3	3.2	18	3.4	71	
5	BASB086	47-5519-5-2	10	3.5	1.5	28	41	4.8	31	
5	BASB086	47-5519-5-2	20	3.3	1.9	34	55	5.8	43	
5	BASB087	47-5509-1-1	4	3.3	2.8	5.8	18	14	92	
5	BASB087	47-5509-1-1	10	2.8	1.5	27	47	4.8	34	
5	BASB087	47-5509-1-1	15	4.2	1.7	31	48	5.8	36	
			Average PPM:	3.67	1.69	30.12	42.69	14.36	44.12	
			High:	7.8						

Notes:

--- = No borings

mg/kg = milligrams per kilograms

APN = Assessors Parcel Number

bgs = below ground surface

ESL: = 2016 BAAQMD Residential Shallow Soil Direct Exposure ESLs

Red = Sample exceeds 2016 Residential ESL - Shallow Soil Direct Exposure

Case No. RO3195 Analytical Data - LFR 2001 PEA - TPH, VOCs, SVOCs in Groundwater

Area	Boring #	APN	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	TPH-ms (µg/L)	TPH-ss (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Other VOCs (µg/L)	SVOCs (µg/L)
1	BASB026	47-5519-5-1	<50	130/140	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB027	47-5509-10	<50	<50	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB028	47-5509-10	<50	<50	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB029	47-5509-10	<50	<50	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB030	47-5509-10	<50	<50	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB031	47-5509-41	610	800	<300	920	320	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB032	47-5509-41	<50	61	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB033	47-5509-41	<50	<50	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB034	47-5509-41	<50	<50	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB036	47-5519-5-1	<50	73	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB037	47-5519-5-1	<50	100	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB070	47-5509-41	<50	<50	NA	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB071	47-5509-41	320	150	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB072	47-5509-41	<50	80	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	11 (CF)	3.1 (DEHP)
1	BASB073	47-5519-5-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB074	47-5519-5-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB075	47-5519-5-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB076	47-5519-5-1	<50	530	530	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB077	47-5519-5-1	<50	52	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB078	47-5519-5-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB082	47-5519-5-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
2	BASB006	47-5509-9-1	<50	<50	<300	<50	NA	ND	2.3	<0.5	<0.5	<0.5	ND	ND
2	BASB007	47-5509-9-1	<50	70	<300	<50	NA	ND	0.5	<0.5	<0.5	<0.5	ND	ND
2	BASB008	47-5509-9-1	<50	150	<300	<50	NA	ND	1.2	<0.5	<0.5	<0.5	ND	ND
3	BADW001	47-5509-7	<50	<50	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
3	BASB040	47-5509-7	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
3	BASB041	47-5509-7	<50	120	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
4	BASB012	47-5509-4	<50	61	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
4	BASB013	47-5509-4	---	---	---	---	---	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
4	BASB016	47-5509-4	<50	71/61	<300	NA	NA	ND	0.9/1.6	<0.5	<0.5	<0.5	ND	ND
4	---	47-5509-5	---	---	---	---	---	ND	<0.5	<0.5	<0.5	<0.5	ND	ND

Case No. RO3195 Analytical Data - LFR 2001 PEA - TPH, VOCs, SVOCs in Groundwater

Area	Boring #	APN	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	TPH-ms (µg/L)	TPH-ss (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Other VOCs (µg/L)	SVOCs (µg/L)
4	---	47-5509-6	---	---	---	---	---	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
5	BASB022	47-5509-3	<50	110	<300	NA	NA	ND	<0.5	<0.5	<0.5	16	ND	ND
5	BASB023	47-5509-3	<50	310	1100	NA	NA	ND	<0.5	<0.5	<0.5	1.1	0.8 (CS2)	ND
5	BASB025	47-5509-1-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	1.3	ND	ND
5	BASB087	47-5509-1-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	0.5	ND	ND
5	BASB024	47-5519-5-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
5	BASB086	47-5519-5-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	0.5	<0.5	ND	ND

Notes:

Red= Highest concentrations detected at each sample point

NA= Not Analyzed

ND = Concentrations not detected above reporting limits for all analytes in group

CS2 = Carbon Disulfide

CF = Chloroform

DEHP = Bis(2-Ethylhexyl) phthalate

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

TPG-g = Total petroleum hydrocarbons as gasoline

TPG-d = Total petroleum hydrocarbons as diesel

TPG-mo = Total petroleum hydrocarbons as motor oil

TPG-ms = Total petroleum hydrocarbons as mineral spirits

TPG-ss = Total petroleum hydrocarbons as stoddard solvent

SVOCs = Semi-volatile Organic Compounds

VOCs = Volatile Organic Compounds

MTBE = methyl tert-butyl ether

Case No. RO3195 Analytical Data - LFR 2001 PEA - Metals in Groundwater

Area	Borings	APN	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	Nickel (µg/L)	Zinc (µg/L)	Arsenic (µg/L)
1	BASB026	47-5519-5-1	ND	ND	ND	130	ND	ND
1	BASB027	47-5509-10	ND	ND	ND	ND	ND	ND
1	BASB028	47-5509-10	ND	ND	ND	ND	ND	ND
1	BASB029	47-5509-10	ND	ND	ND	ND	ND	ND
1	BASB030	47-5509-10	ND	ND	ND	ND	ND	ND
1	BASB031	47-5509-41	ND	ND	ND	ND	ND	ND
1	BASB032	47-5509-41	ND	ND	ND	ND	ND	ND
1	BASB033	47-5509-41	ND	ND	ND	ND	ND	ND
1	BASB034	47-5509-41	ND	ND	ND	ND	ND	ND
1	BASB036	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB037	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB070	47-5509-41	ND	ND	ND	ND	ND	ND
1	BASB071	47-5509-41	ND	ND	ND	ND	ND	ND
1	BASB072	47-5509-41	ND	ND	ND	ND	ND	ND
1	BASB073	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB074	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB075	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB076	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB077	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB078	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB082	47-5519-5-1	ND	ND	ND	ND	ND	ND
2	BASB006	47-5509-9-1	ND	ND	ND	ND	ND	ND
2	BASB007	47-5509-9-1	ND	ND	ND	ND	ND	ND
2	BASB008	47-5509-9-1	ND	ND	ND	ND	ND	ND
3	BADW001	47-5509-7	---	---	---	---	---	---
3	BASB040	47-5509-7	ND	ND	ND	ND	ND	ND
3	BASB041	47-5509-7	ND	ND	ND	ND	ND	ND
4	BASB012	47-5509-4	ND	ND	ND	<20J	<20J	ND
4	BASB013	47-5509-4	ND	ND	ND	ND	ND	ND
4	BASB016	47-5509-4	ND	ND	ND	33	ND	ND
4	---	47-5509-5	ND	ND	ND	ND	ND	ND
4	---	47-5509-6	ND	ND	ND	ND	ND	ND

Case No. RO3195 Analytical Data - LFR 2001 PEA - Metals in Groundwater

Area	Borings	APN	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	Nickel (µg/L)	Zinc (µg/L)	Arsenic (µg/L)
5	BASB022	47-5509-3	ND	ND	ND	**38**	ND	ND
5	BASB023	47-5509-3	ND	ND	ND	**69**	ND	ND
5	BASB024	47-5519-5-1	ND	ND	ND	ND	ND	ND
5	BASB025	47-5509-1-1	ND	ND	ND	**64**	ND	ND
5	BASB086	47-5519-5-1	ND	ND	ND	ND	ND	ND
5	BASB087	47-5509-1-1	ND	ND	ND	**39**	ND	ND

Notes:

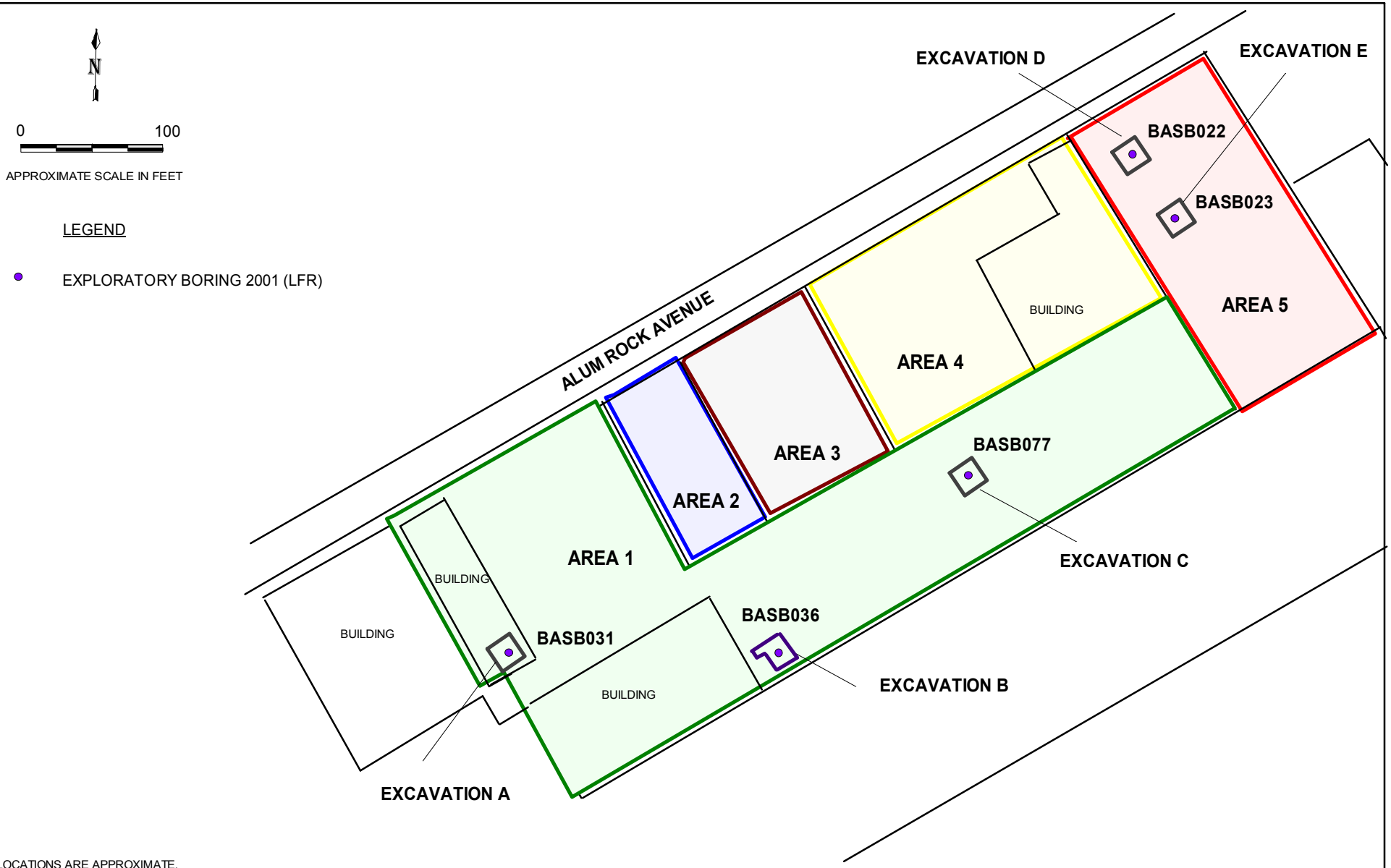
Red= Constituents detected above lab detection limits

NA = Not Analyzed

µg/L =-micrograms per liter

APN = Assessors Parcel Number

ND = analytes not detected above laboratory reporting limits



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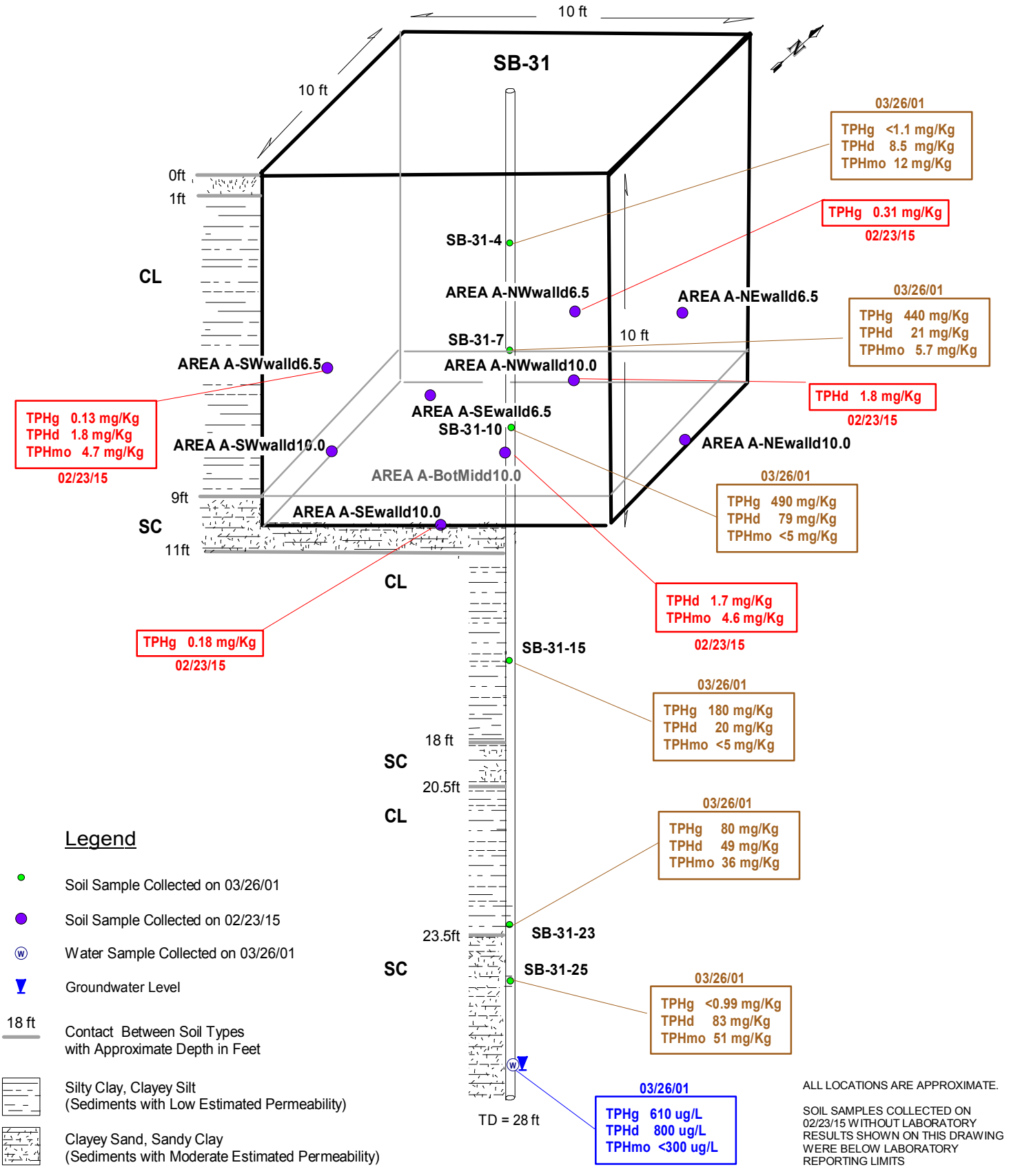
EXTENDED SITE MAP SHOWING STUDY AREAS 1 THROUGH 5 AND EXCAVATIONS A THROUGH E

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 3

File: 4409/Figure 3



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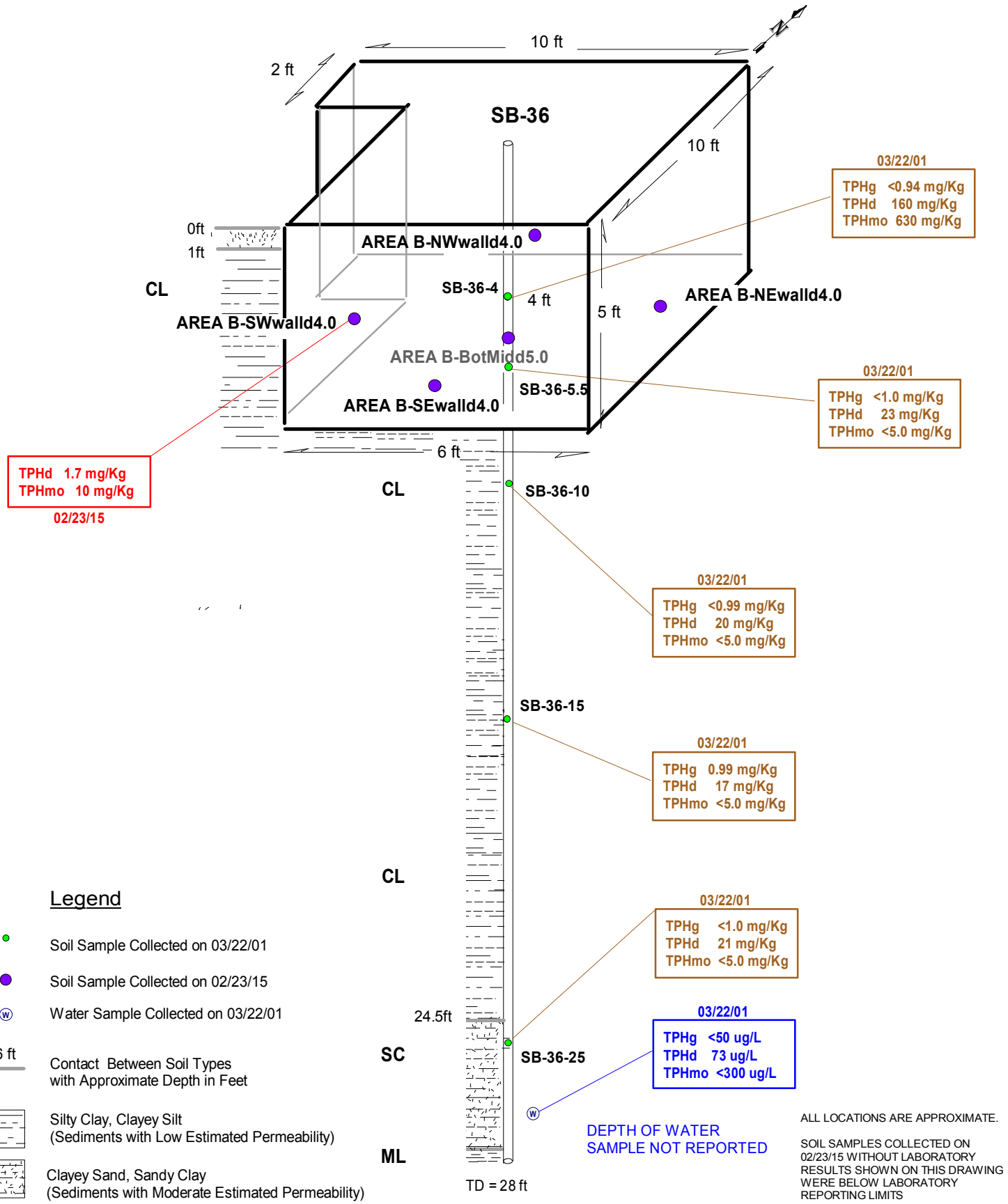
AREA "A" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 4

File: 4409/Figure 4



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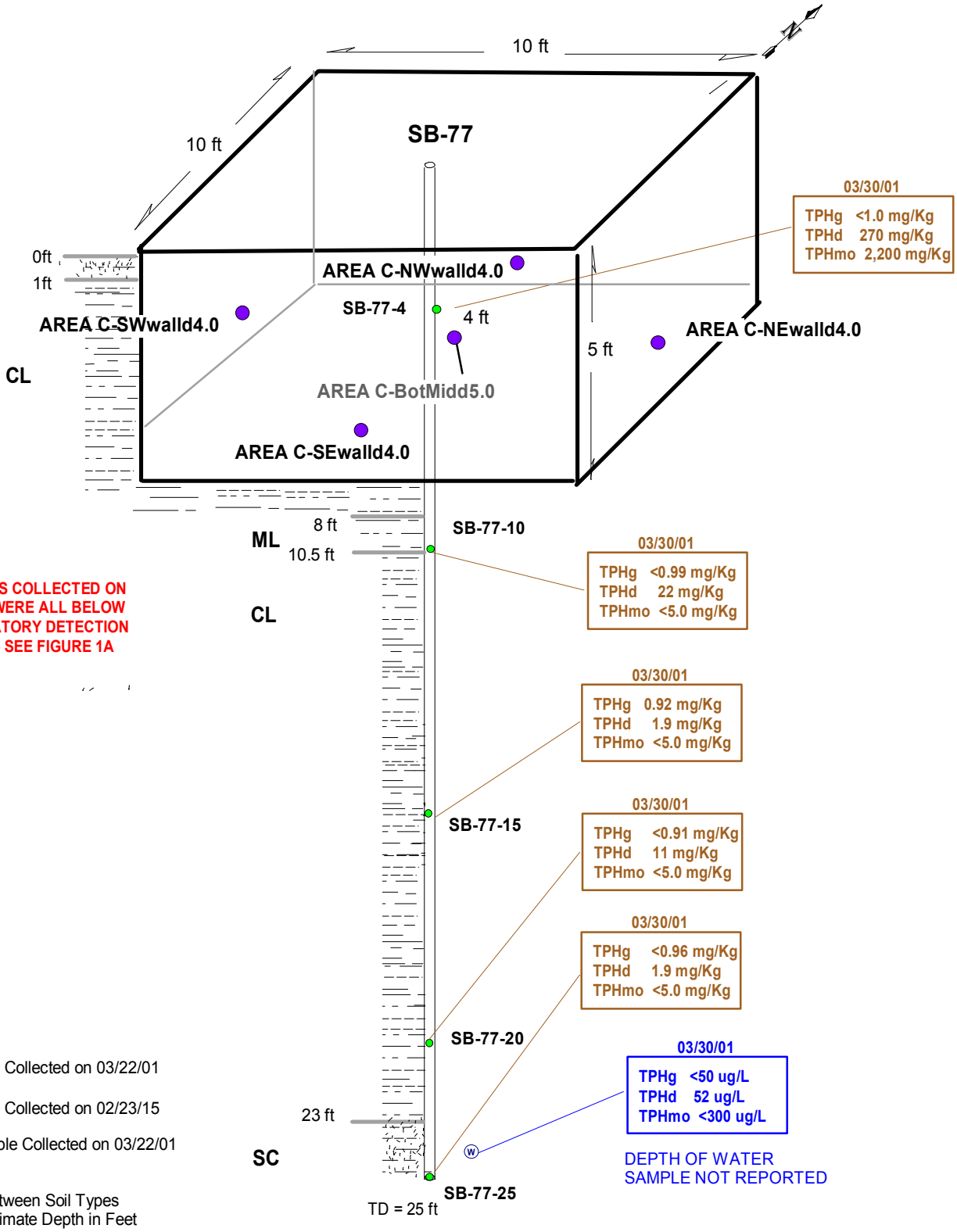
AREA "B" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 5

File: 4409/Figure 4



ALL LOCATIONS ARE APPROXIMATE.

SOIL SAMPLES COLLECTED ON 02/23/15 WITHOUT LABORATORY RESULTS SHOWN ON THIS DRAWING WERE BELOW LABORATORY REPORTING LIMITS

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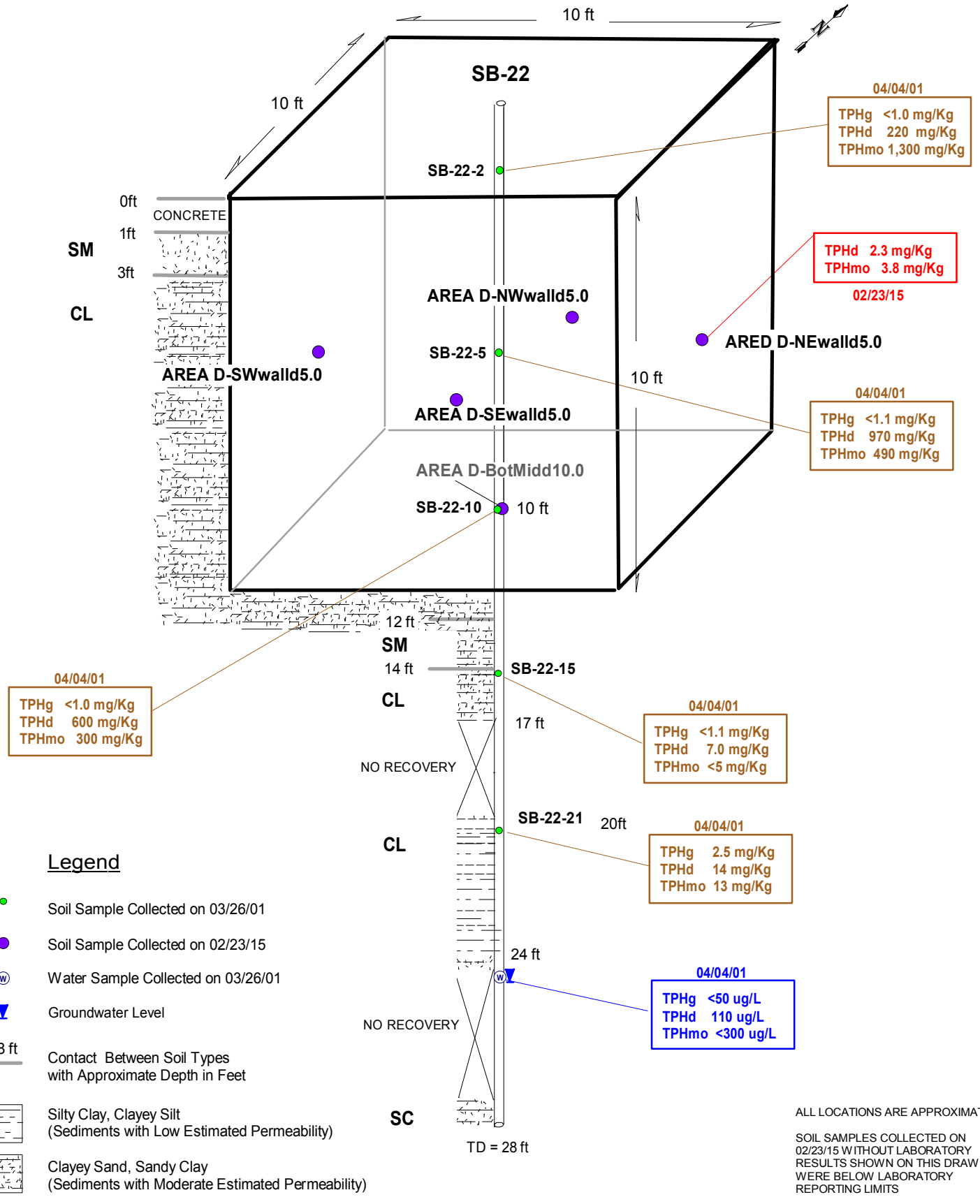
AREA "C" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 6

File: 4409/Figure 6



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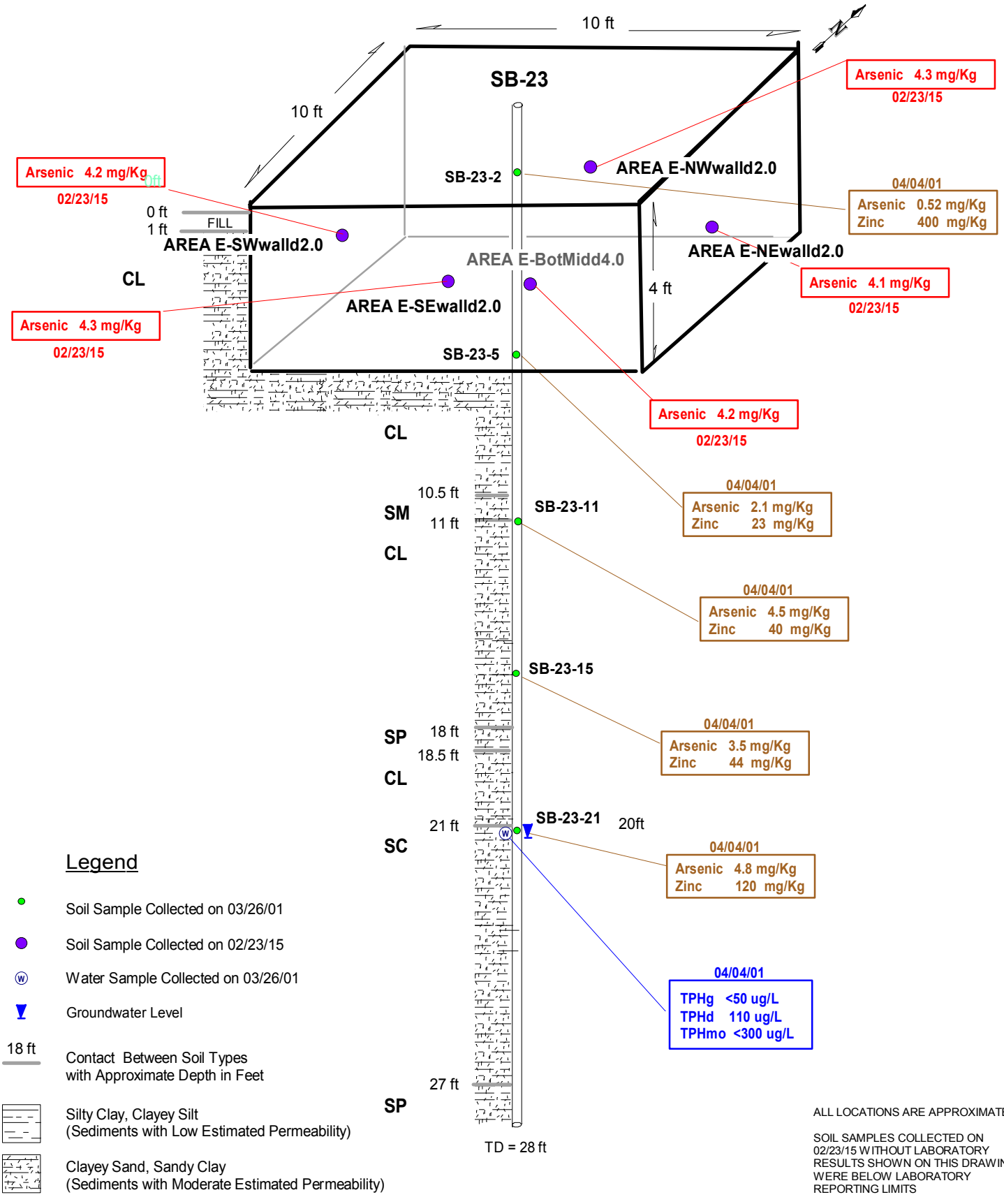
AREA "D" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 7

File: 4409/Figure 7



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AREA "E" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 8

File: 4409/Figure 8

TABLE 1A
SUMMARY OF CURRENT HYDROCARBON SOIL ANALYTICAL DATA
BATARSE PROPERTY
10550 INTERNATIONAL BLVD. AND 1424 & 1560 105th AVE.
OAKLAND, CALIFORNIA

Sample ID	Sample Depth (ft.)	Sample Date	TPHg (mg/Kg)	TPHd (mg/Kg)	TPHmo (mg/Kg)	B (mg/Kg)	T (mg/Kg)	E (mg/Kg)	X (mg/Kg)	MtBE (mg/Kg)
AREA A-NEwalld6.5	6.5	02/23/15	ND<0.20	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-NEwalld10.0	10.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-NWwalld6.5	6.5	02/23/15	**0.31**	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-NWwalld10.0	10.0	02/23/15	ND<2.0	**1.8**	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-SWwalld6.5	6.5	02/23/15	**0.13**	**1.8**	**4.7**	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-SWwalld10.0	10.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-SEwalld6.5	6.5	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-SEwalld10.0	10.0	02/23/15	**0.18**	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-BotMidd10.0	10.0	02/23/15	ND<2.0	**1.7**	**4.6**	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA B-NWwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA B-NEwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA B-SWwalld4.0	4.0	02/23/15	ND<1.0	**1.7**	**10**	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA B-SEwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA B-BotMidd5.0	5.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA C-NWwalld4.0	4.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA C-NEwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA C-SWwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA C-SEwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA C-BotMidd5.0	5.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA D-NWwalld5.0	5.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA D-NEwalld5.0	5.0	02/23/15	ND<1.0	**2.3**	**3.8**	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA D-SWwalld5.0	5.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA D-SEwalld5.0	5.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA D-BotMidd10.0	10.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
Residential ESL			**100**	**100**	**500**	**0.044**	**2.9**	**3.3**	**2.3**	**0.023**
Comm./Industrial ESL			**500**	**500**	**2,500**	**0.044**	**2.9**	**3.3**	**2.3**	**0.023**
Residential LTCP (0 to 5 ft)			**NA**	**NA**	**NA**	**1.900**	**NA**	**21**	**NA**	**NA**

Notes:

<0.5 / ND = Not present at or above reporting detection limit

Highlighted: Highest concentrations each Area after excavations

mg/Kg = micrograms per kilogram = parts per million = ppm
ESLs = Environmental Screening Levels shallow soil (potential source of drinking water): Summary Table A, May 2013
TPHg =Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel (with Silica Gel cleanup)
TPHmo = Total Poetroleum Hydrocarbons as moto oil (with Silica Gel Cleanup)
B = Benzene T = Toluene
E = Ethylbenzene X = Xylenes (total)
MtBE = Methyl t-butyl ether LTCP = Low Threat Closure Policy

TABLE 1B
SUMMARY OF CURRENT METALS SOIL ANALYTICAL DATA
BATARSE PROPERTY
10550 INTERNATIONAL BLVD. AND 1424 & 1560 105th AVE.
OAKLAND, CALIFORNIA

Sample ID	Sample Depth (ft.)	Sample Date	Lead (mg/Kg)	Arsenic (mg/Kg)	Chrom VI (mg/Kg)	Total Chrom (mg/Kg)	Zinc (mg/Kg)
AREA A-NEwalld6.5	6.5	02/23/15	7.3	---	---	---	---
AREA A-NEwalld10.0	10.0	02/23/15	8.3	---	---	---	---
AREA A-NWwalld6.5	6.5	02/23/15	8.8	---	---	---	---
AREA A-NWwalld10.0	10.0	02/23/15	8.0	---	---	---	---
AREA A-SWwalld6.5	6.5	02/23/15	7.6	---	---	---	---
AREA A-SWwalld10.0	10.0	02/23/15	7.8	---	---	---	---
AREA A-SEwalld6.5	6.5	02/23/15	7.8	---	---	---	---
AREA A-SEwalld10.0	10.0	02/23/15	8.1	---	---	---	---
AREA A-BotMidd10.0	10.0	02/23/15	8.6	---	---	---	---
AREA E-NEwalld2.0	2.0	02/23/15	66	4.1	---	---	100
AREA E-NWwalld2.0	2.0	02/23/15	14	4.3	---	---	78
AREA E-SWwalld2.0	2.0	02/23/15	11	4.2	---	---	43
AREA E-SEwalld2.0	2.0	02/23/15	25	4.3	---	---	70
AREA E-BotMidd4.0	4.0	02/23/15	6.9	4.2	---	---	43
AREA 4-B-1d3.0	3.0	02/23/15	---	---	0.88	32	---
Residential ESL			80	0.39	8.0	NA	600
Comm./Industrial ESL			320	0.96	8.0	NA	600
Residential CHHSL			150	0.07	17	NA	23,000
Comm./Industrial CHHSL			3500	0.24	37	NA	100,000

Notes:

--- = Parameter not analyzed

<0.5 / ND = Not present at or above reporting detection limit

mg/Kg = micrograms per kilogram = parts per million = ppm

ESLs = Environmental Screening Levels shallow soil (potential source of drinking water): Summary Table A, May 2013

CHHSL California Human Health Screening Level - January 2005.

Highlighted: Highest concentrations each Area after excavations

Summary of Soil ESLs (mg/kg)

Chemicals	CAS No.	Direct Exposure Human Health Risk Levels (Table S-1)			Leaching to Groundwater Levels (Table S-2)		Gross Contamination Levels (Table S-3)	Odor Nuisance Levels (Table S-4)			Soil Tier 1 ESL	Basis
		Res: Shallow Soil Exposure	Com/Ind: Shallow Soil Exposure	Any Land Use: Any Soil Depth Exposure (CW)	Drinking Water	Nondrinking Water		Res: Shallow Soil Exposure	Com/Ind: Shallow Soil Exposure	Any Land Use: Deep Soil Exposure (CW)		
Toxaphene	8001-35-2	5.1E-01	2.2E+00	1.4E+01	4.2E-04	4.2E-04	9.3E+01	5.0E+02	1.0E+03	1.0E+03	4.2E-04	Leaching
TPH gasoline	--	7.7E+02	4.1E+03	2.8E+03	7.7E+02	3.4E+03	1.0E+03	1.0E+02	5.0E+02	5.0E+02	1.0E+02	Nuis/Odor
TPH Stoddard solvent	--	1.7E+02	8.7E+02	6.3E+02	1.0E+03	6.5E+03	2.3E+03	1.0E+02	5.0E+02	5.0E+02	1.0E+02	Nuis/Odor
TPH diesel	--	2.4E+02	1.2E+03	9.0E+02	5.7E+02	3.6E+03	2.3E+03	5.0E+02	1.0E+03	1.0E+03	2.4E+02	Dir Exp
TPH motor oil	--	1.1E+04	1.4E+05	3.1E+04	--	--	5.1E+03	1.0E+02	5.0E+02	5.0E+02	1.0E+02	Nuis/Odor
Arsenic	7440-38-2	6.7E-02	3.1E-01	9.4E-01	--	--	--	--	--	--	6.7E-02	Dir Exp
Cadmium (soil)	7440-43-9	1.4E-02	5.8E-02	6.0E-05	--	--	--	--	--	--	6.0E-05	Dir Exp
Chromium III	16065-83-	1.2E+05	1.8E+06	5.1E+05	--	--	--	--	--	--	1.2E+05	Dir Exp
Nickel	7440-02-0	8.2E+02	1.1E+04	8.3E+01	--	--	--	--	--	--	8.3E+01	Dir Exp
Lead	7439-92-1	8.0E+01	3.2E+02	2.7E+03	--	--	--	--	--	--	8.0E+01	Dir Exp
Zinc	7440-66-6	2.3E+04	3.5E+05	1.0E+05	--	--	--	--	--	--	2.3E+04	Dir Exp

ATTACHMENT D

Corresponding LFR Sample Analyses and Results Tables From Their 2001 PEA

(Extracted from: "PSA_R_2002-10-18" – on file)

Table 5
Sample Analysis Summary
Batarse Site, Oakland, California

Location ID	Field Sample ID	Date Sampled	extr-TPH	Metals	OCPs	PAHs	PCBs	purg-TPH	SVOCs	TOC	VOCs
Area 1											
BASB026	SB-26-GGW	28-Mar-01	X	X				X			X
DUP	SB-126-GGW	28-Mar-01	X	X				X			X
BASB026	SB-26-4'	28-Mar-01	X	X				X			
BASB026	SB-26-7'	28-Mar-01	X	X				X			
BASB026	SB-26-10'	28-Mar-01	X	X				X			
BASB026	SB-26-15'	28-Mar-01	X	X				X			
BASB026	SB-26-25'	28-Mar-01	X	X				X			
BASB027	SB-27-GGW	27-Mar-01	X	X				X			X
BASB027	SB-27-4'	27-Mar-01	X	X				X			
BASB027	SB-27-6.5'	27-Mar-01	X	X				X			
BASB027	SB-27-10'	27-Mar-01	X	X				X			
BASB027	SB-27-15'	27-Mar-01	X	X				X			
BASB027	SB-27-25'	27-Mar-01	X	X				X			
BASB028	SB-28-GGW	27-Mar-01	X	X				X			X
BASB028	SB-28-1'	27-Mar-01	X	X				X			
BASB028	SB-28-4'	27-Mar-01	X	X				X			
BASB028	SB-28-7'	27-Mar-01	X	X				X			
BASB028	SB-28-10'	27-Mar-01	X	X				X			
BASB028	SB-28-15'	27-Mar-01	X	X				X			
BASB028	SB-28-25'	27-Mar-01	X	X				X			
BASB029	SB-29-GGW	23-Mar-01	X	X				X			X
BASB029	SB-29-4	23-Mar-01	X	X				X			X
DUP	SB-29-5	23-Mar-01	X	X				X			X
BASB029	SB-29-10	23-Mar-01	X	X				X			X
BASB029	SB-29-15	23-Mar-01	X	X				X			X
BASB029	SB-29-20	23-Mar-01	X	X				X			X
BASB029	SB-29-25	23-Mar-01	X	X				X			X
BASB030	SB-30-GGW	23-Mar-01	X	X				X			X
BASB030	SB-30-5	23-Mar-01	X	X				X			X
BASB030	SB-30-10	23-Mar-01	X	X				X			X
BASB030	SB-30-15	23-Mar-01	X	X				X			X
BASB030	SB-30-20	23-Mar-01	X	X				X			X
BASB030	SB-30-25	23-Mar-01	X	X				X			X
BASB031	SB-31-GGW	26-Mar-01	X	X				X			X
BASB031	SB-31-4'	26-Mar-01	X	X				X			
BASB031	SB-31-7'	26-Mar-01	X	X				X			
BASB031	SB-31-10'	26-Mar-01	X	X				X			
BASB031	SB-31-15'	26-Mar-01	X	X				X			
BASB031	SB-31-23'	26-Mar-01	X	X				X			

Table 5
Sample Analysis Summary
Batarse Site, Oakland, California

Location ID	Field Sample ID	Date Sampled	extr-TPH	Metals	OCPs	PAHs	PCBs	purg-TPH	SVOCs	TOC	VOCs
Area 1											
BASB031	SB-31-25'	26-Mar-01	X	X				X			
BASB032	SB-32-GGW	26-Mar-01	X	X				X			X
BASB032	SB-32-4'	26-Mar-01	X	X				X			
DUP	SB-32-5'	26-Mar-01	X	X				X			
BASB032	SB-32-9.5'	26-Mar-01	X	X				X			
BASB032	SB-32-15'	26-Mar-01	X	X				X			
BASB032	SB-32-25'	26-Mar-01	X	X				X			
BASB033	SB-33-GGW	26-Mar-01	X	X				X			X
BASB033	SB-33-4'	26-Mar-01	X	X				X			
BASB033	SB-33-6.5'	26-Mar-01	X	X				X			
BASB033	SB-33-10'	26-Mar-01	X	X				X			
BASB033	SB-33-15'	26-Mar-01	X	X				X			
BASB033	SB-33-25'	26-Mar-01	X	X				X			
BASB034	SB-34-GGW	27-Mar-01	X	X				X			X
BASB034	SB-34-4'	27-Mar-01	X	X				X			
BASB034	SB-34-6.75'	27-Mar-01	X	X				X			
BASB034	SB-34-10'	27-Mar-01	X	X				X			
BASB034	SB-34-15'	27-Mar-01	X	X				X			
BASB034	SB-34-25'	27-Mar-01	X	X				X			
BASB036	SB-36-GGW	22-Mar-01	X	X				X			X
BASB036	SB-36-4	22-Mar-01	X	X				X			X
DUP	SB-36-5.5	22-Mar-01	X	X				X			X
BASB036	SB-36-10	22-Mar-01	X	X				X			X
BASB036	SB-36-15	22-Mar-01	X	X				X			X
BASB036	SB-36-25	22-Mar-01	X	X				X			X
BASB037	SB-37-GGW	22-Mar-01	X	X				X			X
BASB037	SB-37-5	22-Mar-01	X	X				X			X
BASB037	SB-37-10	22-Mar-01	X	X				X			X
BASB037	SB-37-15	22-Mar-01	X	X				X			X
BASB037	SB-37-25	22-Mar-01	X	X				X			X
BASB070	SB-70-GGW	03-Apr-01	X	X				X			X
BASB070	SB-70-3.5'	03-Apr-01	X	X				X			
BASB070	SB-70-6.5'	03-Apr-01	X	X				X			
BASB070	SB-70-10'	03-Apr-01	X	X				X			
BASB070	SB-70-15'	03-Apr-01	X	X				X			
BASB070	SB-70-23'	03-Apr-01	X	X				X			X
BASB070	SB-70-25'	03-Apr-01	X	X				X			X
BASB071	SB-71-GGW	03-Apr-01	X	X				X	X		X
BASB071	SB-71-2'	03-Apr-01	X	X				X			

Table 5
Sample Analysis Summary
Batarse Site, Oakland, California

Location ID	Field Sample ID	Date Sampled	extr-TPH	Metals	OCPs	PAHs	PCBs	purg-TPH	SVOCs	TOC	VOCs
Area 1											
BASB071	SB-71-7'	03-Apr-01	X	X				X			
BASB071	SB-71-10'	03-Apr-01	X	X				X			
BASB071	SB-71-15'	03-Apr-01	X	X				X			
BASB071	SB-71-19'	03-Apr-01	X	X				X			
BASB071	SB-71-20'	03-Apr-01	X	X				X			X
BASB071	SB-71-23'	03-Apr-01	X	X				X			X
BASB071	SB-71-25'	03-Apr-01	X	X				X			X
BASB072	SB-72-GGW	05-Apr-01	X	X				X	X		X
BASB072	SB-72-2.5'	05-Apr-01	X	X				X			
BASB072	SB-72-6'	05-Apr-01	X	X				X			
BASB072	SB-72-10'	05-Apr-01	X	X				X			
BASB072	SB-72-15'	05-Apr-01	X	X				X			
BASB072	SB-72-25'	05-Apr-01	X	X				X			
BASB073	SB-73-GGW	02-Apr-01	X	X				X			X
BASB073	SB-73-3'	02-Apr-01	X	X				X			
BASB073	SB-73-5'	02-Apr-01	X	X				X			
BASB073	SB-73-10'	02-Apr-01	X	X				X			
BASB073	SB-73-15'	02-Apr-01	X	X				X			
BASB073	SB-73-20'	02-Apr-01	X	X				X			
BASB073	SB-73-25'	02-Apr-01	X	X				X			
BASB074	SB-74-GGW	02-Apr-01	X	X				X			X
BASB074	SB-74-3'	02-Apr-01	X	X				X			
BASB074	SB-74-10'	02-Apr-01	X	X				X			
BASB074	SB-74-15'	02-Apr-01	X	X				X			
BASB074	SB-74-25'	02-Apr-01	X	X				X			
BASB075	SB-75-GGW	02-Apr-01	X	X				X			X
BASB075	SB-75-7'	02-Apr-01	X	X				X			
BASB075	SB-75-10'	02-Apr-01	X	X				X			
BASB075	SB-75-15'	02-Apr-01	X	X				X			
BASB075	SB-75-25'	02-Apr-01	X	X				X			
BASB076	SB-76-GGW	30-Mar-01	X	X				X			X
BASB076	SB-76-4'	30-Mar-01	X	X				X			
BASB076	SB-76-7'	30-Mar-01	X	X				X			
BASB076	SB-76-10'	30-Mar-01	X	X				X			
BASB076	SB-76-15'	30-Mar-01	X	X				X			
BASB076	SB-76-20'	30-Mar-01	X	X				X			
BASB076	SB-76-25'	30-Mar-01	X	X				X			
BASB077	SB-77-GGW	30-Mar-01	X	X				X			X
BASB077	SB-77-4'	30-Mar-01	X	X				X			

Table 5
Sample Analysis Summary
Batarse Site, Oakland, California

Location ID	Field Sample ID	Date Sampled	extr-TPH	Metals	OCPs	PAHs	PCBs	purg-TPH	SVOCs	TOC	VOCs
Area 1											
DUP	SB-77-5'	30-Mar-01	X	X				X			
BASB077	SB-77-10'	30-Mar-01	X	X				X			
BASB077	SB-77-15'	30-Mar-01	X	X				X			
BASB077	SB-77-20'	30-Mar-01	X	X				X			
BASB077	SB-77-25'	30-Mar-01	X	X				X			
BASB078	SB-78-13	04-Apr-01								X	
BASB078	SB-78-28	04-Apr-01								X	
BASB078	SB-78-GGW	05-Apr-01	X	X				X	X		X
BASB078	SB-78-4'	05-Apr-01	X	X				X			
BASB078	SB-78-7'	05-Apr-01	X	X				X			
BASB078	SB-78-10'	05-Apr-01	X	X				X			
BASB078	SB-78-15'	05-Apr-01	X	X				X			
BASB078	SB-78-25'	05-Apr-01	X	X				X			
BASB082	SB-82-GGW	05-Apr-01	X	X				X			X
BASB082	SB-82-2'	05-Apr-01	X	X		X		X	X		X
BASB082	SB-82-5'	05-Apr-01	X	X		X		X	X		X
BASB082	SB-82-12'	05-Apr-01	X	X		X		X	X		X
BASB082	SB-82-15'	05-Apr-01	X	X		X		X	X		X
BASB082	SB-82-20'	05-Apr-01	X	X		X		X	X		X
Area 2											
BASB006	SB-6-GGW	31-Mar-01	X	X				X			X
BASB006	SB-6-2'	31-Mar-01	X	X				X			X
BASB006	SB-6-6'	31-Mar-01	X	X				X			X
BASB006	SB-6-10'	31-Mar-01	X	X				X			X
BASB006	SB-6-15'	31-Mar-01	X	X				X			X
BASB006	SB-6-27'	31-Mar-01	X	X				X			X
BASB007	SB-7-GGW	31-Mar-01	X	X				X			X
BASB007	SB-7-2'	31-Mar-01	X	X				X			X
BASB007	SB-7-5'	31-Mar-01	X	X				X			X
BASB007	SB-7-10'	31-Mar-01	X	X				X			X
BASB007	SB-7-15'	31-Mar-01	X	X				X			X
BASB007	SB-7-26'	31-Mar-01	X	X				X			X
BASB008	SB-8-GGW	21-Mar-01	X	X				X			X
BASB008	SB-8-4	21-Mar-01	X	X				X			X
DUP	SB-8-5	21-Mar-01	X	X				X			X
BASB008	SB-8-10	21-Mar-01	X	X				X			X
BASB008	SB-8-15	21-Mar-01	X	X				X			X
BASB008	SB-8-25	21-Mar-01	X	X				X			X
Area 3											

Table 5
Sample Analysis Summary
Batarse Site, Oakland, California

Location ID	Field Sample ID	Date Sampled	extr-TPH	Metals	OCPs	PAHs	PCBs	purg-TPH	SVOCs	TOC	VOCs
Area 3											
BADW001	DW-1	23-Mar-01	X	X				X			X
BASB040	SB-40-GGW	03-Apr-01	X	X				X	X		X
BASB040	SB-40-4'	03-Apr-01	X	X				X			
DUP	SB-40-5'	03-Apr-01	X	X				X			
BASB040	SB-40-10'	03-Apr-01	X	X				X			
BASB040	SB-40-15'	03-Apr-01	X	X				X			
BASB040	SB-40-20'	03-Apr-01	X	X				X			
BASB040	SB-40-25'	03-Apr-01	X	X				X			
BASB041	SB-41-GGW	28-Mar-01	X	X				X			X
BASB041	SB-41-4'	28-Mar-01	X	X				X			
DUP	SB-41-5'	28-Mar-01	X	X				X			
BASB041	SB-41-10'	28-Mar-01	X	X				X			
BASB041	SB-41-15'	28-Mar-01	X	X				X			
BASB041	SB-41-25'	28-Mar-01	X	X				X			
Area 4											
BASB012	SB-12GGW	19-Mar-01	X	X				X			X
BASB012	SB-12-4'	19-Mar-01	X	X							
DUP	SB-12-4.5'	19-Mar-01						X			X
BASB012	SB-12-10'	19-Mar-01	X	X				X			X
BASB012	SB-12-15'	19-Mar-01	X	X				X			X
BASB012	SB-12-24.5'	19-Mar-01	X	X				X			X
BASB013	SB-13-3	20-Mar-01	X	X				X			X
BASB013	SB-13-5	20-Mar-01	X	X				X			X
BASB013	SB-13-10	20-Mar-01	X	X				X			X
BASB013	SB-13-15	20-Mar-01	X	X				X			X
BASB016	SB-16-GGW	04-Apr-01	X	X				X			X
DUP	SB-116-GGW	04-Apr-01	X	X				X			X
BASB016	SB-16-2.5'	04-Apr-01	X	X				X			X
BASB016	SB-16-6'	04-Apr-01	X	X				X			X
BASB016	SB-16-10'	04-Apr-01	X	X				X			X
BASB016	SB-16-13	04-Apr-01								X	
BASB016	SB-16-15'	04-Apr-01	X	X				X			X
BASB016	SB-16-19	04-Apr-01								X	
BASB016	SB-16-25'	04-Apr-01	X	X				X			X
BASB016	SB-16-28	04-Apr-01								X	
Area 5											
BASB022	SB-22-GGW	04-Apr-01	X	X				X			X
BASB022	SB-22-2'	04-Apr-01	X	X				X			X
BASB022	SB-22-5'	04-Apr-01	X	X				X			X

Table 5
Sample Analysis Summary
Batarse Site, Oakland, California

Location ID	Field Sample ID	Date Sampled	extr-TPH	Metals	OCPs	PAHs	PCBs	purg-TPH	SVOCs	TOC	VOCs
Area 5											
BASB022	SB-22-10'	04-Apr-01	X	X				X			X
BASB022	SB-22-15'	04-Apr-01	X	X				X			X
BASB022	SB-22-21'	04-Apr-01	X	X				X			X
BASB023	SB-23-GGW	04-Apr-01	X	X				X			X
BASB023	SB-23-2'	04-Apr-01	X	X				X			
BASB023	SB-23-5'	04-Apr-01	X	X				X			
BASB023	SB-23-11'	04-Apr-01	X	X				X			
BASB023	SB-23-15'	04-Apr-01	X	X				X			
BASB023	SB-23-21'	04-Apr-01	X	X				X			
BASB024	SB-24-GGW	04-Apr-01	X	X				X			X
BASB024	SB-24-2'	04-Apr-01	X	X				X			
BASB024	SB-24-4'	04-Apr-01	X	X				X			
BASB024	SB-24-10'	04-Apr-01	X	X				X			
BASB024	SB-24-15'	04-Apr-01	X	X				X			
BASB024	SB-24-22'	04-Apr-01	X	X				X			
BASB025	SB-25-GGW	04-Apr-01	X	X				X			X
BASB025	SB-25-4'	04-Apr-01	X	X				X			
DUP	SB-25-5'	04-Apr-01	X	X				X			
BASB025	SB-25-10'	04-Apr-01	X	X				X			
BASB025	SB-25-15'	04-Apr-01	X	X				X			
BASB025	SB-25-25'	04-Apr-01	X	X				X			
BASB086	SB-86-GGW	04-Apr-01	X	X				X			X
BASB086	SB-86-2'	04-Apr-01	X	X				X			
BASB086	SB-86-4'	04-Apr-01	X	X				X			
BASB086	SB-86-10'	04-Apr-01	X	X				X			
BASB086	SB-86-16'	04-Apr-01	X	X				X			
BASB086	SB-86-20'	04-Apr-01	X	X				X			
BASB087	SB-87-GGW	04-Apr-01	X	X				X			X
BASB087	SB-87-4'	04-Apr-01	X	X				X			
DUP	SB-87-5'	04-Apr-01	X	X				X			
BASB087	SB-87-10'	04-Apr-01	X	X				X			
BASB087	SB-87-15'	04-Apr-01	X	X				X			
BASB087	SB-87-25'	04-Apr-01	X	X				X			
Area 6											
BASB001	SB-1-GGW	02-Apr-01	X	X				X			X
BASB001	SB-1-3'	02-Apr-01	X	X				X			
BASB001	SB-1-5'	02-Apr-01	X	X				X			
BASB001	SB-1-10'	02-Apr-01	X	X				X			
BASB001	SB-1-15'	02-Apr-01	X	X				X			

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 1								
BASB026	28-Mar-01	(3.5-4.0)	6.3 YZ	<0.91	11 Y	<0.91	NA	NA
BASB026	28-Mar-01	(6.5-7.0)	14 YZ	<1	<5	<1	NA	NA
BASB026	28-Mar-01	(9.5-10.0)	22 YZ	<1	<5	<1	NA	NA
BASB026	28-Mar-01	(14.5-15.0)	26 YZ	<1.1	<5	<1.1	NA	NA
BASB026	28-Mar-01	(24.5-25.0)	5.5 YZ	<1	<5	<1	NA	NA
BASB027	27-Mar-01	(3.5-4.0)	35 YHZ	<0.97	120 YH	<0.97	NA	NA
BASB027	27-Mar-01	(6.0-6.5)	7.4 YZ	<1	<5	<1	NA	NA
BASB027	27-Mar-01	(9.5-10.0)	9.7 YZ	<0.95	<5	<0.95	NA	NA
BASB027	27-Mar-01	(14.5-15.0)	18 YZ	<1	<5	<1	NA	NA
BASB027	27-Mar-01	(24.5-25.0)	26 YZ	<0.91	<5	<0.91	NA	NA
BASB028	27-Mar-01	(0.5-1.0)	24 YZ	<0.99	58 Y	<0.99	NA	NA
BASB028	27-Mar-01	(3.5-4.0)	14 YZ	<1.1	<5	<1.1	NA	NA
BASB028	27-Mar-01	(6.5-7.0)	18 YZ	<1.1	<5	<1.1	NA	NA
BASB028	27-Mar-01	(9.5-10.0)	15 YZ	<0.92	<5	<0.92	NA	NA
BASB028	27-Mar-01	(14.5-15.0)	17 YZ	<1.1	<5	<1.1	NA	NA
BASB028	27-Mar-01	(24.5-25.0)	20 YZ	<0.97	<5	<0.97	NA	NA
BASB029	23-Mar-01	(3.5-4.0)	18 YZ	<1.1	5.5 Y	<1.1	NA	NA
DUP	23-Mar-01	(4.5-5.0)	9.5 YZ	<0.95	<5	<0.95	NA	NA
BASB029	23-Mar-01	(9.5-10.0)	40 YZ	<1	5.3 Y	<1	NA	NA
BASB029	23-Mar-01	(14.5-15.0)	19 YZ	<0.96	<5	<0.96	NA	NA
BASB029	23-Mar-01	(19.5-20.0)	18 YZ	<1	9 Y	<1	NA	NA
BASB029	23-Mar-01	(24.5-25.0)	<1	<0.93	<5	<0.93	NA	NA
BASB030	23-Mar-01	(4.5-5.0)	15 YZ	<1.1	<5	<1.1	NA	NA
BASB030	23-Mar-01	(9.5-10.0)	16 YZ	<0.93	<5	<0.93	NA	NA
BASB030	23-Mar-01	(14.5-15.0)	13 YZ	<0.93	<5	<0.93	NA	NA
BASB030	23-Mar-01	(19.5-20.0)	19 YZ	<0.94	<5	<0.94	NA	NA
BASB030	23-Mar-01	(24.5-25.0)	18 YZ	<0.93	<5	<0.93	NA	NA
BASB031	26-Mar-01	(3.5-4.0)	8.5 YZH	<1.1	12	<1.1	NA	NA
BASB031	26-Mar-01	(6.5-7.0)	21 YZ	440 JYH	5.7 Y	480 JYL	NA	220 J
BASB031	26-Mar-01	(9.5-10.0)	79 YLZ	490 JYH	<5	530 JYL	NA	250 J
BASB031	26-Mar-01	(14.5-15.0)	20 YLZ	180 JYH	<5	190 JYL	NA	89 J
BASB031	26-Mar-01	(22.5-23.0)	49 YLH	80 JYH	36	87 JYL	NA	40 J

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 1								
BASB031	26-Mar-01	(24.5-25.0)	83 YLZ	<0.99	51	<0.99	NA	<0.99
BASB032	26-Mar-01	(3.5-4.0)	33 YZH	<1.1	69	<1.1	NA	<1.1
DUP	26-Mar-01	(4.5-5.0)	85 YH	<0.93	360	<0.93	NA	NA
BASB032	26-Mar-01	(9.0-9.5)	20 YZ	<0.95	<5	<0.95	NA	NA
BASB032	26-Mar-01	(14.5-15.0)	8.6 YZ	<1.1	<5	<1.1	NA	NA
BASB032	26-Mar-01	(24.5-25.0)	23 YZ	<1	<5	<1	NA	NA
BASB033	26-Mar-01	(3.5-4.0)	83 YHZ	<0.97	240	<0.97	NA	NA
BASB033	26-Mar-01	(6.0-6.5)	11 YZ	<1.1	<5	<1.1	NA	NA
BASB033	26-Mar-01	(9.5-10.0)	27 YZ	<1	<5	<1	NA	NA
BASB033	26-Mar-01	(14.5-15.0)	16 YZ	<1	<5	<1	NA	NA
BASB033	26-Mar-01	(24.5-25.0)	5.8 YZ	<0.93	<5	<0.93	NA	NA
BASB034	27-Mar-01	(3.5-4.0)	5 YHZ	<0.92	18 Y	<0.92	NA	NA
BASB034	27-Mar-01	(6.25-6.75)	8.1 YZ	<1.1	<5	<1.1	NA	NA
BASB034	27-Mar-01	(9.5-10.0)	18 YZ	<1.1	5.2 Y	<1.1	NA	NA
BASB034	27-Mar-01	(14.5-15.0)	12 YZ	<0.94	<5	<0.94	NA	NA
BASB034	27-Mar-01	(24.5-25.0)	16 YZ	<0.96	<5	<0.96	NA	NA
BASB036	22-Mar-01	(3.5-4.0)	160 YH	<0.94	630	<0.94	NA	NA
DUP	22-Mar-01	(5.0-5.5)	23 YZ	<1	<5	<1	NA	NA
BASB036	22-Mar-01	(9.5-10.0)	20 YZ	<0.99	<5	<0.99	NA	NA
BASB036	22-Mar-01	(14.5-15.0)	17 YZ	<0.99	<5	<0.99	NA	NA
BASB036	22-Mar-01	(24.5-25.0)	21 YZ	<1	<5	<1	NA	NA
BASB037	22-Mar-01	(4.5-5.0)	17 YZ	<1.1	72 YH	<1.1	NA	NA
BASB037	22-Mar-01	(9.5-10.0)	9.1 YZ	<1	<5	<1	NA	NA
BASB037	22-Mar-01	(14.5-15.0)	16 YZ	<0.94	<5	<0.94	NA	NA
BASB037	22-Mar-01	(24.5-25.0)	11 YZ	<1	<5	<1	NA	NA
BASB070	03-Apr-01	(3.0-3.5)	5.6 YH	<1	51	NA	<1	NA
BASB070	03-Apr-01	(6.0-6.5)	1.1 YZ	<1	<5	NA	<1	NA
BASB070	03-Apr-01	(9.5-10.0)	1.1 YZ	<0.91	<5	NA	<0.91	NA
BASB070	03-Apr-01	(14.5-15.0)	1.3 YZ	<0.98	<5	NA	<0.98	NA
BASB070	03-Apr-01	(22.5-23.0)	23 YL	<1.1	<5	NA	<1.1	NA
BASB070	03-Apr-01	(24.5-25.0)	<1	<1	<5	NA	<1	NA
BASB071	03-Apr-01	(1.5-2.0)	33 YH	<1.1	85	NA	<1.1	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 1								
BASB071	03-Apr-01	(6.5-7.0)	3.1 YZ	<1.1	5.7 Y	NA	<1.1	NA
BASB071	03-Apr-01	(9.5-10.0)	1 YZ	<0.96	<5	NA	<0.96	NA
BASB071	03-Apr-01	(14.5-15.0)	1.3 YZ	<0.99	<5	NA	<0.99	NA
BASB071	03-Apr-01	(18.5-19.0)	<1	<0.97	<5	NA	<0.97	NA
BASB071	03-Apr-01	(19.5-20.0)	8.9 YLZ	5 Y	<5	NA	4.1	NA
BASB071	03-Apr-01	(22.5-23.0)	59 YL	7.5 Y	6	NA	6.2	NA
BASB071	03-Apr-01	(24.5-25.0)	68 YL	60 Y	9.3	NA	38	NA
BASB072	05-Apr-01	(2.0-2.5)	30 YH	<1.1	76 Y	NA	<1.1	NA
BASB072	05-Apr-01	(5.5-6.0)	<1	<0.95	<5	NA	<0.95	NA
BASB072	05-Apr-01	(9.5-10.0)	<1	<0.93	<5	NA	<0.93	NA
BASB072	05-Apr-01	(14.5-15.0)	<1	<0.91	<5	NA	<0.91	NA
BASB072	05-Apr-01	(24.5-25.0)	<0.99	<0.99	<5	NA	<0.99	NA
BASB073	02-Apr-01	(2.5-3.0)	12 YH	<1.1	120 Y	NA	<1.1	NA
BASB073	02-Apr-01	(4.5-5.0)	2 YH	<0.97	12 Y	NA	<0.97	NA
BASB073	02-Apr-01	(9.5-10.0)	<1	<0.94	<5	NA	<0.94	NA
BASB073	02-Apr-01	(14.5-15.0)	<1	<1	<5	NA	<1	NA
BASB073	02-Apr-01	(19.5-20.0)	1 Y	<1	<5	NA	<1	NA
BASB073	02-Apr-01	(24.5-25.0)	<1	<0.95	<5	NA	<0.95	NA
BASB074	02-Apr-01	(2.5-3.0)	2.2 YH	<0.93	13 Y	NA	<0.93	NA
BASB074	02-Apr-01	(9.5-10.0)	<1	<0.94	<5	NA	<0.94	NA
BASB074	02-Apr-01	(14.5-15.0)	<1	<0.96	<5	NA	<0.96	NA
BASB074	02-Apr-01	(24.5-25.0)	<0.99	<0.97	<5	NA	<0.97	NA
BASB075	02-Apr-01	(6.5-7.0)	<0.99	<0.96	<5	NA	<0.96	NA
BASB075	02-Apr-01	(9.5-10.0)	<1	<0.91	<5	NA	<0.91	NA
BASB075	02-Apr-01	(14.5-15.0)	<1	<0.94	<5	NA	<0.94	NA
BASB075	02-Apr-01	(24.5-25.0)	<1	<1.1	<5	NA	<1.1	NA
BASB076	30-Mar-01	(3.5-4.0)	9.8 YH	<1	25 Y	NA	<1	NA
BASB076	30-Mar-01	(6.5-7.0)	2.9 YZ	<0.99	<5	NA	<0.99	NA
BASB076	30-Mar-01	(9.5-10.0)	6.8 YZ	<0.94	<5	NA	<0.94	NA
BASB076	30-Mar-01	(14.5-15.0)	7.8 YZ	<0.94	<5	NA	<0.94	NA
BASB076	30-Mar-01	(19.5-20.0)	3.8 YZ	<1.1	<5	NA	<1.1	NA
BASB076	30-Mar-01	(24.5-25.0)	5.6 YZ	<1	<5	NA	<1	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 1								
BASB077	30-Mar-01	(3.5-4.0)	270 YH	<1	2200 Y	NA	<1	NA
DUP	30-Mar-01	(4.5-5.0)	13 YZ	<0.99	6 Y	NA	<0.99	NA
BASB077	30-Mar-01	(9.5-10.0)	22 YZ	<0.93	<5	NA	<0.93	NA
BASB077	30-Mar-01	(14.5-15.0)	1.9 YZ	<0.92	<5	NA	<0.92	NA
BASB077	30-Mar-01	(19.5-20.0)	11 YZ	<0.91	<5	NA	<0.91	NA
BASB077	30-Mar-01	(24.5-25.0)	1.9 YZ	<0.96	<5	NA	<0.96	NA
BASB078	05-Apr-01	(3.5-4.0)	4.3 YH	<1	30 Y	NA	<1	NA
BASB078	05-Apr-01	(6.5-7.0)	<0.99	<0.93	<5	NA	<0.93	NA
BASB078	05-Apr-01	(9.5-10.0)	<1	<1.1	<5	NA	<1.1	NA
BASB078	05-Apr-01	(14.5-15.0)	<0.99	<0.94	<5	NA	<0.94	NA
BASB078	05-Apr-01	(24.5-25.0)	<0.99	<1	<5	NA	<1	NA
BASB082	05-Apr-01	(1.5-2.0)	1.1 YH	<0.91	7.5 Y	NA	<0.91	NA
BASB082	05-Apr-01	(4.5-5.0)	<0.99	<1	<5	NA	<1	NA
BASB082	05-Apr-01	(11.5-12.0)	<1	<0.96	13 YH	NA	<0.96	NA
BASB082	05-Apr-01	(14.5-15.0)	<1	<1	<5	NA	<1	NA
BASB082	05-Apr-01	(19.5-20.0)	<0.99	<1.1	10 YH	NA	<1.1	NA
Area 2								
BASB006	31-Mar-01	(1.5-2.0)	4.4 YZ	<0.96	9.1 Y	NA	<0.96	NA
BASB006	31-Mar-01	(5.5-6.0)	<1	<1.1	<5	NA	<1.1	NA
BASB006	31-Mar-01	(9.5-10.0)	<0.99	<0.99	<5	NA	<0.99	NA
BASB006	31-Mar-01	(14.5-15.0)	<1	<0.92	<5	NA	<0.92	NA
BASB006	31-Mar-01	(26.5-27.0)	<1	<0.94	<5	NA	<0.94	NA
BASB007	31-Mar-01	(1.5-2.0)	2.3 YZ	<1.1	5.6 Y	NA	<1.1	NA
BASB007	31-Mar-01	(4.5-5.0)	1.3 YZ	<1.1	<5	NA	<1.1	NA
BASB007	31-Mar-01	(9.5-10.0)	<1	<1	<5	NA	<1	NA
BASB007	31-Mar-01	(14.5-15.0)	<0.99	<0.97	<5	NA	<0.97	NA
BASB007	31-Mar-01	(25.5-26.0)	<1	<1	<5	NA	<1	NA
BASB008	21-Mar-01	(3.5-4.0)	12 YH	<0.97	22 Y	<0.97	NA	NA
DUP	21-Mar-01	(4.5-5.0)	21 YZ	<0.92	<25	<0.92	NA	NA
BASB008	21-Mar-01	(9.5-10.0)	23 YZ	<0.92	<25	<0.92	NA	NA
BASB008	21-Mar-01	(14.5-15.0)	14 YZ	<0.95	<25	<0.95	NA	NA
BASB008	21-Mar-01	(24.5-25.0)	18 YZ	<0.92	<25	<0.92	NA	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 3								
BASB040	03-Apr-01	(3.5-4.0)	3.7 YZ	<0.93	5.1 Y	NA	<0.93	NA
DUP	03-Apr-01	(4.5-5.0)	2.8 YZ	<0.94	<5	NA	<0.94	NA
BASB040	03-Apr-01	(9.5-10.0)	<0.99	<1.1	<5	NA	<1.1	NA
BASB040	03-Apr-01	(14.5-15.0)	<1	<1	<5	NA	<1	NA
BASB040	03-Apr-01	(19.5-20.0)	1.2 YZ	<0.92	<5	NA	<0.92	NA
BASB040	03-Apr-01	(24.5-25.0)	1.1 YZ	<1.1	<5	NA	<1.1	NA
BASB041	28-Mar-01	(3.5-4.0)	9.5 YZ	<0.99	59 Y	<0.99	NA	NA
DUP	28-Mar-01	(4.5-5.0)	27 YZ	<1	6.5 Y	<1	NA	NA
BASB041	28-Mar-01	(9.5-10.0)	3.1 YZ	<0.95	7.9 Y	<0.95	NA	NA
BASB041	28-Mar-01	(14.5-15.0)	37 YZ	<0.95	8.5 Y	<0.95	NA	NA
BASB041	28-Mar-01	(24.5-25.0)	23 YZ	3.6 YH	29 Y	4.3 b	NA	NA
Area 4								
BASB012	19-Mar-01	(3.5-4.0)	6.6 YH	NA	22	NA	NA	NA
DUP	19-Mar-01	(4.0-4.5)	NA	<1.1	NA	<1.1	NA	NA
BASB012	19-Mar-01	(9.5-10.0)	5.5 YZ	<1.1	<5	<1.1	NA	NA
BASB012	19-Mar-01	(14.5-15.0)	26 YZ	<0.94	<25	<0.94	NA	NA
BASB012	19-Mar-01	(24.0-24.5)	<1	<1.1	<5	<1.1	NA	NA
BASB013	20-Mar-01	(2.5-3.0)	27 YZ	<1.1	5.6 Y	<1.1	NA	NA
BASB013	20-Mar-01	(4.5-5.0)	7.9 YZ	<0.99	<5	<0.99	NA	NA
BASB013	20-Mar-01	(9.5-10.0)	<0.99	<1	<5	<1	NA	NA
BASB013	20-Mar-01	(14.5-15.0)	13 YZ	<1	<9.9	<1	NA	NA
BASB016	04-Apr-01	(2.0-2.5)	12 YHZ	<1	32 Y	NA	<1	NA
BASB016	04-Apr-01	(5.5-6.0)	<1	<0.98	<5	NA	<0.98	NA
BASB016	04-Apr-01	(9.5-10.0)	<1	<1	<5	NA	<1	NA
BASB016	04-Apr-01	(14.5-15.0)	<0.99	<1.1	<5	NA	<1.1	NA
BASB016	04-Apr-01	(24.5-25.0)	<1	<0.93	<5	NA	<0.93	NA
Area 5								
BASB022	04-Apr-01	(1.5-2.0)	220 YLH	<1	1300	NA	<1	NA
BASB022	04-Apr-01	(4.5-5.0)	970 YLH	<1.1	490	NA	<1.1	NA
BASB022	04-Apr-01	(9.5-10.0)	600 YLH	<1	300	NA	<1	NA
BASB022	04-Apr-01	(14.5-15.0)	7 YL	<1.1	<5	NA	<1.1	NA
BASB022	04-Apr-01	(20.5-21.0)	14 YLH	2.5 YH	13	NA	1.6 YH	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 5								
BASB023	04-Apr-01	(1.5-2.0)	11 YH	<0.92	63	NA	<0.92	NA
BASB023	04-Apr-01	(4.5-5.0)	<1	<1.1	5 Y	NA	<1.1	NA
BASB023	04-Apr-01	(10.5-11.0)	<1	<0.91	<5	NA	<0.91	NA
BASB023	04-Apr-01	(14.5-15.0)	<1	<1	<5	NA	<1	NA
BASB023	04-Apr-01	(20.5-21.0)	24 YH	<1.1	150	NA	<1.1	NA
BASB024	04-Apr-01	(1.5-2.0)	3.9 YH	<1.1	39	NA	<1.1	NA
BASB024	04-Apr-01	(3.5-4.0)	<1	<1.1	5.2 Y	NA	<1.1	NA
BASB024	04-Apr-01	(9.5-10.0)	<1	<0.93	9.1 Y	NA	<0.93	NA
BASB024	04-Apr-01	(14.5-15.0)	<1	<1.1	<5	NA	<1.1	NA
BASB024	04-Apr-01	(21.5-22.0)	3.8 YH	<1	27 H	NA	<1	NA
BASB025	04-Apr-01	(3.5-4.0)	1.4 YH	<1	10 Y	NA	<1	NA
DUP	04-Apr-01	(4.5-5.0)	<0.99	<0.93	<5	NA	<0.93	NA
BASB025	04-Apr-01	(9.5-10.0)	<1	<1	<5	NA	<1	NA
BASB025	04-Apr-01	(14.5-15.0)	<1	<0.92	<5	NA	<0.92	NA
BASB025	04-Apr-01	(24.5-25.0)	<1	<1	<5	NA	<1	NA
BASB086	04-Apr-01	(1.5-2.0)	2.5 YH	<0.92	33 H	NA	<0.92	NA
BASB086	04-Apr-01	(3.5-4.0)	<1	<0.93	5.2 Y	NA	<0.93	NA
BASB086	04-Apr-01	(9.5-10.0)	<1	<0.97	8.2 H	NA	<0.97	NA
BASB086	04-Apr-01	(15.5-16.0)	1.1 YH	<1	14 H	NA	<1	NA
BASB086	04-Apr-01	(19.5-20.0)	<0.99	<1	<5	NA	<1	NA
BASB087	04-Apr-01	(3.5-4.0)	9.3 YH	<0.94	45	NA	<0.94	NA
DUP	04-Apr-01	(4.5-5.0)	1.4 YH	<0.96	6.7 Y	NA	<0.96	NA
BASB087	04-Apr-01	(9.5-10.0)	<1	<1.1	<5	NA	<1.1	NA
BASB087	04-Apr-01	(14.5-15.0)	<1	<1	<5	NA	<1	NA
BASB087	04-Apr-01	(24.5-25.0)	<1	<1	<5	NA	<1	NA
Area 6								
BASB001	02-Apr-01	(2.5-3.0)	16 YH	<1	56 Y	NA	<1	NA
BASB001	02-Apr-01	(4.5-5.0)	4.6 YH	<1.1	27 Y	NA	<1.1	NA
BASB001	02-Apr-01	(9.5-10.0)	<0.99	<1	<5	NA	<1	NA
BASB001	02-Apr-01	(14.5-15.0)	<1	<0.93	<5	NA	<0.93	NA
BASB001	02-Apr-01	(22.5-23.0)	19 YH	<1.1	140 Y	NA	<1.1	NA
BASB002	31-Mar-01	(2.5-3.0)	150 YH	<0.98	1000 Y	NA	<0.98	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 6								
BASB005	31-Mar-01	(2.5-3.0)	<1	<0.91	5.3 Y	NA	<0.91	NA
BASB011	05-Apr-01	(2.5-3.0)	4.3 YH	<1.1	39 Y	NA	<1.1	NA
BASB017	05-Apr-01	(2.5-3.0)	3.7 YH	<1	11 Y	NA	<1	NA
BASB021	29-Mar-01	(0.5-1.0)	2.8 YH	<1	20 Y	<1	NA	NA
BASB021	29-Mar-01	(4.5-5.0)	20 YZ	<0.92	6.1 Y	<0.92	NA	NA
BASB021	29-Mar-01	(9.5-10.0)	4.9 YZ	<1.1	<5	<1.1	NA	NA
BASB021	29-Mar-01	(14.5-15.0)	48 YZ	<1	6.5 Y	<1	NA	NA
BASB021	29-Mar-01	(24.5-25.0)	2.6 YZ	<0.91	<5	<0.91	NA	NA
BASB051	02-Apr-01	(2.5-3.0)	<1	<1	6.4 Y	NA	<1	NA
BASB051	02-Apr-01	(9.5-10.0)	<0.99	<1.1	<5	NA	<1.1	NA
BASB051	02-Apr-01	(14.5-15.0)	<0.99	<0.98	<5	NA	<0.98	NA
BASB051	02-Apr-01	(22.5-23.0)	<1	<0.95	<5	NA	<0.95	NA
BASB081	05-Apr-01	(2.5-3.0)	<1	<0.95	10 Y	NA	<0.95	NA
BASB081	05-Apr-01	(4.5-5.0)	<1	<0.94	5.4 Y	NA	<0.94	NA
BASB081	05-Apr-01	(9.5-10.0)	<0.99	<1.1	<5	NA	<1.1	NA
BASB081	05-Apr-01	(14.5-15.0)	<0.99	<1	<5	NA	<1	NA
BASB081	05-Apr-01	(25.5-26.0)	<1	<0.92	<5	NA	<0.92	NA
Area 7								
BASB018	05-Apr-01	(2.5-3.0)	<1	<0.98	6.1 Y	NA	<0.98	NA
BASB018	05-Apr-01	(5.5-6.0)	1.2 YH	<1.1	7.2 Y	NA	<1.1	NA
BASB018	05-Apr-01	(11.5-12.0)	27 YH	<0.98	130	NA	<0.98	NA
BASB018	05-Apr-01	(14.5-15.0)	<0.99	<1.1	<5	NA	<1.1	NA
BASB018	05-Apr-01	(19.5-20.0)	<0.99	<1.1	<5	NA	<1.1	NA
BASB019	05-Apr-01	(2.0-2.5)	92 YH	<1.1	330	NA	<1.1	NA
BASB019	05-Apr-01	(4.5-5.0)	1.2 YH	<0.94	<5	NA	<0.94	NA
BASB019	05-Apr-01	(9.5-10.0)	<1	<0.99	<5	NA	<0.99	NA
BASB019	05-Apr-01	(14.5-15.0)	<0.99	<0.98	<5	NA	<0.98	NA
BASB019	05-Apr-01	(24.5-25.0)	<1	<1.1	<5	NA	<1.1	NA
BASB052	02-Apr-01	(1.5-2.0)	1.9 YH	<0.91	16 Y	NA	<0.91	NA
BASB052	02-Apr-01	(3.5-4.0)	39 YH	<0.97	290 Y	NA	<0.97	NA
BASB052	02-Apr-01	(9.5-10.0)	<1	<0.98	<5	NA	<0.98	NA
BASB052	02-Apr-01	(14.5-15.0)	<0.99	<0.93	<5	NA	<0.93	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 7								
BASB052	02-Apr-01	(22.5-23.0)	2.4 YH	<0.92	30 Y	NA	<0.92	NA
BASB052	02-Apr-01	(24.5-25.0)	71 HY	<1	480	NA	<1	NA
BASB053	03-Apr-01	(1.5-2.0)	29 YH	<1.1	460 YH	NA	<1.1	NA
BASB053	03-Apr-01	(4.5-5.0)	1.7 YH	<1	25	NA	<1	NA
BASB053	03-Apr-01	(10.5-11.0)	<0.99	<0.97	<5	NA	<0.97	NA
BASB053	03-Apr-01	(14.5-15.0)	<1	<1	<5	NA	<1	NA
BASB053	03-Apr-01	(19.5-20.0)	<0.99	<0.91	<5	NA	<0.91	NA
BASB054	03-Apr-01	(1.5-2.0)	39 YH	<0.96	290	NA	<0.96	NA
BASB054	03-Apr-01	(4.5-5.0)	<0.99	<0.97	7.5 Y	NA	<0.97	NA
BASB054	03-Apr-01	(9.5-10.0)	<0.99	<0.97	<5	NA	<0.97	NA
BASB054	03-Apr-01	(14.5-15.0)	<1	<1.1	<5	NA	<1.1	NA
BASB054	03-Apr-01	(21.5-22.0)	24 YH	<0.93	170	NA	<0.93	NA
BASB055	29-Mar-01	(8.0-8.5)	36 YZ	<0.95	13 Y	<0.95	NA	NA
BASB055	29-Mar-01	(9.5-10.0)	3.4 YHZ	<0.94	20 YH	<0.94	NA	NA
BASB055	29-Mar-01	(14.5-15.0)	32 YZ	<0.93	<5	<0.93	NA	NA
BASB055	29-Mar-01	(20.0-20.5)	37 YZ	<1	6.7 Y	<1	NA	NA
BASB055	29-Mar-01	(24.5-25.0)	3 YZ	<1	<5	<1	NA	NA
BASB056	30-Mar-01	(3.5-4.0)	38 YH	<0.97	120 Y	NA	<0.97	NA
BASB056	30-Mar-01	(5.5-6.0)	6.7 YZH	<1.1	15 Y	NA	<1.1	NA
BASB056	30-Mar-01	(9.5-10.0)	<1	<1	<5	NA	<1	NA
BASB056	30-Mar-01	(14.5-15.0)	<1	<1	<5	NA	<1	NA
BASB056	30-Mar-01	(19.5-20.0)	<1	<0.96	<5	NA	<0.96	NA
BASB056	30-Mar-01	(24.5-25.0)	<1	<0.99	<5	NA	<0.99	NA
BASB057	28-Mar-01	(3.5-4.0)	13 YZ	<0.93	74 Y	<0.93	NA	NA
BASB057	28-Mar-01	(5.5-6.0)	17 YZ	<1.1	<5	<1.1	NA	NA
BASB057	28-Mar-01	(9.5-10.0)	14 YZ	<0.93	<5	<0.93	NA	NA
BASB057	28-Mar-01	(14.5-15.0)	44 YZ	<0.96	<5	<0.96	NA	NA
BASB057	28-Mar-01	(24.5-25.0)	1.5 YZ	<0.95	<5	<0.95	NA	NA
BASB058	21-Mar-01	(3.5-4.0)	45 YH	<0.97	310 Y	<0.97	NA	NA
DUP	21-Mar-01	(5.0-5.5)	23 YZ	<1	<25	<1	NA	NA
BASB058	21-Mar-01	(9.5-10.0)	12 YZ	<0.91	<25	<0.91	NA	NA
BASB058	21-Mar-01	(14.5-15.0)	12 YZ	<0.93	<25	<0.93	NA	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 7								
BASB058	21-Mar-01	(24.5-25.0)	25 YZ	<0.99	<25	<0.99	NA	NA
BASB080	03-Apr-01	(1.5-2.0)	1.4 YH	<0.96	9.8 Y	NA	<0.96	NA
BASB080	03-Apr-01	(4.5-5.0)	2.5 YH	<0.91	17	NA	<0.91	NA
BASB080	03-Apr-01	(9.5-10.0)	<1	<1	<5	NA	<1	NA
BASB080	03-Apr-01	(14.5-15.0)	<0.99	<1	<5	NA	<1	NA
BASB080	03-Apr-01	(23.5-24.0)	<1	<0.99	<5	NA	<0.99	NA
Area 8								
BASB050	20-Mar-01	(2.0-2.5)	6.2 YZ	<0.93	<5	<0.93	NA	NA
BASB050	20-Mar-01	(4.5-5.0)	28 YZ	<1.1	<25	<1.1	NA	NA
BASB050	20-Mar-01	(9.5-10.0)	1.2 YZ	<0.91	<5	<0.91	NA	NA
BASB050	20-Mar-01	(14.5-15.0)	14 YZ	<1.1	<9.9	<1.1	NA	NA
BASB050	20-Mar-01	(24.5-25.0)	28 YZ	<0.95	<25	<0.95	NA	NA
BASB060	05-Apr-01	(0.0-0.5)	3.2 YH	<1.1	21 Y	NA	<1.1	NA
BASB061	05-Apr-01	(0.0-0.5)	14 YH	<0.98	120	NA	<0.98	NA
BASB062	05-Apr-01	(0.0-0.5)	5.4 YH	<1	67	NA	<1	NA
BASB063	05-Apr-01	(0.0-0.5)	6.3 YH	<1	54	NA	<1	NA
BASB065	22-Mar-01	(0.0-0.5)	8.2 YH	<0.93	24 Y	<0.93	NA	NA
Area 9								
BASB088	09-Jul-01	(3.0-3.5)	1.7 Y	<0.96	<5	NA	NA	NA
DUP	09-Jul-01	(3.0-3.5)	<1	<1.1	<5	NA	NA	NA
BASB088	09-Jul-01	(4.5-5.0)	1.9 Y	<0.93	<5	NA	NA	NA
BASB088	09-Jul-01	(9.5-10.0)	<1	<1.1	<5	NA	NA	NA
BASB088	09-Jul-01	(14.5-15.0)	3.2 YH	<1.1	18	NA	NA	NA
BASB088	09-Jul-01	(25.0-25.5)	<1	<1	<5	NA	NA	NA
BASB089	09-Jul-01	(3.0-3.5)	1.7 Y	<1	5 Y	NA	NA	NA
BASB089	09-Jul-01	(4.5-5.0)	<1	<0.95	<5	NA	NA	NA
BASB089	09-Jul-01	(9.5-10.0)	1.8 Y	<0.99	<5	NA	NA	NA
BASB089	09-Jul-01	(14.5-15.0)	2.6 Y	<0.94	<5	NA	NA	NA
BASB089	09-Jul-01	(27.0-27.5)	3.3 Y	<1	<5	NA	NA	NA
BASB090	09-Jul-01	(2.0-2.5)	46 YH	<1	360	NA	NA	NA
DUP	09-Jul-01	(2.0-2.5)	38 YH	<1	310	NA	NA	NA
BASB090	09-Jul-01	(4.5-5.0)	3.4 YH	<0.95	17	NA	NA	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 9								
BASB090	09-Jul-01	(9.5-10.0)	1.2 Y	<1.1	<5	NA	NA	NA
BASB090	09-Jul-01	(14.5-15.0)	2.6 Y	<1	<5	NA	NA	NA
BASB090	09-Jul-01	(25.0-25.5)	2.8 YH	<1	29	NA	NA	NA

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

bgs = below ground surface
b = Continuing calibration verification percent difference was slightly above acceptance limits in batch.
DUP = Duplicate sample
H = Heavier hydrocarbons contributed to the quantitation.
J = Reported value is estimated.
L = Lighter hydrocarbons contributed to the quantitation.
NA = Not analyzed
Y = Sample exhibits fuel pattern which does not resemble standard.
Z = Sample exhibits unknown single peak or peaks.
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
TPHmo = total petroleum hydrocarbons as motor oil
TPHms = total petroleum hydrocarbons as mineral spirits
TPHpt = total petroleum hydrocarbons as paint thinner
TPHss = total petroleum hydrocarbons as stoddard solvent
Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for all compounds using EPA test method 8015 modified.

Table 7
Volatile Organic Compounds Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Acetone	Methylene chloride
Area 1				
BASB036	22-Mar-01	(3.5-4.0)	<0.019	<0.019
DUP	22-Mar-01	(5.0-5.5)	<0.019	<0.019
BASB036	22-Mar-01	(9.5-10.0)	<0.02	<0.02
BASB036	22-Mar-01	(14.5-15.0)	<0.02	<0.02
BASB036	22-Mar-01	(24.5-25.0)	<0.019	<0.019
BASB037	22-Mar-01	(4.5-5.0)	0.025	<0.02
BASB037	22-Mar-01	(9.5-10.0)	<0.02	<0.02
BASB037	22-Mar-01	(14.5-15.0)	<0.019	<0.019
BASB037	22-Mar-01	(24.5-25.0)	<0.019	<0.019
BASB029	23-Mar-01	(3.5-4.0)	<0.019	<0.019
DUP	23-Mar-01	(4.5-5.0)	<0.019	<0.019
BASB029	23-Mar-01	(9.5-10.0)	<0.02	<0.02
BASB029	23-Mar-01	(14.5-15.0)	<0.02	<0.02
BASB029	23-Mar-01	(19.5-20.0)	<0.019	<0.019
BASB029	23-Mar-01	(24.5-25.0)	<0.02	<0.02
BASB030	23-Mar-01	(4.5-5.0)	<0.02	<0.02
BASB030	23-Mar-01	(9.5-10.0)	<0.02	<0.02
BASB030	23-Mar-01	(14.5-15.0)	<0.021	<0.021
BASB030	23-Mar-01	(19.5-20.0)	<0.019	<0.019
BASB030	23-Mar-01	(24.5-25.0)	<0.02	<0.02
BASB070	03-Apr-01	(22.5-23.0)	<0.021	<0.021
BASB070	03-Apr-01	(24.5-25.0)	<0.02	<0.02
BASB071	03-Apr-01	(19.5-20.0)	<0.019	<0.019
BASB071	03-Apr-01	(22.5-23.0)	<0.019	<0.019
BASB071	03-Apr-01	(24.5-25.0)	<0.02	<0.02
BASB082	05-Apr-01	(1.5-2.0)	<0.02	<0.02
BASB082	05-Apr-01	(4.5-5.0)	<0.021	<0.021
BASB082	05-Apr-01	(11.5-12.0)	<0.019	0.034
BASB082	05-Apr-01	(14.5-15.0)	<0.02	<0.02
BASB082	05-Apr-01	(19.5-20.0)	<0.019	0.034
Area 2				
BASB008	21-Mar-01	(3.5-4.0)	<0.02	<0.02
DUP	21-Mar-01	(4.5-5.0)	<0.019	<0.019
BASB008	21-Mar-01	(9.5-10.0)	<0.019	<0.019
BASB008	21-Mar-01	(14.5-15.0)	<0.019	<0.019
BASB008	21-Mar-01	(24.5-25.0)	<0.019	<0.019

Table 7
Volatile Organic Compounds Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Acetone	Methylene chloride
Area 2				
BASB006	31-Mar-01	(1.5-2.0)	<0.02	<0.02
BASB006	31-Mar-01	(5.5-6.0)	<0.02	<0.02
BASB006	31-Mar-01	(9.5-10.0)	<0.02	<0.02
BASB006	31-Mar-01	(14.5-15.0)	<0.019	<0.019
BASB006	31-Mar-01	(26.5-27.0)	<0.02	<0.02
BASB007	31-Mar-01	(1.5-2.0)	<0.02	<0.02
BASB007	31-Mar-01	(4.5-5.0)	<0.019	<0.019
BASB007	31-Mar-01	(9.5-10.0)	<0.019	<0.019
BASB007	31-Mar-01	(14.5-15.0)	<0.019	<0.019
BASB007	31-Mar-01	(25.5-26.0)	<0.02	<0.02
Area 4				
DUP	19-Mar-01	(4.0-4.5)	<0.02	<0.02
BASB012	19-Mar-01	(9.5-10.0)	<0.02	<0.02
BASB012	19-Mar-01	(14.5-15.0)	<0.02	<0.02
BASB012	19-Mar-01	(24.0-24.5)	<0.02	<0.02
BASB013	20-Mar-01	(2.5-3.0)	<0.021	<0.021
BASB013	20-Mar-01	(4.5-5.0)	<0.019	<0.019
BASB013	20-Mar-01	(9.5-10.0)	<0.02	<0.02
BASB013	20-Mar-01	(14.5-15.0)	<0.019	<0.019
BASB016	04-Apr-01	(2.0-2.5)	<0.02	<0.02
BASB016	04-Apr-01	(5.5-6.0)	<0.019	<0.019
BASB016	04-Apr-01	(9.5-10.0)	<0.019	<0.019
BASB016	04-Apr-01	(14.5-15.0)	<0.022	<0.022
BASB016	04-Apr-01	(24.5-25.0)	<0.019	<0.019
Area 5				
BASB022	04-Apr-01	(1.5-2.0)	<0.019	<0.019
BASB022	04-Apr-01	(4.5-5.0)	<0.019	<0.019
BASB022	04-Apr-01	(9.5-10.0)	<0.02	<0.02
BASB022	04-Apr-01	(14.5-15.0)	<0.019	<0.019
BASB022	04-Apr-01	(20.5-21.0)	<0.019	<0.019
Area 6				
BASB081	05-Apr-01	(2.5-3.0)	<0.02	<0.02
BASB081	05-Apr-01	(4.5-5.0)	<0.019	<0.019
BASB081	05-Apr-01	(9.5-10.0)	<0.021	<0.021
BASB081	05-Apr-01	(14.5-15.0)	<0.02	<0.02
BASB081	05-Apr-01	(25.5-26.0)	<0.021	<0.021

Table 7
Volatile Organic Compounds Detected in Soil
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Acetone	Methylene chloride
Area 7				
BASB058	21-Mar-01	(3.5-4.0)	<0.019	<0.019
DUP	21-Mar-01	(5.0-5.5)	<0.02	<0.02
BASB058	21-Mar-01	(9.5-10.0)	<0.019	<0.019
BASB058	21-Mar-01	(14.5-15.0)	<0.02	<0.02
BASB058	21-Mar-01	(24.5-25.0)	<0.02	<0.02
Area 8				
BASB050	20-Mar-01	(2.0-2.5)	<0.02	<0.02
BASB050	20-Mar-01	(4.5-5.0)	<0.02	<0.02
BASB050	20-Mar-01	(9.5-10.0)	<0.019	<0.019
BASB050	20-Mar-01	(14.5-15.0)	<0.02	<0.02
BASB050	20-Mar-01	(24.5-25.0)	<0.019	<0.019
Area 9				
BASB088	09-Jul-01	(3.0-3.5)	<0.02	0.025
DUP	09-Jul-01	(3.0-3.5)	<0.019	0.028
BASB088	09-Jul-01	(4.5-5.0)	<0.02	<0.02
BASB088	09-Jul-01	(9.5-10.0)	<0.02	<0.02
BASB088	09-Jul-01	(14.5-15.0)	<0.019	<0.019
BASB088	09-Jul-01	(25.0-25.5)	<0.02	<0.02
BASB089	09-Jul-01	(3.0-3.5)	<0.019	0.02
BASB089	09-Jul-01	(4.5-5.0)	<0.019	<0.019
BASB089	09-Jul-01	(9.5-10.0)	<0.02	<0.02
BASB089	09-Jul-01	(14.5-15.0)	<0.021	<0.021
BASB089	09-Jul-01	(27.0-27.5)	<0.019	0.02
BASB090	09-Jul-01	(2.0-2.5)	<0.02	<0.02
DUP	09-Jul-01	(2.0-2.5)	<0.02	0.025
BASB090	09-Jul-01	(4.5-5.0)	<0.02	<0.02
BASB090	09-Jul-01	(9.5-10.0)	<0.019	<0.019
BASB090	09-Jul-01	(14.5-15.0)	<0.019	<0.019
BASB090	09-Jul-01	(25.0-25.5)	<0.021	0.06

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

bgs = Below ground surface

DUP = Duplicate sample

VOCs= Volatile organic compounds

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for VOCs using EPA test method 8260B.

Table 8
Semivolatile Organic Compounds Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	B(a)A	B(a)P	B(b)F	B(g,h,i)P	CHR	D(a,h)A	DEHP	I(1,2,3-cd)P	Phenol	PYR
Area 1												
BASB082	05-Apr-01	(1.50-2.00)	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
BASB082	05-Apr-01	(4.50-5.00)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.34	<0.05	<0.34	<0.05
BASB082	05-Apr-01	(11.50-12.00)	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.34	<0.051	<0.34	<0.051
BASB082	05-Apr-01	(14.50-15.00)	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
BASB082	05-Apr-01	(19.50-20.00)	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.34	<0.051	<0.34	<0.051
Area 6												
BASB002	31-Mar-01	(2.50-3.00)	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.87	<0.33	0.82	<0.33
BASB005	31-Mar-01	(2.50-3.00)	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
BASB011	05-Apr-01	(2.50-3.00)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.33	<0.05	<0.33	<0.05
BASB017	05-Apr-01	(2.50-3.00)	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<3.3	<0.49	<3.3	<0.49
BASB051	02-Apr-01	(9.50-10.00)	<0.049 J	<0.049 J	<0.049 J	<0.049 J	<0.049 J	<0.049 J	<0.33 J	<0.049 J	<0.33 J	<0.049 J
RE	02-Apr-01	(9.50-10.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J
BASB051	02-Apr-01	(22.50-23.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J
RE	02-Apr-01	(22.50-23.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.34 J	<0.05 J	<0.34 J	<0.05 J
BASB081	05-Apr-01	(25.50-26.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J
RE	05-Apr-01	(25.50-26.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J
Area 7												
BASB019	05-Apr-01	(4.50-5.00)	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.34	<0.051	<0.34	<0.051
BASB052	02-Apr-01	(3.50-4.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J
RE	02-Apr-01	(3.50-4.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J
BASB052	02-Apr-01	(24.50-25.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J

Table 8
Semivolatile Organic Compounds Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	B(a)A	B(a)P	B(b)F	B(g,h,i)P	CHR	D(a,h)A	DEHP	I(1,2,3-cd)P	Phenol	PYR
Area 7												
RE	02-Apr-01	(24.50-25.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

DUP = Duplicate sample

J = Reported value is estimated.

bgs = Below ground surface

RE = Samples were re-extracted and reanalyzed because QC did not meet laboratory criteria.

SVOCs= Semivolatile organic compounds

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for SVOCs using EPA method 8270C.

B(a)A = Benzo(a)anthracene

B(a)P = Benzo(a)pyrene

B(b)F = Benzo(b)fluoranthene

B(g,h,i)P = Benzo(g,h,i)perylene

CHR = Chrysene

D(a,h)A = Dibenzo(a,h)anthracene

DEHP = Bis(2-Ethylhexyl) phthalate

I(1,2,3-cd)P = Indeno(1,2,3-c,d)pyrene

PYR = Pyrene

Table 9
Polynuclear Aromatic Hydrocarbons Detected in Soil
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	B(a)A	B(a)P	B(b)F	B(g,h,i)P	CHR	D(a,h)A	I(1,2,3-cd)P	PYR
Area 1										
BASB082	05-Apr-01	(1.5-2.0)	<0.0033	0.0081	<0.0068	<0.0068	0.0047	0.011	<0.0033	0.0091
BASB082	05-Apr-01	(4.5-5.0)	<0.0033	<0.0033	<0.0067	<0.0067	<0.0033	<0.0067	<0.0033	<0.0067
BASB082	05-Apr-01	(11.5-12.0)	<0.0033	<0.0033	<0.0068	<0.0068	<0.0033	<0.0068	<0.0033	<0.0068
BASB082	05-Apr-01	(14.5-15.0)	<0.0033	<0.0033	<0.0068	<0.0068	<0.0033	<0.0068	<0.0033	<0.0068
BASB082	05-Apr-01	(19.5-20.0)	<0.0034	<0.0034	<0.0069	<0.0069	<0.0034	<0.0069	<0.0034	<0.0069
Area 6										
BASB002	31-Mar-01	(2.5-3.0)	<0.013	<0.013	<0.027	<0.027	0.062	<0.027	<0.013	<0.027
BASB005	31-Mar-01	(2.5-3.0)	<0.0033	<0.0033	<0.0067	<0.0067	<0.0033	<0.0067	<0.0033	<0.0067
BASB011	05-Apr-01	(2.5-3.0)	0.0036 J	0.0079 J	0.0067 J	0.0071 J	0.0064 J	0.016 J	0.0059 J	0.0097
BASB017	05-Apr-01	(2.5-3.0)	<0.0033	<0.0033	<0.0068	<0.0068	<0.0033	<0.0068	<0.0033	<0.0068
Area 7										
BASB019	05-Apr-01	(4.5-5.0)	<0.0034	<0.0034	<0.0068	<0.0068	<0.0034	<0.0068	<0.0034	<0.0068

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

bgs = Below ground surface
DUP = Duplicate sample
J = Reported value is estimated.
PAH = Polyaromatic hydrocarbons
Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for PAHs using EPA test method 8310.

B(a)A = Benzo(a)anthracene
B(a)P = Benzo(a)pyrene
B(b)F = Benzo(b)fluoranthene
B(g,h,i)P = Benzo(g,h,i)perylene
CHR = Chrysene
D(a,h)A = Dibenzo(a,h)anthracene
I(1,2,3-cd)P = Indeno(1,2,3-c,d)pyrene
PYR = Pyrene

Table 10
Organochlorine Pesticides Detected in Soil
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	4,4'-DDT	alpha-Chlordane	gamma-Chlordane
Area 8					
BASB061	05-Apr-01	(0.0-0.5)	0.012	0.012	0.0075
BASB065	22-Mar-01	(0.0-0.5)	<0.06	<0.03	<0.03

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

bgs = below ground surface

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for organochlorine pesticides using EPA test method 8081A.

4,4'-DDT = Dichlorodiphenyltrichloroethane

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 1																		
BASB026	28-Mar-01	(3.5-4.0)	<0.24	3	130	0.36	1.7	7.9	28	18	0.097	<0.97	46	22	0.44	<0.24	26	46
BASB026	28-Mar-01	(6.5-7.0)	<0.24	3.5	110	0.45	1.5	7.6	31	19	0.031	<0.95	45	6	<0.24	<0.24	26	37
BASB026	28-Mar-01	(9.5-10.0)	<0.24	2.7	110	0.48	1.5	7.2	33	17	0.05	<0.94	45	6.1	<0.24	<0.24	24	36
BASB026	28-Mar-01	(14.5-15.0)	<0.25	2.5	130	0.51	1.8	8.5	39	21	0.076	<0.99	59	5.9	<0.25	<0.25	25	45
BASB026	28-Mar-01	(24.5-25.0)	<0.24	3.8	130	0.44	1.7	8	38	19	0.046	<0.98	57	6.1	<0.24	0.39	28	37
BASB027	27-Mar-01	(3.5-4.0)	<0.24	5.4	290	0.33	2	6.9	28	29	0.05	<0.96	41	74	0.29	<0.24	26	140
BASB027	27-Mar-01	(6.0-6.5)	<0.24	2	43	0.18	0.85	3.8	16	6.2	0.024	<0.96	24	2.4	<0.24	<0.24	13	17
BASB027	27-Mar-01	(9.5-10.0)	<0.24	3.2	130	0.44	1.5	7.1	29	16	0.059	<0.95	45	6.3	<0.24	<0.24	24	35
BASB027	27-Mar-01	(14.5-15.0)	<0.23	3.4	170	0.54	2.2	9.2	42	24	1.1	<0.93	62	7.1	<0.23	<0.23	29	51
BASB027	27-Mar-01	(24.5-25.0)	<0.24	2.8	110	0.35	1.5	8.7	33	16	0.044	<0.97	58	5.2	0.34	0.39	22	34
BASB028	27-Mar-01	(0.5-1.0)	<0.24	7.8	170	0.35	1.8	7.1	29	25	0.16	<0.96	43	83	0.26	0.27	23	120
BASB028	27-Mar-01	(3.5-4.0)	<0.23	3.2	130	0.38	1.8	9.3	30	16	0.047	<0.94	54	5.4	<0.23	0.43	25	38
BASB028	27-Mar-01	(6.5-7.0)	<0.24	3.6	170	0.48	2	9	35	22	0.1	<0.95	53	6.7	<0.24	<0.24	31	43
BASB028	27-Mar-01	(9.5-10.0)	<0.23	2.9	130	0.43	1.6	6	29	16	0.025	<0.91	44	5.9	<0.23	<0.23	24	35
BASB028	27-Mar-01	(14.5-15.0)	<0.25	3.1	150	0.49	1.9	8.7	35	22	0.19	<1	54	6.3	<0.25	<0.25	25	44
BASB028	27-Mar-01	(24.5-25.0)	<0.23	2.6	110	0.32	1.5	8.1	29	17	0.047	<0.91	53	5.4	<0.23	0.5	21	31
BASB029	23-Mar-01	(3.5-4.0)	<0.23	4.3	120	0.57	2	10	38	20 J	0.046	<0.93	60	6.8	<0.23	0.53	37	49
DUP	23-Mar-01	(4.5-5.0)	<0.23	3.4	100	0.43	1.3	7.9	29	12 J	0.028	<0.91	50	4.6	<0.23	0.75	26	32
BASB029	23-Mar-01	(9.5-10.0)	<0.23	2.6	110	0.54	1.5	5.6	32	16 J	0.043	<0.9	44	5.6	<0.23	<0.23	28	40
BASB029	23-Mar-01	(14.5-15.0)	<0.23	3.1	140	0.66	2	9.7	42	23 J	0.13	<0.94	61	7	<0.23	0.55	35	55
BASB029	23-Mar-01	(19.5-20.0)	<0.24	4.8	150	0.61	2	7.8	42	21 J	0.073	<0.96	58	5.9	<0.24	<0.24	37	54
BASB029	23-Mar-01	(24.5-25.0)	<0.25	3	96	0.43	1.4	5.9	34	15 J	0.29	<0.99	46	4.4	<0.25	<0.25	28	37
BASB030	23-Mar-01	(4.5-5.0)	<0.24	3.6	120	0.35	2	6.8	29	15 J	0.033	<0.97	46	4.5	<0.24	<0.24	29	38

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 1																		
BASB030	23-Mar-01	(9.5-10.0)	<0.24	4.9	110	0.63	1.9	9.3	38	19 J	0.06	<0.96	57	7.1	<0.24	0.3	37	46
BASB030	23-Mar-01	(14.5-15.0)	<0.23	3.1	110	0.65	2.1	10	43	22 J	0.088	<0.93	62	7.3	<0.23	0.42	36	55
BASB030	23-Mar-01	(19.5-20.0)	<0.24	4.6	150	0.67	2.1	7.5	44	25 J	0.063	<0.95	61	8.1	<0.24	<0.24	38	59
BASB030	23-Mar-01	(24.5-25.0)	<0.24	4.6	100	0.47	1.7	11	34	18 J	0.049	<0.95	61	6.7	<0.24	0.69	31	38
BASB031	26-Mar-01	(3.5-4.0)	<0.24	3.2	130	0.48	1.9	8.9	33	19	0.045	<0.97	57	8.5	0.38	0.38	28	45
BASB031	26-Mar-01	(6.5-7.0)	<0.24	2.6	150	0.46	1.5	9	31	17	0.056	<0.95	46	6.7	<0.24	0.36	24	35
BASB031	26-Mar-01	(9.5-10.0)	<0.23	2.3	160	0.51	1.7	7.5	35	18	0.038	<0.93	54	8.1	<0.23	<0.23	27	40
BASB031	26-Mar-01	(14.5-15.0)	<0.23	2.6	170	0.56	2	9.8	39	22	0.084	<0.93	62	7.9	<0.23	<0.23	26	50
BASB031	26-Mar-01	(22.5-23.0)	<0.25	2.3	120	0.37	1.6	6.9	35	18	0.047	<0.98	53	4.7	<0.25	<0.25	24	38
BASB031	26-Mar-01	(24.5-25.0)	<0.24	2.8	110	0.29	1.4	9.4	26	15	0.045	<0.97	54	5.3	<0.24	<0.24	19	30
BASB032	26-Mar-01	(3.5-4.0)	<0.25	2.9	110	0.36	1.5	8.1	28	15	0.021	<0.99	46	7.5	0.54	<0.25	24	38
DUP	26-Mar-01	(4.5-5.0)	<0.25	1.8	71	0.22	1.1	6.6	19	9.3	0.022	<0.98	36	3.3	<0.25	<0.25	16	24
BASB032	26-Mar-01	(9.0-9.5)	<0.24	3	170	0.49	1.7	9	33	18	0.069	<0.97	54	8.2	<0.24	<0.24	26	39
BASB032	26-Mar-01	(14.5-15.0)	<0.25	1.8	140	0.49	1.7	7.8	34	19	0.15	<0.99	53	6.6	<0.25	<0.25	22	46
BASB032	26-Mar-01	(24.5-25.0)	<0.24	2.8	120	0.33	1.6	8.3	28	16	0.069	<0.97	58	5.4	<0.24	1.1	22	33
BASB033	26-Mar-01	(3.5-4.0)	<0.25	6	340	0.33	2.7	7.4	30	41	0.049	<0.98	44	160	0.42	<0.25	25	430
BASB033	26-Mar-01	(6.0-6.5)	<0.24	2	63	0.23	1	5	19	8.6	0.024	<0.97	30	3.4	<0.24	<0.24	17	24
BASB033	26-Mar-01	(9.5-10.0)	<0.24	3.1	120	0.46	1.6	5.7	31	16	0.067	<0.96	41	5.6	<0.24	<0.24	25	36
BASB033	26-Mar-01	(14.5-15.0)	<0.24	3	130	0.44	1.7	7.9	31	18	0.16	<0.96	51	6.1	<0.24	<0.24	24	41
BASB033	26-Mar-01	(24.5-25.0)	<0.24	3	120	0.38	1.8	8.9	38	18	0.055	<0.96	61	5.7	0.26	0.31	26	39
BASB034	27-Mar-01	(3.5-4.0)	<0.25	5.7	130	0.35	2	8.1	29	22	0.04	<0.98	46	24	0.5	<0.25	25	85
BASB034	27-Mar-01	(6.25-6.75)	<0.23	2.1	53	0.2	1	5.2	17	8.7	0.055	<0.92	29	3.1	<0.23	<0.23	15	22
BASB034	27-Mar-01	(9.5-10.0)	<0.24	2.9	110	0.41	1.4	6.6	26	16	0.067	<0.96	38	6.6	<0.24	<0.24	22	32

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 1																		
BASB034	27-Mar-01	(14.5-15.0)	<0.24	2.3	130	0.45	1.7	8.3	31	19	0.22	<0.98	51	7	<0.24	<0.24	22	42
BASB034	27-Mar-01	(24.5-25.0)	<0.24	3	97	0.32	1.5	5	29	16	0.072	<0.94	42	5.9	<0.24	<0.24	23	32
BASB036	22-Mar-01	(3.5-4.0)	<0.21	0.68	48	0.38	3.1	7.9	2.1	14	0.18	<0.83	19 J	4.9	0.45	0.28	27	64 J
DUP	22-Mar-01	(5.0-5.5)	<0.2	4.2	150	0.47	2.1	9.3	38	19	0.041	<0.81	52 J	5.9	<0.2	<0.2	31	44 J
BASB036	22-Mar-01	(9.5-10.0)	<0.24	3.5	100	0.5	1.9	8.4	35	17	0.046	<0.94	53 J	6.2	<0.24	<0.24	25	41 J
BASB036	22-Mar-01	(14.5-15.0)	<0.23	3.5	130	0.49	2.2	8.8	42	20	0.06	<0.93	57 J	6.6	<0.23	<0.23	29	47 J
BASB036	22-Mar-01	(24.5-25.0)	<0.19	3.5	120	0.42	1.7	7.2	38	18	0.055	<0.75	50 J	5.2	<0.19	<0.19	25	39 J
BASB037	22-Mar-01	(4.5-5.0)	<0.25	2.6	130	0.45	1.6	6.2	35	22	0.069	<0.99	47 J	14	<0.25	<0.25	27	52 J
BASB037	22-Mar-01	(9.5-10.0)	<0.22	3.1	170	0.49	1.9	8.6	35	17	0.054	<0.88	60 J	6.1	0.22	<0.22	24	41 J
BASB037	22-Mar-01	(14.5-15.0)	<0.23	4.8	160	0.59	2.6	8.5	50	23	0.067	<0.93	69 J	6.8	<0.23	<0.23	35	56 J
BASB037	22-Mar-01	(24.5-25.0)	<0.23	2.3	100	0.36	1.6	5.4	36	15	0.12	<0.93	49 J	3.6	<0.23	<0.23	22	38 J
BASB070	03-Apr-01	(3.0-3.5)	<0.21	4.1	140	0.44	1.9	8.6	33	20	0.057	<0.84	51	27	<0.21	<0.21	29	70 J
BASB070	03-Apr-01	(6.0-6.5)	<0.2	1.5	72	0.22	0.82	4.2	17	8.1	0.063	<0.81	29	3	<0.2	<0.2	14	21
BASB070	03-Apr-01	(9.5-10.0)	<0.2	2.5	140	0.44	1.3	8.5	25	14	0.043	<0.81	50	5.4	<0.2	0.34	19	32
BASB070	03-Apr-01	(14.5-15.0)	<0.22	2.5	130	0.49	1.6	7.8	30	17	0.058	<0.87	53	5.7	<0.22	0.45	19	41
BASB070	03-Apr-01	(22.5-23.0)	<0.2	3	120	0.44	1.7	9.9	41	19	0.06	<0.81	60	5.4	<0.2	0.21	25	42
BASB070	03-Apr-01	(24.5-25.0)	<0.22	2.4	100	0.34	1.3	7.8	26	14	0.044	<0.87	47	4.8	0.34	0.39	19	31
BASB071	03-Apr-01	(1.5-2.0)	<0.21	4.1	170	0.35	2	6.9	26	35	0.23	<0.82	38	130	0.49	<0.21	21	240
BASB071	03-Apr-01	(6.5-7.0)	<0.23	3.6	140	0.52	1.6	8.1	32	17	0.039	<0.91	42	6.5	<0.23	<0.23	28	38
BASB071	03-Apr-01	(9.5-10.0)	<0.23	3.5	160	0.53	1.6	9.2	33	17	0.058	<0.91	56	6.6	<0.23	0.33	23	37 J
BASB071	03-Apr-01	(14.5-15.0)	<0.22	2.8	150	0.56	1.8	8	37	20	0.064	<0.89	58	6.3	<0.22	<0.22	24	48 J
BASB071	03-Apr-01	(18.5-19.0)	<0.22	5.1	180	0.53	2.2	9.9	40	21	0.069	<0.87	64	6.2	<0.22	<0.22	34	48 J
BASB071	03-Apr-01	(19.5-20.0)	<0.22	2.2	150	0.46	1.7	11	37	20	0.054	<0.9	53	5.9	<0.22	<0.22	24	47

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 1																		
BASB071	03-Apr-01	(22.5-23.0)	<0.2	2.9	140	0.43	1.6	8	37	19	0.049	<0.82	54	5.9	<0.2	<0.2	27	37 J
BASB071	03-Apr-01	(24.5-25.0)	<0.23	3.4	120	0.4	1.5	8.2	34	17	0.048	<0.92	54	5.9	<0.23	<0.23	25	35 J
BASB072	05-Apr-01	(2.0-2.5)	<0.24	4.7	170	0.4	1.9	7.5	30	23	0.13	<0.94	44	44	<0.24	<0.24	28	110
BASB072	05-Apr-01	(5.5-6.0)	<0.2	2.6	77	0.31	1.2	5.1	24	11	0.035	<0.81	35	3.8	<0.2	<0.2	19	25
BASB072	05-Apr-01	(9.5-10.0)	<0.23	2.9	110	0.41	1.3	5.7	26	11	0.046	<0.91	40	4.4	<0.23	<0.23	21	27
BASB072	05-Apr-01	(14.5-15.0)	<0.23	2.5	130	0.48	1.6	7.6	32	17	0.069	<0.93	48	5.3	<0.23	<0.23	22	40
BASB072	05-Apr-01	(24.5-25.0)	<0.25	3.4	110	0.36	1.5	9.7	28	16	0.057	<0.99	58	5.4	<0.25	0.6	22	30
BASB073	02-Apr-01	(2.5-3.0)	<0.23	3.3	140	0.34	1.8	7.5	26	28	0.066	<0.91	42	16	<0.23	<0.23	26	60
BASB073	02-Apr-01	(4.5-5.0)	<0.22	2.9	110	0.34	1.5	5.9	27	14	0.15	<0.87	46	4.4	<0.22	<0.22	22	33
BASB073	02-Apr-01	(9.5-10.0)	<0.22	2	94	0.31	0.93	4.6	17	9.3	0.051	<0.87	34	3.9	<0.22	0.24	11	24
BASB073	02-Apr-01	(14.5-15.0)	<0.21	1.7	86	0.31	0.97	5.1	18	11	0.052	<0.84	33	3.9	<0.21	<0.21	11	26
BASB073	02-Apr-01	(19.5-20.0)	<0.22	1.4	100	0.3	1.1	6.5	21	12	0.05	<0.88	37	4.5	<0.22	<0.22	12	32
BASB073	02-Apr-01	(24.5-25.0)	<0.22	3.3	99	0.31	1.4	8	26	15	0.052	<0.89	50	5.6	<0.22	<0.22	19	31
BASB074	02-Apr-01	(2.5-3.0)	<0.22	4	120	0.39	1.9	7.4	30	17	0.036	<0.9	53	5.8	<0.22	<0.22	27	41
BASB074	02-Apr-01	(9.5-10.0)	<0.23	1.8	98	0.32	0.99	3.9	19	10	0.057	<0.92	29	4	<0.23	<0.23	12	24
BASB074	02-Apr-01	(14.5-15.0)	<0.24	2.2	110	0.37	1.3	5.9	24	13	0.076	<0.95	41	4.6	<0.24	<0.24	14	36
BASB074	02-Apr-01	(24.5-25.0)	<0.22	2.8	96	0.29	1.4	8.1	26	13	0.054	<0.88	48	8.1	<0.22	<0.22	19	28
BASB075	02-Apr-01	(6.5-7.0)	<0.22	3.2	140	0.42	1.5	6.6	26	16	0.023	<0.88	42	5.4	0.3	0.61	20	33
BASB075	02-Apr-01	(9.5-10.0)	<0.23	3.3	160	0.44	1.6	8	28	15	0.061	<0.93	60	7.1	<0.23	0.84	19	33
BASB075	02-Apr-01	(14.5-15.0)	<0.2	2	91	0.33	1.1	5.4	21	12	0.064	<0.82	37	4.1	<0.2	<0.2	12	29
BASB075	02-Apr-01	(24.5-25.0)	<0.23	1.6	88	0.24	1	4.1	22	9.8	0.051	<0.92	31	3.4	<0.23	<0.23	12	25
BASB076	30-Mar-01	(3.5-4.0)	<0.21	6.5	130	0.46	1.9	9.5	31	19	0.047	<0.82	47	12	0.51	0.28	37	49 J
BASB076	30-Mar-01	(6.5-7.0)	<0.22	3.9	150	0.52	1.7	10	34	17	0.025	<0.89	51	5.6	0.53	0.52	31	38 J

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 1																		
BASB076	30-Mar-01	(9.5-10.0)	<0.22	3.6	140	0.53	1.7	8	35	17	0.06	<0.87	51	5.7	<0.22	0.25	27	39 J
BASB076	30-Mar-01	(14.5-15.0)	<0.22	4.6	150	0.63	2.2	10	45	23	0.04	<0.86	67	7.4	0.28	<0.22	33	53 J
BASB076	30-Mar-01	(19.5-20.0)	<0.23	7.6	210	0.61	2.5	12	45	25	0.055	<0.9	65	7.2	0.37	0.77	40	57 J
BASB076	30-Mar-01	(24.5-25.0)	<0.23	4.4	120	0.44	1.8	9.9	38	19	0.054	<0.93	58	6	0.32	0.29	31	38 J
BASB077	30-Mar-01	(3.5-4.0)	<0.22	2.9	130	0.31	1.5	5.7	23	18	0.087	<0.86	32	30	0.22	<0.22	24	55 J
DUP	30-Mar-01	(4.5-5.0)	<0.24	3.7	110	0.47	1.6	5.6	33	15	0.036	<0.94	44	5	0.33	<0.24	30	34 J
BASB077	30-Mar-01	(9.5-10.0)	<0.23	4.8	92	0.56	1.8	8.4	39	19	0.069	<0.91	53	6	<0.23	<0.23	33	41 J
BASB077	30-Mar-01	(14.5-15.0)	<0.2	2.7	140	0.51	1.8	8.8	35	19	0.027	<0.82	50	6	<0.2	<0.2	25	43 J
BASB077	30-Mar-01	(19.5-20.0)	<0.22	5.4	150	0.49	2	13	39	20	0.044	<0.86	60	6.8	<0.22	0.82	32	44 J
BASB077	30-Mar-01	(24.5-25.0)	<0.22	4.5	150	0.43	1.6	11	36	16	0.067	<0.89	55	5.6	0.44	0.51	29	34 J
BASB078	05-Apr-01	(3.5-4.0)	<0.21	3.9	120	0.42	1.8	9.6	29	18	0.073	<0.83	46	20	0.26	0.92	26	50
BASB078	05-Apr-01	(6.5-7.0)	<0.22	5.7	190	0.62	2.6	14	46	24	0.034	<0.87	70	7.2	<0.22	0.46	42	51
BASB078	05-Apr-01	(9.5-10.0)	<0.23	2.2	120	0.42	1.3	4.6	26	13	0.059	<0.93	35	4.6	<0.23	<0.23	17	30
BASB078	05-Apr-01	(14.5-15.0)	<0.23	2.4	91	0.36	1.1	5.6	24	12	0.046	<0.91	37	4.4	0.34	0.46	15	29
BASB078	05-Apr-01	(24.5-25.0)	<0.22	3.6	100	0.36	1.5	9.6	30	16	0.051	<0.89	51	5.9	<0.22	0.53	22	32
BASB082	05-Apr-01	(1.5-2.0)	<0.23	4.1	86	0.31	1.3	5.7	21	12	0.12	<0.93	32	9.6	0.41	<0.23	20	36
BASB082	05-Apr-01	(4.5-5.0)	<0.22	1.9	54	0.22	0.82	3.5	15	7.5	0.024	<0.88	24	2.5	<0.22	<0.22	14	19
BASB082	05-Apr-01	(11.5-12.0)	<0.21	2.6	110	0.39	1.2	7.5	25	13	0.063	<0.85	41	4.6	<0.21	<0.21	18	31
BASB082	05-Apr-01	(14.5-15.0)	<0.24	3.4	130	0.47	1.6	7.5	33	18	0.086	<0.97	49	5.3	<0.24	<0.24	22	40
BASB082	05-Apr-01	(19.5-20.0)	<0.22	3.2	120	0.39	1.4	6	27	16	0.053	<0.87	41	5	<0.22	<0.22	21	35
Area 2																		
BASB006	31-Mar-01	(1.5-2.0)	<0.23	2.6	98	0.34	1.6	6.4	15	14	0.056	<0.9	29	4.2	<0.23	0.49	17	34 J
BASB006	31-Mar-01	(5.5-6.0)	<0.22	3.4	150	0.52	1.7	7.1	34	18	0.029	<0.9	47	5.8	<0.22	<0.22	26	40 J

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 2																		
BASB006	31-Mar-01	(9.5-10.0)	<0.23	4	160	0.5	1.7	7.7	34	17	0.13	<0.93	52	5.6	<0.23	<0.23	26	38 J
BASB006	31-Mar-01	(14.5-15.0)	<0.22	3.3	140	0.51	1.8	8.3	37	20	0.068	<0.87	56	5.9	<0.22	<0.22	25	45 J
BASB006	31-Mar-01	(26.5-27.0)	<0.22	2.6	190	0.34	1.4	7.5	29	14	0.053	<0.88	48	4.3	0.32	0.93	21	32 J
BASB007	31-Mar-01	(1.5-2.0)	<0.2	5.6	130	0.39	1.7	7.5	30	15	0.031	<0.82	45	6.7	<0.2	<0.2	27	35 J
BASB007	31-Mar-01	(4.5-5.0)	<0.23	3.2	160	0.56	1.6	7.5	34	18	0.023	<0.92	47	6.2	<0.23	<0.23	25	41 J
BASB007	31-Mar-01	(9.5-10.0)	<0.24	3.3	170	0.51	1.7	8.4	35	19	0.072	<0.95	54	5.9	<0.24	<0.24	26	41 J
BASB007	31-Mar-01	(14.5-15.0)	<0.23	3	140	0.49	1.7	6.9	36	19	0.076	<0.91	49	5.7	<0.23	<0.23	22	43 J
BASB007	31-Mar-01	(25.5-26.0)	<0.22	3.3	120	0.37	1.6	7.9	34	17	0.066	<0.89	51	5	<0.22	<0.22	23	36 J
BASB008	21-Mar-01	(3.5-4.0)	<0.23	4.5	200	0.41	2.1	9.3	36	23	0.065	<0.93	53 J	26	0.25	<0.23	30	76 J
DUP	21-Mar-01	(4.5-5.0)	<0.24	3.2	90	0.34	1.2	7.6	24	12	<0.02	<0.95	46 J	4.1	0.44	0.49	22	28 J
BASB008	21-Mar-01	(9.5-10.0)	<0.24	3.3	140	0.58	1.7	8.8	39	19	0.067	<0.97	57 J	6.9	<0.24	<0.24	29	40 J
BASB008	21-Mar-01	(14.5-15.0)	<0.23	2.8	150	0.56	1.8	8.3	41	21	0.063	<0.92	60 J	6.5	<0.23	0.42	26	50 J
BASB008	21-Mar-01	(24.5-25.0)	<0.22	2.5	120	0.36	1.5	6.5	35	17	0.049	<0.88	48 J	4.9	<0.22	<0.22	21	35 J
Area 3																		
BASB040	03-Apr-01	(3.5-4.0)	<0.23	2.6	79	0.31	1.1	6.1	18	10	0.037	<0.91	35	3.9	<0.23	<0.23	18	25
DUP	03-Apr-01	(4.5-5.0)	<0.21	2.4	68	0.26	1.1	5.5	20	9.7	0.059	<0.84	37	3.1	<0.21	<0.21	16	23
BASB040	03-Apr-01	(9.5-10.0)	<0.22	2.5	110	0.39	1.3	6.9	24	14	0.072	<0.88	45	5	<0.22	0.47	17	31
BASB040	03-Apr-01	(14.5-15.0)	<0.23	3.3	150	0.48	1.8	7.7	32	18	0.046	<0.92	53	5.6	<0.23	0.49	25	43
BASB040	03-Apr-01	(19.5-20.0)	<0.22	2.6	120	0.39	1.6	5.5	32	17	0.062	<0.89	41	4.8	<0.22	<0.22	20	39
BASB040	03-Apr-01	(24.5-25.0)	<0.23	3.3	120	0.38	1.5	6.7	32	16	0.062	<0.92	46	4.6	<0.23	<0.23	24	34
BASB041	28-Mar-01	(3.5-4.0)	0.8	2.7	120	0.4	1.4	5.4	25	13	0.035	<0.97	32	28	<0.24	<0.24	24	36
DUP	28-Mar-01	(4.5-5.0)	<0.24	2.8	65	0.4	2.1	5.2	31	21	0.056	<0.97	36	49	<0.24	<0.24	26	50
BASB041	28-Mar-01	(9.5-10.0)	<0.24	2.5	110	0.49	1.4	6.9	31	15	0.06	<0.97	46	5.6	<0.24	<0.24	24	36

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 3																		
BASB041	28-Mar-01	(14.5-15.0)	<0.24	4.4	130	0.54	1.7	7.5	37	18	0.061	<0.96	53	6.4	<0.24	<0.24	30	43
BASB041	28-Mar-01	(24.5-25.0)	<0.25	3.6	130	0.44	1.4	8	36	17	0.044	<0.99	52	6.3	<0.25	<0.25	27	34
Area 4																		
BASB012	19-Mar-01	(3.5-4.0)	<0.19	1.1	69	0.26	2.7	5.9	5.1	12	0.054	<0.75	20	17	<0.19	0.55	29	93
BASB012	19-Mar-01	(9.5-10.0)	<0.24	3.4	100	0.46	1.9	8.6	37	20	0.054	<0.98	59	6.2	<0.24	0.34	24	43
BASB012	19-Mar-01	(14.5-15.0)	<0.2	3	94	0.37	1.8	6.9	31	17	0.063	<0.79	47	5.3	<0.2	<0.2	24	39
BASB012	19-Mar-01	(24.0-24.5)	<0.22	3.3	160	0.37	1.9	9.1	37	21	0.056	<0.88	67	6	<0.22	0.73	23	42
BASB013	20-Mar-01	(2.5-3.0)	<0.22	1.3	55	0.15	2.2	20	160	35	0.041	<0.87	94	1.9	<0.22	<0.22	20	21
BASB013	20-Mar-01	(4.5-5.0)	<0.21	4.4	190	0.47	2.4	9.7	35	19	<0.02	<0.85	58	5.7	<0.21	0.29	29	42
BASB013	20-Mar-01	(9.5-10.0)	<0.23	3.2	130	0.45	2.1	8.7	31	18	0.052	<0.93	56	5.9	<0.23	0.35	21	43
BASB013	20-Mar-01	(14.5-15.0)	<0.21	2.7	150	0.4	2.1	6	29	17	0.069	<0.84	46	4.8	<0.21	<0.21	21	41
BASB016	04-Apr-01	(2.0-2.5)	<0.22	2.6	100	0.21	1.4	5.4	19	32	0.14	<0.86	29	60	0.39	<0.22	17	81
BASB016	04-Apr-01	(5.5-6.0)	<0.23	2.7	120	0.38	1.5	6.8	30	15	0.069	<0.91	47	4.8	<0.23	0.31	25	34
BASB016	04-Apr-01	(9.5-10.0)	<0.22	2.7	110	0.35	1.3	5.6	25	12	0.036	<0.86	37	4.4	<0.22	<0.22	21	27
BASB016	04-Apr-01	(14.5-15.0)	<0.21	2.8	120	0.41	1.7	6.9	33	17	0.079	<0.84	47	5.2	<0.21	<0.21	24	38
BASB016	04-Apr-01	(24.5-25.0)	<0.22	2.8	99	0.3	1.5	8	30	16	0.075	<0.87	53	5	<0.22	0.3	21	31
Area 5																		
BASB022	04-Apr-01	(1.5-2.0)	<0.23	5.4	140	0.46	2.2	10	33	25	0.072	<0.93	54	31	<0.23	<0.23	31	64
BASB022	04-Apr-01	(4.5-5.0)	<0.18	7.6	130	0.27	1.6	6	22	21	0.061	2.1	32	63	<0.18	0.47	23	100
BASB022	04-Apr-01	(9.5-10.0)	<0.23	3.9	88	0.26	1.7	5.4	16	24	0.08	1.6	26	23	<0.23	<0.23	21	84
BASB022	04-Apr-01	(14.5-15.0)	<0.23	4.1	150	0.53	2.3	8.9	41	23	0.058	<0.93	62	6.4	<0.23	<0.23	31	50
BASB022	04-Apr-01	(20.5-21.0)	<0.19	4.3	120	0.38	1.6	7.2	28	17	0.076	<0.75	45	6.9	<0.19	<0.19	25	39
BASB023	04-Apr-01	(1.5-2.0)	0.52	33	220	0.21	2.3	6.3	11	25	0.25	1.6	17	130	0.55	1.9	16	400

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 5																		
BASB023	04-Apr-01	(4.5-5.0)	<0.24	2.1	63	0.26	0.91	4.5	16	8	0.033	<0.97	27	3.6	<0.24	<0.24	16	23
BASB023	04-Apr-01	(10.5-11.0)	<0.23	4.5	140	0.56	2	9.5	37	18	0.048	<0.92	55	6.5	<0.23	<0.23	32	40
BASB023	04-Apr-01	(14.5-15.0)	<0.24	3.5	100	0.5	2	9.1	35	20	0.067	<0.97	60	6.2	<0.24	<0.24	26	44
BASB023	04-Apr-01	(20.5-21.0)	<0.24	4.8	190	0.41	2	8	38	24	0.078	4.8	49	33	<0.24	0.25	28	120
BASB024	04-Apr-01	(1.5-2.0)	<0.23	3	130	0.36	1.5	6.7	25	17	0.06	<0.9	40	17	<0.23	<0.23	23	47
BASB024	04-Apr-01	(3.5-4.0)	<0.21	4.1	140	0.48	1.9	8.1	33	18	0.039	<0.83	50	6.4	<0.21	<0.21	30	41
BASB024	04-Apr-01	(9.5-10.0)	<0.21	3.5	120	0.53	2	8.8	35	20	0.062	<0.85	57	6.3	<0.21	<0.21	25	47
BASB024	04-Apr-01	(14.5-15.0)	<0.23	4.1	160	0.5	2	11	31	21	0.05	<0.9	60	6.4	<0.23	0.45	25	42
BASB024	04-Apr-01	(21.5-22.0)	<0.21	2.9	110	0.39	1.4	6.5	31	15	0.06	1.4	38	6.1	<0.21	<0.21	22	92
BASB025	04-Apr-01	(3.5-4.0)	<0.23	3.9	120	0.33	1.7	6.4	25	16	0.041	<0.94	35	18	0.48	<0.23	25	110
DUP	04-Apr-01	(4.5-5.0)	<0.21	3.3	150	0.45	1.7	6.6	32	20	0.023	<0.86	42	6	<0.21	0.32	29	41
BASB025	04-Apr-01	(9.5-10.0)	<0.25	3.5	110	0.44	1.7	8	30	17	0.046	<0.98	48	5.7	<0.25	<0.25	24	40
BASB025	04-Apr-01	(14.5-15.0)	<0.25	2.6	130	0.4	1.5	6.5	28	17	0.045	<0.99	43	5	<0.25	<0.25	21	37
BASB025	04-Apr-01	(24.5-25.0)	<0.22	2.5	250	0.32	1.5	7.6	29	16	0.063	<0.87	49	4.9	0.39	1.3	21	31
BASB086	04-Apr-01	(1.5-2.0)	<0.23	0.87	50	0.41	3	10	3.2	15	0.11	<0.91	18	3.4	<0.23	0.61	61	71
BASB086	04-Apr-01	(3.5-4.0)	<0.21	4.2	85	0.28	1.3	8	20	10	0.033	<0.83	37	4.6	0.39	1.5	20	27
BASB086	04-Apr-01	(9.5-10.0)	<0.23	3.5	100	0.38	1.5	6.8	28	13	0.071	<0.92	41	4.8	<0.23	0.34	25	31
BASB086	04-Apr-01	(15.5-16.0)	<0.23	3.7	120	0.45	1.7	7.8	33	18	0.062	<0.9	52	5.7	<0.23	<0.23	25	42
BASB086	04-Apr-01	(19.5-20.0)	<0.25	3.3	160	0.42	1.9	8.5	34	20	0.06	<0.99	55	5.8	<0.25	0.71	23	43
BASB087	04-Apr-01	(3.5-4.0)	<0.24	3.3	110	0.39	2.8	6.8	5.8	21	0.13	<0.96	18	14	0.62	0.51	26	92
DUP	04-Apr-01	(4.5-5.0)	<0.22	2	130	0.44	1.7	6.2	38	20	0.031	<0.89	46	5.3	<0.22	<0.22	30	43
BASB087	04-Apr-01	(9.5-10.0)	<0.21	2.8	97	0.37	1.5	7.4	27	16	0.063	<0.85	47	4.8	<0.21	<0.21	21	34
BASB087	04-Apr-01	(14.5-15.0)	<0.24	4.2	130	0.4	1.7	8.8	31	17	0.051	<0.94	48	5.8	<0.24	<0.24	25	36

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 5																		
BASB087	04-Apr-01	(24.5-25.0)	<0.22	1.9	130	0.21	1.2	5.6	20	11	0.12	<0.9	31	3.4	<0.22	0.49	23	27
Area 6																		
BASB001	02-Apr-01	(2.5-3.0)	<0.23	3.5	95	0.31	1.3	6.4	23	15	0.062	<0.9	40	8.4	<0.23	<0.23	20	39
BASB001	02-Apr-01	(4.5-5.0)	<0.23	7.7	220	0.51	2.5	18	40	21	0.047	<0.93	70	6.3	<0.23	2.3	36	51
BASB001	02-Apr-01	(9.5-10.0)	<0.23	4	160	0.4	2.2	8	33	20	0.078	<0.93	51	5.6	0.57	<0.23	26	40
BASB001	02-Apr-01	(14.5-15.0)	<0.22	3.7	140	0.48	1.8	8.7	31	19	0.068	<0.9	57	6.5	<0.22	<0.22	25	44
BASB001	02-Apr-01	(22.5-23.0)	<0.23	3.2	120	0.39	1.5	6.5	28	14	0.047	<0.91	44	7.2	<0.23	<0.23	22	35
BASB002	31-Mar-01	(2.5-3.0)	<0.23	4.3	110	0.23	2.3	7.9	24	20	0.047	<0.9	39	24	<0.23	<0.23	25	48 J
BASB005	31-Mar-01	(2.5-3.0)	<0.23	4	170	0.52	1.6	7.8	31	19	0.027	<0.91	48	5.7	<0.23	0.27	25	37 J
BASB011	05-Apr-01	(2.5-3.0)	<0.23	1.7	49	0.14	0.88	3.7	11	7	0.026	<0.92	19	4.3	0.44	<0.23	14	25
BASB017	05-Apr-01	(2.5-3.0)	<0.22	3.4	100	0.37	1.5	6.6	28	15	0.026	<0.88	39	5.7	0.24	0.29	28	37
BASB021	29-Mar-01	(0.5-1.0)	<0.23	18	120	0.41	2.1	7.3	25	31	0.1	<0.93	29	19	<0.23	0.81	43	93
BASB021	29-Mar-01	(4.5-5.0)	<0.2	1.7	88	0.4	1.1	6.1	22	16	0.033	<0.79	37	4.7	<0.2	0.33	20	31
BASB021	29-Mar-01	(9.5-10.0)	<0.24	4.4	130	0.6	1.9	10	38	23	0.07	<0.97	57	7.4	<0.24	0.53	35	49
BASB021	29-Mar-01	(14.5-15.0)	<0.23	3.6	140	0.51	1.6	8.5	33	18	0.056	<0.91	51	6	<0.23	0.54	27	39
BASB021	29-Mar-01	(24.5-25.0)	<0.23	2.8	110	0.4	1.4	6.7	29	15	0.055	<0.91	47	4.8	<0.23	0.5	24	31
BASB051	02-Apr-01	(2.5-3.0)	<0.23	2.3	100	0.36	1.3	6.2	23	14	0.033	<0.9	42	4.7	<0.23	<0.23	16	33
BASB051	02-Apr-01	(9.5-10.0)	<0.21	2.6	95	0.32	1.3	6	22	14	0.061	<0.85	36	4.8	<0.21	<0.21	20	33
BASB051	02-Apr-01	(14.5-15.0)	<0.23	3	120	0.37	1.6	7.1	27	18	0.07	<0.93	46	5.5	<0.23	<0.23	24	40
BASB051	02-Apr-01	(22.5-23.0)	<0.22	2.8	83	0.26	1.1	5.2	17	11	0.092	<0.89	30	4.3	<0.22	<0.22	16	51
BASB081	05-Apr-01	(2.5-3.0)	<0.22	3.6	130	0.36	1.6	8.1	31	19	0.044	<0.87	45	10	0.29	0.39	29	47
BASB081	05-Apr-01	(4.5-5.0)	<0.22	2.9	98	0.29	1.2	5.2	24	13	0.05	<0.9	35	4.1	0.25	<0.22	22	30
BASB081	05-Apr-01	(9.5-10.0)	<0.23	2.7	120	0.38	1.2	6.1	25	13	0.056	<0.92	36	4.7	<0.23	<0.23	18	28

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 7																		
DUP	21-Mar-01	(5.0-5.5)	<0.25	3.6	160	0.52	1.7	9.2	35	18	0.022	<0.99	47 J	6	<0.25	<0.25	30	40 J
BASB058	21-Mar-01	(9.5-10.0)	<0.21	2.7	120	0.47	1.5	4.5	32	15	0.052	<0.85	38 J	4.3	<0.21	<0.21	19	34 J
BASB058	21-Mar-01	(14.5-15.0)	<0.23	2.1	130	0.41	1.5	6.7	28	14	0.043	<0.93	41 J	4.9	<0.23	<0.23	20	34 J
BASB058	21-Mar-01	(24.5-25.0)	<0.21	2.4	120	0.37	1.6	6.7	34	16	0.067	<0.85	51 J	5	<0.21	<0.21	21	38 J
BASB080	03-Apr-01	(1.5-2.0)	<0.25	3.6	140	0.47	1.8	8.5	35	19	0.098	<1	49	8.6	<0.25	<0.25	31	45
BASB080	03-Apr-01	(4.5-5.0)	<0.21	3.5	130	0.43	1.7	7.7	32	16	0.16	<0.86	46	4.9	<0.21	<0.21	29	38
BASB080	03-Apr-01	(9.5-10.0)	<0.21	4.6	160	0.6	2.2	9.9	45	23	0.067	<0.82	61	6.5	<0.21	<0.21	33	50
BASB080	03-Apr-01	(14.5-15.0)	<0.22	3.8	130	0.49	1.8	7.7	36	18	0.091	<0.88	56	5.6	<0.22	0.38	27	42
BASB080	03-Apr-01	(23.5-24.0)	<0.25	0.58	36	0.12	0.38	1.8	9.3	4.3	0.063	<0.99	16	1.3	<0.25	<0.25	4.8	11
Area 8																		
BASB050	20-Mar-01	(2.0-2.5)	<0.22	4.5	160	0.45	1.8	7.3	30	23	0.028	<0.88	45	38	<0.22	0.46	28	77
BASB050	20-Mar-01	(4.5-5.0)	<0.23	4.3	170	0.56	1.8	12	35	19	0.032	<0.92	50	6.6	<0.23	0.7	29	41
BASB050	20-Mar-01	(9.5-10.0)	<0.24	2.6	120	0.46	1.6	7.6	31	18	0.21	<0.96	49	5.6	<0.24	0.46	20	41
BASB050	20-Mar-01	(14.5-15.0)	<0.2	4.5	100	0.33	1.6	7.8	34	14	0.058	<0.82	44	3.6	<0.2	0.78	24	29
BASB050	20-Mar-01	(24.5-25.0)	<0.22	1.5	90	0.32	1.3	4.1	31	13	0.068	<0.86	40	3.7	<0.22	<0.22	17	32
BASB060	05-Apr-01	(0.0-0.5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36	NA	NA	NA	NA
BASB061	05-Apr-01	(0.0-0.5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	130	NA	NA	NA	NA
BASB062	05-Apr-01	(0.0-0.5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18	NA	NA	NA	NA
BASB063	05-Apr-01	(0.0-0.5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110	NA	NA	NA	NA
BASB065	22-Mar-01	(0.0-0.5)	<0.23	7.5	150	0.42	1.9	8.1	32	25	0.1	<0.92	48 J	31	0.37	<0.23	29	82 J
Area 9																		
BASB088	09-Jul-01	(3.0-3.5)	<0.25	3	120	0.37	1.5	7.5	30	17	0.047	<1	46	4.9	<0.25	<0.25	26	35
DUP	09-Jul-01	(3.0-3.5)	<0.25	3.4	92	0.32	1.6	6.5	26	13	0.36	<1	41	4.8	0.45	<0.25	25	33

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 9																		
BASB088	09-Jul-01	(4.5-5.0)	<0.25	3.4	170	0.48	1.7	10	34	20	0.042	<0.98	53	6.3	<0.25	<0.25	28	39
BASB088	09-Jul-01	(9.5-10.0)	<0.25	2.7	150	0.47	1.7	7.8	38	21	0.067	<1	53	6	<0.25	<0.25	25	42
BASB088	09-Jul-01	(14.5-15.0)	<0.24	2.6	140	0.39	1.7	7.9	36	21	0.071	<0.95	49	7.1	<0.24	<0.24	24	44
BASB088	09-Jul-01	(25.0-25.5)	<0.24	2.9	110	0.33	1.5	9.3	28	18	0.074	<0.95	51	6.5	<0.24	<0.24	21	34
BASB089	09-Jul-01	(3.0-3.5)	<0.25	2.3	110	0.35	1.2	6	26	15	0.051	<0.99	37	4.9	<0.25	<0.25	20	33
BASB089	09-Jul-01	(4.5-5.0)	<0.24	3	160	0.51	1.5	7.4	34	18	0.044	<0.95	46	6.3	<0.24	<0.24	25	40
BASB089	09-Jul-01	(9.5-10.0)	<0.24	3.5	160	0.49	1.9	9	39	22	0.058	<0.95	60	6.1	<0.24	<0.24	28	46
BASB089	09-Jul-01	(14.5-15.0)	<0.25	2	130	0.4	1.6	7	32	18	0.079	<1	49	4.7	<0.25	<0.25	22	38
BASB089	09-Jul-01	(27.0-27.5)	<0.24	4.5	130	0.44	1.9	8	41	25	0.06	<0.95	56	7.3	<0.24	<0.24	28	47
BASB090	09-Jul-01	(2.0-2.5)	<0.25	7.6	94	0.18	2.5	6.7	24	52	0.05	<0.98	44	66	0.39	<0.25	25	83
DUP	09-Jul-01	(2.0-2.5)	<0.25	5.9	100	0.23	2.5	7.8	29	34	0.049	<1	49	43	0.82	<0.25	26	71
BASB090	09-Jul-01	(4.5-5.0)	<0.24	2.9	170	0.49	1.7	7.4	35	21	0.13	<0.96	48	6.4	<0.24	<0.24	27	44
BASB090	09-Jul-01	(9.5-10.0)	<0.24	3	150	0.49	1.9	9.1	38	23	0.096	<0.98	64	6.3	<0.24	<0.24	28	46
BASB090	09-Jul-01	(14.5-15.0)	<0.25	2.1	120	0.33	1.4	6.1	27	15	0.14	<1	40	4.1	<0.25	<0.25	23	34
BASB090	09-Jul-01	(25.0-25.5)	<0.25	3.3	150	0.42	1.8	6.9	45	21	0.065	<1	54	5.9	<0.25	<0.25	28	44

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

J = Reported value is estimated.

bgs = below ground surface

DUP = Duplicate sample

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for mercury using EPA test method 7470 and EPA test method 7470A and all other metals were analyzed by EPA test method 6010B.

Ag = Silver As = Arsenic Ba = Barium Be = Berrylium Cd = Cadmium Co = Cobalt Cr = Chromium Cu = Copper

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn

Hg = Mercury Mo = Molybdenum Ni = Nickel Pb = Lead Se = Selenium Tl = Thallium V = Vanadium Zn = Zinc

Table 12
Total Petroleum Hydrocarbons Detected in Groundwater
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 1							
BASB026	28-Mar-01	130 Y	<50	<300	<50	NA	NA
DUP	28-Mar-01	140 Y	<50	<300	<50	NA	NA
BASB027	27-Mar-01	<50	<50	<300	<50	NA	NA
BASB028	27-Mar-01	<50	<50	<300	<50	NA	NA
BASB029	23-Mar-01	<50	<50	<300	<50	NA	NA
BASB030	23-Mar-01	<50	<50	<300	<50	NA	NA
BASB031	26-Mar-01	800 YL	610 YH	<300	920 YLb	NA	320
BASB032	26-Mar-01	61 Y	<50	<300	<50	NA	NA
BASB033	26-Mar-01	<50	<50	<300	<50	NA	NA
BASB034	27-Mar-01	<50	<50	<300	<50	NA	NA
BASB036	22-Mar-01	73 Y	<50	<300	<50	NA	NA
BASB037	22-Mar-01	100 Y	<50	<300	<50	NA	NA
BASB070	03-Apr-01	<50	<50	<300	NA	<50	NA
BASB071	03-Apr-01	150 YL	320 Y	<300	NA	240	NA
BASB072	05-Apr-01	80 Y	<50	<300	NA	<50	NA
BASB073	02-Apr-01	73 Y	<50	<300	NA	<50	NA
BASB074	02-Apr-01	<50	<50	<300	NA	<50	NA
BASB075	02-Apr-01	<50	<50	<300	NA	<50	NA
BASB076	30-Mar-01	530 Y	<50	530	<50	NA	NA
BASB077	30-Mar-01	52 Y	<50	<300	<50	NA	NA
BASB078	05-Apr-01	<50	<50	<300	NA	<50	NA
BASB082	05-Apr-01	<50	<50	<300	NA	<50	NA
Area 2							
BASB006	31-Mar-01	<50	<50	<300	<50	NA	NA
BASB007	31-Mar-01	70 Y	<50	<300	<50	NA	NA
BASB008	21-Mar-01	150 YZ	<50	<300	<50	NA	NA
Area 3							
BADW001	23-Mar-01	<50	<50	<300	<50	NA	NA
BASB040	03-Apr-01	<50	<50	<300	NA	<50	NA
BASB041	28-Mar-01	120 Y	<50	<300	<50	NA	NA
Area 4							
BASB012	19-Mar-01	61 Y	<50	<300	<50	NA	NA
BASB016	04-Apr-01	71 Y	<50	<300	NA	<50	NA
DUP	04-Apr-01	61 Y	<50	<300	NA	<50	NA

Table 12
Total Petroleum Hydrocarbons Detected in Groundwater
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 5							
BASB022	04-Apr-01	110 Y	<50	<300	NA	<50	NA
BASB023	04-Apr-01	310 YH	<50	1100	NA	<50	NA
BASB024	04-Apr-01	<50	<50	<300	NA	<50	NA
BASB025	04-Apr-01	<50	<50	<300	NA	<50	NA
BASB086	04-Apr-01	<50	<50	<300	NA	<50	NA
BASB087	04-Apr-01	<50	<50	<300	NA	<50	NA
Area 6							
BASB001	02-Apr-01	360 YH	<50	1200 Y	NA	<50	NA
BASB021	29-Mar-01	66 Y	<50	<300	<50	NA	NA
BASB051	02-Apr-01	20000 Y	19000	<3000	NA	14000 Y	NA
BASB081	05-Apr-01	210000 Y	7700	<15000	NA	5800 Y	NA
DUP	05-Apr-01	90000 Y	7200	<7500	NA	5400 Y	NA
Area 7							
BASB018	05-Apr-01	160 YH	<50	<300	NA	<50	NA
BASB019	05-Apr-01	<50	<50	<300	NA	<50	NA
DUP	05-Apr-01	<50	<50	<300	NA	<50	NA
BASB052	02-Apr-01	100 YH	<50	360 YH	NA	<50	NA
BASB053	03-Apr-01	<50	<50	<300	NA	<50	NA
BASB054	03-Apr-01	<50	<50	<300	NA	<50	NA
BASB055	29-Mar-01	51 Y	<50	<300	<50	NA	NA
BASB056	30-Mar-01	<50	<50	<300	<50	NA	NA
BASB057	28-Mar-01	<50	<50	<300	<50	NA	NA
BASB058	21-Mar-01	57 Y	<50	<300	<50	NA	NA
BASB080	03-Apr-01	<50	<50	<300	NA	<50	NA
Area 8							
BASB050	20-Mar-01	65 Y	<50	<300	<50	NA	NA
Area 9							
BASB088	09-Jul-01	<50	<50	<300	NA	NA	NA
DUP	09-Jul-01	NA	<50	NA	NA	NA	NA
BASB089	09-Jul-01	<50	<50	<300	NA	NA	NA
BASB090	09-Jul-01	<50	<50	<300	NA	NA	NA

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

b = Continuing calibration verification percent difference was slightly above acceptance limits in batch.

DUP = Duplicate sample

Table 12
Total Petroleum Hydrocarbons Detected in Groundwater
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss

H = Heavier hydrocarbons contributed to the quantitation.
J = Reported value is estimated.
L = Lighter hydrocarbons contributed to the quantitation.
Y = Sample exhibits fuel pattern which does not resemble standard.
Z = Sample exhibits unknown single peak or peaks.
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
TPHmo = total petroleum hydrocarbons as motor oil
TPHms = total petroleum hydrocarbons as mineral spirits
TPHpt = total petroleum hydrocarbons as paint thinner
TPHss = total petroleum hydrocarbons as stoddard solvent
Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for all compounds using EPA test method 8015 modified.

Table 13
Volatile Organic Compounds Detected in Groundwater
Batarse Site, Oakland, California
Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	1,2,4-TMB	1,2,5-TMB	CF	cis-1,2-DCE	CS2	EBENZ	ISPB	m,p-XYL	MTBE	NAPH	n-BBENZ	PBENZ	PCE	p-ISPT	s-BBENZ	TCE	TOL	VC
Area 1																			
BASB026	28-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
DUP	28-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB027	27-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB028	27-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB029	23-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB030	23-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB031	26-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB032	26-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB033	26-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB034	27-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB036	22-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB037	22-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB070	03-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB071	03-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB072	05-Apr-01	<0.5	<0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB073	02-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB074	02-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB075	02-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB076	30-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB077	30-Mar-01	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB078	05-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB082	05-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Area 2																			
BASB006	31-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	<0.5
BASB007	31-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5
BASB008	21-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5

Table 13
Volatile Organic Compounds Detected in Groundwater
Batarse Site, Oakland, California
Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	1,2,4-TMB	1,2,5-TMB	CF	cis-1,2-DCE	CS2	EBENZ	ISPB	m,p-XYL	MTBE	NAPH	n-BBENZ	PBENZ	PCE	p-ISPT	s-BBENZ	TCE	TOL	VC
Area 3																			
BADW001	23-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB040	03-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB041	28-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Area 4																			
BASB012	19-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB016	04-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	<0.5
DUP	04-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	<0.5
Area 5																			
BASB022	04-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	16	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB023	04-Apr-01	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	1.1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB024	04-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB025	04-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB086	04-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB087	04-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Area 6																			
BASB001	02-Apr-01	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	5.2	<0.5	<0.5
BASB021	29-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB051	02-Apr-01	2600	820	<8.3	9.7	<8.3	210	190	390	<8.3	180	550	700	<8.3	65	140	15	<8.3	<8.3
BASB081	05-Apr-01	610	110	<2.5	7.5	<2.5	32	89	56	<2.5	78	110	250	<2.5	14	32	5.4	<2.5	4.4
DUP	05-Apr-01	580	110	<2.5	10	<2.5	31	93	54	<2.5	68	93	240	<2.5	14	31	11	<2.5	5.7
Area 7																			
BASB018	05-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB019	05-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
DUP	05-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB052	02-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB053	03-Apr-01	<0.5	<0.5	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 13
Volatile Organic Compounds Detected in Groundwater
Batarse Site, Oakland, California
Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	1,2,4-TMB	1,2,5-TMB	CF	cis-1,2-DCE	CS2	EBENZ	ISPB	m,p-XYL	MTBE	NAPH	n-BBENZ	PBENZ	PCE	p-ISPT	s-BBENZ	TCE	TOL	VC
Area 7																			
BASB054	03-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	1.3	<0.5	<0.5	<0.5	<0.5	<0.5
BASB055	29-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB056	30-Mar-01	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB057	28-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB058	21-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB080	03-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Area 8																			
BASB050	20-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Area 9																			
BASB088	09-Jul-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
DUP	09-Jul-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB089	09-Jul-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB090	09-Jul-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

DUP = Duplicate sample

J = Reported value is estimated.

VOCs= volatile organic compounds

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for VOCs using EPA test method 8260B.

1,2,4-TMB = 1,2,4-Trimethylbenzene

1,2,5-TMB = 1,3,5-Trimethylbenzene

CF = Chloroform

c-1,2-DCE = cis-1,2-Dichloroethene

CS2 = Carbon Disulfide

EBENZ = Ethylbenzene

ISPB = Isopropylbenzene

m,p-XYL = m,p-Xylenes

Table 13
Volatile Organic Compounds Detected in Groundwater
Batarse Site, Oakland, California
Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	1,2,4-TMB	1,2,5-TMB	CF	cis-1,2-DCE	CS2	EBENZ	ISPB	m,p-XYL	MTBE	NAPH	n-BBENZ	PBENZ	PCE	p-ISPT	s-BBENZ	TCE	TOL	VC

MTBE = Methyl-tertiary-butyl ether
n-BBENZ = n-Butylbenzene
NAPH = Naphthalene
p-ISPT = para-Isopropyl Toluene
PBENZ = Propylbenzene
PCE = Tetrachloroethene
s-BBENZ = sec-Butylbenzene
TCE = Trichloroethene
TOL = Toluene
VC = Vinyl chloride

Other Detected Compounds:
1.2 µg/l of Bromodichloromethane was detected at BASB072 on 04/05/2001
7.3 µg/l of Bromoform was detected at BASB075 on 04/02/2001
0.6 µg/l of Dibromochloromethane was detected at BASB075-DUP on 04/02/2001
0.5 µg/l of Trichlorofluoromethane was detected at BADW001 on 03/23/2001
1.4 µg/l of Styrene was detected at BASB016 on 04/04/2001
0.6 µg/l of Styrene was detected at BASB016-DUP on 04/04/2001

Table 14
Semivolatile Organic Compounds
Detected in Groundwater
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	2-MNAPH	DEHP	NAPH
Area 1				
BASB071	03-Apr-01	<9.4	<9.4	<9.4
BASB071	03-Apr-01	NA	<3	NA
BASB072	05-Apr-01	<9.4	<9.4	<9.4
BASB072	05-Apr-01	NA	3.1	NA
BASB078	05-Apr-01	<9.6	<9.6	<9.6
BASB078	05-Apr-01	NA	<3	NA
Area 3				
BASB040	03-Apr-01	<9.4	<9.4	<9.4
BASB040	03-Apr-01	NA	<3	NA
Area 6				
BASB051	03-Apr-01	<9.9	<9.9	<9.9
BASB051	03-Apr-01	NA	<3	NA
BASB081	05-Apr-01	15000	<4800	7000
BASB081	05-Apr-01	NA	<3	NA
DUP	05-Apr-01	570	<470	<470
DUP	05-Apr-01	NA	<60	NA
Area 7				
BASB018	05-Apr-01	<9.4	<9.4	<9.4
BASB018	05-Apr-01	NA	<3	NA
BASB019	05-Apr-01	<9.4	<9.4	<9.4
BASB019	05-Apr-01	NA	<3	NA
DUP	05-Apr-01	<9.6	<9.6	<9.6
DUP	05-Apr-01	NA	<3	NA
BASB053	03-Apr-01	<9.6	<9.6	<9.6
BASB053	03-Apr-01	NA	<3	NA
BASB054	03-Apr-01	<9.7	<9.7	<9.7
BASB054	03-Apr-01	NA	<3	NA
BASB058	21-Mar-01	<10	<10	<10
BASB058	21-Mar-01	NA	<3	NA
BASB080	03-Apr-01	<10	<10	<10
BASB080	03-Apr-01	NA	<3	NA

Table 14
Semivolatile Organic Compounds
Detected in Groundwater
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	2-MNAPH	DEHP	NAPH

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

J = Reported value is estimated.

DUP = Duplicate sample

NA = Not analyzed

SVOCs= Semivolatile organic compounds

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for SVOCs using EPA method 8270C. The second record for any sample was analyzed by BC Laboratories using EPA method 525.2.

2-MNAPH = 2-Methylnaphthalene

DEHP = Bis(2-Ethylhexyl) phthalate

NAPH = Naphthalene

Table 15
Title 22 Metals Detected in Groundwater
Batarse Site, Oakland, California
Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	As	Ba	Co	Cu	Mo	Ni	Pb	Sb	Zn
Area 1										
BASB036	22-Mar-01	<5	98	<20	<10	<20	<20	<3	<1	<20
BASB037	22-Mar-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB029	23-Mar-01	<5	77	<20	<10	<20	<20	<3	<1	<20
BASB030	23-Mar-01	<5	64	<20	<10	<20	<20	<3	<1	<20
BASB031	26-Mar-01	<5	73	<20	<10	<20	<20	<3	<1	<20
BASB032	26-Mar-01	<5	99	<20	<10	<20	<20	<3	<1	<20
BASB033	26-Mar-01	<5	110	50	<10	<20	<20	<3	<1	<20
BASB027	27-Mar-01	<5	100	<20	<10	<20	<20	<3	<1	<20
BASB028	27-Mar-01	<5	120	<20	<10	<20	<20	<3	<1	<20
BASB034	27-Mar-01	<5	120	<20	<10	<20	<20	<3	<1	<20
BASB026	28-Mar-01	<5	97	37	15	<20	130	<3	<1	<20
DUP	28-Mar-01	<5	95	37	16	<20	130	<3	<1	<20
BASB076	30-Mar-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB077	30-Mar-01	<5	140	<20	<10	<20	<20	<3	<1	<20
BASB073	02-Apr-01	<5	99	<20	<10	<20	<20	<3	<1	<20
BASB074	02-Apr-01	<5	87	<20	<10	<20	<20	<3	<1	<20
BASB075	02-Apr-01	<5	100	<20	<10	<20	<20	<3	<1	<20
BASB070	03-Apr-01	<5	77	<20	<10	<20	<20	<3	<1	<20
BASB071	03-Apr-01	<5	92	<20	<10	<20	<20	<3	<1	<20
BASB072	05-Apr-01	<5	100	<20	<10	<20	<20	<3	<1	<20
BASB078	05-Apr-01	<5	28	<20	<10	<20	<20	<3	<1	<20
BASB082	05-Apr-01	<5	79	<20	<10	<20	<20	<3	<1	<20
Area 2										
BASB008	21-Mar-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB006	31-Mar-01	<5	120	<20	<10	<20	<20	<3	<1	<20
BASB007	31-Mar-01	<5	120	<20	<10	<20	<20	<3	<1	<20
Area 3										
BADW001	23-Mar-01		130						1.3	
BASB041	28-Mar-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB040	03-Apr-01	<5	99	<20	<10	<20	<20	<3	<1	<20
Area 4										
BASB012	19-Mar-01	<5	110	<20 J	<10 J	<20	<20 J	<3	<1	<20 J
BASB016	04-Apr-01	<5	99	<20	<10	<20	33	<3	<1	<20
DUP	04-Apr-01	<5	95	<20	<10	<20	33	<3	<1	<20

Table 15
Title 22 Metals Detected in Groundwater
Batarse Site, Oakland, California
Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	As	Ba	Co	Cu	Mo	Ni	Pb	Sb	Zn
Area 5										
BASB022	04-Apr-01	<5	66	<20	<10	<20	38	<3	<1	<20
BASB023	04-Apr-01	<5	90	<20	<10	25	69	<3	<1	<20
BASB024	04-Apr-01	<5	91	<20	<10	<20	<20	<3	<1	<20
BASB025	04-Apr-01	<5	90	<20	<10	<20	64	<3	<1	<20
BASB086	04-Apr-01	<5	68	<20	<10	<20	<20	<3	<1	<20
BASB087	04-Apr-01	<5	68	<20	<10	<20	39	<3	<1	<20
Area 6										
BASB021	29-Mar-01	<5	130	<20	<10	<20	<20	<3	<1	<20
BASB001	02-Apr-01	<5	94	<20	<10	<20	<20	<3	<1	<20
BASB051	02-Apr-01	<5	88	<20	<10	36	23	<3	<1	<20
BASB081	05-Apr-01	9.4	230	<20	<10	<20	26	12	<1	26
DUP	05-Apr-01	9.1	230	<20	<10	<20	23	16	<1	<20
Area 7										
BASB058	21-Mar-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB057	28-Mar-01	<5	120	<20	<10	<20	<20	<3	<1	27
BASB055	29-Mar-01	<5	95	<20	<10	<20	<20	<3	<1	<20
BASB056	30-Mar-01	<5	99	<20	<10	<20	<20	<3	<1	<20
BASB052	02-Apr-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB053	03-Apr-01	<5	87	<20	<10	<20	<20	<3	<1	<20
BASB054	03-Apr-01	<5	69	<20	<10	<20	<20	<3	<1	<20
BASB080	03-Apr-01	<5	79	<20	<10	<20	<20	<3	<1	<20
BASB018	05-Apr-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB019	05-Apr-01	<5	90	<20	<10	<20	<20	<3	<1	44
DUP	05-Apr-01	<5	87	<20	<10	<20	<20	<3	<1	<20
Area 8										
BASB050	20-Mar-01	<5	2000	<20	<10	<410	<20	100	490	<20
Area 9										
BASB088	09-Jul-01	<5	72	<20	<10	<20	<20	<3	<1	<20
DUP	09-Jul-01	<5	74	<20	<10	20	<20	<3	<1	<20
BASB089	09-Jul-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB090	09-Jul-01	<5	70	<20	<10	<20	<20	<3	<1	<20

Table 15
Title 22 Metals Detected in Groundwater
Batarse Site, Oakland, California
Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	As	Ba	Co	Cu	Mo	Ni	Pb	Sb	Zn

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

DUP = Duplicate sample

J = Reported value is estimated.

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for metals using EPA test method 6020A.

As = Silver Ba = Barium Co = Cobalt Cu = Copper Mo = Molybdenum
Ni = Nickel Pb = Lead Sb = Antimony Zn = Zinc

Table 16
Total Petroleum Hydrocarbons in Soil - Concentrations Above 100 mg/kg
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Chemical	Result	Comparison Value
Area 1					
BASB027	27-Mar-01	(3.50-4.00)	TPHmo	120 YH	100
BASB031	26-Mar-01	(6.50-7.00)	TPHg	440 JYH	100
BASB031	26-Mar-01	(6.50-7.00)	TPHms	480 JYL	100
BASB031	26-Mar-01	(6.50-7.00)	TPHss	220 J	100
BASB031	26-Mar-01	(9.50-10.00)	TPHg	490 JYH	100
BASB031	26-Mar-01	(9.50-10.00)	TPHms	530 JYL	100
BASB031	26-Mar-01	(9.50-10.00)	TPHss	250 J	100
BASB031	26-Mar-01	(14.50-15.00)	TPHg	180 JYH	100
BASB031	26-Mar-01	(14.50-15.00)	TPHms	190 JYL	100
BASB032-DUP	26-Mar-01	(4.50-5.00)	TPHmo	360	100
BASB033	26-Mar-01	(3.50-4.00)	TPHmo	240	100
BASB036	22-Mar-01	(3.50-4.00)	TPHd	160 YH	100
BASB036	22-Mar-01	(3.50-4.00)	TPHmo	630	100
BASB073	02-Apr-01	(2.50-3.00)	TPHmo	120 Y	100
BASB077	30-Mar-01	(3.50-4.00)	TPHd	270 YH	100
BASB077	30-Mar-01	(3.50-4.00)	TPHmo	2200 Y	100
Area 5					
BASB022	04-Apr-01	(1.50-2.00)	TPHd	220 YL	100
BASB022	04-Apr-01	(1.50-2.00)	TPHmo	1300	100
BASB022	04-Apr-01	(4.50-5.00)	TPHd	970 YL	100
BASB022	04-Apr-01	(4.50-5.00)	TPHmo	490	100
BASB022	04-Apr-01	(9.50-10.00)	TPHd	600 YL	100
BASB022	04-Apr-01	(9.50-10.00)	TPHmo	300	100
BASB023	04-Apr-01	(20.50-21.00)	TPHmo	150	100
Area 6					
BASB001	02-Apr-01	(22.50-23.00)	TPHmo	140 Y	100
BASB002	31-Mar-01	(2.50-3.00)	TPHd	150 YH	100
BASB002	31-Mar-01	(2.50-3.00)	TPHmo	1000 Y	100
Area 7					
BASB018	05-Apr-01	(11.50-12.00)	TPHmo	130	100
BASB019	05-Apr-01	(2.00-2.50)	TPHmo	330	100
BASB052	02-Apr-01	(3.50-4.00)	TPHmo	290 Y	100
BASB052	02-Apr-01	(24.50-25.00)	TPHmo	480	100
BASB053	03-Apr-01	(1.50-2.00)	TPHmo	460 YH	100

Areas Excavated in 2015 (RO2964) Highlighted

Table 16
Total Petroleum Hydrocarbons in Soil - Concentrations Above 100 mg/kg
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Chemical	Result	Comparison Value
Area 7					
BASB054	03-Apr-01	(1.50-2.00)	TPHmo	290	100
BASB054	03-Apr-01	(21.50-22.00)	TPHmo	170	100
BASB056	30-Mar-01	(3.50-4.00)	TPHmo	120 Y	100
BASB058	21-Mar-01	(3.50-4.00)	TPHmo	310 Y	100
Area 8					
BASB061	05-Apr-01	(0.00-0.50)	TPHmo	120	100
Area 9					
BASB090	09-Jul-01	(2.00-2.50)	TPHmo	360	100
BASB090-DUP	09-Jul-01	(2.00-2.50)	TPHmo	310	100

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

bgs = below ground surface
DUP = Duplicate sample
H = Heavier hydrocarbons contributed to the quantitation.
J = Reported value is estimated.
L = Lighter hydrocarbons contributed to the quantitation.
Y = Sample exhibits fuel pattern which does not resemble standard.
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
TPHmo = total petroleum hydrocarbons as motor oil
TPHms = total petroleum hydrocarbons as mineral spirits
TPHpt = total petroleum hydrocarbons as paint thinner
TPHss = total petroleum hydrocarbons as stoddard solvent
Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for all compounds using EPA test method 8015 modified.

Table 17
Title 22 Metals in Soil - Concentrations Above Background Levels
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Chemical	Result	Background Level
Area 1					
BASB026	28-Mar-01	(4.00-4.50)	Pb	22.0	16.1
BASB027	27-Mar-01	(4.00-4.50)	Pb	74.0	16.1
BASB027	27-Mar-01	(4.00-4.50)	Zn	140.0	106.1
BASB027	27-Mar-01	(15.00-15.50)	Hg	1.1	0.4
BASB028	27-Mar-01	(1.00-1.50)	Pb	83.0	16.1
BASB028	27-Mar-01	(1.00-1.50)	Zn	120.0	106.1
BASB033	26-Mar-01	(4.00-4.50)	Ba	340.0	323.6
BASB033	26-Mar-01	(4.00-4.50)	Pb	160.0	16.1
BASB033	26-Mar-01	(4.00-4.50)	Zn	430.0	106.1
BASB034	27-Mar-01	(4.00-4.50)	Pb	24.0	16.1
BASB036	22-Mar-01	(4.00-4.50)	Cd	3.1	2.7
BASB070	03-Apr-01	(3.50-4.00)	Pb	27.0	16.1
BASB071	03-Apr-01	(2.00-2.50)	Pb	130.0	16.1
BASB071	03-Apr-01	(2.00-2.50)	Zn	240.0	106.1
BASB072	05-Apr-01	(2.50-3.00)	Pb	44.0	16.1
BASB072	05-Apr-01	(2.50-3.00)	Zn	110.0	106.1
BASB077	30-Mar-01	(4.00-4.50)	Pb	30.0	16.1
BASB078	05-Apr-01	(4.00-4.50)	Pb	20.0	16.1
Area 2					
BASB008	21-Mar-01	(4.00-4.50)	Pb	26.0	16.1
Area 3					
BASB041	28-Mar-01	(4.00-4.50)	Pb	28.0	16.1
BASB041	28-Mar-01	(5.00-5.50)	Pb	49.0	16.1
Area 4					
BASB012	19-Mar-01	(4.00-4.50)	Pb	17.0	16.1
BASB013	20-Mar-01	(3.00-3.50)	Cr	160.0	99.6
BASB016	04-Apr-01	(2.50-3.00)	Pb	60.0	16.1
Area 5					
BASB022	04-Apr-01	(2.00-2.50)	Pb	31.0	16.1
BASB022	04-Apr-01	(5.00-5.50)	Pb	63.0	16.1
BASB022	04-Apr-01	(10.00-10.50)	Pb	23.0	16.1
BASB023	04-Apr-01	(2.00-2.50)	As	33.0	19.1
BASB023	04-Apr-01	(2.00-2.50)	Pb	130.0	16.1
BASB023	04-Apr-01	(2.00-2.50)	Zn	400.0	106.1
BASB023	04-Apr-01	(21.00-21.50)	Pb	33.0	16.1

Table 17
Title 22 Metals in Soil - Concentrations Above Background Levels
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Chemical	Result	Background Level
Area 5					
BASB023	04-Apr-01	(21.00-21.50)	Zn	120.0	106.1
BASB024	04-Apr-01	(2.00-2.50)	Pb	17.0	16.1
BASB025	04-Apr-01	(4.00-4.50)	Pb	18.0	16.1
BASB025	04-Apr-01	(4.00-4.50)	Zn	110.0	106.1
BASB086	04-Apr-01	(2.00-2.50)	Cd	3.0	2.7
BASB087	04-Apr-01	(4.00-4.50)	Cd	2.8	2.7
Area 6					
BASB002	31-Mar-01	(3.00-3.50)	Pb	24.0	16.1
BASB021	29-Mar-01	(1.00-1.50)	Pb	19.0	16.1
Area 7					
BASB019	05-Apr-01	(2.50-3.00)	Pb	54.0	16.1
BASB019	05-Apr-01	(2.50-3.00)	Zn	130.0	106.1
BASB052	02-Apr-01	(4.00-4.50)	Zn	130.0	106.1
BASB052	02-Apr-01	(25.00-25.50)	Zn	150.0	106.1
BASB055	29-Mar-01	(8.50-9.00)	Pb	20.0	16.1
BASB056	30-Mar-01	(25.00-25.50)	Ba	410.0	323.6
BASB057	28-Mar-01	(4.00-4.50)	Pb	140.0	16.1
BASB057	28-Mar-01	(4.00-4.50)	Zn	140.0	106.1
Area 8					
BASB050	20-Mar-01	(2.50-3.00)	Pb	38.0	16.1
BASB060	05-Apr-01	(0.00-0.50)	Pb	36.0	16.1
BASB061	05-Apr-01	(0.00-0.50)	Pb	130.0	16.1
BASB062	05-Apr-01	(0.00-0.50)	Pb	18.0	16.1
BASB063	05-Apr-01	(0.00-0.50)	Pb	110.0	16.1
BASB065	22-Mar-01	(0.00-0.50)	Pb	31.0	16.1
Area 9					
BASB090	09-Jul-01	(2.50-3.00)	Pb	66.0	16.1
DUP	09-Jul-01	(2.50-3.00)	Pb	43.0	16.1

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

Metals background concentrations from Oakland Urban Land Development.

bgs = below ground surface

DUP = Duplicate sample

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for mercury using EPA test method 7470 and EPA test method 7470A and all other metals were analyzed by EPA test method 6010B.

As = Arsenic Ba = Barium Cd = Cadmium Cr = Chromium

Table 17
Title 22 Metals in Soil - Concentrations Above Background Levels
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Chemical	Result	Background Level

Hg = Mercury Pb = Lead Zn = Zinc

Table 18
Total Petroleum Hydrocarbons in Water - Concentrations Above SNARLs
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	Chemical	Result	SNARL value
Area 1				
BASB026	28-Mar-01	TPHd	130 Y	100
DUP	28-Mar-01	TPHd	140 Y	100
BASB031	26-Mar-01	TPHd	800 YL	100
BASB031	26-Mar-01	TPHg	610 YH	5
BASB031	26-Mar-01	TPHms	920 YLb	5
BASB031	26-Mar-01	TPHss	320	5
BASB032	26-Mar-01	TPHd	61 Y	100
BASB036	22-Mar-01	TPHd	73 Y	100
BASB037	22-Mar-01	TPHd	100 Y	100
BASB071	03-Apr-01	TPHd	150 YL	100
BASB071	03-Apr-01	TPHg	320 Y	5
BASB071	03-Apr-01	TPHpt	240	5
BASB072	05-Apr-01	TPHd	80 Y	100
BASB073	02-Apr-01	TPHd	73 Y	100
BASB076	30-Mar-01	TPHd	530 Y	100
BASB076	30-Mar-01	TPHmo	530	100
BASB077	30-Mar-01	TPHd	52 Y	100
Area 2				
BASB007	31-Mar-01	TPHd	70 Y	100
BASB008	21-Mar-01	TPHd	150 YZ	100
Area 3				
BASB041	28-Mar-01	TPHd	120 Y	100
Area 4				
BASB012	19-Mar-01	TPHd	61 Y	100
BASB016	04-Apr-01	TPHd	71 Y	100
DUP	04-Apr-01	TPHd	61 Y	100
Area 5				
BASB022	04-Apr-01	TPHd	110 Y	100
BASB023	04-Apr-01	TPHd	310 YH	100
BASB023	04-Apr-01	TPHmo	1100	100
Area 6				
BASB001	02-Apr-01	TPHd	360 YH	100
BASB001	02-Apr-01	TPHmo	1200 Y	100
BASB021	29-Mar-01	TPHd	66 Y	100

Table 18
Total Petroleum Hydrocarbons in Water - Concentrations Above SNARLs
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	Chemical	Result	SNARL value
Area 6				
BASB051	02-Apr-01	TPHd	20000 Y	100
BASB051	02-Apr-01	TPHg	19000	5
BASB051	02-Apr-01	TPHpt	14000 Y	5
BASB081	05-Apr-01	TPHd	210000 Y	100
BASB081	05-Apr-01	TPHg	7700	5
BASB081	05-Apr-01	TPHpt	5800 Y	5
DUP	05-Apr-01	TPHd	90000 Y	100
DUP	05-Apr-01	TPHg	7200	5
DUP	05-Apr-01	TPHpt	5400 Y	5
Area 7				
BASB018	05-Apr-01	TPHd	160 YH	100
BASB052	02-Apr-01	TPHd	100 YH	100
BASB052	02-Apr-01	TPHmo	360 YH	100
BASB055	29-Mar-01	TPHd	51 Y	100
BASB058	21-Mar-01	TPHd	57 Y	100
Area 8				
BASB050	20-Mar-01	TPHd	65 Y	100

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

SNARLs = Suggested No-Adverse-Response Levels, Regional Water Quality Control Board, Central Valley Region, A Compilation of Water Quality Goals, August 2000

SNARLs only exist for TPHg and TPHd but were applied to similiar TPH fractions.

bgs = below ground surface

b = Continuing calibration verification percent difference was slightly above acceptance limits in batch.

DUP = Duplicate sample

H = Heavier hydrocarbons contributed to the quantitation.

L = Lighter hydrocarbons contributed to the quantitation.

Y = Sample exhibits fuel pattern which does not resemble standard.

Z = Sample exhibits unknown single peak or peaks.

TPHd = total petroleum hydrocarbons as diesel

TPHg = total petroleum hydrocarbons as gasoline

TPHmo = total petroleum hydrocarbons as motor oil

TPHms = total petroleum hydrocarbons as mineral spirits

TPHpt = total petroleum hydrocarbons as paint thinner

TPHss = total petroleum hydrocarbons as stoddard solvent

Samples were analyzed by Curtis and Tompkins Analytical

Table 18
Total Petroleum Hydrocarbons in Water - Concentrations Above SNARLs
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	Chemical	Result	SNARL value

Laboratories Ltd. for all compounds using EPA test method 8015 modified.

Table 19
Title 22 Metals and Volatile Organic Compounds in Groundwater - Concentrations Above MCLs
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	Chemical	Result	MCL value
Area 1				
BASB026	28-Mar-01	Ni	130	100
DUP	28-Mar-01	Ni	130	100
Area 5				
BASB022	04-Apr-01	MTBE	16	13
Area 6				
BASB001	02-Apr-01	TCE	5.2	5
BASB051	02-Apr-01	c-1,2-DCE	9.7	6
BASB051	02-Apr-01	TCE	15	5
BASB081	05-Apr-01	c-1,2-DCE	7.5	6
BASB081	05-Apr-01	TCE	5.4	5
BASB081	05-Apr-01	VC	4.4	0.5
DUP	05-Apr-01	Pb	16	15
DUP	05-Apr-01	c-1,2-DCE	10	6
DUP	05-Apr-01	TCE	11	5
DUP	05-Apr-01	VC	5.7	0.5
Area 8				
BASB050	20-Mar-01	Ba	2000	1000
BASB050	20-Mar-01	Pb	100	15
BASB050	20-Mar-01	Sb	490	6

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

DUP = Duplicate sample

MCL = Maximum concentration limit

MCL values were derived from the California Department of Health Services Primary MCL list, Regional Water Quality Control Board, Central Valley Region, A Compilation of Water Quality Goals, August 2000

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for metals using EPA test method 6010B and for volatile organic compounds using EPA test method 8260B.

Ba = Barium

c-1,2-DCE = cis-1,2-Dichloroethene

MTBE=Methyl-tertiary-butyl ether

Ni = Nickel

Pb = Lead

Sb = Antimony

TCE = Trichloroethene

VC = Vinyl Chloride

ATTACHMENT E

LFR Human Health Screening Evaluation, Exposure Assessment, Toxicity Assessment and Risk Characterization, and Ecological Screening Evaluation

(Extracted from LFR "PSA_R_2001-10-03 on file with the ACHSD)

INTRODUCTION

During the preparation of the Preliminary Environmental Assessment (PEA) for the Oakland Unified School District Batarse Project Site ("the Site"), LFR Levine · Fricke (LFR) reviewed reports prepared for the Site by previous consultants. These reports included the following:

- "Underground Tank Technical Closure Report," prepared by Gen-Tech Environmental, dated March 26, 1993
- "Monitoring Well Installation and Sampling, Lloyd Wise Olds, 10440 East 14th Street, Oakland, California," prepared by Gen-Tech Environmental, dated May 6, 1993
- "Soil and Groundwater Investigation Site at 10440 and 10550 East 14th Street, Oakland, California," prepared by Gen-Tech Environmental, dated May 20, 1994
- "Overview of Environmental Conditions at 10550 East 14th Avenue Nissan/Honda Auto Dealership in Oakland, California," prepared by Gen-Tech Environmental, dated October 11, 1994
- "Monitoring Well Installation and Groundwater Sampling for Lloyd Wise Oldsmobile/Nissan, 10550 East 14th Street, Oakland, California," prepared by Piers Environmental Services, dated September 27, 1995
- "Limited Phase II Environmental Assessment and Groundwater Monitoring Report, 10500 East 14th Street, Oakland, California," prepared by Piers Environmental Services, dated March 13, 1997
- "Fuel Leak Site Case Closure for 10500 East 14th Street, Oakland," prepared by Alameda County Health Care Services Agency (ACHCSA), dated August 14, 1998
- "Phase I Environmental Assessment for 1500–1510 105th Avenue, Oakland, California," prepared by Piers Environmental Services, dated June 5, 1996
- "Phase I Environmental Assessment for 1520 105th Avenue, Oakland, California," prepared by Piers Environmental Services, dated August 27, 1998
- "Phase I Environmental Site Assessment Report, Batarse Project Site, East 14th Street and 105th Avenue, Oakland, California," prepared by ENSR Consulting and Engineering, dated October 2000 (ENSR 2000)

Information obtained from these reports is summarized below. The reports for the properties known as 10440 through 10550 East 14th Street detail work performed off site; however, information contained in these reports is summarized in this PEA to evaluate possible impacts to the Site.

ATTACHMENT B

ENSR Environmental October 25, 2000 Phase I ESA

Pages 9, 10, and 11

- Numerous regulated facilities were mapped by Vista Information Solutions, Inc. (Vista) within a 0.25-mile radius of the project site. Three of the regulated facilities are located adjacent to the site and have been included on the LUST List. These facilities have been granted case closure. Due to their proximity to the site, the releases on the adjacent parcels could have impacted the project site, in ENSR's opinion. It should be noted that case closure may have been granted with residual concentrations of chemicals of concern still present in soil and/or groundwater. These residual concentrations could present a concern to development of the project site with a school if migration onto the project site has occurred.

- Numerous additional regulated facilities were mapped by Vista within the specified search distances. In ENSR's opinion, releases at these facilities would be unlikely to impact the project site due to their distances, locations in cross- to downgradient directions, impacts to soil only and/or case closure being granted by regulatory agencies.

1.4 CONCLUSIONS AND RECOMMENDATIONS

- Soil and groundwater samples were collected from the reported area of the former waste oil UST and sump at 1424 105th Avenue. Soil and groundwater samples collected from the tank excavation in 1993 and a boring located in this area in 1997 revealed non-detectable to low levels of petroleum hydrocarbons and cadmium, chromium, lead, nickel and zinc. Since it is unclear as to whether a waste oil UST was present at this location in the past, ENSR recommends collection and analysis of groundwater samples from the area of the former waste oil UST to evaluate the presence of petroleum hydrocarbons, metals and volatile organic compounds (VOCs) as cleaning solvents were occasionally disposed of in waste oil tanks in the past.

- A subsurface oil/water separator and sump are present at 1424 105th Avenue. ENSR recommends that soil and groundwater samples be collected from the areas of the oil/water separator and sump to evaluate if leakage has occurred in the past.

- Underground hydraulic fluid reservoirs associated with the hydraulic lifts in the maintenance shops at 1424 105th Avenue and 10550 East 14th Street were removed in the mid 1980s. No stained or discolored soils were noted at that time, according to Mr. Rich. To evaluate if leakage from the reservoirs occurred in the past, ENSR recommends collection and analysis of soil samples from the areas around the former lifts.

- Due to the past history (dating back to the 1960s) of auto repair/vehicle maintenance at 1424 105th Avenue and in the service building at 10550 East 14th Street, consideration should be given to collection and analysis of soil and groundwater samples from the areas around these buildings.

- ENSR recommends collection and analysis of soil and groundwater samples from the area around 1500 105th Avenue to evaluate if past activities at the candy factory and photo development laboratory have impacted the subsurface.

- Collection and analysis of soil and groundwater samples from the areas around 1544/1548 105th Avenue should be performed to evaluate impacts, if any, to the subsurface from past activities at the manufacturing facility formerly located on these parcels.

- ENSR recommends collection and analysis of soil and groundwater samples from the area around 1429 through 1439 105th Avenue to evaluate if past or present activities by the site occupants have impacted the subsurface.

- Soil and groundwater samples should be collected for analysis from borings placed in the area of the former print shop (per Building Department Permits) at 1550 105th Avenue (former address for 1544 105th Avenue) to evaluate if past activities have impacted the subsurface.

- ENSR recommends that soil samples be collected for analysis from the vacant lot on the east side of 1520 105th Avenue and current residential parcels to evaluate if lead from exterior paints from the former residential buildings or pesticides applied during fumigation have impacted the shallow soils. In ENSR's opinion, elevated levels of lead and pesticides are unlikely to be present in shallow soils of the remaining lots that were residentially developed in the past due to likely removal of surface soils during redevelopment of these parcels.

- ENSR recommends collection and analysis of soil and groundwater samples from borings placed on the A/C Transit parcel to evaluate impacts to the project site from the A/C Transit vehicle wash building (i.e., leakage from chemical storage areas or subsurface oil/water separators).

- Soil samples should be collected from along the railroad tracks located on the A/C Transit and UPRR parcels to evaluate the subsurface conditions in these areas.

- The water well located at 1510 105th Avenue should be properly destroyed if still present at this location.

- Heating oil USTs may have been installed on the parcels that are occupied by residential buildings. Collection and analysis of soil and groundwater samples from parcels along 105th Avenue should be considered to evaluate current groundwater conditions.

- Based on the age of the on-site buildings, materials suspected of containing asbestos and lead-based paints (LBPs) are likely present. ENSR recommends that a building materials survey be conducted to establish if asbestos containing materials (ACMs) or LBPs are present prior to renovation or demolition of the buildings. ACMs and peeling/flaking LBPs should be removed by a California Occupational Safety and Health Administration (Cal/OSHA) registered contractor using appropriate worker protection.

- Fluorescent light ballasts in the on-site buildings may contain PCBs based on the ages of the buildings. A survey should be conducted to identify ballasts with PCBs so that these ballasts can be properly removed and disposed of during routine maintenance work or prior to renovation/demolition that would require their removal.

- In ENSR's opinion, the releases at facilities located adjacent to the site could have impacted the site. Consideration should be given to reviewing the files for these facilities at the regulatory agencies. The remaining releases mapped in the site vicinity would be unlikely to impact the project site, in ENSR's opinion, due to their distances, locations in cross- to downgradient directions, impacts to soil only and/or case closure being granted by regulatory agencies.

In conclusion, several significant environmental concerns were noted during ENSR's site reconnaissance or site history review. The findings are discussed in greater detail in the text of this report.

ENSR, as required by SB162, includes the following recommendation: A Preliminary Endangerment Assessment (PEA) is needed, including sampling or testing, to establish the following:

(A) The likelihood that a release of hazardous material has occurred and, if so, the extent of the release;

(B) If there is the threat of a release of hazardous materials; and

(C) If a naturally occurring hazardous material is present.

ATTACHMENT C

LFR Sample Analyses and Results Tables

(Extracted from LFR "PSA_R_2001-10-03 on file with the ACHSD)

Table 5
Sample Analysis Summary
Batarse Site, Oakland, California

Location ID	Field Sample ID	Date Sampled	extr-TPH	Metals	OCPs	PAHs	PCBs	purg-TPH	SVOCs	TOC	VOCs
Area 1											
BASB026	SB-26-GGW	28-Mar-01	X	X				X			X
DUP	SB-126-GGW	28-Mar-01	X	X				X			X
BASB026	SB-26-4'	28-Mar-01	X	X				X			
BASB026	SB-26-7'	28-Mar-01	X	X				X			
BASB026	SB-26-10'	28-Mar-01	X	X				X			
BASB026	SB-26-15'	28-Mar-01	X	X				X			
BASB026	SB-26-25'	28-Mar-01	X	X				X			
BASB027	SB-27-GGW	27-Mar-01	X	X				X			X
BASB027	SB-27-4'	27-Mar-01	X	X				X			
BASB027	SB-27-6.5'	27-Mar-01	X	X				X			
BASB027	SB-27-10'	27-Mar-01	X	X				X			
BASB027	SB-27-15'	27-Mar-01	X	X				X			
BASB027	SB-27-25'	27-Mar-01	X	X				X			
BASB028	SB-28-GGW	27-Mar-01	X	X				X			X
BASB028	SB-28-1'	27-Mar-01	X	X				X			
BASB028	SB-28-4'	27-Mar-01	X	X				X			
BASB028	SB-28-7'	27-Mar-01	X	X				X			
BASB028	SB-28-10'	27-Mar-01	X	X				X			
BASB028	SB-28-15'	27-Mar-01	X	X				X			
BASB028	SB-28-25'	27-Mar-01	X	X				X			
BASB029	SB-29-GGW	23-Mar-01	X	X				X			X
BASB029	SB-29-4	23-Mar-01	X	X				X			X
DUP	SB-29-5	23-Mar-01	X	X				X			X
BASB029	SB-29-10	23-Mar-01	X	X				X			X
BASB029	SB-29-15	23-Mar-01	X	X				X			X
BASB029	SB-29-20	23-Mar-01	X	X				X			X
BASB029	SB-29-25	23-Mar-01	X	X				X			X
BASB030	SB-30-GGW	23-Mar-01	X	X				X			X
BASB030	SB-30-5	23-Mar-01	X	X				X			X
BASB030	SB-30-10	23-Mar-01	X	X				X			X
BASB030	SB-30-15	23-Mar-01	X	X				X			X
BASB030	SB-30-20	23-Mar-01	X	X				X			X
BASB030	SB-30-25	23-Mar-01	X	X				X			X
BASB031	SB-31-GGW	26-Mar-01	X	X				X			X
BASB031	SB-31-4'	26-Mar-01	X	X				X			
BASB031	SB-31-7'	26-Mar-01	X	X				X			
BASB031	SB-31-10'	26-Mar-01	X	X				X			
BASB031	SB-31-15'	26-Mar-01	X	X				X			
BASB031	SB-31-23'	26-Mar-01	X	X				X			

Table 5
Sample Analysis Summary
Batarse Site, Oakland, California

Location ID	Field Sample ID	Date Sampled	extr-TPH	Metals	OCPs	PAHs	PCBs	purg-TPH	SVOCs	TOC	VOCs
Area 1											
BASB031	SB-31-25'	26-Mar-01	X	X				X			
BASB032	SB-32-GGW	26-Mar-01	X	X				X			X
BASB032	SB-32-4'	26-Mar-01	X	X				X			
DUP	SB-32-5'	26-Mar-01	X	X				X			
BASB032	SB-32-9.5'	26-Mar-01	X	X				X			
BASB032	SB-32-15'	26-Mar-01	X	X				X			
BASB032	SB-32-25'	26-Mar-01	X	X				X			
BASB033	SB-33-GGW	26-Mar-01	X	X				X			X
BASB033	SB-33-4'	26-Mar-01	X	X				X			
BASB033	SB-33-6.5'	26-Mar-01	X	X				X			
BASB033	SB-33-10'	26-Mar-01	X	X				X			
BASB033	SB-33-15'	26-Mar-01	X	X				X			
BASB033	SB-33-25'	26-Mar-01	X	X				X			
BASB034	SB-34-GGW	27-Mar-01	X	X				X			X
BASB034	SB-34-4'	27-Mar-01	X	X				X			
BASB034	SB-34-6.75'	27-Mar-01	X	X				X			
BASB034	SB-34-10'	27-Mar-01	X	X				X			
BASB034	SB-34-15'	27-Mar-01	X	X				X			
BASB034	SB-34-25'	27-Mar-01	X	X				X			
BASB036	SB-36-GGW	22-Mar-01	X	X				X			X
BASB036	SB-36-4	22-Mar-01	X	X				X			X
DUP	SB-36-5.5	22-Mar-01	X	X				X			X
BASB036	SB-36-10	22-Mar-01	X	X				X			X
BASB036	SB-36-15	22-Mar-01	X	X				X			X
BASB036	SB-36-25	22-Mar-01	X	X				X			X
BASB037	SB-37-GGW	22-Mar-01	X	X				X			X
BASB037	SB-37-5	22-Mar-01	X	X				X			X
BASB037	SB-37-10	22-Mar-01	X	X				X			X
BASB037	SB-37-15	22-Mar-01	X	X				X			X
BASB037	SB-37-25	22-Mar-01	X	X				X			X
BASB070	SB-70-GGW	03-Apr-01	X	X				X			X
BASB070	SB-70-3.5'	03-Apr-01	X	X				X			
BASB070	SB-70-6.5'	03-Apr-01	X	X				X			
BASB070	SB-70-10'	03-Apr-01	X	X				X			
BASB070	SB-70-15'	03-Apr-01	X	X				X			
BASB070	SB-70-23'	03-Apr-01	X	X				X			X
BASB070	SB-70-25'	03-Apr-01	X	X				X			X
BASB071	SB-71-GGW	03-Apr-01	X	X				X	X		X
BASB071	SB-71-2'	03-Apr-01	X	X				X			

Table 5
Sample Analysis Summary
Batarse Site, Oakland, California

Location ID	Field Sample ID	Date Sampled	extr-TPH	Metals	OCPs	PAHs	PCBs	purg-TPH	SVOCs	TOC	VOCs
Area 1											
BASB071	SB-71-7'	03-Apr-01	X	X				X			
BASB071	SB-71-10'	03-Apr-01	X	X				X			
BASB071	SB-71-15'	03-Apr-01	X	X				X			
BASB071	SB-71-19'	03-Apr-01	X	X				X			
BASB071	SB-71-20'	03-Apr-01	X	X				X			X
BASB071	SB-71-23'	03-Apr-01	X	X				X			X
BASB071	SB-71-25'	03-Apr-01	X	X				X			X
BASB072	SB-72-GGW	05-Apr-01	X	X				X	X		X
BASB072	SB-72-2.5'	05-Apr-01	X	X				X			
BASB072	SB-72-6'	05-Apr-01	X	X				X			
BASB072	SB-72-10'	05-Apr-01	X	X				X			
BASB072	SB-72-15'	05-Apr-01	X	X				X			
BASB072	SB-72-25'	05-Apr-01	X	X				X			
BASB073	SB-73-GGW	02-Apr-01	X	X				X			X
BASB073	SB-73-3'	02-Apr-01	X	X				X			
BASB073	SB-73-5'	02-Apr-01	X	X				X			
BASB073	SB-73-10'	02-Apr-01	X	X				X			
BASB073	SB-73-15'	02-Apr-01	X	X				X			
BASB073	SB-73-20'	02-Apr-01	X	X				X			
BASB073	SB-73-25'	02-Apr-01	X	X				X			
BASB074	SB-74-GGW	02-Apr-01	X	X				X			X
BASB074	SB-74-3'	02-Apr-01	X	X				X			
BASB074	SB-74-10'	02-Apr-01	X	X				X			
BASB074	SB-74-15'	02-Apr-01	X	X				X			
BASB074	SB-74-25'	02-Apr-01	X	X				X			
BASB075	SB-75-GGW	02-Apr-01	X	X				X			X
BASB075	SB-75-7'	02-Apr-01	X	X				X			
BASB075	SB-75-10'	02-Apr-01	X	X				X			
BASB075	SB-75-15'	02-Apr-01	X	X				X			
BASB075	SB-75-25'	02-Apr-01	X	X				X			
BASB076	SB-76-GGW	30-Mar-01	X	X				X			X
BASB076	SB-76-4'	30-Mar-01	X	X				X			
BASB076	SB-76-7'	30-Mar-01	X	X				X			
BASB076	SB-76-10'	30-Mar-01	X	X				X			
BASB076	SB-76-15'	30-Mar-01	X	X				X			
BASB076	SB-76-20'	30-Mar-01	X	X				X			
BASB076	SB-76-25'	30-Mar-01	X	X				X			
BASB077	SB-77-GGW	30-Mar-01	X	X				X			X
BASB077	SB-77-4'	30-Mar-01	X	X				X			

Table 5
Sample Analysis Summary
Batarse Site, Oakland, California

Location ID	Field Sample ID	Date Sampled	extr-TPH	Metals	OCPs	PAHs	PCBs	purg-TPH	SVOCs	TOC	VOCs
Area 1											
DUP	SB-77-5'	30-Mar-01	X	X				X			
BASB077	SB-77-10'	30-Mar-01	X	X				X			
BASB077	SB-77-15'	30-Mar-01	X	X				X			
BASB077	SB-77-20'	30-Mar-01	X	X				X			
BASB077	SB-77-25'	30-Mar-01	X	X				X			
BASB078	SB-78-13	04-Apr-01								X	
BASB078	SB-78-28	04-Apr-01								X	
BASB078	SB-78-GGW	05-Apr-01	X	X				X	X		X
BASB078	SB-78-4'	05-Apr-01	X	X				X			
BASB078	SB-78-7'	05-Apr-01	X	X				X			
BASB078	SB-78-10'	05-Apr-01	X	X				X			
BASB078	SB-78-15'	05-Apr-01	X	X				X			
BASB078	SB-78-25'	05-Apr-01	X	X				X			
BASB082	SB-82-GGW	05-Apr-01	X	X				X			X
BASB082	SB-82-2'	05-Apr-01	X	X		X		X	X		X
BASB082	SB-82-5'	05-Apr-01	X	X		X		X	X		X
BASB082	SB-82-12'	05-Apr-01	X	X		X		X	X		X
BASB082	SB-82-15'	05-Apr-01	X	X		X		X	X		X
BASB082	SB-82-20'	05-Apr-01	X	X		X		X	X		X
Area 2											
BASB006	SB-6-GGW	31-Mar-01	X	X				X			X
BASB006	SB-6-2'	31-Mar-01	X	X				X			X
BASB006	SB-6-6'	31-Mar-01	X	X				X			X
BASB006	SB-6-10'	31-Mar-01	X	X				X			X
BASB006	SB-6-15'	31-Mar-01	X	X				X			X
BASB006	SB-6-27'	31-Mar-01	X	X				X			X
BASB007	SB-7-GGW	31-Mar-01	X	X				X			X
BASB007	SB-7-2'	31-Mar-01	X	X				X			X
BASB007	SB-7-5'	31-Mar-01	X	X				X			X
BASB007	SB-7-10'	31-Mar-01	X	X				X			X
BASB007	SB-7-15'	31-Mar-01	X	X				X			X
BASB007	SB-7-26'	31-Mar-01	X	X				X			X
BASB008	SB-8-GGW	21-Mar-01	X	X				X			X
BASB008	SB-8-4	21-Mar-01	X	X				X			X
DUP	SB-8-5	21-Mar-01	X	X				X			X
BASB008	SB-8-10	21-Mar-01	X	X				X			X
BASB008	SB-8-15	21-Mar-01	X	X				X			X
BASB008	SB-8-25	21-Mar-01	X	X				X			X
Area 3											

Table 5
Sample Analysis Summary
Batarse Site, Oakland, California

Location ID	Field Sample ID	Date Sampled	extr-TPH	Metals	OCPs	PAHs	PCBs	purg-TPH	SVOCs	TOC	VOCs
Area 3											
BADW001	DW-1	23-Mar-01	X	X				X			X
BASB040	SB-40-GGW	03-Apr-01	X	X				X	X		X
BASB040	SB-40-4'	03-Apr-01	X	X				X			
DUP	SB-40-5'	03-Apr-01	X	X				X			
BASB040	SB-40-10'	03-Apr-01	X	X				X			
BASB040	SB-40-15'	03-Apr-01	X	X				X			
BASB040	SB-40-20'	03-Apr-01	X	X				X			
BASB040	SB-40-25'	03-Apr-01	X	X				X			
BASB041	SB-41-GGW	28-Mar-01	X	X				X			X
BASB041	SB-41-4'	28-Mar-01	X	X				X			
DUP	SB-41-5'	28-Mar-01	X	X				X			
BASB041	SB-41-10'	28-Mar-01	X	X				X			
BASB041	SB-41-15'	28-Mar-01	X	X				X			
BASB041	SB-41-25'	28-Mar-01	X	X				X			
Area 4											
BASB012	SB-12GGW	19-Mar-01	X	X				X			X
BASB012	SB-12-4'	19-Mar-01	X	X							
DUP	SB-12-4.5'	19-Mar-01						X			X
BASB012	SB-12-10'	19-Mar-01	X	X				X			X
BASB012	SB-12-15'	19-Mar-01	X	X				X			X
BASB012	SB-12-24.5'	19-Mar-01	X	X				X			X
BASB013	SB-13-3	20-Mar-01	X	X				X			X
BASB013	SB-13-5	20-Mar-01	X	X				X			X
BASB013	SB-13-10	20-Mar-01	X	X				X			X
BASB013	SB-13-15	20-Mar-01	X	X				X			X
BASB016	SB-16-GGW	04-Apr-01	X	X				X			X
DUP	SB-116-GGW	04-Apr-01	X	X				X			X
BASB016	SB-16-2.5'	04-Apr-01	X	X				X			X
BASB016	SB-16-6'	04-Apr-01	X	X				X			X
BASB016	SB-16-10'	04-Apr-01	X	X				X			X
BASB016	SB-16-13	04-Apr-01								X	
BASB016	SB-16-15'	04-Apr-01	X	X				X			X
BASB016	SB-16-19	04-Apr-01								X	
BASB016	SB-16-25'	04-Apr-01	X	X				X			X
BASB016	SB-16-28	04-Apr-01								X	
Area 5											
BASB022	SB-22-GGW	04-Apr-01	X	X				X			X
BASB022	SB-22-2'	04-Apr-01	X	X				X			X
BASB022	SB-22-5'	04-Apr-01	X	X				X			X

Table 5
Sample Analysis Summary
Batarse Site, Oakland, California

Location ID	Field Sample ID	Date Sampled	extr-TPH	Metals	OCPs	PAHs	PCBs	purg-TPH	SVOCs	TOC	VOCs
Area 5											
BASB022	SB-22-10'	04-Apr-01	X	X				X			X
BASB022	SB-22-15'	04-Apr-01	X	X				X			X
BASB022	SB-22-21'	04-Apr-01	X	X				X			X
BASB023	SB-23-GGW	04-Apr-01	X	X				X			X
BASB023	SB-23-2'	04-Apr-01	X	X				X			
BASB023	SB-23-5'	04-Apr-01	X	X				X			
BASB023	SB-23-11'	04-Apr-01	X	X				X			
BASB023	SB-23-15'	04-Apr-01	X	X				X			
BASB023	SB-23-21'	04-Apr-01	X	X				X			
BASB024	SB-24-GGW	04-Apr-01	X	X				X			X
BASB024	SB-24-2'	04-Apr-01	X	X				X			
BASB024	SB-24-4'	04-Apr-01	X	X				X			
BASB024	SB-24-10'	04-Apr-01	X	X				X			
BASB024	SB-24-15'	04-Apr-01	X	X				X			
BASB024	SB-24-22'	04-Apr-01	X	X				X			
BASB025	SB-25-GGW	04-Apr-01	X	X				X			X
BASB025	SB-25-4'	04-Apr-01	X	X				X			
DUP	SB-25-5'	04-Apr-01	X	X				X			
BASB025	SB-25-10'	04-Apr-01	X	X				X			
BASB025	SB-25-15'	04-Apr-01	X	X				X			
BASB025	SB-25-25'	04-Apr-01	X	X				X			
BASB086	SB-86-GGW	04-Apr-01	X	X				X			X
BASB086	SB-86-2'	04-Apr-01	X	X				X			
BASB086	SB-86-4'	04-Apr-01	X	X				X			
BASB086	SB-86-10'	04-Apr-01	X	X				X			
BASB086	SB-86-16'	04-Apr-01	X	X				X			
BASB086	SB-86-20'	04-Apr-01	X	X				X			
BASB087	SB-87-GGW	04-Apr-01	X	X				X			X
BASB087	SB-87-4'	04-Apr-01	X	X				X			
DUP	SB-87-5'	04-Apr-01	X	X				X			
BASB087	SB-87-10'	04-Apr-01	X	X				X			
BASB087	SB-87-15'	04-Apr-01	X	X				X			
BASB087	SB-87-25'	04-Apr-01	X	X				X			
Area 6											
BASB001	SB-1-GGW	02-Apr-01	X	X				X			X
BASB001	SB-1-3'	02-Apr-01	X	X				X			
BASB001	SB-1-5'	02-Apr-01	X	X				X			
BASB001	SB-1-10'	02-Apr-01	X	X				X			
BASB001	SB-1-15'	02-Apr-01	X	X				X			

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 1								
BASB026	28-Mar-01	(3.5-4.0)	6.3 YZ	<0.91	11 Y	<0.91	NA	NA
BASB026	28-Mar-01	(6.5-7.0)	14 YZ	<1	<5	<1	NA	NA
BASB026	28-Mar-01	(9.5-10.0)	22 YZ	<1	<5	<1	NA	NA
BASB026	28-Mar-01	(14.5-15.0)	26 YZ	<1.1	<5	<1.1	NA	NA
BASB026	28-Mar-01	(24.5-25.0)	5.5 YZ	<1	<5	<1	NA	NA
BASB027	27-Mar-01	(3.5-4.0)	35 YHZ	<0.97	120 YH	<0.97	NA	NA
BASB027	27-Mar-01	(6.0-6.5)	7.4 YZ	<1	<5	<1	NA	NA
BASB027	27-Mar-01	(9.5-10.0)	9.7 YZ	<0.95	<5	<0.95	NA	NA
BASB027	27-Mar-01	(14.5-15.0)	18 YZ	<1	<5	<1	NA	NA
BASB027	27-Mar-01	(24.5-25.0)	26 YZ	<0.91	<5	<0.91	NA	NA
BASB028	27-Mar-01	(0.5-1.0)	24 YZ	<0.99	58 Y	<0.99	NA	NA
BASB028	27-Mar-01	(3.5-4.0)	14 YZ	<1.1	<5	<1.1	NA	NA
BASB028	27-Mar-01	(6.5-7.0)	18 YZ	<1.1	<5	<1.1	NA	NA
BASB028	27-Mar-01	(9.5-10.0)	15 YZ	<0.92	<5	<0.92	NA	NA
BASB028	27-Mar-01	(14.5-15.0)	17 YZ	<1.1	<5	<1.1	NA	NA
BASB028	27-Mar-01	(24.5-25.0)	20 YZ	<0.97	<5	<0.97	NA	NA
BASB029	23-Mar-01	(3.5-4.0)	18 YZ	<1.1	5.5 Y	<1.1	NA	NA
DUP	23-Mar-01	(4.5-5.0)	9.5 YZ	<0.95	<5	<0.95	NA	NA
BASB029	23-Mar-01	(9.5-10.0)	40 YZ	<1	5.3 Y	<1	NA	NA
BASB029	23-Mar-01	(14.5-15.0)	19 YZ	<0.96	<5	<0.96	NA	NA
BASB029	23-Mar-01	(19.5-20.0)	18 YZ	<1	9 Y	<1	NA	NA
BASB029	23-Mar-01	(24.5-25.0)	<1	<0.93	<5	<0.93	NA	NA
BASB030	23-Mar-01	(4.5-5.0)	15 YZ	<1.1	<5	<1.1	NA	NA
BASB030	23-Mar-01	(9.5-10.0)	16 YZ	<0.93	<5	<0.93	NA	NA
BASB030	23-Mar-01	(14.5-15.0)	13 YZ	<0.93	<5	<0.93	NA	NA
BASB030	23-Mar-01	(19.5-20.0)	19 YZ	<0.94	<5	<0.94	NA	NA
BASB030	23-Mar-01	(24.5-25.0)	18 YZ	<0.93	<5	<0.93	NA	NA
BASB031	26-Mar-01	(3.5-4.0)	8.5 YZH	<1.1	12	<1.1	NA	NA
BASB031	26-Mar-01	(6.5-7.0)	21 YZ	440 JYH	5.7 Y	480 JYL	NA	220 J
BASB031	26-Mar-01	(9.5-10.0)	79 YLZ	490 JYH	<5	530 JYL	NA	250 J
BASB031	26-Mar-01	(14.5-15.0)	20 YLZ	180 JYH	<5	190 JYL	NA	89 J
BASB031	26-Mar-01	(22.5-23.0)	49 YLH	80 JYH	36	87 JYL	NA	40 J

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 1								
BASB031	26-Mar-01	(24.5-25.0)	83 YLZ	<0.99	51	<0.99	NA	<0.99
BASB032	26-Mar-01	(3.5-4.0)	33 YZH	<1.1	69	<1.1	NA	<1.1
DUP	26-Mar-01	(4.5-5.0)	85 YH	<0.93	360	<0.93	NA	NA
BASB032	26-Mar-01	(9.0-9.5)	20 YZ	<0.95	<5	<0.95	NA	NA
BASB032	26-Mar-01	(14.5-15.0)	8.6 YZ	<1.1	<5	<1.1	NA	NA
BASB032	26-Mar-01	(24.5-25.0)	23 YZ	<1	<5	<1	NA	NA
BASB033	26-Mar-01	(3.5-4.0)	83 YHZ	<0.97	240	<0.97	NA	NA
BASB033	26-Mar-01	(6.0-6.5)	11 YZ	<1.1	<5	<1.1	NA	NA
BASB033	26-Mar-01	(9.5-10.0)	27 YZ	<1	<5	<1	NA	NA
BASB033	26-Mar-01	(14.5-15.0)	16 YZ	<1	<5	<1	NA	NA
BASB033	26-Mar-01	(24.5-25.0)	5.8 YZ	<0.93	<5	<0.93	NA	NA
BASB034	27-Mar-01	(3.5-4.0)	5 YHZ	<0.92	18 Y	<0.92	NA	NA
BASB034	27-Mar-01	(6.25-6.75)	8.1 YZ	<1.1	<5	<1.1	NA	NA
BASB034	27-Mar-01	(9.5-10.0)	18 YZ	<1.1	5.2 Y	<1.1	NA	NA
BASB034	27-Mar-01	(14.5-15.0)	12 YZ	<0.94	<5	<0.94	NA	NA
BASB034	27-Mar-01	(24.5-25.0)	16 YZ	<0.96	<5	<0.96	NA	NA
BASB036	22-Mar-01	(3.5-4.0)	160 YH	<0.94	630	<0.94	NA	NA
DUP	22-Mar-01	(5.0-5.5)	23 YZ	<1	<5	<1	NA	NA
BASB036	22-Mar-01	(9.5-10.0)	20 YZ	<0.99	<5	<0.99	NA	NA
BASB036	22-Mar-01	(14.5-15.0)	17 YZ	<0.99	<5	<0.99	NA	NA
BASB036	22-Mar-01	(24.5-25.0)	21 YZ	<1	<5	<1	NA	NA
BASB037	22-Mar-01	(4.5-5.0)	17 YZ	<1.1	72 YH	<1.1	NA	NA
BASB037	22-Mar-01	(9.5-10.0)	9.1 YZ	<1	<5	<1	NA	NA
BASB037	22-Mar-01	(14.5-15.0)	16 YZ	<0.94	<5	<0.94	NA	NA
BASB037	22-Mar-01	(24.5-25.0)	11 YZ	<1	<5	<1	NA	NA
BASB070	03-Apr-01	(3.0-3.5)	5.6 YH	<1	51	NA	<1	NA
BASB070	03-Apr-01	(6.0-6.5)	1.1 YZ	<1	<5	NA	<1	NA
BASB070	03-Apr-01	(9.5-10.0)	1.1 YZ	<0.91	<5	NA	<0.91	NA
BASB070	03-Apr-01	(14.5-15.0)	1.3 YZ	<0.98	<5	NA	<0.98	NA
BASB070	03-Apr-01	(22.5-23.0)	23 YL	<1.1	<5	NA	<1.1	NA
BASB070	03-Apr-01	(24.5-25.0)	<1	<1	<5	NA	<1	NA
BASB071	03-Apr-01	(1.5-2.0)	33 YH	<1.1	85	NA	<1.1	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 1								
BASB071	03-Apr-01	(6.5-7.0)	3.1 YZ	<1.1	5.7 Y	NA	<1.1	NA
BASB071	03-Apr-01	(9.5-10.0)	1 YZ	<0.96	<5	NA	<0.96	NA
BASB071	03-Apr-01	(14.5-15.0)	1.3 YZ	<0.99	<5	NA	<0.99	NA
BASB071	03-Apr-01	(18.5-19.0)	<1	<0.97	<5	NA	<0.97	NA
BASB071	03-Apr-01	(19.5-20.0)	8.9 YLZ	5 Y	<5	NA	4.1	NA
BASB071	03-Apr-01	(22.5-23.0)	59 YL	7.5 Y	6	NA	6.2	NA
BASB071	03-Apr-01	(24.5-25.0)	68 YL	60 Y	9.3	NA	38	NA
BASB072	05-Apr-01	(2.0-2.5)	30 YH	<1.1	76 Y	NA	<1.1	NA
BASB072	05-Apr-01	(5.5-6.0)	<1	<0.95	<5	NA	<0.95	NA
BASB072	05-Apr-01	(9.5-10.0)	<1	<0.93	<5	NA	<0.93	NA
BASB072	05-Apr-01	(14.5-15.0)	<1	<0.91	<5	NA	<0.91	NA
BASB072	05-Apr-01	(24.5-25.0)	<0.99	<0.99	<5	NA	<0.99	NA
BASB073	02-Apr-01	(2.5-3.0)	12 YH	<1.1	120 Y	NA	<1.1	NA
BASB073	02-Apr-01	(4.5-5.0)	2 YH	<0.97	12 Y	NA	<0.97	NA
BASB073	02-Apr-01	(9.5-10.0)	<1	<0.94	<5	NA	<0.94	NA
BASB073	02-Apr-01	(14.5-15.0)	<1	<1	<5	NA	<1	NA
BASB073	02-Apr-01	(19.5-20.0)	1 Y	<1	<5	NA	<1	NA
BASB073	02-Apr-01	(24.5-25.0)	<1	<0.95	<5	NA	<0.95	NA
BASB074	02-Apr-01	(2.5-3.0)	2.2 YH	<0.93	13 Y	NA	<0.93	NA
BASB074	02-Apr-01	(9.5-10.0)	<1	<0.94	<5	NA	<0.94	NA
BASB074	02-Apr-01	(14.5-15.0)	<1	<0.96	<5	NA	<0.96	NA
BASB074	02-Apr-01	(24.5-25.0)	<0.99	<0.97	<5	NA	<0.97	NA
BASB075	02-Apr-01	(6.5-7.0)	<0.99	<0.96	<5	NA	<0.96	NA
BASB075	02-Apr-01	(9.5-10.0)	<1	<0.91	<5	NA	<0.91	NA
BASB075	02-Apr-01	(14.5-15.0)	<1	<0.94	<5	NA	<0.94	NA
BASB075	02-Apr-01	(24.5-25.0)	<1	<1.1	<5	NA	<1.1	NA
BASB076	30-Mar-01	(3.5-4.0)	9.8 YH	<1	25 Y	NA	<1	NA
BASB076	30-Mar-01	(6.5-7.0)	2.9 YZ	<0.99	<5	NA	<0.99	NA
BASB076	30-Mar-01	(9.5-10.0)	6.8 YZ	<0.94	<5	NA	<0.94	NA
BASB076	30-Mar-01	(14.5-15.0)	7.8 YZ	<0.94	<5	NA	<0.94	NA
BASB076	30-Mar-01	(19.5-20.0)	3.8 YZ	<1.1	<5	NA	<1.1	NA
BASB076	30-Mar-01	(24.5-25.0)	5.6 YZ	<1	<5	NA	<1	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 1								
BASB077	30-Mar-01	(3.5-4.0)	270 YH	<1	2200 Y	NA	<1	NA
DUP	30-Mar-01	(4.5-5.0)	13 YZ	<0.99	6 Y	NA	<0.99	NA
BASB077	30-Mar-01	(9.5-10.0)	22 YZ	<0.93	<5	NA	<0.93	NA
BASB077	30-Mar-01	(14.5-15.0)	1.9 YZ	<0.92	<5	NA	<0.92	NA
BASB077	30-Mar-01	(19.5-20.0)	11 YZ	<0.91	<5	NA	<0.91	NA
BASB077	30-Mar-01	(24.5-25.0)	1.9 YZ	<0.96	<5	NA	<0.96	NA
BASB078	05-Apr-01	(3.5-4.0)	4.3 YH	<1	30 Y	NA	<1	NA
BASB078	05-Apr-01	(6.5-7.0)	<0.99	<0.93	<5	NA	<0.93	NA
BASB078	05-Apr-01	(9.5-10.0)	<1	<1.1	<5	NA	<1.1	NA
BASB078	05-Apr-01	(14.5-15.0)	<0.99	<0.94	<5	NA	<0.94	NA
BASB078	05-Apr-01	(24.5-25.0)	<0.99	<1	<5	NA	<1	NA
BASB082	05-Apr-01	(1.5-2.0)	1.1 YH	<0.91	7.5 Y	NA	<0.91	NA
BASB082	05-Apr-01	(4.5-5.0)	<0.99	<1	<5	NA	<1	NA
BASB082	05-Apr-01	(11.5-12.0)	<1	<0.96	13 YH	NA	<0.96	NA
BASB082	05-Apr-01	(14.5-15.0)	<1	<1	<5	NA	<1	NA
BASB082	05-Apr-01	(19.5-20.0)	<0.99	<1.1	10 YH	NA	<1.1	NA
Area 2								
BASB006	31-Mar-01	(1.5-2.0)	4.4 YZ	<0.96	9.1 Y	NA	<0.96	NA
BASB006	31-Mar-01	(5.5-6.0)	<1	<1.1	<5	NA	<1.1	NA
BASB006	31-Mar-01	(9.5-10.0)	<0.99	<0.99	<5	NA	<0.99	NA
BASB006	31-Mar-01	(14.5-15.0)	<1	<0.92	<5	NA	<0.92	NA
BASB006	31-Mar-01	(26.5-27.0)	<1	<0.94	<5	NA	<0.94	NA
BASB007	31-Mar-01	(1.5-2.0)	2.3 YZ	<1.1	5.6 Y	NA	<1.1	NA
BASB007	31-Mar-01	(4.5-5.0)	1.3 YZ	<1.1	<5	NA	<1.1	NA
BASB007	31-Mar-01	(9.5-10.0)	<1	<1	<5	NA	<1	NA
BASB007	31-Mar-01	(14.5-15.0)	<0.99	<0.97	<5	NA	<0.97	NA
BASB007	31-Mar-01	(25.5-26.0)	<1	<1	<5	NA	<1	NA
BASB008	21-Mar-01	(3.5-4.0)	12 YH	<0.97	22 Y	<0.97	NA	NA
DUP	21-Mar-01	(4.5-5.0)	21 YZ	<0.92	<25	<0.92	NA	NA
BASB008	21-Mar-01	(9.5-10.0)	23 YZ	<0.92	<25	<0.92	NA	NA
BASB008	21-Mar-01	(14.5-15.0)	14 YZ	<0.95	<25	<0.95	NA	NA
BASB008	21-Mar-01	(24.5-25.0)	18 YZ	<0.92	<25	<0.92	NA	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 3								
BASB040	03-Apr-01	(3.5-4.0)	3.7 YZ	<0.93	5.1 Y	NA	<0.93	NA
DUP	03-Apr-01	(4.5-5.0)	2.8 YZ	<0.94	<5	NA	<0.94	NA
BASB040	03-Apr-01	(9.5-10.0)	<0.99	<1.1	<5	NA	<1.1	NA
BASB040	03-Apr-01	(14.5-15.0)	<1	<1	<5	NA	<1	NA
BASB040	03-Apr-01	(19.5-20.0)	1.2 YZ	<0.92	<5	NA	<0.92	NA
BASB040	03-Apr-01	(24.5-25.0)	1.1 YZ	<1.1	<5	NA	<1.1	NA
BASB041	28-Mar-01	(3.5-4.0)	9.5 YZ	<0.99	59 Y	<0.99	NA	NA
DUP	28-Mar-01	(4.5-5.0)	27 YZ	<1	6.5 Y	<1	NA	NA
BASB041	28-Mar-01	(9.5-10.0)	3.1 YZ	<0.95	7.9 Y	<0.95	NA	NA
BASB041	28-Mar-01	(14.5-15.0)	37 YZ	<0.95	8.5 Y	<0.95	NA	NA
BASB041	28-Mar-01	(24.5-25.0)	23 YZ	3.6 YH	29 Y	4.3 b	NA	NA
Area 4								
BASB012	19-Mar-01	(3.5-4.0)	6.6 YH	NA	22	NA	NA	NA
DUP	19-Mar-01	(4.0-4.5)	NA	<1.1	NA	<1.1	NA	NA
BASB012	19-Mar-01	(9.5-10.0)	5.5 YZ	<1.1	<5	<1.1	NA	NA
BASB012	19-Mar-01	(14.5-15.0)	26 YZ	<0.94	<25	<0.94	NA	NA
BASB012	19-Mar-01	(24.0-24.5)	<1	<1.1	<5	<1.1	NA	NA
BASB013	20-Mar-01	(2.5-3.0)	27 YZ	<1.1	5.6 Y	<1.1	NA	NA
BASB013	20-Mar-01	(4.5-5.0)	7.9 YZ	<0.99	<5	<0.99	NA	NA
BASB013	20-Mar-01	(9.5-10.0)	<0.99	<1	<5	<1	NA	NA
BASB013	20-Mar-01	(14.5-15.0)	13 YZ	<1	<9.9	<1	NA	NA
BASB016	04-Apr-01	(2.0-2.5)	12 YHZ	<1	32 Y	NA	<1	NA
BASB016	04-Apr-01	(5.5-6.0)	<1	<0.98	<5	NA	<0.98	NA
BASB016	04-Apr-01	(9.5-10.0)	<1	<1	<5	NA	<1	NA
BASB016	04-Apr-01	(14.5-15.0)	<0.99	<1.1	<5	NA	<1.1	NA
BASB016	04-Apr-01	(24.5-25.0)	<1	<0.93	<5	NA	<0.93	NA
Area 5								
BASB022	04-Apr-01	(1.5-2.0)	220 YLH	<1	1300	NA	<1	NA
BASB022	04-Apr-01	(4.5-5.0)	970 YLH	<1.1	490	NA	<1.1	NA
BASB022	04-Apr-01	(9.5-10.0)	600 YLH	<1	300	NA	<1	NA
BASB022	04-Apr-01	(14.5-15.0)	7 YL	<1.1	<5	NA	<1.1	NA
BASB022	04-Apr-01	(20.5-21.0)	14 YLH	2.5 YH	13	NA	1.6 YH	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 5								
BASB023	04-Apr-01	(1.5-2.0)	11 YH	<0.92	63	NA	<0.92	NA
BASB023	04-Apr-01	(4.5-5.0)	<1	<1.1	5 Y	NA	<1.1	NA
BASB023	04-Apr-01	(10.5-11.0)	<1	<0.91	<5	NA	<0.91	NA
BASB023	04-Apr-01	(14.5-15.0)	<1	<1	<5	NA	<1	NA
BASB023	04-Apr-01	(20.5-21.0)	24 YH	<1.1	150	NA	<1.1	NA
BASB024	04-Apr-01	(1.5-2.0)	3.9 YH	<1.1	39	NA	<1.1	NA
BASB024	04-Apr-01	(3.5-4.0)	<1	<1.1	5.2 Y	NA	<1.1	NA
BASB024	04-Apr-01	(9.5-10.0)	<1	<0.93	9.1 Y	NA	<0.93	NA
BASB024	04-Apr-01	(14.5-15.0)	<1	<1.1	<5	NA	<1.1	NA
BASB024	04-Apr-01	(21.5-22.0)	3.8 YH	<1	27 H	NA	<1	NA
BASB025	04-Apr-01	(3.5-4.0)	1.4 YH	<1	10 Y	NA	<1	NA
DUP	04-Apr-01	(4.5-5.0)	<0.99	<0.93	<5	NA	<0.93	NA
BASB025	04-Apr-01	(9.5-10.0)	<1	<1	<5	NA	<1	NA
BASB025	04-Apr-01	(14.5-15.0)	<1	<0.92	<5	NA	<0.92	NA
BASB025	04-Apr-01	(24.5-25.0)	<1	<1	<5	NA	<1	NA
BASB086	04-Apr-01	(1.5-2.0)	2.5 YH	<0.92	33 H	NA	<0.92	NA
BASB086	04-Apr-01	(3.5-4.0)	<1	<0.93	5.2 Y	NA	<0.93	NA
BASB086	04-Apr-01	(9.5-10.0)	<1	<0.97	8.2 H	NA	<0.97	NA
BASB086	04-Apr-01	(15.5-16.0)	1.1 YH	<1	14 H	NA	<1	NA
BASB086	04-Apr-01	(19.5-20.0)	<0.99	<1	<5	NA	<1	NA
BASB087	04-Apr-01	(3.5-4.0)	9.3 YH	<0.94	45	NA	<0.94	NA
DUP	04-Apr-01	(4.5-5.0)	1.4 YH	<0.96	6.7 Y	NA	<0.96	NA
BASB087	04-Apr-01	(9.5-10.0)	<1	<1.1	<5	NA	<1.1	NA
BASB087	04-Apr-01	(14.5-15.0)	<1	<1	<5	NA	<1	NA
BASB087	04-Apr-01	(24.5-25.0)	<1	<1	<5	NA	<1	NA
Area 6								
BASB001	02-Apr-01	(2.5-3.0)	16 YH	<1	56 Y	NA	<1	NA
BASB001	02-Apr-01	(4.5-5.0)	4.6 YH	<1.1	27 Y	NA	<1.1	NA
BASB001	02-Apr-01	(9.5-10.0)	<0.99	<1	<5	NA	<1	NA
BASB001	02-Apr-01	(14.5-15.0)	<1	<0.93	<5	NA	<0.93	NA
BASB001	02-Apr-01	(22.5-23.0)	19 YH	<1.1	140 Y	NA	<1.1	NA
BASB002	31-Mar-01	(2.5-3.0)	150 YH	<0.98	1000 Y	NA	<0.98	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 6								
BASB005	31-Mar-01	(2.5-3.0)	<1	<0.91	5.3 Y	NA	<0.91	NA
BASB011	05-Apr-01	(2.5-3.0)	4.3 YH	<1.1	39 Y	NA	<1.1	NA
BASB017	05-Apr-01	(2.5-3.0)	3.7 YH	<1	11 Y	NA	<1	NA
BASB021	29-Mar-01	(0.5-1.0)	2.8 YH	<1	20 Y	<1	NA	NA
BASB021	29-Mar-01	(4.5-5.0)	20 YZ	<0.92	6.1 Y	<0.92	NA	NA
BASB021	29-Mar-01	(9.5-10.0)	4.9 YZ	<1.1	<5	<1.1	NA	NA
BASB021	29-Mar-01	(14.5-15.0)	48 YZ	<1	6.5 Y	<1	NA	NA
BASB021	29-Mar-01	(24.5-25.0)	2.6 YZ	<0.91	<5	<0.91	NA	NA
BASB051	02-Apr-01	(2.5-3.0)	<1	<1	6.4 Y	NA	<1	NA
BASB051	02-Apr-01	(9.5-10.0)	<0.99	<1.1	<5	NA	<1.1	NA
BASB051	02-Apr-01	(14.5-15.0)	<0.99	<0.98	<5	NA	<0.98	NA
BASB051	02-Apr-01	(22.5-23.0)	<1	<0.95	<5	NA	<0.95	NA
BASB081	05-Apr-01	(2.5-3.0)	<1	<0.95	10 Y	NA	<0.95	NA
BASB081	05-Apr-01	(4.5-5.0)	<1	<0.94	5.4 Y	NA	<0.94	NA
BASB081	05-Apr-01	(9.5-10.0)	<0.99	<1.1	<5	NA	<1.1	NA
BASB081	05-Apr-01	(14.5-15.0)	<0.99	<1	<5	NA	<1	NA
BASB081	05-Apr-01	(25.5-26.0)	<1	<0.92	<5	NA	<0.92	NA
Area 7								
BASB018	05-Apr-01	(2.5-3.0)	<1	<0.98	6.1 Y	NA	<0.98	NA
BASB018	05-Apr-01	(5.5-6.0)	1.2 YH	<1.1	7.2 Y	NA	<1.1	NA
BASB018	05-Apr-01	(11.5-12.0)	27 YH	<0.98	130	NA	<0.98	NA
BASB018	05-Apr-01	(14.5-15.0)	<0.99	<1.1	<5	NA	<1.1	NA
BASB018	05-Apr-01	(19.5-20.0)	<0.99	<1.1	<5	NA	<1.1	NA
BASB019	05-Apr-01	(2.0-2.5)	92 YH	<1.1	330	NA	<1.1	NA
BASB019	05-Apr-01	(4.5-5.0)	1.2 YH	<0.94	<5	NA	<0.94	NA
BASB019	05-Apr-01	(9.5-10.0)	<1	<0.99	<5	NA	<0.99	NA
BASB019	05-Apr-01	(14.5-15.0)	<0.99	<0.98	<5	NA	<0.98	NA
BASB019	05-Apr-01	(24.5-25.0)	<1	<1.1	<5	NA	<1.1	NA
BASB052	02-Apr-01	(1.5-2.0)	1.9 YH	<0.91	16 Y	NA	<0.91	NA
BASB052	02-Apr-01	(3.5-4.0)	39 YH	<0.97	290 Y	NA	<0.97	NA
BASB052	02-Apr-01	(9.5-10.0)	<1	<0.98	<5	NA	<0.98	NA
BASB052	02-Apr-01	(14.5-15.0)	<0.99	<0.93	<5	NA	<0.93	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 7								
BASB052	02-Apr-01	(22.5-23.0)	2.4 YH	<0.92	30 Y	NA	<0.92	NA
BASB052	02-Apr-01	(24.5-25.0)	71 HY	<1	480	NA	<1	NA
BASB053	03-Apr-01	(1.5-2.0)	29 YH	<1.1	460 YH	NA	<1.1	NA
BASB053	03-Apr-01	(4.5-5.0)	1.7 YH	<1	25	NA	<1	NA
BASB053	03-Apr-01	(10.5-11.0)	<0.99	<0.97	<5	NA	<0.97	NA
BASB053	03-Apr-01	(14.5-15.0)	<1	<1	<5	NA	<1	NA
BASB053	03-Apr-01	(19.5-20.0)	<0.99	<0.91	<5	NA	<0.91	NA
BASB054	03-Apr-01	(1.5-2.0)	39 YH	<0.96	290	NA	<0.96	NA
BASB054	03-Apr-01	(4.5-5.0)	<0.99	<0.97	7.5 Y	NA	<0.97	NA
BASB054	03-Apr-01	(9.5-10.0)	<0.99	<0.97	<5	NA	<0.97	NA
BASB054	03-Apr-01	(14.5-15.0)	<1	<1.1	<5	NA	<1.1	NA
BASB054	03-Apr-01	(21.5-22.0)	24 YH	<0.93	170	NA	<0.93	NA
BASB055	29-Mar-01	(8.0-8.5)	36 YZ	<0.95	13 Y	<0.95	NA	NA
BASB055	29-Mar-01	(9.5-10.0)	3.4 YHZ	<0.94	20 YH	<0.94	NA	NA
BASB055	29-Mar-01	(14.5-15.0)	32 YZ	<0.93	<5	<0.93	NA	NA
BASB055	29-Mar-01	(20.0-20.5)	37 YZ	<1	6.7 Y	<1	NA	NA
BASB055	29-Mar-01	(24.5-25.0)	3 YZ	<1	<5	<1	NA	NA
BASB056	30-Mar-01	(3.5-4.0)	38 YH	<0.97	120 Y	NA	<0.97	NA
BASB056	30-Mar-01	(5.5-6.0)	6.7 YZH	<1.1	15 Y	NA	<1.1	NA
BASB056	30-Mar-01	(9.5-10.0)	<1	<1	<5	NA	<1	NA
BASB056	30-Mar-01	(14.5-15.0)	<1	<1	<5	NA	<1	NA
BASB056	30-Mar-01	(19.5-20.0)	<1	<0.96	<5	NA	<0.96	NA
BASB056	30-Mar-01	(24.5-25.0)	<1	<0.99	<5	NA	<0.99	NA
BASB057	28-Mar-01	(3.5-4.0)	13 YZ	<0.93	74 Y	<0.93	NA	NA
BASB057	28-Mar-01	(5.5-6.0)	17 YZ	<1.1	<5	<1.1	NA	NA
BASB057	28-Mar-01	(9.5-10.0)	14 YZ	<0.93	<5	<0.93	NA	NA
BASB057	28-Mar-01	(14.5-15.0)	44 YZ	<0.96	<5	<0.96	NA	NA
BASB057	28-Mar-01	(24.5-25.0)	1.5 YZ	<0.95	<5	<0.95	NA	NA
BASB058	21-Mar-01	(3.5-4.0)	45 YH	<0.97	310 Y	<0.97	NA	NA
DUP	21-Mar-01	(5.0-5.5)	23 YZ	<1	<25	<1	NA	NA
BASB058	21-Mar-01	(9.5-10.0)	12 YZ	<0.91	<25	<0.91	NA	NA
BASB058	21-Mar-01	(14.5-15.0)	12 YZ	<0.93	<25	<0.93	NA	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 7								
BASB058	21-Mar-01	(24.5-25.0)	25 YZ	<0.99	<25	<0.99	NA	NA
BASB080	03-Apr-01	(1.5-2.0)	1.4 YH	<0.96	9.8 Y	NA	<0.96	NA
BASB080	03-Apr-01	(4.5-5.0)	2.5 YH	<0.91	17	NA	<0.91	NA
BASB080	03-Apr-01	(9.5-10.0)	<1	<1	<5	NA	<1	NA
BASB080	03-Apr-01	(14.5-15.0)	<0.99	<1	<5	NA	<1	NA
BASB080	03-Apr-01	(23.5-24.0)	<1	<0.99	<5	NA	<0.99	NA
Area 8								
BASB050	20-Mar-01	(2.0-2.5)	6.2 YZ	<0.93	<5	<0.93	NA	NA
BASB050	20-Mar-01	(4.5-5.0)	28 YZ	<1.1	<25	<1.1	NA	NA
BASB050	20-Mar-01	(9.5-10.0)	1.2 YZ	<0.91	<5	<0.91	NA	NA
BASB050	20-Mar-01	(14.5-15.0)	14 YZ	<1.1	<9.9	<1.1	NA	NA
BASB050	20-Mar-01	(24.5-25.0)	28 YZ	<0.95	<25	<0.95	NA	NA
BASB060	05-Apr-01	(0.0-0.5)	3.2 YH	<1.1	21 Y	NA	<1.1	NA
BASB061	05-Apr-01	(0.0-0.5)	14 YH	<0.98	120	NA	<0.98	NA
BASB062	05-Apr-01	(0.0-0.5)	5.4 YH	<1	67	NA	<1	NA
BASB063	05-Apr-01	(0.0-0.5)	6.3 YH	<1	54	NA	<1	NA
BASB065	22-Mar-01	(0.0-0.5)	8.2 YH	<0.93	24 Y	<0.93	NA	NA
Area 9								
BASB088	09-Jul-01	(3.0-3.5)	1.7 Y	<0.96	<5	NA	NA	NA
DUP	09-Jul-01	(3.0-3.5)	<1	<1.1	<5	NA	NA	NA
BASB088	09-Jul-01	(4.5-5.0)	1.9 Y	<0.93	<5	NA	NA	NA
BASB088	09-Jul-01	(9.5-10.0)	<1	<1.1	<5	NA	NA	NA
BASB088	09-Jul-01	(14.5-15.0)	3.2 YH	<1.1	18	NA	NA	NA
BASB088	09-Jul-01	(25.0-25.5)	<1	<1	<5	NA	NA	NA
BASB089	09-Jul-01	(3.0-3.5)	1.7 Y	<1	5 Y	NA	NA	NA
BASB089	09-Jul-01	(4.5-5.0)	<1	<0.95	<5	NA	NA	NA
BASB089	09-Jul-01	(9.5-10.0)	1.8 Y	<0.99	<5	NA	NA	NA
BASB089	09-Jul-01	(14.5-15.0)	2.6 Y	<0.94	<5	NA	NA	NA
BASB089	09-Jul-01	(27.0-27.5)	3.3 Y	<1	<5	NA	NA	NA
BASB090	09-Jul-01	(2.0-2.5)	46 YH	<1	360	NA	NA	NA
DUP	09-Jul-01	(2.0-2.5)	38 YH	<1	310	NA	NA	NA
BASB090	09-Jul-01	(4.5-5.0)	3.4 YH	<0.95	17	NA	NA	NA

Table 6
Total Petroleum Hydrocarbons Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 9								
BASB090	09-Jul-01	(9.5-10.0)	1.2 Y	<1.1	<5	NA	NA	NA
BASB090	09-Jul-01	(14.5-15.0)	2.6 Y	<1	<5	NA	NA	NA
BASB090	09-Jul-01	(25.0-25.5)	2.8 YH	<1	29	NA	NA	NA

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

bgs = below ground surface
b = Continuing calibration verification percent difference was slightly above acceptance limits in batch.
DUP = Duplicate sample
H = Heavier hydrocarbons contributed to the quantitation.
J = Reported value is estimated.
L = Lighter hydrocarbons contributed to the quantitation.
NA = Not analyzed
Y = Sample exhibits fuel pattern which does not resemble standard.
Z = Sample exhibits unknown single peak or peaks.
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
TPHmo = total petroleum hydrocarbons as motor oil
TPHms = total petroleum hydrocarbons as mineral spirits
TPHpt = total petroleum hydrocarbons as paint thinner
TPHss = total petroleum hydrocarbons as stoddard solvent
Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for all compounds using EPA test method 8015 modified.

Table 7
Volatile Organic Compounds Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Acetone	Methylene chloride
Area 1				
BASB036	22-Mar-01	(3.5-4.0)	<0.019	<0.019
DUP	22-Mar-01	(5.0-5.5)	<0.019	<0.019
BASB036	22-Mar-01	(9.5-10.0)	<0.02	<0.02
BASB036	22-Mar-01	(14.5-15.0)	<0.02	<0.02
BASB036	22-Mar-01	(24.5-25.0)	<0.019	<0.019
BASB037	22-Mar-01	(4.5-5.0)	0.025	<0.02
BASB037	22-Mar-01	(9.5-10.0)	<0.02	<0.02
BASB037	22-Mar-01	(14.5-15.0)	<0.019	<0.019
BASB037	22-Mar-01	(24.5-25.0)	<0.019	<0.019
BASB029	23-Mar-01	(3.5-4.0)	<0.019	<0.019
DUP	23-Mar-01	(4.5-5.0)	<0.019	<0.019
BASB029	23-Mar-01	(9.5-10.0)	<0.02	<0.02
BASB029	23-Mar-01	(14.5-15.0)	<0.02	<0.02
BASB029	23-Mar-01	(19.5-20.0)	<0.019	<0.019
BASB029	23-Mar-01	(24.5-25.0)	<0.02	<0.02
BASB030	23-Mar-01	(4.5-5.0)	<0.02	<0.02
BASB030	23-Mar-01	(9.5-10.0)	<0.02	<0.02
BASB030	23-Mar-01	(14.5-15.0)	<0.021	<0.021
BASB030	23-Mar-01	(19.5-20.0)	<0.019	<0.019
BASB030	23-Mar-01	(24.5-25.0)	<0.02	<0.02
BASB070	03-Apr-01	(22.5-23.0)	<0.021	<0.021
BASB070	03-Apr-01	(24.5-25.0)	<0.02	<0.02
BASB071	03-Apr-01	(19.5-20.0)	<0.019	<0.019
BASB071	03-Apr-01	(22.5-23.0)	<0.019	<0.019
BASB071	03-Apr-01	(24.5-25.0)	<0.02	<0.02
BASB082	05-Apr-01	(1.5-2.0)	<0.02	<0.02
BASB082	05-Apr-01	(4.5-5.0)	<0.021	<0.021
BASB082	05-Apr-01	(11.5-12.0)	<0.019	0.034
BASB082	05-Apr-01	(14.5-15.0)	<0.02	<0.02
BASB082	05-Apr-01	(19.5-20.0)	<0.019	0.034
Area 2				
BASB008	21-Mar-01	(3.5-4.0)	<0.02	<0.02
DUP	21-Mar-01	(4.5-5.0)	<0.019	<0.019
BASB008	21-Mar-01	(9.5-10.0)	<0.019	<0.019
BASB008	21-Mar-01	(14.5-15.0)	<0.019	<0.019
BASB008	21-Mar-01	(24.5-25.0)	<0.019	<0.019

Table 7
Volatile Organic Compounds Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Acetone	Methylene chloride
Area 2				
BASB006	31-Mar-01	(1.5-2.0)	<0.02	<0.02
BASB006	31-Mar-01	(5.5-6.0)	<0.02	<0.02
BASB006	31-Mar-01	(9.5-10.0)	<0.02	<0.02
BASB006	31-Mar-01	(14.5-15.0)	<0.019	<0.019
BASB006	31-Mar-01	(26.5-27.0)	<0.02	<0.02
BASB007	31-Mar-01	(1.5-2.0)	<0.02	<0.02
BASB007	31-Mar-01	(4.5-5.0)	<0.019	<0.019
BASB007	31-Mar-01	(9.5-10.0)	<0.019	<0.019
BASB007	31-Mar-01	(14.5-15.0)	<0.019	<0.019
BASB007	31-Mar-01	(25.5-26.0)	<0.02	<0.02
Area 4				
DUP	19-Mar-01	(4.0-4.5)	<0.02	<0.02
BASB012	19-Mar-01	(9.5-10.0)	<0.02	<0.02
BASB012	19-Mar-01	(14.5-15.0)	<0.02	<0.02
BASB012	19-Mar-01	(24.0-24.5)	<0.02	<0.02
BASB013	20-Mar-01	(2.5-3.0)	<0.021	<0.021
BASB013	20-Mar-01	(4.5-5.0)	<0.019	<0.019
BASB013	20-Mar-01	(9.5-10.0)	<0.02	<0.02
BASB013	20-Mar-01	(14.5-15.0)	<0.019	<0.019
BASB016	04-Apr-01	(2.0-2.5)	<0.02	<0.02
BASB016	04-Apr-01	(5.5-6.0)	<0.019	<0.019
BASB016	04-Apr-01	(9.5-10.0)	<0.019	<0.019
BASB016	04-Apr-01	(14.5-15.0)	<0.022	<0.022
BASB016	04-Apr-01	(24.5-25.0)	<0.019	<0.019
Area 5				
BASB022	04-Apr-01	(1.5-2.0)	<0.019	<0.019
BASB022	04-Apr-01	(4.5-5.0)	<0.019	<0.019
BASB022	04-Apr-01	(9.5-10.0)	<0.02	<0.02
BASB022	04-Apr-01	(14.5-15.0)	<0.019	<0.019
BASB022	04-Apr-01	(20.5-21.0)	<0.019	<0.019
Area 6				
BASB081	05-Apr-01	(2.5-3.0)	<0.02	<0.02
BASB081	05-Apr-01	(4.5-5.0)	<0.019	<0.019
BASB081	05-Apr-01	(9.5-10.0)	<0.021	<0.021
BASB081	05-Apr-01	(14.5-15.0)	<0.02	<0.02
BASB081	05-Apr-01	(25.5-26.0)	<0.021	<0.021

Table 7
Volatile Organic Compounds Detected in Soil
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Acetone	Methylene chloride
Area 7				
BASB058	21-Mar-01	(3.5-4.0)	<0.019	<0.019
DUP	21-Mar-01	(5.0-5.5)	<0.02	<0.02
BASB058	21-Mar-01	(9.5-10.0)	<0.019	<0.019
BASB058	21-Mar-01	(14.5-15.0)	<0.02	<0.02
BASB058	21-Mar-01	(24.5-25.0)	<0.02	<0.02
Area 8				
BASB050	20-Mar-01	(2.0-2.5)	<0.02	<0.02
BASB050	20-Mar-01	(4.5-5.0)	<0.02	<0.02
BASB050	20-Mar-01	(9.5-10.0)	<0.019	<0.019
BASB050	20-Mar-01	(14.5-15.0)	<0.02	<0.02
BASB050	20-Mar-01	(24.5-25.0)	<0.019	<0.019
Area 9				
BASB088	09-Jul-01	(3.0-3.5)	<0.02	0.025
DUP	09-Jul-01	(3.0-3.5)	<0.019	0.028
BASB088	09-Jul-01	(4.5-5.0)	<0.02	<0.02
BASB088	09-Jul-01	(9.5-10.0)	<0.02	<0.02
BASB088	09-Jul-01	(14.5-15.0)	<0.019	<0.019
BASB088	09-Jul-01	(25.0-25.5)	<0.02	<0.02
BASB089	09-Jul-01	(3.0-3.5)	<0.019	0.02
BASB089	09-Jul-01	(4.5-5.0)	<0.019	<0.019
BASB089	09-Jul-01	(9.5-10.0)	<0.02	<0.02
BASB089	09-Jul-01	(14.5-15.0)	<0.021	<0.021
BASB089	09-Jul-01	(27.0-27.5)	<0.019	0.02
BASB090	09-Jul-01	(2.0-2.5)	<0.02	<0.02
DUP	09-Jul-01	(2.0-2.5)	<0.02	0.025
BASB090	09-Jul-01	(4.5-5.0)	<0.02	<0.02
BASB090	09-Jul-01	(9.5-10.0)	<0.019	<0.019
BASB090	09-Jul-01	(14.5-15.0)	<0.019	<0.019
BASB090	09-Jul-01	(25.0-25.5)	<0.021	0.06

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

bgs = Below ground surface

DUP = Duplicate sample

VOCs= Volatile organic compounds

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for VOCs using EPA test method 8260B.

Table 8
Semivolatile Organic Compounds Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	B(a)A	B(a)P	B(b)F	B(g,h,i)P	CHR	D(a,h)A	DEHP	I(1,2,3-cd)P	Phenol	PYR
Area 1												
BASB082	05-Apr-01	(1.50-2.00)	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
BASB082	05-Apr-01	(4.50-5.00)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.34	<0.05	<0.34	<0.05
BASB082	05-Apr-01	(11.50-12.00)	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.34	<0.051	<0.34	<0.051
BASB082	05-Apr-01	(14.50-15.00)	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
BASB082	05-Apr-01	(19.50-20.00)	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.34	<0.051	<0.34	<0.051
Area 6												
BASB002	31-Mar-01	(2.50-3.00)	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.87	<0.33	0.82	<0.33
BASB005	31-Mar-01	(2.50-3.00)	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
BASB011	05-Apr-01	(2.50-3.00)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.33	<0.05	<0.33	<0.05
BASB017	05-Apr-01	(2.50-3.00)	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<3.3	<0.49	<3.3	<0.49
BASB051	02-Apr-01	(9.50-10.00)	<0.049 J	<0.049 J	<0.049 J	<0.049 J	<0.049 J	<0.049 J	<0.33 J	<0.049 J	<0.33 J	<0.049 J
RE	02-Apr-01	(9.50-10.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J
BASB051	02-Apr-01	(22.50-23.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J
RE	02-Apr-01	(22.50-23.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.34 J	<0.05 J	<0.34 J	<0.05 J
BASB081	05-Apr-01	(25.50-26.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J
RE	05-Apr-01	(25.50-26.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J
Area 7												
BASB019	05-Apr-01	(4.50-5.00)	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.34	<0.051	<0.34	<0.051
BASB052	02-Apr-01	(3.50-4.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J
RE	02-Apr-01	(3.50-4.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J
BASB052	02-Apr-01	(24.50-25.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J

Table 8
Semivolatile Organic Compounds Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	B(a)A	B(a)P	B(b)F	B(g,h,i)P	CHR	D(a,h)A	DEHP	I(1,2,3-cd)P	Phenol	PYR
Area 7												
RE	02-Apr-01	(24.50-25.00)	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.05 J	<0.33 J	<0.05 J	<0.33 J	<0.05 J

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

DUP = Duplicate sample

J = Reported value is estimated.

bgs = Below ground surface

RE = Samples were re-extracted and reanalyzed because QC did not meet laboratory criteria.

SVOCs= Semivolatile organic compounds

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for SVOCs using EPA method 8270C.

B(a)A = Benzo(a)anthracene

B(a)P = Benzo(a)pyrene

B(b)F = Benzo(b)fluoranthene

B(g,h,i)P = Benzo(g,h,i)perylene

CHR = Chrysene

D(a,h)A = Dibenzo(a,h)anthracene

DEHP = Bis(2-Ethylhexyl) phthalate

I(1,2,3-cd)P = Indeno(1,2,3-c,d)pyrene

PYR = Pyrene

Table 9
Polynuclear Aromatic Hydrocarbons Detected in Soil
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	B(a)A	B(a)P	B(b)F	B(g,h,i)P	CHR	D(a,h)A	I(1,2,3-cd)P	PYR
Area 1										
BASB082	05-Apr-01	(1.5-2.0)	<0.0033	0.0081	<0.0068	<0.0068	0.0047	0.011	<0.0033	0.0091
BASB082	05-Apr-01	(4.5-5.0)	<0.0033	<0.0033	<0.0067	<0.0067	<0.0033	<0.0067	<0.0033	<0.0067
BASB082	05-Apr-01	(11.5-12.0)	<0.0033	<0.0033	<0.0068	<0.0068	<0.0033	<0.0068	<0.0033	<0.0068
BASB082	05-Apr-01	(14.5-15.0)	<0.0033	<0.0033	<0.0068	<0.0068	<0.0033	<0.0068	<0.0033	<0.0068
BASB082	05-Apr-01	(19.5-20.0)	<0.0034	<0.0034	<0.0069	<0.0069	<0.0034	<0.0069	<0.0034	<0.0069
Area 6										
BASB002	31-Mar-01	(2.5-3.0)	<0.013	<0.013	<0.027	<0.027	0.062	<0.027	<0.013	<0.027
BASB005	31-Mar-01	(2.5-3.0)	<0.0033	<0.0033	<0.0067	<0.0067	<0.0033	<0.0067	<0.0033	<0.0067
BASB011	05-Apr-01	(2.5-3.0)	0.0036 J	0.0079 J	0.0067 J	0.0071 J	0.0064 J	0.016 J	0.0059 J	0.0097
BASB017	05-Apr-01	(2.5-3.0)	<0.0033	<0.0033	<0.0068	<0.0068	<0.0033	<0.0068	<0.0033	<0.0068
Area 7										
BASB019	05-Apr-01	(4.5-5.0)	<0.0034	<0.0034	<0.0068	<0.0068	<0.0034	<0.0068	<0.0034	<0.0068

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

bgs = Below ground surface
DUP = Duplicate sample
J = Reported value is estimated.
PAH = Polyaromatic hydrocarbons
Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for PAHs using EPA test method 8310.

B(a)A = Benzo(a)anthracene
B(a)P = Benzo(a)pyrene
B(b)F = Benzo(b)fluoranthene
B(g,h,i)P = Benzo(g,h,i)perylene
CHR = Chrysene
D(a,h)A = Dibenzo(a,h)anthracene
I(1,2,3-cd)P = Indeno(1,2,3-c,d)pyrene
PYR = Pyrene

Table 10
Organochlorine Pesticides Detected in Soil
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	4,4'-DDT	alpha-Chlordane	gamma-Chlordane
Area 8					
BASB061	05-Apr-01	(0.0-0.5)	0.012	0.012	0.0075
BASB065	22-Mar-01	(0.0-0.5)	<0.06	<0.03	<0.03

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

bgs = below ground surface

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for organochlorine pesticides using EPA test method 8081A.

4,4'-DDT = Dichlorodiphenyltrichloroethane

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 1																		
BASB026	28-Mar-01	(3.5-4.0)	<0.24	3	130	0.36	1.7	7.9	28	18	0.097	<0.97	46	22	0.44	<0.24	26	46
BASB026	28-Mar-01	(6.5-7.0)	<0.24	3.5	110	0.45	1.5	7.6	31	19	0.031	<0.95	45	6	<0.24	<0.24	26	37
BASB026	28-Mar-01	(9.5-10.0)	<0.24	2.7	110	0.48	1.5	7.2	33	17	0.05	<0.94	45	6.1	<0.24	<0.24	24	36
BASB026	28-Mar-01	(14.5-15.0)	<0.25	2.5	130	0.51	1.8	8.5	39	21	0.076	<0.99	59	5.9	<0.25	<0.25	25	45
BASB026	28-Mar-01	(24.5-25.0)	<0.24	3.8	130	0.44	1.7	8	38	19	0.046	<0.98	57	6.1	<0.24	0.39	28	37
BASB027	27-Mar-01	(3.5-4.0)	<0.24	5.4	290	0.33	2	6.9	28	29	0.05	<0.96	41	74	0.29	<0.24	26	140
BASB027	27-Mar-01	(6.0-6.5)	<0.24	2	43	0.18	0.85	3.8	16	6.2	0.024	<0.96	24	2.4	<0.24	<0.24	13	17
BASB027	27-Mar-01	(9.5-10.0)	<0.24	3.2	130	0.44	1.5	7.1	29	16	0.059	<0.95	45	6.3	<0.24	<0.24	24	35
BASB027	27-Mar-01	(14.5-15.0)	<0.23	3.4	170	0.54	2.2	9.2	42	24	1.1	<0.93	62	7.1	<0.23	<0.23	29	51
BASB027	27-Mar-01	(24.5-25.0)	<0.24	2.8	110	0.35	1.5	8.7	33	16	0.044	<0.97	58	5.2	0.34	0.39	22	34
BASB028	27-Mar-01	(0.5-1.0)	<0.24	7.8	170	0.35	1.8	7.1	29	25	0.16	<0.96	43	83	0.26	0.27	23	120
BASB028	27-Mar-01	(3.5-4.0)	<0.23	3.2	130	0.38	1.8	9.3	30	16	0.047	<0.94	54	5.4	<0.23	0.43	25	38
BASB028	27-Mar-01	(6.5-7.0)	<0.24	3.6	170	0.48	2	9	35	22	0.1	<0.95	53	6.7	<0.24	<0.24	31	43
BASB028	27-Mar-01	(9.5-10.0)	<0.23	2.9	130	0.43	1.6	6	29	16	0.025	<0.91	44	5.9	<0.23	<0.23	24	35
BASB028	27-Mar-01	(14.5-15.0)	<0.25	3.1	150	0.49	1.9	8.7	35	22	0.19	<1	54	6.3	<0.25	<0.25	25	44
BASB028	27-Mar-01	(24.5-25.0)	<0.23	2.6	110	0.32	1.5	8.1	29	17	0.047	<0.91	53	5.4	<0.23	0.5	21	31
BASB029	23-Mar-01	(3.5-4.0)	<0.23	4.3	120	0.57	2	10	38	20 J	0.046	<0.93	60	6.8	<0.23	0.53	37	49
DUP	23-Mar-01	(4.5-5.0)	<0.23	3.4	100	0.43	1.3	7.9	29	12 J	0.028	<0.91	50	4.6	<0.23	0.75	26	32
BASB029	23-Mar-01	(9.5-10.0)	<0.23	2.6	110	0.54	1.5	5.6	32	16 J	0.043	<0.9	44	5.6	<0.23	<0.23	28	40
BASB029	23-Mar-01	(14.5-15.0)	<0.23	3.1	140	0.66	2	9.7	42	23 J	0.13	<0.94	61	7	<0.23	0.55	35	55
BASB029	23-Mar-01	(19.5-20.0)	<0.24	4.8	150	0.61	2	7.8	42	21 J	0.073	<0.96	58	5.9	<0.24	<0.24	37	54
BASB029	23-Mar-01	(24.5-25.0)	<0.25	3	96	0.43	1.4	5.9	34	15 J	0.29	<0.99	46	4.4	<0.25	<0.25	28	37
BASB030	23-Mar-01	(4.5-5.0)	<0.24	3.6	120	0.35	2	6.8	29	15 J	0.033	<0.97	46	4.5	<0.24	<0.24	29	38

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 1																		
BASB030	23-Mar-01	(9.5-10.0)	<0.24	4.9	110	0.63	1.9	9.3	38	19 J	0.06	<0.96	57	7.1	<0.24	0.3	37	46
BASB030	23-Mar-01	(14.5-15.0)	<0.23	3.1	110	0.65	2.1	10	43	22 J	0.088	<0.93	62	7.3	<0.23	0.42	36	55
BASB030	23-Mar-01	(19.5-20.0)	<0.24	4.6	150	0.67	2.1	7.5	44	25 J	0.063	<0.95	61	8.1	<0.24	<0.24	38	59
BASB030	23-Mar-01	(24.5-25.0)	<0.24	4.6	100	0.47	1.7	11	34	18 J	0.049	<0.95	61	6.7	<0.24	0.69	31	38
BASB031	26-Mar-01	(3.5-4.0)	<0.24	3.2	130	0.48	1.9	8.9	33	19	0.045	<0.97	57	8.5	0.38	0.38	28	45
BASB031	26-Mar-01	(6.5-7.0)	<0.24	2.6	150	0.46	1.5	9	31	17	0.056	<0.95	46	6.7	<0.24	0.36	24	35
BASB031	26-Mar-01	(9.5-10.0)	<0.23	2.3	160	0.51	1.7	7.5	35	18	0.038	<0.93	54	8.1	<0.23	<0.23	27	40
BASB031	26-Mar-01	(14.5-15.0)	<0.23	2.6	170	0.56	2	9.8	39	22	0.084	<0.93	62	7.9	<0.23	<0.23	26	50
BASB031	26-Mar-01	(22.5-23.0)	<0.25	2.3	120	0.37	1.6	6.9	35	18	0.047	<0.98	53	4.7	<0.25	<0.25	24	38
BASB031	26-Mar-01	(24.5-25.0)	<0.24	2.8	110	0.29	1.4	9.4	26	15	0.045	<0.97	54	5.3	<0.24	<0.24	19	30
BASB032	26-Mar-01	(3.5-4.0)	<0.25	2.9	110	0.36	1.5	8.1	28	15	0.021	<0.99	46	7.5	0.54	<0.25	24	38
DUP	26-Mar-01	(4.5-5.0)	<0.25	1.8	71	0.22	1.1	6.6	19	9.3	0.022	<0.98	36	3.3	<0.25	<0.25	16	24
BASB032	26-Mar-01	(9.0-9.5)	<0.24	3	170	0.49	1.7	9	33	18	0.069	<0.97	54	8.2	<0.24	<0.24	26	39
BASB032	26-Mar-01	(14.5-15.0)	<0.25	1.8	140	0.49	1.7	7.8	34	19	0.15	<0.99	53	6.6	<0.25	<0.25	22	46
BASB032	26-Mar-01	(24.5-25.0)	<0.24	2.8	120	0.33	1.6	8.3	28	16	0.069	<0.97	58	5.4	<0.24	1.1	22	33
BASB033	26-Mar-01	(3.5-4.0)	<0.25	6	340	0.33	2.7	7.4	30	41	0.049	<0.98	44	160	0.42	<0.25	25	430
BASB033	26-Mar-01	(6.0-6.5)	<0.24	2	63	0.23	1	5	19	8.6	0.024	<0.97	30	3.4	<0.24	<0.24	17	24
BASB033	26-Mar-01	(9.5-10.0)	<0.24	3.1	120	0.46	1.6	5.7	31	16	0.067	<0.96	41	5.6	<0.24	<0.24	25	36
BASB033	26-Mar-01	(14.5-15.0)	<0.24	3	130	0.44	1.7	7.9	31	18	0.16	<0.96	51	6.1	<0.24	<0.24	24	41
BASB033	26-Mar-01	(24.5-25.0)	<0.24	3	120	0.38	1.8	8.9	38	18	0.055	<0.96	61	5.7	0.26	0.31	26	39
BASB034	27-Mar-01	(3.5-4.0)	<0.25	5.7	130	0.35	2	8.1	29	22	0.04	<0.98	46	24	0.5	<0.25	25	85
BASB034	27-Mar-01	(6.25-6.75)	<0.23	2.1	53	0.2	1	5.2	17	8.7	0.055	<0.92	29	3.1	<0.23	<0.23	15	22
BASB034	27-Mar-01	(9.5-10.0)	<0.24	2.9	110	0.41	1.4	6.6	26	16	0.067	<0.96	38	6.6	<0.24	<0.24	22	32

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 1																		
BASB034	27-Mar-01	(14.5-15.0)	<0.24	2.3	130	0.45	1.7	8.3	31	19	0.22	<0.98	51	7	<0.24	<0.24	22	42
BASB034	27-Mar-01	(24.5-25.0)	<0.24	3	97	0.32	1.5	5	29	16	0.072	<0.94	42	5.9	<0.24	<0.24	23	32
BASB036	22-Mar-01	(3.5-4.0)	<0.21	0.68	48	0.38	3.1	7.9	2.1	14	0.18	<0.83	19 J	4.9	0.45	0.28	27	64 J
DUP	22-Mar-01	(5.0-5.5)	<0.2	4.2	150	0.47	2.1	9.3	38	19	0.041	<0.81	52 J	5.9	<0.2	<0.2	31	44 J
BASB036	22-Mar-01	(9.5-10.0)	<0.24	3.5	100	0.5	1.9	8.4	35	17	0.046	<0.94	53 J	6.2	<0.24	<0.24	25	41 J
BASB036	22-Mar-01	(14.5-15.0)	<0.23	3.5	130	0.49	2.2	8.8	42	20	0.06	<0.93	57 J	6.6	<0.23	<0.23	29	47 J
BASB036	22-Mar-01	(24.5-25.0)	<0.19	3.5	120	0.42	1.7	7.2	38	18	0.055	<0.75	50 J	5.2	<0.19	<0.19	25	39 J
BASB037	22-Mar-01	(4.5-5.0)	<0.25	2.6	130	0.45	1.6	6.2	35	22	0.069	<0.99	47 J	14	<0.25	<0.25	27	52 J
BASB037	22-Mar-01	(9.5-10.0)	<0.22	3.1	170	0.49	1.9	8.6	35	17	0.054	<0.88	60 J	6.1	0.22	<0.22	24	41 J
BASB037	22-Mar-01	(14.5-15.0)	<0.23	4.8	160	0.59	2.6	8.5	50	23	0.067	<0.93	69 J	6.8	<0.23	<0.23	35	56 J
BASB037	22-Mar-01	(24.5-25.0)	<0.23	2.3	100	0.36	1.6	5.4	36	15	0.12	<0.93	49 J	3.6	<0.23	<0.23	22	38 J
BASB070	03-Apr-01	(3.0-3.5)	<0.21	4.1	140	0.44	1.9	8.6	33	20	0.057	<0.84	51	27	<0.21	<0.21	29	70 J
BASB070	03-Apr-01	(6.0-6.5)	<0.2	1.5	72	0.22	0.82	4.2	17	8.1	0.063	<0.81	29	3	<0.2	<0.2	14	21
BASB070	03-Apr-01	(9.5-10.0)	<0.2	2.5	140	0.44	1.3	8.5	25	14	0.043	<0.81	50	5.4	<0.2	0.34	19	32
BASB070	03-Apr-01	(14.5-15.0)	<0.22	2.5	130	0.49	1.6	7.8	30	17	0.058	<0.87	53	5.7	<0.22	0.45	19	41
BASB070	03-Apr-01	(22.5-23.0)	<0.2	3	120	0.44	1.7	9.9	41	19	0.06	<0.81	60	5.4	<0.2	0.21	25	42
BASB070	03-Apr-01	(24.5-25.0)	<0.22	2.4	100	0.34	1.3	7.8	26	14	0.044	<0.87	47	4.8	0.34	0.39	19	31
BASB071	03-Apr-01	(1.5-2.0)	<0.21	4.1	170	0.35	2	6.9	26	35	0.23	<0.82	38	130	0.49	<0.21	21	240
BASB071	03-Apr-01	(6.5-7.0)	<0.23	3.6	140	0.52	1.6	8.1	32	17	0.039	<0.91	42	6.5	<0.23	<0.23	28	38
BASB071	03-Apr-01	(9.5-10.0)	<0.23	3.5	160	0.53	1.6	9.2	33	17	0.058	<0.91	56	6.6	<0.23	0.33	23	37 J
BASB071	03-Apr-01	(14.5-15.0)	<0.22	2.8	150	0.56	1.8	8	37	20	0.064	<0.89	58	6.3	<0.22	<0.22	24	48 J
BASB071	03-Apr-01	(18.5-19.0)	<0.22	5.1	180	0.53	2.2	9.9	40	21	0.069	<0.87	64	6.2	<0.22	<0.22	34	48 J
BASB071	03-Apr-01	(19.5-20.0)	<0.22	2.2	150	0.46	1.7	11	37	20	0.054	<0.9	53	5.9	<0.22	<0.22	24	47

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 1																		
BASB071	03-Apr-01	(22.5-23.0)	<0.2	2.9	140	0.43	1.6	8	37	19	0.049	<0.82	54	5.9	<0.2	<0.2	27	37 J
BASB071	03-Apr-01	(24.5-25.0)	<0.23	3.4	120	0.4	1.5	8.2	34	17	0.048	<0.92	54	5.9	<0.23	<0.23	25	35 J
BASB072	05-Apr-01	(2.0-2.5)	<0.24	4.7	170	0.4	1.9	7.5	30	23	0.13	<0.94	44	44	<0.24	<0.24	28	110
BASB072	05-Apr-01	(5.5-6.0)	<0.2	2.6	77	0.31	1.2	5.1	24	11	0.035	<0.81	35	3.8	<0.2	<0.2	19	25
BASB072	05-Apr-01	(9.5-10.0)	<0.23	2.9	110	0.41	1.3	5.7	26	11	0.046	<0.91	40	4.4	<0.23	<0.23	21	27
BASB072	05-Apr-01	(14.5-15.0)	<0.23	2.5	130	0.48	1.6	7.6	32	17	0.069	<0.93	48	5.3	<0.23	<0.23	22	40
BASB072	05-Apr-01	(24.5-25.0)	<0.25	3.4	110	0.36	1.5	9.7	28	16	0.057	<0.99	58	5.4	<0.25	0.6	22	30
BASB073	02-Apr-01	(2.5-3.0)	<0.23	3.3	140	0.34	1.8	7.5	26	28	0.066	<0.91	42	16	<0.23	<0.23	26	60
BASB073	02-Apr-01	(4.5-5.0)	<0.22	2.9	110	0.34	1.5	5.9	27	14	0.15	<0.87	46	4.4	<0.22	<0.22	22	33
BASB073	02-Apr-01	(9.5-10.0)	<0.22	2	94	0.31	0.93	4.6	17	9.3	0.051	<0.87	34	3.9	<0.22	0.24	11	24
BASB073	02-Apr-01	(14.5-15.0)	<0.21	1.7	86	0.31	0.97	5.1	18	11	0.052	<0.84	33	3.9	<0.21	<0.21	11	26
BASB073	02-Apr-01	(19.5-20.0)	<0.22	1.4	100	0.3	1.1	6.5	21	12	0.05	<0.88	37	4.5	<0.22	<0.22	12	32
BASB073	02-Apr-01	(24.5-25.0)	<0.22	3.3	99	0.31	1.4	8	26	15	0.052	<0.89	50	5.6	<0.22	<0.22	19	31
BASB074	02-Apr-01	(2.5-3.0)	<0.22	4	120	0.39	1.9	7.4	30	17	0.036	<0.9	53	5.8	<0.22	<0.22	27	41
BASB074	02-Apr-01	(9.5-10.0)	<0.23	1.8	98	0.32	0.99	3.9	19	10	0.057	<0.92	29	4	<0.23	<0.23	12	24
BASB074	02-Apr-01	(14.5-15.0)	<0.24	2.2	110	0.37	1.3	5.9	24	13	0.076	<0.95	41	4.6	<0.24	<0.24	14	36
BASB074	02-Apr-01	(24.5-25.0)	<0.22	2.8	96	0.29	1.4	8.1	26	13	0.054	<0.88	48	8.1	<0.22	<0.22	19	28
BASB075	02-Apr-01	(6.5-7.0)	<0.22	3.2	140	0.42	1.5	6.6	26	16	0.023	<0.88	42	5.4	0.3	0.61	20	33
BASB075	02-Apr-01	(9.5-10.0)	<0.23	3.3	160	0.44	1.6	8	28	15	0.061	<0.93	60	7.1	<0.23	0.84	19	33
BASB075	02-Apr-01	(14.5-15.0)	<0.2	2	91	0.33	1.1	5.4	21	12	0.064	<0.82	37	4.1	<0.2	<0.2	12	29
BASB075	02-Apr-01	(24.5-25.0)	<0.23	1.6	88	0.24	1	4.1	22	9.8	0.051	<0.92	31	3.4	<0.23	<0.23	12	25
BASB076	30-Mar-01	(3.5-4.0)	<0.21	6.5	130	0.46	1.9	9.5	31	19	0.047	<0.82	47	12	0.51	0.28	37	49 J
BASB076	30-Mar-01	(6.5-7.0)	<0.22	3.9	150	0.52	1.7	10	34	17	0.025	<0.89	51	5.6	0.53	0.52	31	38 J

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 1																		
BASB076	30-Mar-01	(9.5-10.0)	<0.22	3.6	140	0.53	1.7	8	35	17	0.06	<0.87	51	5.7	<0.22	0.25	27	39 J
BASB076	30-Mar-01	(14.5-15.0)	<0.22	4.6	150	0.63	2.2	10	45	23	0.04	<0.86	67	7.4	0.28	<0.22	33	53 J
BASB076	30-Mar-01	(19.5-20.0)	<0.23	7.6	210	0.61	2.5	12	45	25	0.055	<0.9	65	7.2	0.37	0.77	40	57 J
BASB076	30-Mar-01	(24.5-25.0)	<0.23	4.4	120	0.44	1.8	9.9	38	19	0.054	<0.93	58	6	0.32	0.29	31	38 J
BASB077	30-Mar-01	(3.5-4.0)	<0.22	2.9	130	0.31	1.5	5.7	23	18	0.087	<0.86	32	30	0.22	<0.22	24	55 J
DUP	30-Mar-01	(4.5-5.0)	<0.24	3.7	110	0.47	1.6	5.6	33	15	0.036	<0.94	44	5	0.33	<0.24	30	34 J
BASB077	30-Mar-01	(9.5-10.0)	<0.23	4.8	92	0.56	1.8	8.4	39	19	0.069	<0.91	53	6	<0.23	<0.23	33	41 J
BASB077	30-Mar-01	(14.5-15.0)	<0.2	2.7	140	0.51	1.8	8.8	35	19	0.027	<0.82	50	6	<0.2	<0.2	25	43 J
BASB077	30-Mar-01	(19.5-20.0)	<0.22	5.4	150	0.49	2	13	39	20	0.044	<0.86	60	6.8	<0.22	0.82	32	44 J
BASB077	30-Mar-01	(24.5-25.0)	<0.22	4.5	150	0.43	1.6	11	36	16	0.067	<0.89	55	5.6	0.44	0.51	29	34 J
BASB078	05-Apr-01	(3.5-4.0)	<0.21	3.9	120	0.42	1.8	9.6	29	18	0.073	<0.83	46	20	0.26	0.92	26	50
BASB078	05-Apr-01	(6.5-7.0)	<0.22	5.7	190	0.62	2.6	14	46	24	0.034	<0.87	70	7.2	<0.22	0.46	42	51
BASB078	05-Apr-01	(9.5-10.0)	<0.23	2.2	120	0.42	1.3	4.6	26	13	0.059	<0.93	35	4.6	<0.23	<0.23	17	30
BASB078	05-Apr-01	(14.5-15.0)	<0.23	2.4	91	0.36	1.1	5.6	24	12	0.046	<0.91	37	4.4	0.34	0.46	15	29
BASB078	05-Apr-01	(24.5-25.0)	<0.22	3.6	100	0.36	1.5	9.6	30	16	0.051	<0.89	51	5.9	<0.22	0.53	22	32
BASB082	05-Apr-01	(1.5-2.0)	<0.23	4.1	86	0.31	1.3	5.7	21	12	0.12	<0.93	32	9.6	0.41	<0.23	20	36
BASB082	05-Apr-01	(4.5-5.0)	<0.22	1.9	54	0.22	0.82	3.5	15	7.5	0.024	<0.88	24	2.5	<0.22	<0.22	14	19
BASB082	05-Apr-01	(11.5-12.0)	<0.21	2.6	110	0.39	1.2	7.5	25	13	0.063	<0.85	41	4.6	<0.21	<0.21	18	31
BASB082	05-Apr-01	(14.5-15.0)	<0.24	3.4	130	0.47	1.6	7.5	33	18	0.086	<0.97	49	5.3	<0.24	<0.24	22	40
BASB082	05-Apr-01	(19.5-20.0)	<0.22	3.2	120	0.39	1.4	6	27	16	0.053	<0.87	41	5	<0.22	<0.22	21	35
Area 2																		
BASB006	31-Mar-01	(1.5-2.0)	<0.23	2.6	98	0.34	1.6	6.4	15	14	0.056	<0.9	29	4.2	<0.23	0.49	17	34 J
BASB006	31-Mar-01	(5.5-6.0)	<0.22	3.4	150	0.52	1.7	7.1	34	18	0.029	<0.9	47	5.8	<0.22	<0.22	26	40 J

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 2																		
BASB006	31-Mar-01	(9.5-10.0)	<0.23	4	160	0.5	1.7	7.7	34	17	0.13	<0.93	52	5.6	<0.23	<0.23	26	38 J
BASB006	31-Mar-01	(14.5-15.0)	<0.22	3.3	140	0.51	1.8	8.3	37	20	0.068	<0.87	56	5.9	<0.22	<0.22	25	45 J
BASB006	31-Mar-01	(26.5-27.0)	<0.22	2.6	190	0.34	1.4	7.5	29	14	0.053	<0.88	48	4.3	0.32	0.93	21	32 J
BASB007	31-Mar-01	(1.5-2.0)	<0.2	5.6	130	0.39	1.7	7.5	30	15	0.031	<0.82	45	6.7	<0.2	<0.2	27	35 J
BASB007	31-Mar-01	(4.5-5.0)	<0.23	3.2	160	0.56	1.6	7.5	34	18	0.023	<0.92	47	6.2	<0.23	<0.23	25	41 J
BASB007	31-Mar-01	(9.5-10.0)	<0.24	3.3	170	0.51	1.7	8.4	35	19	0.072	<0.95	54	5.9	<0.24	<0.24	26	41 J
BASB007	31-Mar-01	(14.5-15.0)	<0.23	3	140	0.49	1.7	6.9	36	19	0.076	<0.91	49	5.7	<0.23	<0.23	22	43 J
BASB007	31-Mar-01	(25.5-26.0)	<0.22	3.3	120	0.37	1.6	7.9	34	17	0.066	<0.89	51	5	<0.22	<0.22	23	36 J
BASB008	21-Mar-01	(3.5-4.0)	<0.23	4.5	200	0.41	2.1	9.3	36	23	0.065	<0.93	53 J	26	0.25	<0.23	30	76 J
DUP	21-Mar-01	(4.5-5.0)	<0.24	3.2	90	0.34	1.2	7.6	24	12	<0.02	<0.95	46 J	4.1	0.44	0.49	22	28 J
BASB008	21-Mar-01	(9.5-10.0)	<0.24	3.3	140	0.58	1.7	8.8	39	19	0.067	<0.97	57 J	6.9	<0.24	<0.24	29	40 J
BASB008	21-Mar-01	(14.5-15.0)	<0.23	2.8	150	0.56	1.8	8.3	41	21	0.063	<0.92	60 J	6.5	<0.23	0.42	26	50 J
BASB008	21-Mar-01	(24.5-25.0)	<0.22	2.5	120	0.36	1.5	6.5	35	17	0.049	<0.88	48 J	4.9	<0.22	<0.22	21	35 J
Area 3																		
BASB040	03-Apr-01	(3.5-4.0)	<0.23	2.6	79	0.31	1.1	6.1	18	10	0.037	<0.91	35	3.9	<0.23	<0.23	18	25
DUP	03-Apr-01	(4.5-5.0)	<0.21	2.4	68	0.26	1.1	5.5	20	9.7	0.059	<0.84	37	3.1	<0.21	<0.21	16	23
BASB040	03-Apr-01	(9.5-10.0)	<0.22	2.5	110	0.39	1.3	6.9	24	14	0.072	<0.88	45	5	<0.22	0.47	17	31
BASB040	03-Apr-01	(14.5-15.0)	<0.23	3.3	150	0.48	1.8	7.7	32	18	0.046	<0.92	53	5.6	<0.23	0.49	25	43
BASB040	03-Apr-01	(19.5-20.0)	<0.22	2.6	120	0.39	1.6	5.5	32	17	0.062	<0.89	41	4.8	<0.22	<0.22	20	39
BASB040	03-Apr-01	(24.5-25.0)	<0.23	3.3	120	0.38	1.5	6.7	32	16	0.062	<0.92	46	4.6	<0.23	<0.23	24	34
BASB041	28-Mar-01	(3.5-4.0)	0.8	2.7	120	0.4	1.4	5.4	25	13	0.035	<0.97	32	28	<0.24	<0.24	24	36
DUP	28-Mar-01	(4.5-5.0)	<0.24	2.8	65	0.4	2.1	5.2	31	21	0.056	<0.97	36	49	<0.24	<0.24	26	50
BASB041	28-Mar-01	(9.5-10.0)	<0.24	2.5	110	0.49	1.4	6.9	31	15	0.06	<0.97	46	5.6	<0.24	<0.24	24	36

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 3																		
BASB041	28-Mar-01	(14.5-15.0)	<0.24	4.4	130	0.54	1.7	7.5	37	18	0.061	<0.96	53	6.4	<0.24	<0.24	30	43
BASB041	28-Mar-01	(24.5-25.0)	<0.25	3.6	130	0.44	1.4	8	36	17	0.044	<0.99	52	6.3	<0.25	<0.25	27	34
Area 4																		
BASB012	19-Mar-01	(3.5-4.0)	<0.19	1.1	69	0.26	2.7	5.9	5.1	12	0.054	<0.75	20	17	<0.19	0.55	29	93
BASB012	19-Mar-01	(9.5-10.0)	<0.24	3.4	100	0.46	1.9	8.6	37	20	0.054	<0.98	59	6.2	<0.24	0.34	24	43
BASB012	19-Mar-01	(14.5-15.0)	<0.2	3	94	0.37	1.8	6.9	31	17	0.063	<0.79	47	5.3	<0.2	<0.2	24	39
BASB012	19-Mar-01	(24.0-24.5)	<0.22	3.3	160	0.37	1.9	9.1	37	21	0.056	<0.88	67	6	<0.22	0.73	23	42
BASB013	20-Mar-01	(2.5-3.0)	<0.22	1.3	55	0.15	2.2	20	160	35	0.041	<0.87	94	1.9	<0.22	<0.22	20	21
BASB013	20-Mar-01	(4.5-5.0)	<0.21	4.4	190	0.47	2.4	9.7	35	19	<0.02	<0.85	58	5.7	<0.21	0.29	29	42
BASB013	20-Mar-01	(9.5-10.0)	<0.23	3.2	130	0.45	2.1	8.7	31	18	0.052	<0.93	56	5.9	<0.23	0.35	21	43
BASB013	20-Mar-01	(14.5-15.0)	<0.21	2.7	150	0.4	2.1	6	29	17	0.069	<0.84	46	4.8	<0.21	<0.21	21	41
BASB016	04-Apr-01	(2.0-2.5)	<0.22	2.6	100	0.21	1.4	5.4	19	32	0.14	<0.86	29	60	0.39	<0.22	17	81
BASB016	04-Apr-01	(5.5-6.0)	<0.23	2.7	120	0.38	1.5	6.8	30	15	0.069	<0.91	47	4.8	<0.23	0.31	25	34
BASB016	04-Apr-01	(9.5-10.0)	<0.22	2.7	110	0.35	1.3	5.6	25	12	0.036	<0.86	37	4.4	<0.22	<0.22	21	27
BASB016	04-Apr-01	(14.5-15.0)	<0.21	2.8	120	0.41	1.7	6.9	33	17	0.079	<0.84	47	5.2	<0.21	<0.21	24	38
BASB016	04-Apr-01	(24.5-25.0)	<0.22	2.8	99	0.3	1.5	8	30	16	0.075	<0.87	53	5	<0.22	0.3	21	31
Area 5																		
BASB022	04-Apr-01	(1.5-2.0)	<0.23	5.4	140	0.46	2.2	10	33	25	0.072	<0.93	54	31	<0.23	<0.23	31	64
BASB022	04-Apr-01	(4.5-5.0)	<0.18	7.6	130	0.27	1.6	6	22	21	0.061	2.1	32	63	<0.18	0.47	23	100
BASB022	04-Apr-01	(9.5-10.0)	<0.23	3.9	88	0.26	1.7	5.4	16	24	0.08	1.6	26	23	<0.23	<0.23	21	84
BASB022	04-Apr-01	(14.5-15.0)	<0.23	4.1	150	0.53	2.3	8.9	41	23	0.058	<0.93	62	6.4	<0.23	<0.23	31	50
BASB022	04-Apr-01	(20.5-21.0)	<0.19	4.3	120	0.38	1.6	7.2	28	17	0.076	<0.75	45	6.9	<0.19	<0.19	25	39
BASB023	04-Apr-01	(1.5-2.0)	0.52	33	220	0.21	2.3	6.3	11	25	0.25	1.6	17	130	0.55	1.9	16	400

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 5																		
BASB023	04-Apr-01	(4.5-5.0)	<0.24	2.1	63	0.26	0.91	4.5	16	8	0.033	<0.97	27	3.6	<0.24	<0.24	16	23
BASB023	04-Apr-01	(10.5-11.0)	<0.23	4.5	140	0.56	2	9.5	37	18	0.048	<0.92	55	6.5	<0.23	<0.23	32	40
BASB023	04-Apr-01	(14.5-15.0)	<0.24	3.5	100	0.5	2	9.1	35	20	0.067	<0.97	60	6.2	<0.24	<0.24	26	44
BASB023	04-Apr-01	(20.5-21.0)	<0.24	4.8	190	0.41	2	8	38	24	0.078	4.8	49	33	<0.24	0.25	28	120
BASB024	04-Apr-01	(1.5-2.0)	<0.23	3	130	0.36	1.5	6.7	25	17	0.06	<0.9	40	17	<0.23	<0.23	23	47
BASB024	04-Apr-01	(3.5-4.0)	<0.21	4.1	140	0.48	1.9	8.1	33	18	0.039	<0.83	50	6.4	<0.21	<0.21	30	41
BASB024	04-Apr-01	(9.5-10.0)	<0.21	3.5	120	0.53	2	8.8	35	20	0.062	<0.85	57	6.3	<0.21	<0.21	25	47
BASB024	04-Apr-01	(14.5-15.0)	<0.23	4.1	160	0.5	2	11	31	21	0.05	<0.9	60	6.4	<0.23	0.45	25	42
BASB024	04-Apr-01	(21.5-22.0)	<0.21	2.9	110	0.39	1.4	6.5	31	15	0.06	1.4	38	6.1	<0.21	<0.21	22	92
BASB025	04-Apr-01	(3.5-4.0)	<0.23	3.9	120	0.33	1.7	6.4	25	16	0.041	<0.94	35	18	0.48	<0.23	25	110
DUP	04-Apr-01	(4.5-5.0)	<0.21	3.3	150	0.45	1.7	6.6	32	20	0.023	<0.86	42	6	<0.21	0.32	29	41
BASB025	04-Apr-01	(9.5-10.0)	<0.25	3.5	110	0.44	1.7	8	30	17	0.046	<0.98	48	5.7	<0.25	<0.25	24	40
BASB025	04-Apr-01	(14.5-15.0)	<0.25	2.6	130	0.4	1.5	6.5	28	17	0.045	<0.99	43	5	<0.25	<0.25	21	37
BASB025	04-Apr-01	(24.5-25.0)	<0.22	2.5	250	0.32	1.5	7.6	29	16	0.063	<0.87	49	4.9	0.39	1.3	21	31
BASB086	04-Apr-01	(1.5-2.0)	<0.23	0.87	50	0.41	3	10	3.2	15	0.11	<0.91	18	3.4	<0.23	0.61	61	71
BASB086	04-Apr-01	(3.5-4.0)	<0.21	4.2	85	0.28	1.3	8	20	10	0.033	<0.83	37	4.6	0.39	1.5	20	27
BASB086	04-Apr-01	(9.5-10.0)	<0.23	3.5	100	0.38	1.5	6.8	28	13	0.071	<0.92	41	4.8	<0.23	0.34	25	31
BASB086	04-Apr-01	(15.5-16.0)	<0.23	3.7	120	0.45	1.7	7.8	33	18	0.062	<0.9	52	5.7	<0.23	<0.23	25	42
BASB086	04-Apr-01	(19.5-20.0)	<0.25	3.3	160	0.42	1.9	8.5	34	20	0.06	<0.99	55	5.8	<0.25	0.71	23	43
BASB087	04-Apr-01	(3.5-4.0)	<0.24	3.3	110	0.39	2.8	6.8	5.8	21	0.13	<0.96	18	14	0.62	0.51	26	92
DUP	04-Apr-01	(4.5-5.0)	<0.22	2	130	0.44	1.7	6.2	38	20	0.031	<0.89	46	5.3	<0.22	<0.22	30	43
BASB087	04-Apr-01	(9.5-10.0)	<0.21	2.8	97	0.37	1.5	7.4	27	16	0.063	<0.85	47	4.8	<0.21	<0.21	21	34
BASB087	04-Apr-01	(14.5-15.0)	<0.24	4.2	130	0.4	1.7	8.8	31	17	0.051	<0.94	48	5.8	<0.24	<0.24	25	36

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 5																		
BASB087	04-Apr-01	(24.5-25.0)	<0.22	1.9	130	0.21	1.2	5.6	20	11	0.12	<0.9	31	3.4	<0.22	0.49	23	27
Area 6																		
BASB001	02-Apr-01	(2.5-3.0)	<0.23	3.5	95	0.31	1.3	6.4	23	15	0.062	<0.9	40	8.4	<0.23	<0.23	20	39
BASB001	02-Apr-01	(4.5-5.0)	<0.23	7.7	220	0.51	2.5	18	40	21	0.047	<0.93	70	6.3	<0.23	2.3	36	51
BASB001	02-Apr-01	(9.5-10.0)	<0.23	4	160	0.4	2.2	8	33	20	0.078	<0.93	51	5.6	0.57	<0.23	26	40
BASB001	02-Apr-01	(14.5-15.0)	<0.22	3.7	140	0.48	1.8	8.7	31	19	0.068	<0.9	57	6.5	<0.22	<0.22	25	44
BASB001	02-Apr-01	(22.5-23.0)	<0.23	3.2	120	0.39	1.5	6.5	28	14	0.047	<0.91	44	7.2	<0.23	<0.23	22	35
BASB002	31-Mar-01	(2.5-3.0)	<0.23	4.3	110	0.23	2.3	7.9	24	20	0.047	<0.9	39	24	<0.23	<0.23	25	48 J
BASB005	31-Mar-01	(2.5-3.0)	<0.23	4	170	0.52	1.6	7.8	31	19	0.027	<0.91	48	5.7	<0.23	0.27	25	37 J
BASB011	05-Apr-01	(2.5-3.0)	<0.23	1.7	49	0.14	0.88	3.7	11	7	0.026	<0.92	19	4.3	0.44	<0.23	14	25
BASB017	05-Apr-01	(2.5-3.0)	<0.22	3.4	100	0.37	1.5	6.6	28	15	0.026	<0.88	39	5.7	0.24	0.29	28	37
BASB021	29-Mar-01	(0.5-1.0)	<0.23	18	120	0.41	2.1	7.3	25	31	0.1	<0.93	29	19	<0.23	0.81	43	93
BASB021	29-Mar-01	(4.5-5.0)	<0.2	1.7	88	0.4	1.1	6.1	22	16	0.033	<0.79	37	4.7	<0.2	0.33	20	31
BASB021	29-Mar-01	(9.5-10.0)	<0.24	4.4	130	0.6	1.9	10	38	23	0.07	<0.97	57	7.4	<0.24	0.53	35	49
BASB021	29-Mar-01	(14.5-15.0)	<0.23	3.6	140	0.51	1.6	8.5	33	18	0.056	<0.91	51	6	<0.23	0.54	27	39
BASB021	29-Mar-01	(24.5-25.0)	<0.23	2.8	110	0.4	1.4	6.7	29	15	0.055	<0.91	47	4.8	<0.23	0.5	24	31
BASB051	02-Apr-01	(2.5-3.0)	<0.23	2.3	100	0.36	1.3	6.2	23	14	0.033	<0.9	42	4.7	<0.23	<0.23	16	33
BASB051	02-Apr-01	(9.5-10.0)	<0.21	2.6	95	0.32	1.3	6	22	14	0.061	<0.85	36	4.8	<0.21	<0.21	20	33
BASB051	02-Apr-01	(14.5-15.0)	<0.23	3	120	0.37	1.6	7.1	27	18	0.07	<0.93	46	5.5	<0.23	<0.23	24	40
BASB051	02-Apr-01	(22.5-23.0)	<0.22	2.8	83	0.26	1.1	5.2	17	11	0.092	<0.89	30	4.3	<0.22	<0.22	16	51
BASB081	05-Apr-01	(2.5-3.0)	<0.22	3.6	130	0.36	1.6	8.1	31	19	0.044	<0.87	45	10	0.29	0.39	29	47
BASB081	05-Apr-01	(4.5-5.0)	<0.22	2.9	98	0.29	1.2	5.2	24	13	0.05	<0.9	35	4.1	0.25	<0.22	22	30
BASB081	05-Apr-01	(9.5-10.0)	<0.23	2.7	120	0.38	1.2	6.1	25	13	0.056	<0.92	36	4.7	<0.23	<0.23	18	28

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 7																		
DUP	21-Mar-01	(5.0-5.5)	<0.25	3.6	160	0.52	1.7	9.2	35	18	0.022	<0.99	47 J	6	<0.25	<0.25	30	40 J
BASB058	21-Mar-01	(9.5-10.0)	<0.21	2.7	120	0.47	1.5	4.5	32	15	0.052	<0.85	38 J	4.3	<0.21	<0.21	19	34 J
BASB058	21-Mar-01	(14.5-15.0)	<0.23	2.1	130	0.41	1.5	6.7	28	14	0.043	<0.93	41 J	4.9	<0.23	<0.23	20	34 J
BASB058	21-Mar-01	(24.5-25.0)	<0.21	2.4	120	0.37	1.6	6.7	34	16	0.067	<0.85	51 J	5	<0.21	<0.21	21	38 J
BASB080	03-Apr-01	(1.5-2.0)	<0.25	3.6	140	0.47	1.8	8.5	35	19	0.098	<1	49	8.6	<0.25	<0.25	31	45
BASB080	03-Apr-01	(4.5-5.0)	<0.21	3.5	130	0.43	1.7	7.7	32	16	0.16	<0.86	46	4.9	<0.21	<0.21	29	38
BASB080	03-Apr-01	(9.5-10.0)	<0.21	4.6	160	0.6	2.2	9.9	45	23	0.067	<0.82	61	6.5	<0.21	<0.21	33	50
BASB080	03-Apr-01	(14.5-15.0)	<0.22	3.8	130	0.49	1.8	7.7	36	18	0.091	<0.88	56	5.6	<0.22	0.38	27	42
BASB080	03-Apr-01	(23.5-24.0)	<0.25	0.58	36	0.12	0.38	1.8	9.3	4.3	0.063	<0.99	16	1.3	<0.25	<0.25	4.8	11
Area 8																		
BASB050	20-Mar-01	(2.0-2.5)	<0.22	4.5	160	0.45	1.8	7.3	30	23	0.028	<0.88	45	38	<0.22	0.46	28	77
BASB050	20-Mar-01	(4.5-5.0)	<0.23	4.3	170	0.56	1.8	12	35	19	0.032	<0.92	50	6.6	<0.23	0.7	29	41
BASB050	20-Mar-01	(9.5-10.0)	<0.24	2.6	120	0.46	1.6	7.6	31	18	0.21	<0.96	49	5.6	<0.24	0.46	20	41
BASB050	20-Mar-01	(14.5-15.0)	<0.2	4.5	100	0.33	1.6	7.8	34	14	0.058	<0.82	44	3.6	<0.2	0.78	24	29
BASB050	20-Mar-01	(24.5-25.0)	<0.22	1.5	90	0.32	1.3	4.1	31	13	0.068	<0.86	40	3.7	<0.22	<0.22	17	32
BASB060	05-Apr-01	(0.0-0.5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36	NA	NA	NA	NA
BASB061	05-Apr-01	(0.0-0.5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	130	NA	NA	NA	NA
BASB062	05-Apr-01	(0.0-0.5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18	NA	NA	NA	NA
BASB063	05-Apr-01	(0.0-0.5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110	NA	NA	NA	NA
BASB065	22-Mar-01	(0.0-0.5)	<0.23	7.5	150	0.42	1.9	8.1	32	25	0.1	<0.92	48 J	31	0.37	<0.23	29	82 J
Area 9																		
BASB088	09-Jul-01	(3.0-3.5)	<0.25	3	120	0.37	1.5	7.5	30	17	0.047	<1	46	4.9	<0.25	<0.25	26	35
DUP	09-Jul-01	(3.0-3.5)	<0.25	3.4	92	0.32	1.6	6.5	26	13	0.36	<1	41	4.8	0.45	<0.25	25	33

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn
Area 9																		
BASB088	09-Jul-01	(4.5-5.0)	<0.25	3.4	170	0.48	1.7	10	34	20	0.042	<0.98	53	6.3	<0.25	<0.25	28	39
BASB088	09-Jul-01	(9.5-10.0)	<0.25	2.7	150	0.47	1.7	7.8	38	21	0.067	<1	53	6	<0.25	<0.25	25	42
BASB088	09-Jul-01	(14.5-15.0)	<0.24	2.6	140	0.39	1.7	7.9	36	21	0.071	<0.95	49	7.1	<0.24	<0.24	24	44
BASB088	09-Jul-01	(25.0-25.5)	<0.24	2.9	110	0.33	1.5	9.3	28	18	0.074	<0.95	51	6.5	<0.24	<0.24	21	34
BASB089	09-Jul-01	(3.0-3.5)	<0.25	2.3	110	0.35	1.2	6	26	15	0.051	<0.99	37	4.9	<0.25	<0.25	20	33
BASB089	09-Jul-01	(4.5-5.0)	<0.24	3	160	0.51	1.5	7.4	34	18	0.044	<0.95	46	6.3	<0.24	<0.24	25	40
BASB089	09-Jul-01	(9.5-10.0)	<0.24	3.5	160	0.49	1.9	9	39	22	0.058	<0.95	60	6.1	<0.24	<0.24	28	46
BASB089	09-Jul-01	(14.5-15.0)	<0.25	2	130	0.4	1.6	7	32	18	0.079	<1	49	4.7	<0.25	<0.25	22	38
BASB089	09-Jul-01	(27.0-27.5)	<0.24	4.5	130	0.44	1.9	8	41	25	0.06	<0.95	56	7.3	<0.24	<0.24	28	47
BASB090	09-Jul-01	(2.0-2.5)	<0.25	7.6	94	0.18	2.5	6.7	24	52	0.05	<0.98	44	66	0.39	<0.25	25	83
DUP	09-Jul-01	(2.0-2.5)	<0.25	5.9	100	0.23	2.5	7.8	29	34	0.049	<1	49	43	0.82	<0.25	26	71
BASB090	09-Jul-01	(4.5-5.0)	<0.24	2.9	170	0.49	1.7	7.4	35	21	0.13	<0.96	48	6.4	<0.24	<0.24	27	44
BASB090	09-Jul-01	(9.5-10.0)	<0.24	3	150	0.49	1.9	9.1	38	23	0.096	<0.98	64	6.3	<0.24	<0.24	28	46
BASB090	09-Jul-01	(14.5-15.0)	<0.25	2.1	120	0.33	1.4	6.1	27	15	0.14	<1	40	4.1	<0.25	<0.25	23	34
BASB090	09-Jul-01	(25.0-25.5)	<0.25	3.3	150	0.42	1.8	6.9	45	21	0.065	<1	54	5.9	<0.25	<0.25	28	44

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

J = Reported value is estimated.

bgs = below ground surface

DUP = Duplicate sample

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for mercury using EPA test method 7470 and EPA test method 7470A and all other metals were analyzed by EPA test method 6010B.

Ag = Silver As = Arsenic Ba = Barium Be = Berrylium Cd = Cadmium Co = Cobalt Cr = Chromium Cu = Copper

Table 11
Title 22 Metals Detected in Soil
Batarse Site, Oakland, California
Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Tl	V	Zn

Hg = Mercury Mo = Molybdenum Ni = Nickel Pb = Lead Se = Selenium Tl = Thallium V = Vanadium Zn = Zinc

Table 12
Total Petroleum Hydrocarbons Detected in Groundwater
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 1							
BASB026	28-Mar-01	130 Y	<50	<300	<50	NA	NA
DUP	28-Mar-01	140 Y	<50	<300	<50	NA	NA
BASB027	27-Mar-01	<50	<50	<300	<50	NA	NA
BASB028	27-Mar-01	<50	<50	<300	<50	NA	NA
BASB029	23-Mar-01	<50	<50	<300	<50	NA	NA
BASB030	23-Mar-01	<50	<50	<300	<50	NA	NA
BASB031	26-Mar-01	800 YL	610 YH	<300	920 YLb	NA	320
BASB032	26-Mar-01	61 Y	<50	<300	<50	NA	NA
BASB033	26-Mar-01	<50	<50	<300	<50	NA	NA
BASB034	27-Mar-01	<50	<50	<300	<50	NA	NA
BASB036	22-Mar-01	73 Y	<50	<300	<50	NA	NA
BASB037	22-Mar-01	100 Y	<50	<300	<50	NA	NA
BASB070	03-Apr-01	<50	<50	<300	NA	<50	NA
BASB071	03-Apr-01	150 YL	320 Y	<300	NA	240	NA
BASB072	05-Apr-01	80 Y	<50	<300	NA	<50	NA
BASB073	02-Apr-01	73 Y	<50	<300	NA	<50	NA
BASB074	02-Apr-01	<50	<50	<300	NA	<50	NA
BASB075	02-Apr-01	<50	<50	<300	NA	<50	NA
BASB076	30-Mar-01	530 Y	<50	530	<50	NA	NA
BASB077	30-Mar-01	52 Y	<50	<300	<50	NA	NA
BASB078	05-Apr-01	<50	<50	<300	NA	<50	NA
BASB082	05-Apr-01	<50	<50	<300	NA	<50	NA
Area 2							
BASB006	31-Mar-01	<50	<50	<300	<50	NA	NA
BASB007	31-Mar-01	70 Y	<50	<300	<50	NA	NA
BASB008	21-Mar-01	150 YZ	<50	<300	<50	NA	NA
Area 3							
BADW001	23-Mar-01	<50	<50	<300	<50	NA	NA
BASB040	03-Apr-01	<50	<50	<300	NA	<50	NA
BASB041	28-Mar-01	120 Y	<50	<300	<50	NA	NA
Area 4							
BASB012	19-Mar-01	61 Y	<50	<300	<50	NA	NA
BASB016	04-Apr-01	71 Y	<50	<300	NA	<50	NA
DUP	04-Apr-01	61 Y	<50	<300	NA	<50	NA

Table 12
Total Petroleum Hydrocarbons Detected in Groundwater
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss
Area 5							
BASB022	04-Apr-01	110 Y	<50	<300	NA	<50	NA
BASB023	04-Apr-01	310 YH	<50	1100	NA	<50	NA
BASB024	04-Apr-01	<50	<50	<300	NA	<50	NA
BASB025	04-Apr-01	<50	<50	<300	NA	<50	NA
BASB086	04-Apr-01	<50	<50	<300	NA	<50	NA
BASB087	04-Apr-01	<50	<50	<300	NA	<50	NA
Area 6							
BASB001	02-Apr-01	360 YH	<50	1200 Y	NA	<50	NA
BASB021	29-Mar-01	66 Y	<50	<300	<50	NA	NA
BASB051	02-Apr-01	20000 Y	19000	<3000	NA	14000 Y	NA
BASB081	05-Apr-01	210000 Y	7700	<15000	NA	5800 Y	NA
DUP	05-Apr-01	90000 Y	7200	<7500	NA	5400 Y	NA
Area 7							
BASB018	05-Apr-01	160 YH	<50	<300	NA	<50	NA
BASB019	05-Apr-01	<50	<50	<300	NA	<50	NA
DUP	05-Apr-01	<50	<50	<300	NA	<50	NA
BASB052	02-Apr-01	100 YH	<50	360 YH	NA	<50	NA
BASB053	03-Apr-01	<50	<50	<300	NA	<50	NA
BASB054	03-Apr-01	<50	<50	<300	NA	<50	NA
BASB055	29-Mar-01	51 Y	<50	<300	<50	NA	NA
BASB056	30-Mar-01	<50	<50	<300	<50	NA	NA
BASB057	28-Mar-01	<50	<50	<300	<50	NA	NA
BASB058	21-Mar-01	57 Y	<50	<300	<50	NA	NA
BASB080	03-Apr-01	<50	<50	<300	NA	<50	NA
Area 8							
BASB050	20-Mar-01	65 Y	<50	<300	<50	NA	NA
Area 9							
BASB088	09-Jul-01	<50	<50	<300	NA	NA	NA
DUP	09-Jul-01	NA	<50	NA	NA	NA	NA
BASB089	09-Jul-01	<50	<50	<300	NA	NA	NA
BASB090	09-Jul-01	<50	<50	<300	NA	NA	NA

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

b = Continuing calibration verification percent difference was slightly above acceptance limits in batch.

DUP = Duplicate sample

Table 12
Total Petroleum Hydrocarbons Detected in Groundwater
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	TPHd	TPHg	TPHmo	TPHms	TPHpt	TPHss

H = Heavier hydrocarbons contributed to the quantitation.
J = Reported value is estimated.
L = Lighter hydrocarbons contributed to the quantitation.
Y = Sample exhibits fuel pattern which does not resemble standard.
Z = Sample exhibits unknown single peak or peaks.
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
TPHmo = total petroleum hydrocarbons as motor oil
TPHms = total petroleum hydrocarbons as mineral spirits
TPHpt = total petroleum hydrocarbons as paint thinner
TPHss = total petroleum hydrocarbons as stoddard solvent
Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for all compounds using EPA test method 8015 modified.

Table 13
Volatile Organic Compounds Detected in Groundwater
Batarse Site, Oakland, California
Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	1,2,4-TMB	1,2,5-TMB	CF	cis-1,2-DCE	CS2	EBENZ	ISPB	m,p-XYL	MTBE	NAPH	n-BBENZ	PBENZ	PCE	p-ISPT	s-BBENZ	TCE	TOL	VC
Area 1																			
BASB026	28-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
DUP	28-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB027	27-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB028	27-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB029	23-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB030	23-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB031	26-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB032	26-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB033	26-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB034	27-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB036	22-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB037	22-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB070	03-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB071	03-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB072	05-Apr-01	<0.5	<0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB073	02-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB074	02-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB075	02-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB076	30-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB077	30-Mar-01	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB078	05-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB082	05-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Area 2																			
BASB006	31-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	<0.5
BASB007	31-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5
BASB008	21-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5

Table 13
Volatile Organic Compounds Detected in Groundwater
Batarse Site, Oakland, California
Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	1,2,4-TMB	1,2,5-TMB	CF	cis-1,2-DCE	CS2	EBENZ	ISPB	m,p-XYL	MTBE	NAPH	n-BBENZ	PBENZ	PCE	p-ISPT	s-BBENZ	TCE	TOL	VC
Area 3																			
BADW001	23-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB040	03-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB041	28-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Area 4																			
BASB012	19-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB016	04-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	<0.5
DUP	04-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	<0.5
Area 5																			
BASB022	04-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	16	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB023	04-Apr-01	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	1.1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB024	04-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB025	04-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB086	04-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB087	04-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Area 6																			
BASB001	02-Apr-01	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	5.2	<0.5	<0.5
BASB021	29-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB051	02-Apr-01	2600	820	<8.3	9.7	<8.3	210	190	390	<8.3	180	550	700	<8.3	65	140	15	<8.3	<8.3
BASB081	05-Apr-01	610	110	<2.5	7.5	<2.5	32	89	56	<2.5	78	110	250	<2.5	14	32	5.4	<2.5	4.4
DUP	05-Apr-01	580	110	<2.5	10	<2.5	31	93	54	<2.5	68	93	240	<2.5	14	31	11	<2.5	5.7
Area 7																			
BASB018	05-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB019	05-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
DUP	05-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB052	02-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB053	03-Apr-01	<0.5	<0.5	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 13
Volatile Organic Compounds Detected in Groundwater
Batarse Site, Oakland, California
Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	1,2,4-TMB	1,2,5-TMB	CF	cis-1,2-DCE	CS2	EBENZ	ISPB	m,p-XYL	MTBE	NAPH	n-BBENZ	PBENZ	PCE	p-ISPT	s-BBENZ	TCE	TOL	VC
Area 7																			
BASB054	03-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	1.3	<0.5	<0.5	<0.5	<0.5	<0.5
BASB055	29-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB056	30-Mar-01	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB057	28-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB058	21-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB080	03-Apr-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Area 8																			
BASB050	20-Mar-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Area 9																			
BASB088	09-Jul-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
DUP	09-Jul-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB089	09-Jul-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BASB090	09-Jul-01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

DUP = Duplicate sample

J = Reported value is estimated.

VOCs= volatile organic compounds

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for VOCs using EPA test method 8260B.

1,2,4-TMB = 1,2,4-Trimethylbenzene

1,2,5-TMB = 1,3,5-Trimethylbenzene

CF = Chloroform

c-1,2-DCE = cis-1,2-Dichloroethene

CS2 = Carbon Disulfide

EBENZ = Ethylbenzene

ISPB = Isopropylbenzene

m,p-XYL = m,p-Xylenes

Table 13
Volatile Organic Compounds Detected in Groundwater
Batarse Site, Oakland, California
Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	1,2,4-TMB	1,2,5-TMB	CF	cis-1,2-DCE	CS2	EBENZ	ISPB	m,p-XYL	MTBE	NAPH	n-BBENZ	PBENZ	PCE	p-ISPT	s-BBENZ	TCE	TOL	VC

MTBE = Methyl-tertiary-butyl ether
n-BBENZ = n-Butylbenzene
NAPH = Naphthalene
p-ISPT = para-Isopropyl Toluene
PBENZ = Propylbenzene
PCE = Tetrachloroethene
s-BBENZ = sec-Butylbenzene
TCE = Trichloroethene
TOL = Toluene
VC = Vinyl chloride

Other Detected Compounds:
1.2 µg/l of Bromodichloromethane was detected at BASB072 on 04/05/2001
7.3 µg/l of Bromoform was detected at BASB075 on 04/02/2001
0.6 µg/l of Dibromochloromethane was detected at BASB075-DUP on 04/02/2001
0.5 µg/l of Trichlorofluoromethane was detected at BADW001 on 03/23/2001
1.4 µg/l of Styrene was detected at BASB016 on 04/04/2001
0.6 µg/l of Styrene was detected at BASB016-DUP on 04/04/2001

Table 14
Semivolatile Organic Compounds
Detected in Groundwater
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	2-MNAPH	DEHP	NAPH
Area 1				
BASB071	03-Apr-01	<9.4	<9.4	<9.4
BASB071	03-Apr-01	NA	<3	NA
BASB072	05-Apr-01	<9.4	<9.4	<9.4
BASB072	05-Apr-01	NA	3.1	NA
BASB078	05-Apr-01	<9.6	<9.6	<9.6
BASB078	05-Apr-01	NA	<3	NA
Area 3				
BASB040	03-Apr-01	<9.4	<9.4	<9.4
BASB040	03-Apr-01	NA	<3	NA
Area 6				
BASB051	03-Apr-01	<9.9	<9.9	<9.9
BASB051	03-Apr-01	NA	<3	NA
BASB081	05-Apr-01	15000	<4800	7000
BASB081	05-Apr-01	NA	<3	NA
DUP	05-Apr-01	570	<470	<470
DUP	05-Apr-01	NA	<60	NA
Area 7				
BASB018	05-Apr-01	<9.4	<9.4	<9.4
BASB018	05-Apr-01	NA	<3	NA
BASB019	05-Apr-01	<9.4	<9.4	<9.4
BASB019	05-Apr-01	NA	<3	NA
DUP	05-Apr-01	<9.6	<9.6	<9.6
DUP	05-Apr-01	NA	<3	NA
BASB053	03-Apr-01	<9.6	<9.6	<9.6
BASB053	03-Apr-01	NA	<3	NA
BASB054	03-Apr-01	<9.7	<9.7	<9.7
BASB054	03-Apr-01	NA	<3	NA
BASB058	21-Mar-01	<10	<10	<10
BASB058	21-Mar-01	NA	<3	NA
BASB080	03-Apr-01	<10	<10	<10
BASB080	03-Apr-01	NA	<3	NA

Table 14
Semivolatile Organic Compounds
Detected in Groundwater
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	2-MNAPH	DEHP	NAPH

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

J = Reported value is estimated.

DUP = Duplicate sample

NA = Not analyzed

SVOCs= Semivolatile organic compounds

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for SVOCs using EPA method 8270C. The second record for any sample was analyzed by BC Laboratories using EPA method 525.2.

2-MNAPH = 2-Methylnaphthalene

DEHP = Bis(2-Ethylhexyl) phthalate

NAPH = Naphthalene

Table 15
Title 22 Metals Detected in Groundwater
Batarse Site, Oakland, California
Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	As	Ba	Co	Cu	Mo	Ni	Pb	Sb	Zn
Area 1										
BASB036	22-Mar-01	<5	98	<20	<10	<20	<20	<3	<1	<20
BASB037	22-Mar-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB029	23-Mar-01	<5	77	<20	<10	<20	<20	<3	<1	<20
BASB030	23-Mar-01	<5	64	<20	<10	<20	<20	<3	<1	<20
BASB031	26-Mar-01	<5	73	<20	<10	<20	<20	<3	<1	<20
BASB032	26-Mar-01	<5	99	<20	<10	<20	<20	<3	<1	<20
BASB033	26-Mar-01	<5	110	50	<10	<20	<20	<3	<1	<20
BASB027	27-Mar-01	<5	100	<20	<10	<20	<20	<3	<1	<20
BASB028	27-Mar-01	<5	120	<20	<10	<20	<20	<3	<1	<20
BASB034	27-Mar-01	<5	120	<20	<10	<20	<20	<3	<1	<20
BASB026	28-Mar-01	<5	97	37	15	<20	130	<3	<1	<20
DUP	28-Mar-01	<5	95	37	16	<20	130	<3	<1	<20
BASB076	30-Mar-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB077	30-Mar-01	<5	140	<20	<10	<20	<20	<3	<1	<20
BASB073	02-Apr-01	<5	99	<20	<10	<20	<20	<3	<1	<20
BASB074	02-Apr-01	<5	87	<20	<10	<20	<20	<3	<1	<20
BASB075	02-Apr-01	<5	100	<20	<10	<20	<20	<3	<1	<20
BASB070	03-Apr-01	<5	77	<20	<10	<20	<20	<3	<1	<20
BASB071	03-Apr-01	<5	92	<20	<10	<20	<20	<3	<1	<20
BASB072	05-Apr-01	<5	100	<20	<10	<20	<20	<3	<1	<20
BASB078	05-Apr-01	<5	28	<20	<10	<20	<20	<3	<1	<20
BASB082	05-Apr-01	<5	79	<20	<10	<20	<20	<3	<1	<20
Area 2										
BASB008	21-Mar-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB006	31-Mar-01	<5	120	<20	<10	<20	<20	<3	<1	<20
BASB007	31-Mar-01	<5	120	<20	<10	<20	<20	<3	<1	<20
Area 3										
BADW001	23-Mar-01		130						1.3	
BASB041	28-Mar-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB040	03-Apr-01	<5	99	<20	<10	<20	<20	<3	<1	<20
Area 4										
BASB012	19-Mar-01	<5	110	<20 J	<10 J	<20	<20 J	<3	<1	<20 J
BASB016	04-Apr-01	<5	99	<20	<10	<20	33	<3	<1	<20
DUP	04-Apr-01	<5	95	<20	<10	<20	33	<3	<1	<20

Table 15
Title 22 Metals Detected in Groundwater
Batarse Site, Oakland, California
Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	As	Ba	Co	Cu	Mo	Ni	Pb	Sb	Zn
Area 5										
BASB022	04-Apr-01	<5	66	<20	<10	<20	38	<3	<1	<20
BASB023	04-Apr-01	<5	90	<20	<10	25	69	<3	<1	<20
BASB024	04-Apr-01	<5	91	<20	<10	<20	<20	<3	<1	<20
BASB025	04-Apr-01	<5	90	<20	<10	<20	64	<3	<1	<20
BASB086	04-Apr-01	<5	68	<20	<10	<20	<20	<3	<1	<20
BASB087	04-Apr-01	<5	68	<20	<10	<20	39	<3	<1	<20
Area 6										
BASB021	29-Mar-01	<5	130	<20	<10	<20	<20	<3	<1	<20
BASB001	02-Apr-01	<5	94	<20	<10	<20	<20	<3	<1	<20
BASB051	02-Apr-01	<5	88	<20	<10	36	23	<3	<1	<20
BASB081	05-Apr-01	9.4	230	<20	<10	<20	26	12	<1	26
DUP	05-Apr-01	9.1	230	<20	<10	<20	23	16	<1	<20
Area 7										
BASB058	21-Mar-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB057	28-Mar-01	<5	120	<20	<10	<20	<20	<3	<1	27
BASB055	29-Mar-01	<5	95	<20	<10	<20	<20	<3	<1	<20
BASB056	30-Mar-01	<5	99	<20	<10	<20	<20	<3	<1	<20
BASB052	02-Apr-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB053	03-Apr-01	<5	87	<20	<10	<20	<20	<3	<1	<20
BASB054	03-Apr-01	<5	69	<20	<10	<20	<20	<3	<1	<20
BASB080	03-Apr-01	<5	79	<20	<10	<20	<20	<3	<1	<20
BASB018	05-Apr-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB019	05-Apr-01	<5	90	<20	<10	<20	<20	<3	<1	44
DUP	05-Apr-01	<5	87	<20	<10	<20	<20	<3	<1	<20
Area 8										
BASB050	20-Mar-01	<5	2000	<20	<10	<410	<20	100	490	<20
Area 9										
BASB088	09-Jul-01	<5	72	<20	<10	<20	<20	<3	<1	<20
DUP	09-Jul-01	<5	74	<20	<10	20	<20	<3	<1	<20
BASB089	09-Jul-01	<5	110	<20	<10	<20	<20	<3	<1	<20
BASB090	09-Jul-01	<5	70	<20	<10	<20	<20	<3	<1	<20

Table 15
Title 22 Metals Detected in Groundwater
Batarse Site, Oakland, California
Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	As	Ba	Co	Cu	Mo	Ni	Pb	Sb	Zn

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

DUP = Duplicate sample

J = Reported value is estimated.

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for metals using EPA test method 6020A.

As = Silver Ba = Barium Co = Cobalt Cu = Copper Mo = Molybdenum
Ni = Nickel Pb = Lead Sb = Antimony Zn = Zinc

Table 16
Total Petroleum Hydrocarbons in Soil - Concentrations Above 100 mg/kg
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Chemical	Result	Comparison Value
Area 1					
BASB027	27-Mar-01	(3.50-4.00)	TPHmo	120 YH	100
BASB031	26-Mar-01	(6.50-7.00)	TPHg	440 JYH	100
BASB031	26-Mar-01	(6.50-7.00)	TPHms	480 JYL	100
BASB031	26-Mar-01	(6.50-7.00)	TPHss	220 J	100
BASB031	26-Mar-01	(9.50-10.00)	TPHg	490 JYH	100
BASB031	26-Mar-01	(9.50-10.00)	TPHms	530 JYL	100
BASB031	26-Mar-01	(9.50-10.00)	TPHss	250 J	100
BASB031	26-Mar-01	(14.50-15.00)	TPHg	180 JYH	100
BASB031	26-Mar-01	(14.50-15.00)	TPHms	190 JYL	100
BASB032-DUP	26-Mar-01	(4.50-5.00)	TPHmo	360	100
BASB033	26-Mar-01	(3.50-4.00)	TPHmo	240	100
BASB036	22-Mar-01	(3.50-4.00)	TPHd	160 YH	100
BASB036	22-Mar-01	(3.50-4.00)	TPHmo	630	100
BASB073	02-Apr-01	(2.50-3.00)	TPHmo	120 Y	100
BASB077	30-Mar-01	(3.50-4.00)	TPHd	270 YH	100
BASB077	30-Mar-01	(3.50-4.00)	TPHmo	2200 Y	100
Area 5					
BASB022	04-Apr-01	(1.50-2.00)	TPHd	220 YL	100
BASB022	04-Apr-01	(1.50-2.00)	TPHmo	1300	100
BASB022	04-Apr-01	(4.50-5.00)	TPHd	970 YL	100
BASB022	04-Apr-01	(4.50-5.00)	TPHmo	490	100
BASB022	04-Apr-01	(9.50-10.00)	TPHd	600 YL	100
BASB022	04-Apr-01	(9.50-10.00)	TPHmo	300	100
BASB023	04-Apr-01	(20.50-21.00)	TPHmo	150	100
Area 6					
BASB001	02-Apr-01	(22.50-23.00)	TPHmo	140 Y	100
BASB002	31-Mar-01	(2.50-3.00)	TPHd	150 YH	100
BASB002	31-Mar-01	(2.50-3.00)	TPHmo	1000 Y	100
Area 7					
BASB018	05-Apr-01	(11.50-12.00)	TPHmo	130	100
BASB019	05-Apr-01	(2.00-2.50)	TPHmo	330	100
BASB052	02-Apr-01	(3.50-4.00)	TPHmo	290 Y	100
BASB052	02-Apr-01	(24.50-25.00)	TPHmo	480	100
BASB053	03-Apr-01	(1.50-2.00)	TPHmo	460 YH	100

Areas Excavated in 2015 (RO3151) Highlighted

Table 16
Total Petroleum Hydrocarbons in Soil - Concentrations Above 100 mg/kg
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Chemical	Result	Comparison Value
Area 7					
BASB054	03-Apr-01	(1.50-2.00)	TPHmo	290	100
BASB054	03-Apr-01	(21.50-22.00)	TPHmo	170	100
BASB056	30-Mar-01	(3.50-4.00)	TPHmo	120 Y	100
BASB058	21-Mar-01	(3.50-4.00)	TPHmo	310 Y	100
Area 8					
BASB061	05-Apr-01	(0.00-0.50)	TPHmo	120	100
Area 9					
BASB090	09-Jul-01	(2.00-2.50)	TPHmo	360	100
BASB090-DUP	09-Jul-01	(2.00-2.50)	TPHmo	310	100

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

bgs = below ground surface
DUP = Duplicate sample
H = Heavier hydrocarbons contributed to the quantitation.
J = Reported value is estimated.
L = Lighter hydrocarbons contributed to the quantitation.
Y = Sample exhibits fuel pattern which does not resemble standard.
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
TPHmo = total petroleum hydrocarbons as motor oil
TPHms = total petroleum hydrocarbons as mineral spirits
TPHpt = total petroleum hydrocarbons as paint thinner
TPHss = total petroleum hydrocarbons as stoddard solvent
Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for all compounds using EPA test method 8015 modified.

Table 17
Title 22 Metals in Soil - Concentrations Above Background Levels
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Chemical	Result	Background Level
Area 1					
BASB026	28-Mar-01	(4.00-4.50)	Pb	22.0	16.1
BASB027	27-Mar-01	(4.00-4.50)	Pb	74.0	16.1
BASB027	27-Mar-01	(4.00-4.50)	Zn	140.0	106.1
BASB027	27-Mar-01	(15.00-15.50)	Hg	1.1	0.4
BASB028	27-Mar-01	(1.00-1.50)	Pb	83.0	16.1
BASB028	27-Mar-01	(1.00-1.50)	Zn	120.0	106.1
BASB033	26-Mar-01	(4.00-4.50)	Ba	340.0	323.6
BASB033	26-Mar-01	(4.00-4.50)	Pb	160.0	16.1
BASB033	26-Mar-01	(4.00-4.50)	Zn	430.0	106.1
BASB034	27-Mar-01	(4.00-4.50)	Pb	24.0	16.1
BASB036	22-Mar-01	(4.00-4.50)	Cd	3.1	2.7
BASB070	03-Apr-01	(3.50-4.00)	Pb	27.0	16.1
BASB071	03-Apr-01	(2.00-2.50)	Pb	130.0	16.1
BASB071	03-Apr-01	(2.00-2.50)	Zn	240.0	106.1
BASB072	05-Apr-01	(2.50-3.00)	Pb	44.0	16.1
BASB072	05-Apr-01	(2.50-3.00)	Zn	110.0	106.1
BASB077	30-Mar-01	(4.00-4.50)	Pb	30.0	16.1
BASB078	05-Apr-01	(4.00-4.50)	Pb	20.0	16.1
Area 2					
BASB008	21-Mar-01	(4.00-4.50)	Pb	26.0	16.1
Area 3					
BASB041	28-Mar-01	(4.00-4.50)	Pb	28.0	16.1
BASB041	28-Mar-01	(5.00-5.50)	Pb	49.0	16.1
Area 4					
BASB012	19-Mar-01	(4.00-4.50)	Pb	17.0	16.1
BASB013	20-Mar-01	(3.00-3.50)	Cr	160.0	99.6
BASB016	04-Apr-01	(2.50-3.00)	Pb	60.0	16.1
Area 5					
BASB022	04-Apr-01	(2.00-2.50)	Pb	31.0	16.1
BASB022	04-Apr-01	(5.00-5.50)	Pb	63.0	16.1
BASB022	04-Apr-01	(10.00-10.50)	Pb	23.0	16.1
BASB023	04-Apr-01	(2.00-2.50)	As	33.0	19.1
BASB023	04-Apr-01	(2.00-2.50)	Pb	130.0	16.1
BASB023	04-Apr-01	(2.00-2.50)	Zn	400.0	106.1
BASB023	04-Apr-01	(21.00-21.50)	Pb	33.0	16.1

Table 17
Title 22 Metals in Soil - Concentrations Above Background Levels
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Chemical	Result	Background Level
Area 5					
BASB023	04-Apr-01	(21.00-21.50)	Zn	120.0	106.1
BASB024	04-Apr-01	(2.00-2.50)	Pb	17.0	16.1
BASB025	04-Apr-01	(4.00-4.50)	Pb	18.0	16.1
BASB025	04-Apr-01	(4.00-4.50)	Zn	110.0	106.1
BASB086	04-Apr-01	(2.00-2.50)	Cd	3.0	2.7
BASB087	04-Apr-01	(4.00-4.50)	Cd	2.8	2.7
Area 6					
BASB002	31-Mar-01	(3.00-3.50)	Pb	24.0	16.1
BASB021	29-Mar-01	(1.00-1.50)	Pb	19.0	16.1
Area 7					
BASB019	05-Apr-01	(2.50-3.00)	Pb	54.0	16.1
BASB019	05-Apr-01	(2.50-3.00)	Zn	130.0	106.1
BASB052	02-Apr-01	(4.00-4.50)	Zn	130.0	106.1
BASB052	02-Apr-01	(25.00-25.50)	Zn	150.0	106.1
BASB055	29-Mar-01	(8.50-9.00)	Pb	20.0	16.1
BASB056	30-Mar-01	(25.00-25.50)	Ba	410.0	323.6
BASB057	28-Mar-01	(4.00-4.50)	Pb	140.0	16.1
BASB057	28-Mar-01	(4.00-4.50)	Zn	140.0	106.1
Area 8					
BASB050	20-Mar-01	(2.50-3.00)	Pb	38.0	16.1
BASB060	05-Apr-01	(0.00-0.50)	Pb	36.0	16.1
BASB061	05-Apr-01	(0.00-0.50)	Pb	130.0	16.1
BASB062	05-Apr-01	(0.00-0.50)	Pb	18.0	16.1
BASB063	05-Apr-01	(0.00-0.50)	Pb	110.0	16.1
BASB065	22-Mar-01	(0.00-0.50)	Pb	31.0	16.1
Area 9					
BASB090	09-Jul-01	(2.50-3.00)	Pb	66.0	16.1
DUP	09-Jul-01	(2.50-3.00)	Pb	43.0	16.1

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

Metals background concentrations from Oakland Urban Land Development.

bgs = below ground surface

DUP = Duplicate sample

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for mercury using EPA test method 7470 and EPA test method 7470A and all other metals were analyzed by EPA test method 6010B.

As = Arsenic Ba = Barium Cd = Cadmium Cr = Chromium

Table 17
Title 22 Metals in Soil - Concentrations Above Background Levels
Batarse Site, Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Location ID	Date Sampled	Depth (feet bgs)	Chemical	Result	Background Level

Hg = Mercury Pb = Lead Zn = Zinc

Table 18
Total Petroleum Hydrocarbons in Water - Concentrations Above SNARLs
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	Chemical	Result	SNARL value
Area 1				
BASB026	28-Mar-01	TPHd	130 Y	100
DUP	28-Mar-01	TPHd	140 Y	100
BASB031	26-Mar-01	TPHd	800 YL	100
BASB031	26-Mar-01	TPHg	610 YH	5
BASB031	26-Mar-01	TPHms	920 YLb	5
BASB031	26-Mar-01	TPHss	320	5
BASB032	26-Mar-01	TPHd	61 Y	100
BASB036	22-Mar-01	TPHd	73 Y	100
BASB037	22-Mar-01	TPHd	100 Y	100
BASB071	03-Apr-01	TPHd	150 YL	100
BASB071	03-Apr-01	TPHg	320 Y	5
BASB071	03-Apr-01	TPHpt	240	5
BASB072	05-Apr-01	TPHd	80 Y	100
BASB073	02-Apr-01	TPHd	73 Y	100
BASB076	30-Mar-01	TPHd	530 Y	100
BASB076	30-Mar-01	TPHmo	530	100
BASB077	30-Mar-01	TPHd	52 Y	100
Area 2				
BASB007	31-Mar-01	TPHd	70 Y	100
BASB008	21-Mar-01	TPHd	150 YZ	100
Area 3				
BASB041	28-Mar-01	TPHd	120 Y	100
Area 4				
BASB012	19-Mar-01	TPHd	61 Y	100
BASB016	04-Apr-01	TPHd	71 Y	100
DUP	04-Apr-01	TPHd	61 Y	100
Area 5				
BASB022	04-Apr-01	TPHd	110 Y	100
BASB023	04-Apr-01	TPHd	310 YH	100
BASB023	04-Apr-01	TPHmo	1100	100
Area 6				
BASB001	02-Apr-01	TPHd	360 YH	100
BASB001	02-Apr-01	TPHmo	1200 Y	100
BASB021	29-Mar-01	TPHd	66 Y	100

Table 18
Total Petroleum Hydrocarbons in Water - Concentrations Above SNARLs
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	Chemical	Result	SNARL value
Area 6				
BASB051	02-Apr-01	TPHd	20000 Y	100
BASB051	02-Apr-01	TPHg	19000	5
BASB051	02-Apr-01	TPHpt	14000 Y	5
BASB081	05-Apr-01	TPHd	210000 Y	100
BASB081	05-Apr-01	TPHg	7700	5
BASB081	05-Apr-01	TPHpt	5800 Y	5
DUP	05-Apr-01	TPHd	90000 Y	100
DUP	05-Apr-01	TPHg	7200	5
DUP	05-Apr-01	TPHpt	5400 Y	5
Area 7				
BASB018	05-Apr-01	TPHd	160 YH	100
BASB052	02-Apr-01	TPHd	100 YH	100
BASB052	02-Apr-01	TPHmo	360 YH	100
BASB055	29-Mar-01	TPHd	51 Y	100
BASB058	21-Mar-01	TPHd	57 Y	100
Area 8				
BASB050	20-Mar-01	TPHd	65 Y	100

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

SNARLs = Suggested No-Adverse-Response Levels, Regional Water Quality Control Board, Central Valley Region, A Compilation of Water Quality Goals, August 2000

SNARLs only exist for TPHg and TPHd but were applied to similiar TPH fractions.

bgs = below ground surface

b = Continuing calibration verification percent difference was slightly above acceptance limits in batch.

DUP = Duplicate sample

H = Heavier hydrocarbons contributed to the quantitation.

L = Lighter hydrocarbons contributed to the quantitation.

Y = Sample exhibits fuel pattern which does not resemble standard.

Z = Sample exhibits unknown single peak or peaks.

TPHd = total petroleum hydrocarbons as diesel

TPHg = total petroleum hydrocarbons as gasoline

TPHmo = total petroleum hydrocarbons as motor oil

TPHms = total petroleum hydrocarbons as mineral spirits

TPHpt = total petroleum hydrocarbons as paint thinner

TPHss = total petroleum hydrocarbons as stoddard solvent

Samples were analyzed by Curtis and Tompkins Analytical

Table 18
Total Petroleum Hydrocarbons in Water - Concentrations Above SNARLs
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	Chemical	Result	SNARL value

Laboratories Ltd. for all compounds using EPA test method 8015 modified.

Table 19
Title 22 Metals and Volatile Organic Compounds in Groundwater - Concentrations Above MCLs
Batarse Site, Oakland, California

Concentrations in micrograms per liter (µg/l)

Location ID	Date Sampled	Chemical	Result	MCL value
Area 1				
BASB026	28-Mar-01	Ni	130	100
DUP	28-Mar-01	Ni	130	100
Area 5				
BASB022	04-Apr-01	MTBE	16	13
Area 6				
BASB001	02-Apr-01	TCE	5.2	5
BASB051	02-Apr-01	c-1,2-DCE	9.7	6
BASB051	02-Apr-01	TCE	15	5
BASB081	05-Apr-01	c-1,2-DCE	7.5	6
BASB081	05-Apr-01	TCE	5.4	5
BASB081	05-Apr-01	VC	4.4	0.5
DUP	05-Apr-01	Pb	16	15
DUP	05-Apr-01	c-1,2-DCE	10	6
DUP	05-Apr-01	TCE	11	5
DUP	05-Apr-01	VC	5.7	0.5
Area 8				
BASB050	20-Mar-01	Ba	2000	1000
BASB050	20-Mar-01	Pb	100	15
BASB050	20-Mar-01	Sb	490	6

Data prepared by: TIH . Data QA/QC by: LDF .

Notes:

DUP = Duplicate sample

MCL = Maximum concentration limit

MCL values were derived from the California Department of Health Services Primary MCL list, Regional Water Quality Control Board, Central Valley Region, A Compilation of Water Quality Goals, August 2000

Samples were analyzed by Curtis and Tompkins Analytical Laboratories Ltd. for metals using EPA test method 6010B and for volatile organic compounds using EPA test method 8260B.

Ba = Barium

c-1,2-DCE = cis-1,2-Dichloroethene

MTBE=Methyl-tertiary-butyl ether

Ni = Nickel

Pb = Lead

Sb = Antimony

TCE = Trichloroethene

VC = Vinyl Chloride

ATTACHMENT E

LFR Human Health Screening Evaluation, Exposure Assessment, Toxicity Assessment and Risk Characterization, and Ecological Screening Evaluation

(Extracted from LFR "PSA_R_2001-10-03 on file with the ACHSD)

Area 3; borings BASB022 and BASB023 in Area 5; borings BASB001, BASB051, and BASB081 in Area 6; and borings BASB018 and BASB052 in 7.

The petroleum hydrocarbons and VOCs detected in groundwater samples from Area 6 appear to be related to the waste oil and product USTs formerly located immediately to the west of the Site. According to reports prepared by other consultants for the investigation of the USTs, groundwater flow direction is to the west-southwest based on depth to water measurements in the three monitoring wells installed on the properties adjacent to the west of the Site. Therefore, the three borings advanced at the west end of Area 6 are located in an upgradient direction from these former USTs. In LFR's opinion, the USTs appear to be the likely source of the petroleum hydrocarbons in the groundwater based on the proximity of the USTs to the borings.

The petroleum hydrocarbons detected in the soil and groundwater samples from beneath the maintenance building at the west end of Area 1 appear to be related to the hydraulic lifts and chemical storage in this building.

7.0 HUMAN HEALTH SCREENING EVALUATION

7.1 Data Evaluation and Selection of Chemicals of Potential Concern

In accordance with the PEA Guidance Manual, a screening-level evaluation was conducted to provide an estimate of potential chronic (long-term) health risks from affected soil and groundwater identified at the Site. Analytical data from LFR's sampling program were used for this evaluation. LFR analyzed 279 samples as part of the chemical characterization of soil. During an August 16, 2001 meeting with LFR, DTSC authorized the use of 95 percent UCL of the mean to represent exposure point concentrations. DTSC's representatives stated that, based on the relatively large data set, 95 percent UCLs would be appropriate to use in the risk evaluation (LFR 2001). In addition, DTSC's representatives agreed with LFR that the concentration of chromium at 160 mg/kg in the soil sample collected at the 3 foot depth from boring BASB013 and the concentration of arsenic at 33 mg/kg in the soil sample collected at the 2 foot depth at boring BASB023 could be considered outliers of the data set and excluded from the risk assessment.

The evaluation was conducted using the analytical models provided in the PEA Guidance Manual, which are structured to provide a conservative estimate of the chronic risk from affected media along exposure pathways that are most frequently encountered in a residential setting. The default factors contained in the analytical models are conservative in nature and represent a reasonable maximum exposure to COPCs as defined by EPA. The screening-level evaluation was conducted for each chemical species detected in site soil and groundwater at concentrations above local background levels. In addition, the groundwater vapor transport model presented in the

DTSC-modified Johnson and Ettinger vapor model spreadsheet was used for groundwater to indoor air estimations.

Appendix H presents the details of the screening-level evaluation. The results of the evaluation are summarized below.

7.2 Exposure Assessment

Soil COPCs used in the evaluation of chronic health risk from the ingestion, dermal contact, and inhalation pathways included metals, OCPs, PAHs, SVOCs, and VOCs and are summarized in Table 20.

Groundwater COPCs used in the evaluation of chronic health risk from inhalation of vapors and domestic use include metals, PAHs, SVOCs, and VOCs and are summarized in Table 21.

7.3 Toxicity Assessment and Risk Characterization

The site conceptual model is presented in Figure 11. COPC data are presented in Tables 20 through 24. Exposure pathway evaluations, distribution evaluations, and 95 percent UCLs are presented in Tables 25 and 26, and summarized as follows:

- The PEA soil model for the carcinogenic compounds does not indicate a significant cancer risk (less than 10^{-6}) for the ingestion/dermal contact pathways from shallow soil at the Site.
- The DTSC groundwater spreadsheet for the carcinogenic compounds does not indicate a significant cancer risk (less than 10^{-6}) for the indirect inhalation pathway to indoor air at the Site.
- The PEA Guidance Manual's groundwater model for the carcinogenic compounds bromodichloromethane and vinyl chloride did indicate a significant cancer risk (4.9×10^{-6}) for the domestic use pathway at the Site. This pathway includes exposures from ingestion and bathing. Because the Site is located in an urban setting, public supply water will most likely be used as the domestic water source. Therefore, although the estimated risk from this model is above the target for this exposure scenario, direct contact with shallow groundwater is actually considered highly unlikely, and does not represent an actual complete exposure pathway.
- The PEA soil model for the noncarcinogenic compounds does not indicate a significant hazard (greater than 1) for the indirect inhalation and ingestion/dermal contact pathways from shallow soil at the Site.
- The DTSC groundwater spreadsheet for the noncarcinogenic compounds does not indicate a significant hazard (greater than 1) for the indirect inhalation pathway to indoor air at the Site.

- The PEA Guidance Manual's model did reveal a significant hazard (2) for the domestic use pathway for groundwater at the Site. As previously stated, this pathway includes exposures from ingestion and bathing. Because the Site is located in an urban setting, public supply water will most likely be used as the domestic water source. Therefore, although the estimated risk from this model is above the target for this exposure scenario, direct contact with shallow groundwater is actually considered highly unlikely, and does not represent an actual complete exposure pathway.

Because lead is a COPC at the Site, blood-lead level calculations were performed, using the DTSC's LeadSpread Model (Version 7.0) and inputting the 95 percent UCL lead concentration in soil at the Site (10 micrograms per gram). Lead concentrations detected in groundwater at the Site were not incorporated into the model because public supply water will most likely be used as the domestic water source. The default value of 15 μg/l was used for the lead concentration in water in the model calculations. These results are presented in Table 27. The calculations were performed with the "home-grown produce" pathway turned on, to produce a conservative result. LFR assumed that up to 7 percent of vegetables consumed by a family would be raised on the Site. According to LFR's calculations, the 95th percentile blood lead levels for adults and children are below 10 micrograms per deciliter, indicating that concentrations of lead detected at the Site are not a health concern.

8.0 ECOLOGICAL SCREENING EVALUATION

A detailed ecological screening evaluation was not performed during this PEA because the Site is located within a highly developed commercial and residential urban setting. Natural wildlife habitat areas were not noted on the Site during the PEA. Therefore, based on the available information, there does not appear to be a significant pathway of exposure to nonhuman, sensitive ecological species.

9.0 COMMUNITY PROFILE

Before beginning field activities, LFR worked with the OUSD to notify the surrounding community of the PEA field activities planned for the Site.

On March 13, 2001, LFR's representative distributed written flyers to notify residential and commercial establishments within "sight distance" of the Site of the schedule fieldwork. LFR distributed approximately 120 flyers to residents and occupants on 105th Avenue, East 14th Street (also known as International Boulevard), 104th Avenue, Plymouth Street, Walnut Street, and Breed Street. Flyers printed on OUSD letterhead included information on the proposed environmental investigation (soil and groundwater sampling), and dates of field work. Neighbors were instructed to contact Ms. Ineda Adesanya, Director of Facilities for OUSD, with any questions or comments.

No specific concerns have been raised by the community regarding the PEA performed at the Site and no substantial concerns or issues related to this project have been brought to OUSD's attention by the community.

LFR obtained information on the community demographics from the United States Census Bureau (www.census.gov). The population of City of Oakland ranges from low-middle to upper income families. A summary of the information obtained for the City of Oakland is presented below.

Population:

Total	399,484
White	125,013
Black/African-American	142,460
Hispanic/Latino	87,467
American Indian	2,655
Asian	60,851
Native Hawaiian/Pacific Islander	2,002
Other	46,592
Two or More Races	19,911

Age:

Estimated Median Age	33.3
Population Between Ages 5 and 19 Years	81,300
Population Over Age 21	284,538

Households:

Total	150,790
Average Persons Per Household	2.60
Number of Owner-Occupied Households	62,489
Number of Renter-Occupied Households	88,301
Mean Household Income	$53,400

Families:

Total	86,347
With Children Under 18 Years of Age	43,152

10.0 SUMMARY AND CONCLUSIONS

The purpose of the PEA was to establish whether a release or threatened release of hazardous substances, which pose a threat to human health or the environment, exists at the Site. Based on past site use, selected soil and groundwater samples collected from

the Site were analyzed for Title 22 metals, petroleum hydrocarbons, VOCs, SVOCs, OCPs, PAHs, and PCBs.

The results of the soil sampling identified the presence of metals, OCPs, PAHs, SVOCs, and VOCs as COPCs. Metals were reported across the Site; lead, zinc, arsenic, and chromium were present at concentrations above the 95 percent UCL. OCPs were detected in soil samples from borings BASB061 and BASB065 located in Area 8. PAHs were detected in soil samples from boring BASB082 in Area 1; borings BASB002, BASB005, BASB011, and BASB017 in Area 6; and borings BASB019 in Area 7. The VOCs acetone and methylene chloride were detected in soil samples collected from across the Site. SVOCs were detected in soil samples from boring BASB082 in Area 1; borings BASB002, BASB005, BASB011, BASB017, BASB051, and BASB081 in Area 6; and borings BASB019 and BASB052 in Area 7. In addition, petroleum hydrocarbons were identified in shallow soil at various locations on the Site.

The results of the groundwater sampling identified the presence of metals, PAHs, SVOCs, and VOCs as COPCs. Metals were reported across the Site; barium, lead, antimony, and nickel were present at concentrations above the MCLs. PAHs and SVOCs were detected in groundwater samples from borings BASB071, BASB072, and BASB078 in Area 1; boring BASB040 in Area 3; borings BASB051 and BASB081 in Area 6; and borings BASB018, BASB019, BASB052, BASB053, BASB054, BASB058, and BASB080 in Area 7. VOCs were detected in groundwater samples from boring BASB026 in Area 1; boring BASB022 in Area 5; borings BASB001, BASB051, and BASB081 in Area 6; and boring BASB050 in Area 8. In addition, petroleum hydrocarbons were identified at concentrations above the SNARLs in groundwater at various locations on the Site, including borings BASB026, BASB031, BASB037, BASB071, and BASB076 in Area 1; boring BASB008 in Area 2; boring BASB041 in Area 3; borings BASB022 and BASB023 in Area 5; borings BASB001, BASB051, and BASB081 in Area 6; and borings BASB018 and BASB052 in 7. In addition, petroleum hydrocarbons were detected in groundwater samples collected from across the Site.

The petroleum hydrocarbons and VOCs detected in the groundwater samples from the west end of Area 6 appear to be related to the waste oil and product USTs formerly located immediately to the west of the Site. According to reports prepared by other consultants for the investigation of the USTs, groundwater flow direction is to the west-southwest based on depth-to-water measurements in the three monitoring wells installed on the properties adjacent to the west of the Site. Therefore, the three borings advanced at the west end of Area 6 are located in an upgradient direction from these former USTs. In LFR's opinion, the USTs appear to be the likely source of the petroleum hydrocarbons in the groundwater based on the proximity of the USTs to the borings.

The petroleum hydrocarbons detected in the soil and groundwater samples from beneath the maintenance building at the west end of Area 1 appear to be related to the hydraulic lifts and chemical storage in this building.

For the purposes of conducting a human health screening evaluation, the potential exposure pathways identified for the Site were inhalation, ingestion, and dermal absorption. The PEA human health screening evaluation indicated that potential risks to human health were below the target risk level (less than 10^{-6}) for the compounds identified as COPCs at the Site.

11.0 RECOMMENDATIONS

The information reviewed and observations made in this PEA report do not indicate that soil or groundwater quality at the Site has been significantly affected by on-site releases of hazardous substances, with the exception of the petroleum hydrocarbons detected in soil and groundwater beneath the maintenance building on the west end of Area 1.

Risks to human health have been found to be within acceptable levels based on the information developed during the PEA and the conservative human health screening evaluation using the PEA Guidance Manual. LFR proposes to perform remedial activities in the area of the maintenance building to address the presence of petroleum hydrocarbon-affected soil and groundwater. LFR will prepare a removal action work plan for these proposed activities at the Site. Removal actions and delineation of these compounds will be addressed during construction of the proposed school. Areas of proposed removal actions are presented in Figure 12.

12.0 LIMITATIONS

This PEA did not include assessment of natural hazards such as naturally occurring asbestos, radon gas, or methane gas; assessment of the potential presence of radionuclides or electromagnetic fields; or assessment of nonchemical hazards, such as the potential for damage from earthquakes or floods, or the presence of endangered species or wildlife habitats.

The observations and conclusions presented in this report are professional opinions based on the scope of activities and information obtained through the PEA described in this report. Opinions presented in the report apply to site conditions at the time of our study, and cannot apply to site conditions or changes of which we are not aware, or which we have not had the opportunity to evaluate. It must be recognized that any conclusions drawn from these data rely on the integrity of the information available to LFR at the time of the investigation, and that a full and complete determination of environmental risks cannot be made.

This report is exclusively for the use of the OUSD, the CDE, and the DTSC. Any reliance on this report by any other party shall be at such party's sole risk.

LEGEND

- BASB001 — Sample location
- Building
- Tank
- Railroad tracks
- Area of investigation
- Area of proposed removal action

100 0 100 Feet

Approximate Extent of Proposed Removal Action

Batarse Site, Oakland, California

LFR LEVINE • FRICKE

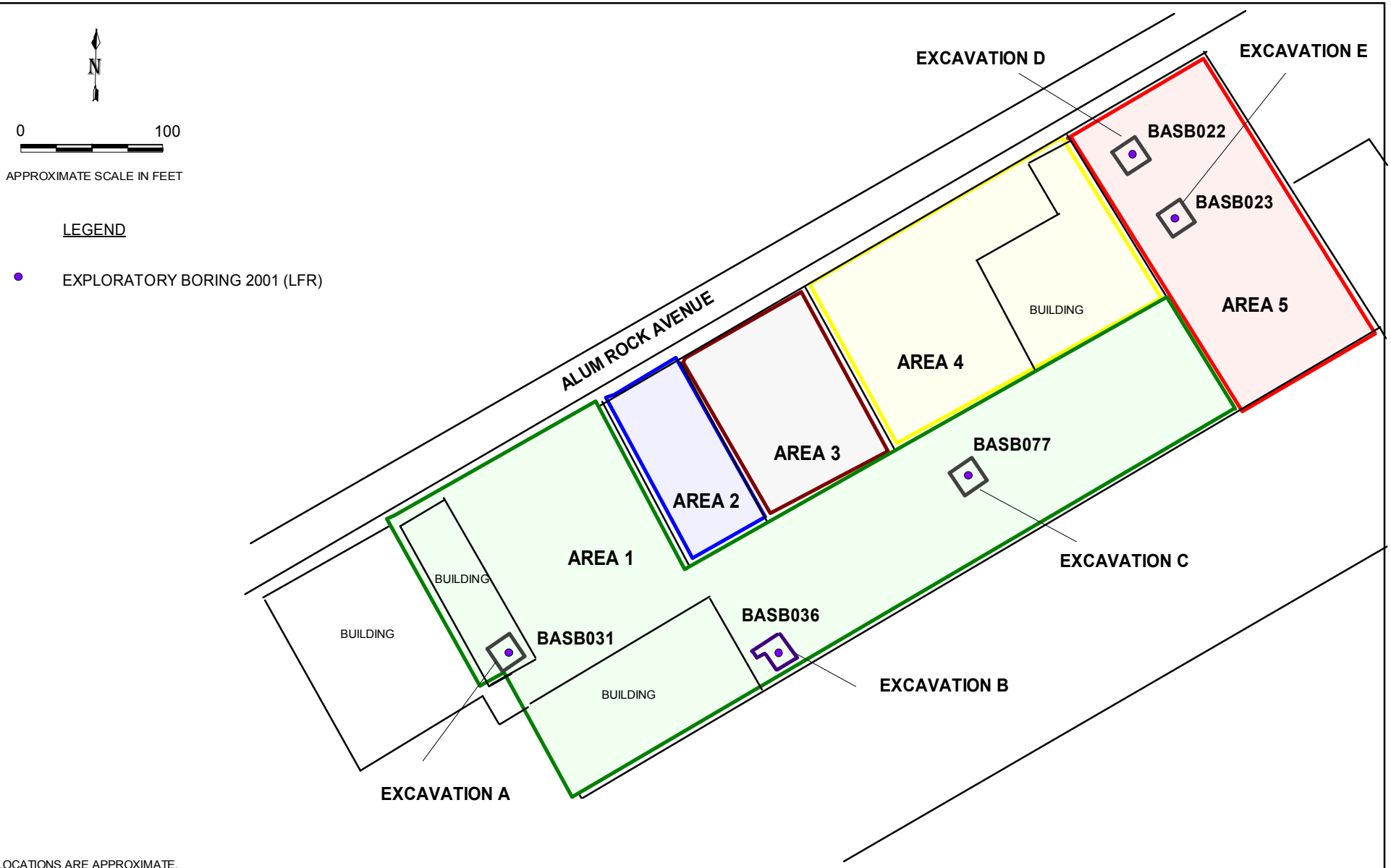
Figure 12

Y:\OUSD\Gis\Batarse\base.apr 10/03/2001

ATTACHMENT E

RO3151 2015 Excavations, 3D Drawings, and Sample Tables

(Extracted from "RO3151_EX_R_2015-04-09" on file with the ACHSD)



ALL LOCATIONS ARE APPROXIMATE.
BASEMAP FROM GOOGLE EARTH 2015

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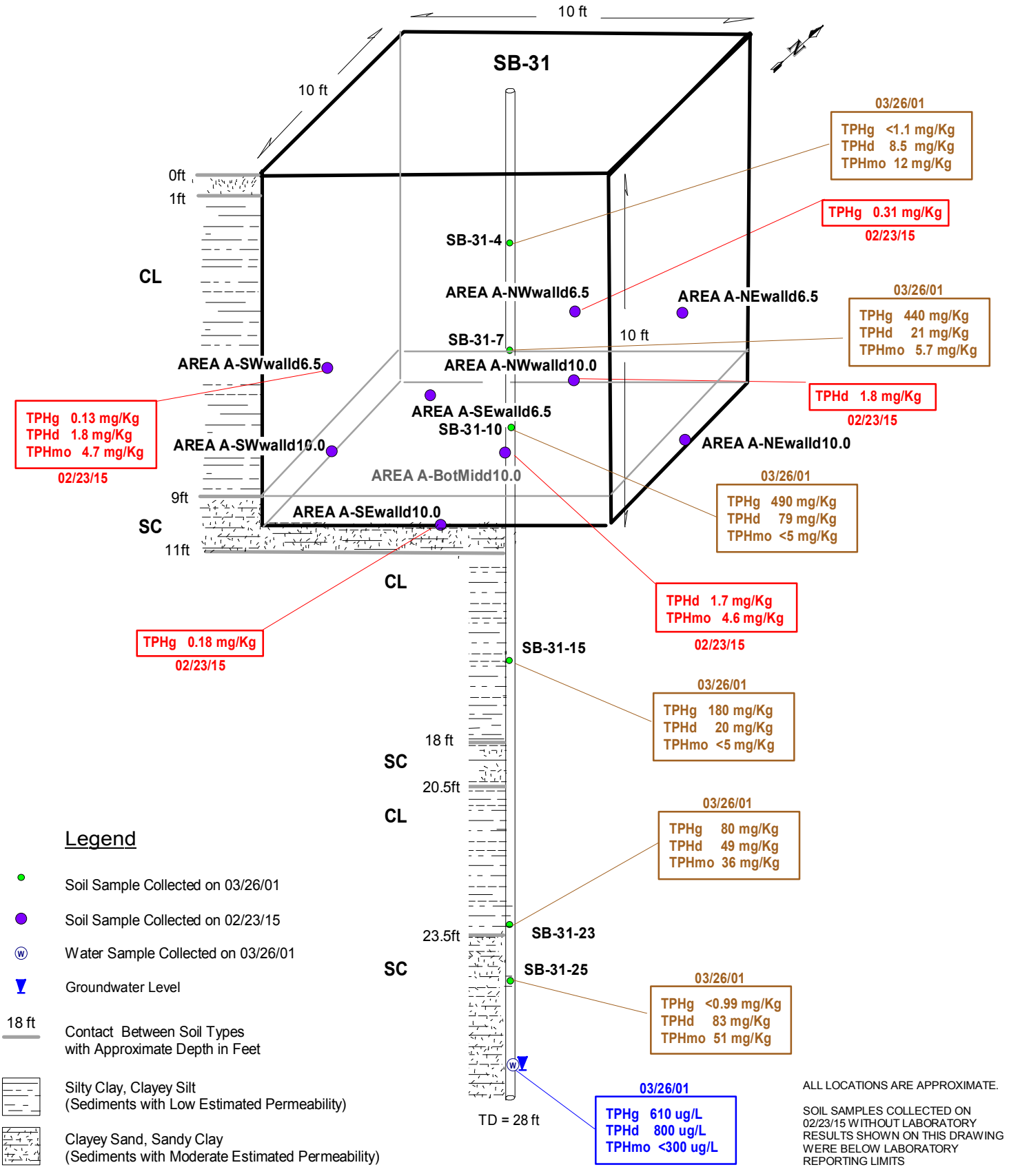
San Jose, CA 95155
Phone (408) 287-2175

EXTENDED SITE MAP SHOWING STUDY AREAS 1 THROUGH 5 AND EXCAVATIONS A THROUGH E

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 3

File: 4409/Figure 3



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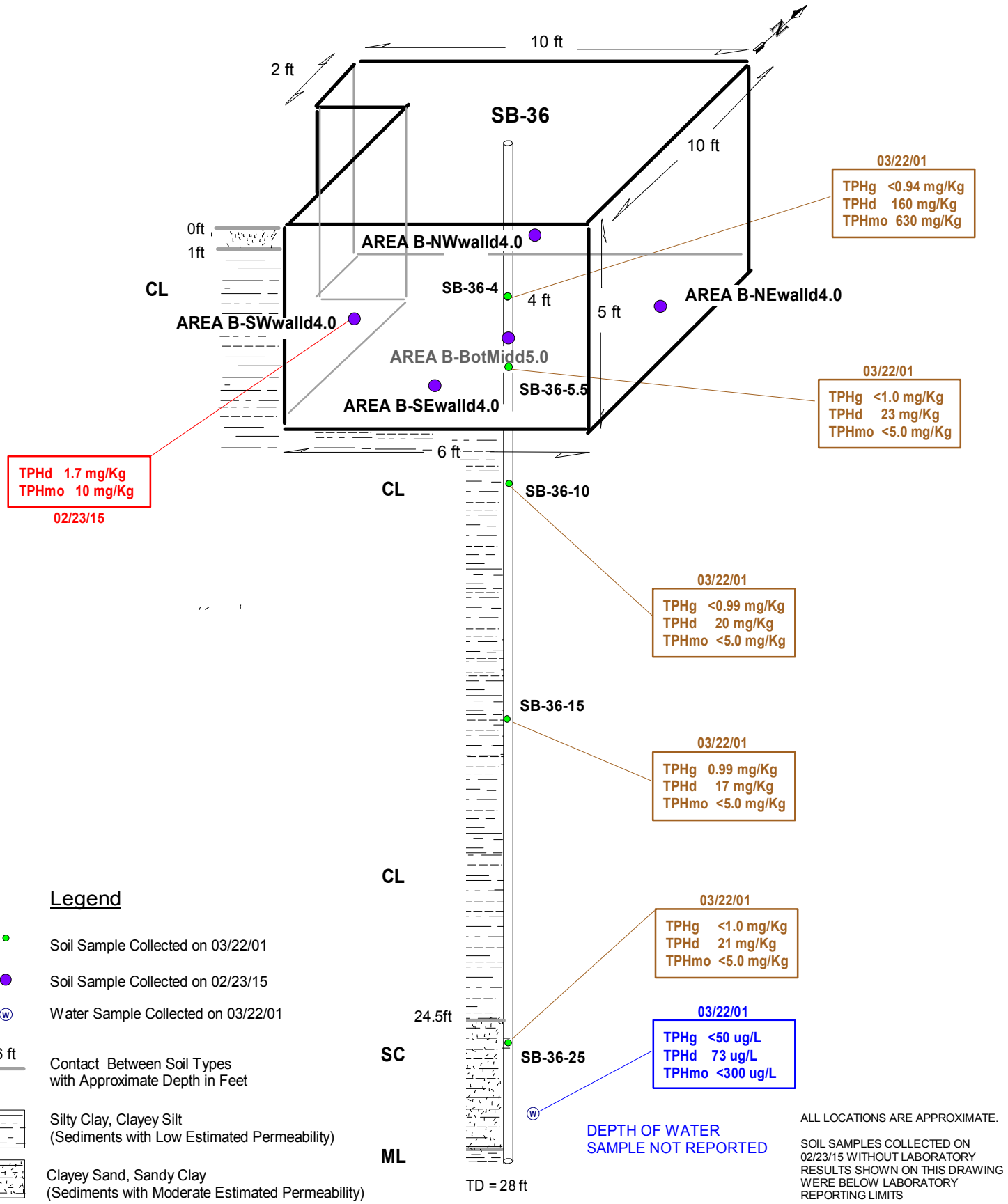
AREA "A" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 4

File: 4409/Figure 4



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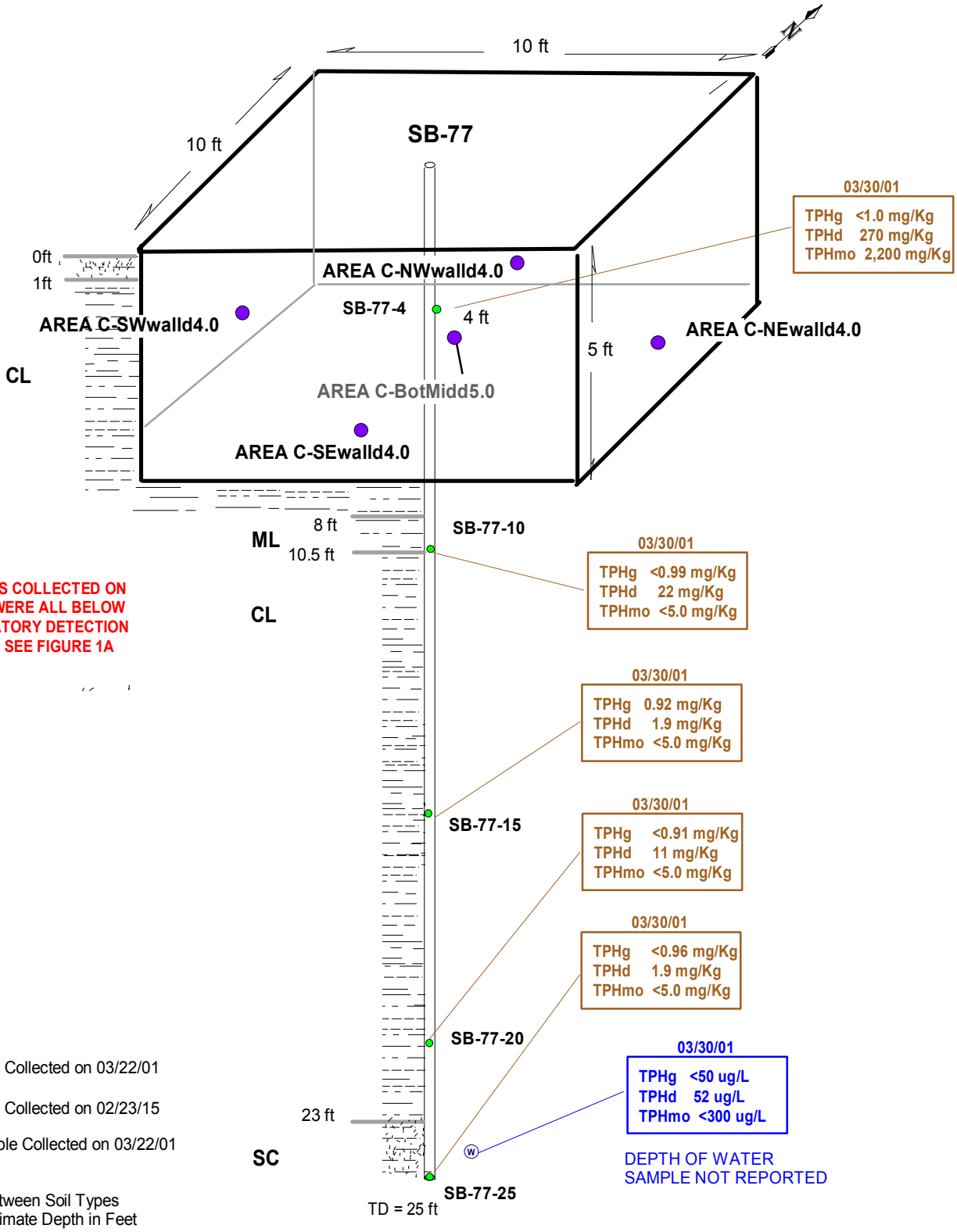
AREA "B" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 5

File: 4409/Figure 4



ALL LOCATIONS ARE APPROXIMATE.

SOIL SAMPLES COLLECTED ON 02/23/15 WITHOUT LABORATORY RESULTS SHOWN ON THIS DRAWING WERE BELOW LABORATORY REPORTING LIMITS

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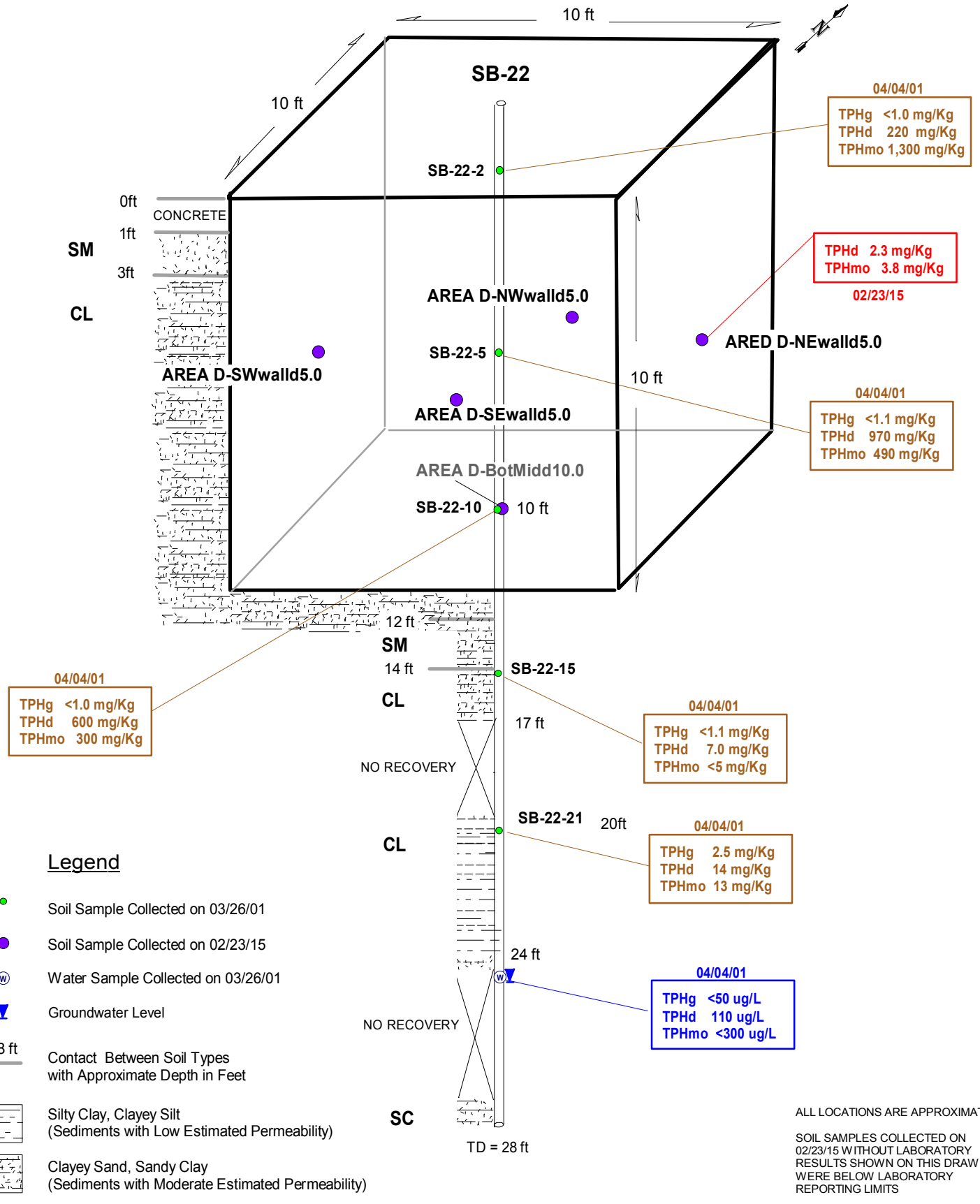
AREA "C" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 6

File: 4409/Figure 6



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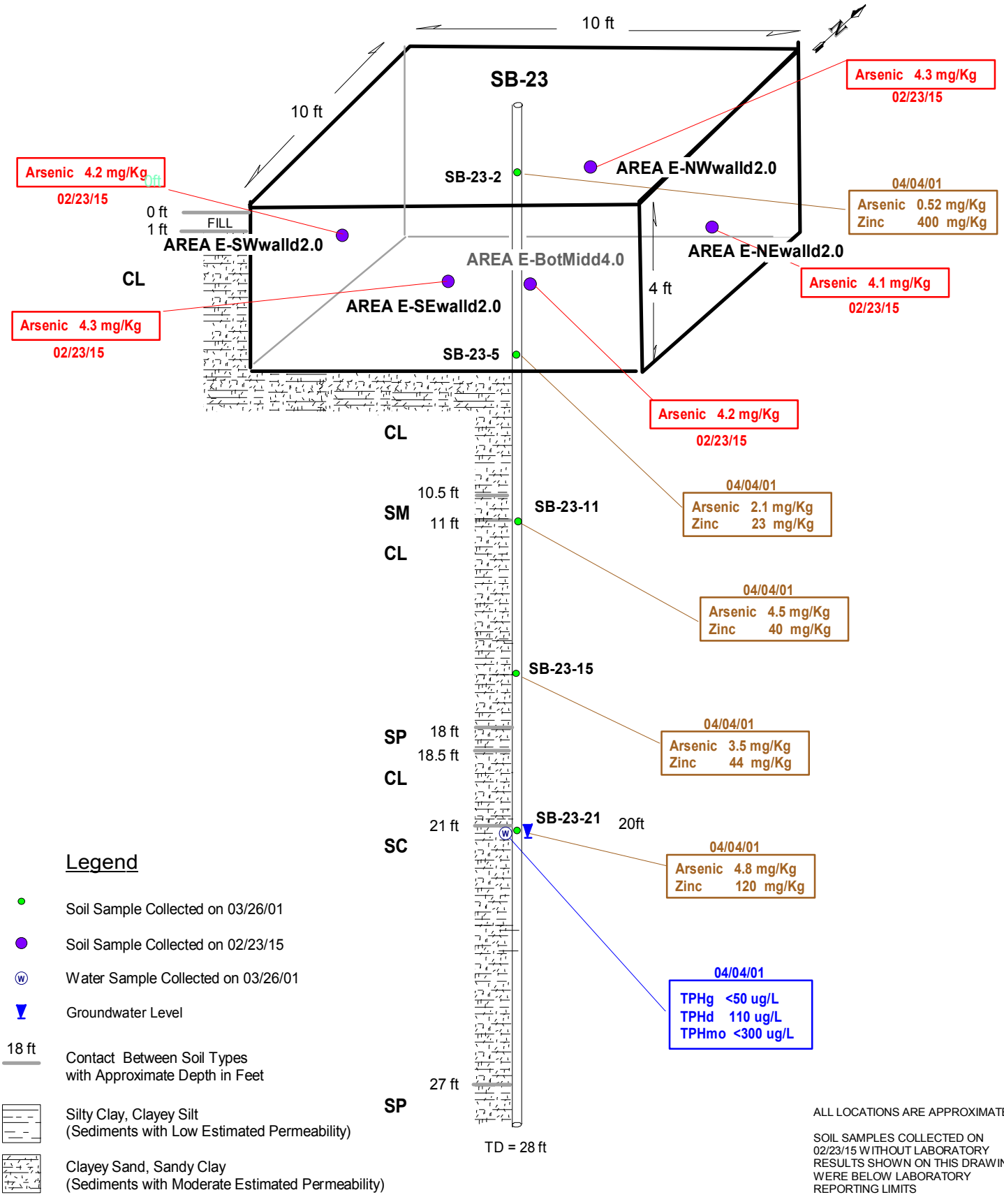
AREA "D" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 7

File: 4409/Figure 7



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AREA "E" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 8

File: 4409/Figure 8

TABLE 1A
SUMMARY OF CURRENT HYDROCARBON SOIL ANALYTICAL DATA
BATARSE PROPERTY
10550 INTERNATIONAL BLVD. AND 1424 & 1560 105th AVE.
OAKLAND, CALIFORNIA

Sample ID	Sample Depth (ft.)	Sample Date	TPHg (mg/Kg)	TPHd (mg/Kg)	TPHmo (mg/Kg)	B (mg/Kg)	T (mg/Kg)	E (mg/Kg)	X (mg/Kg)	MtBE (mg/Kg)
AREA A-NEwalld6.5	6.5	02/23/15	ND<0.20	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-NEwalld10.0	10.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-NWwalld6.5	6.5	02/23/15	**0.31**	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-NWwalld10.0	10.0	02/23/15	ND<2.0	**1.8**	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-SWwalld6.5	6.5	02/23/15	**0.13**	**1.8**	**4.7**	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-SWwalld10.0	10.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-SEwalld6.5	6.5	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-SEwalld10.0	10.0	02/23/15	**0.18**	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-BotMidd10.0	10.0	02/23/15	ND<2.0	**1.7**	**4.6**	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA B-NWwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA B-NEwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA B-SWwalld4.0	4.0	02/23/15	ND<1.0	**1.7**	**10**	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA B-SEwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA B-BotMidd5.0	5.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA C-NWwalld4.0	4.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA C-NEwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA C-SWwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA C-SEwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA C-BotMidd5.0	5.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA D-NWwalld5.0	5.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA D-NEwalld5.0	5.0	02/23/15	ND<1.0	**2.3**	**3.8**	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA D-SWwalld5.0	5.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA D-SEwalld5.0	5.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA D-BotMidd10.0	10.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
Residential ESL			**100**	**100**	**500**	**0.044**	**2.9**	**3.3**	**2.3**	**0.023**
Comm./Industrial ESL			**500**	**500**	**2,500**	**0.044**	**2.9**	**3.3**	**2.3**	**0.023**
Residential LTCP (0 to 5 ft)			**NA**	**NA**	**NA**	**1.900**	**NA**	**21**	**NA**	**NA**

Notes:

<0.5 / ND = Not present at or above reporting detection limit

Highlighted: Highest concentrations each Area after excavations

mg/Kg = micrograms per kilogram = parts per million = ppm
ESLs = Environmental Screening Levels shallow soil (potential source of drinking water): Summary Table A, May 2013
TPHg =Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel (with Silica Gel cleanup)
TPHmo = Total Poetroleum Hydrocarbons as moto oil (with Silica Gel Cleanup)
B = Benzene T = Toluene
E = Ethylbenzene X = Xylenes (total)
MtBE = Methyl t-butyl ether LTCP = Low Threat Closure Policy

TABLE 1B
SUMMARY OF CURRENT METALS SOIL ANALYTICAL DATA
BATARSE PROPERTY
10550 INTERNATIONAL BLVD. AND 1424 & 1560 105th AVE.
OAKLAND, CALIFORNIA

Sample ID	Sample Depth (ft.)	Sample Date	Lead (mg/Kg)	Arsenic (mg/Kg)	Chrom VI (mg/Kg)	Total Chrom (mg/Kg)	Zinc (mg/Kg)
AREA A-NEwalld6.5	6.5	02/23/15	7.3	---	---	---	---
AREA A-NEwalld10.0	10.0	02/23/15	8.3	---	---	---	---
AREA A-NWwalld6.5	6.5	02/23/15	8.8	---	---	---	---
AREA A-NWwalld10.0	10.0	02/23/15	8.0	---	---	---	---
AREA A-SWwalld6.5	6.5	02/23/15	7.6	---	---	---	---
AREA A-SWwalld10.0	10.0	02/23/15	7.8	---	---	---	---
AREA A-SEwalld6.5	6.5	02/23/15	7.8	---	---	---	---
AREA A-SEwalld10.0	10.0	02/23/15	8.1	---	---	---	---
AREA A-BotMidd10.0	10.0	02/23/15	8.6	---	---	---	---
AREA E-NEwalld2.0	2.0	02/23/15	66	4.1	---	---	100
AREA E-NWwalld2.0	2.0	02/23/15	14	4.3	---	---	78
AREA E-SWwalld2.0	2.0	02/23/15	11	4.2	---	---	43
AREA E-SEwalld2.0	2.0	02/23/15	25	4.3	---	---	70
AREA E-BotMidd4.0	4.0	02/23/15	6.9	4.2	---	---	43
AREA 4-B-1d3.0	3.0	02/23/15	---	---	0.88	32	---
Residential ESL			80	0.39	8.0	NA	600
Comm./Industrial ESL			320	0.96	8.0	NA	600
Residential CHHSL			150	0.07	17	NA	23,000
Comm./Industrial CHHSL			3500	0.24	37	NA	100,000

Notes:

--- = Parameter not analyzed

<0.5 / ND = Not present at or above reporting detection limit

mg/Kg = micrograms per kilogram = parts per million = ppm

ESLs = Environmental Screening Levels shallow soil (potential source of drinking water): Summary Table A, May 2013

CHHSL California Human Health Screening Level - January 2005.

Highlighted: Highest concentrations each Area after excavations

ATTACHMENT F

Recompilation of LRF Borings, Sampling, and Analytical Data

(Corresponding with Attachment C LRF Data)

Case No. RO3195 Soil Analytical Data - LFR 2001 PEA - TPH, VOCs, SVOCs - SF Bay 2016 Direct Exposure ESLs Shown in Red

LFR Area	Boring #	APN	Depth (feet bgs)	TPH-g (mg/kg) ESL: 770	TPH-d (mg/kg) ESL: 240	TPH-mo (mg/kg) ESL: 11000	TPH-ms (mg/kg) No ESL	TPH-ss (mg/kg) ESL: 170	VOCs (mg/kg)	SVOC (mg/kg)
1	BASB026	47-5519-5-1	3.5	ND	6.3	11	ND	NA	NA	NA
1	BASB026	47-5519-5-1	9.5	ND	22	ND	ND	NA	NA	NA
1	BASB026	47-5519-5-1	24.5	ND	5.5	ND	ND	NA	NA	NA
1	BASB027	47-5509-10	3.5	ND	35	120	ND	NA	NA	NA
1	BASB027	47-5509-10	9.5	ND	9.7	ND	ND	NA	NA	NA
1	BASB027	47-5509-10	24.5	ND	26	ND	ND	NA	NA	NA
1	BASB028	47-5509-10	0-5	ND	24	58	ND	NA	NA	NA
1	BASB028	47-5509-10	6.5	ND	18	ND	ND	NA	NA	NA
1	BASB028	47-5509-10	24.5	ND	20	ND	ND	NA	NA	NA
1	BASB029	47-5509-10	3.5	ND	18	5.5	ND	NA	ND	NA
1	BASB029	47-5509-10	9.5	ND	40	5.3	ND	NA	ND	NA
1	BASB029	47-5509-10	24.5	ND	ND	ND	ND	NA	ND	NA
1	BASB030	47-5509-10	4.5	ND	15	ND	ND	NA	ND	NA
1	BASB030	47-5509-10	9.5	ND	16	ND	ND	NA	ND	NA
1	BASB030	47-5509-10	24.5	ND	18	ND	ND	NA	ND	NA
1	BASB031	47-5509-41	3.5	ND	8.5	12	ND	NA	NA	NA
1	BASB031	47-5509-41	9.5	490	79	5.7	530	250	NA	NA
1	BASB031	47-5509-41	22.5	80	49	36	87	40	NA	NA
1	BASB032	47-5509-41	3.5	ND	33	69	ND	ND	NA	NA
1	BASB032	47-5509-41	9.0	ND	20	ND	ND	NA	NA	NA
1	BASB032	47-5509-41	14.5	ND	8.6	ND	ND	NA	NA	NA
1	BASB033	47-5509-41	3.5	ND	83	240	ND	NA	NA	NA
1	BASB033	47-5509-41	9.5	ND	27	ND	ND	NA	NA	NA
1	BASB033	47-5509-41	24.5	ND	5.8	ND	ND	NA	NA	NA
1	BASB034	47-5509-41	3.5	ND	5	18	ND	NA	NA	NA
1	BASB034	47-5509-41	6.25	ND	8.1	ND	ND	NA	NA	NA
1	BASB034	47-5509-41	24.5	ND	16	ND	ND	NA	NA	NA
1	BASB036	47-5519-5-1	3.5	ND	160	630	ND	NA	ND	NA
1	BASB036	47-5519-5-1	9.5	ND	20	ND	ND	NA	ND	NA
1	BASB036	47-5519-5-1	24.5	ND	21	ND	ND	NA	ND	NA
1	BASB037	47-5519-5-1	4.5	ND	17	72	ND	NA	ND	NA
1	BASB037	47-5519-5-1	9.5	ND	9.1	ND	ND	NA	ND	NA

Highest Remaining Concentrations after RO3151 Excavation

Area A Excavated 2/23/2015

TPH-g: 0.31 mg/kg
TPH-d: 1.8 mg/kg
TPH-mo: 4.7 mg/kg

Highest Remaining Concentrations after RO3151 Excavation

Area B Excavated 2/23/2015

TPH-g: ND
TPH-d: 1.7 mg/kg
TPH-mo: 10 mg/kg

Case No. RO3195 Soil Analytical Data - LFR 2001 PEA - TPH, VOCs, SVOCs - SF Bay 2016 Direct Exposure ESLs Shown in Red

LFR Area	Boring #	APN	Depth (feet bgs)	TPH-g (mg/kg) ESL: 770	TPH-d (mg/kg) ESL: 240	TPH-mo (mg/kg) ESL: 11000	TPH-ms (mg/kg) No ESL	TPH-ss (mg/kg) ESL: 170	VOCs (mg/kg)	SVOC (mg/kg)
1	BASB037	47-5519-5-1	24.5	ND	11	ND	ND	NA	ND	NA
1	BASB070	47-5509-41	3	ND	5.6	51	NA	NA	NA	NA
1	BASB070	47-5509-41	9.5	ND	1.1	ND	NA	NA	NA	NA
1	BASB070	47-5509-41	24.5	ND	ND	ND	NA	NA	ND	NA
1	BASB071	47-5509-41	1.5	ND	33	85	NA	NA	NA	NA
1	BASB071	47-5509-41	6.5	ND	3.1	5.7	NA	NA	NA	NA
1	BASB071	47-5509-41	24.5	60	68	9.3	NA	NA	NA	NA
1	BASB072	47-5509-41	2	ND	30	76	NA	NA	NA	NA
1	BASB072	47-5509-41	5.5	ND	ND	ND	NA	NA	NA	NA
1	BASB072	47-5509-41	24.5	ND	ND	ND	NA	NA	NA	NA
1	BASB073	47-5519-5-1	2.5	ND	12	120	NA	NA	NA	NA
1	BASB073	47-5519-5-1	9.5	ND	ND	ND	NA	NA	NA	NA
1	BASB073	47-5519-5-1	24.5	ND	ND	ND	NA	NA	NA	NA
1	BASB074	47-5519-5-1	2.5	ND	2.2	13	NA	NA	NA	NA
1	BASB074	47-5519-5-1	9.5	ND	ND	ND	NA	NA	NA	NA
1	BASB074	47-5519-5-1	24.5	ND	ND	ND	NA	NA	NA	NA
1	BASB075	47-5519-5-1	6.5	ND	ND	ND	NA	NA	NA	NA
1	BASB075	47-5519-5-1	9.5	ND	ND	ND	NA	NA	NA	NA
1	BASB075	47-5519-5-1	24.5	ND	ND	ND	NA	NA	NA	NA
1	BASB076	47-5519-5-1	3.5	ND	9.8	25	NA	NA	NA	NA
1	BASB076	47-5519-5-1	6.5	ND	2.9	ND	NA	NA	NA	NA
1	BASB076	47-5519-5-1	24.5	ND	5.6	ND	NA	NA	NA	NA
1	BASB077	47-5519-5-1	3.5	ND	270	2200	NA	NA	ND	NA
1	BASB077	47-5519-5-1	9.5	ND	22	ND	NA	NA	NA	NA
1	BASB077	47-5519-5-1	24.5	ND	1.9	ND	NA	NA	NA	NA
1	BASB078	47-5519 5-1	3.5	ND	4.3	30	NA	NA	NA	NA
1	BASB078	47-5519 5-1	9.5	ND	ND	ND	NA	NA	NA	NA
1	BASB078	47-5519 5-1	24.5	ND	ND	ND	NA	NA	NA	NA
1	BASB082	47-5519-5-1	1.5	ND	1.1	7.5	NA	NA	ND	ND
1	BASB082	47-5519-5-1	11.5	ND	ND	13	NA	NA	ND	ND
1	BASB082	47-5519-5-1	19.5	ND	ND	10	NA	NA	ND	ND

Highest Remaining Concentrations after RO3151 Excavation

Area C	
Excavated	
2/23/2015	
TPH-g:	**ND**
TPH-d:	**ND**
TPH-mo:	**ND**

Case No. RO3195 Soil Analytical Data - LFR 2001 PEA - TPH, VOCs, SVOCs - SF Bay 2016 Direct Exposure ESLs Shown in Red

LFR Area	Boring #	APN	Depth (feet bgs)	TPH-g (mg/kg) ESL: 770	TPH-d (mg/kg) ESL: 240	TPH-mo (mg/kg) ESL: 11000	TPH-ms (mg/kg) No ESL	TPH-ss (mg/kg) ESL: 170	VOCs (mg/kg)	SVOC (mg/kg)
2	BASB006	47-5509-9-1	1.5	ND	4.4	9.1	NA	NA	ND	NA
2	BASB006	47-5509-9-1	9.5	ND	ND	ND	NA	NA	ND	NA
2	BASB006	47-5509-9-1	26.5	ND	ND	ND	NA	NA	ND	NA
2	BASB007	47-5509-9-1	1.5	ND	2.3	5.6	NA	NA	ND	NA
2	BASB007	47-5509-9-1	9.5	ND	ND	ND	NA	NA	ND	NA
2	BASB007	47-5509-9-1	25.5	ND	ND	ND	NA	NA	ND	NA
2	BASB008	47-5509-9-1	3.5	ND	12	**22**	ND	NA	ND	NA
2	BASB008	47-5509-9-1	9.5	ND	**23**	ND	ND	NA	ND	NA
2	BASB008	47-5509-9-1	24.5	ND	18	ND	ND	NA	ND	NA
3	BASB040	47-5509-7	3.5	ND	3.7	5.1	NA	NA	NA	NA
3	BASB040	47-5509-7	9.5	ND	ND	ND	NA	NA	NA	NA
3	BASB040	47-5509-7	24.5	ND	1.1	ND	NA	NA	NA	NA
3	BASB041	47-5509-7	3.5	ND	9.5	**59**	ND	NA	NA	NA
3	BASB041	47-5509-7	9.5	ND	3.1	7.9	ND	NA	NA	NA
3	BASB041	47-5509-7	24.5	**3.6**	**23**	29	4.3	NA	NA	NA
4	BASB012	47-5509-4	3.5	NA	6.6	22	NA	NA	ND	NA
4	BASB012	47-5509-4	9.5	ND	5.5	ND	ND	NA	ND	NA
4	BASB012	47-5509-4	24.0	ND	ND	ND	ND	NA	ND	NA
4	BASB013	47-5509-4	2.5	ND	**27**	5.6	ND	NA	ND	NA
4	BASB013	47-5509-4	9.5	ND	ND	ND	ND	NA	ND	NA
4	BASB013	47-5509-4	14.5	ND	13	ND	ND	NA	ND	NA
4	BASB016	47-5509-4	2	ND	12	**32**	NA	NA	ND	NA
4	BASB016	47-5509-4	9.5	ND	ND	ND	NA	NA	ND	NA
4	BASB016	47-5509-4	24.5	ND	ND	ND	NA	NA	ND	NA
5	BASB022	47-5509-3	4.5	ND	970	1300	NA	NA	ND	NA
5	BASB022	47-5509-3	9.5	ND	600	300	NA	NA	ND	NA
5	BASB022	47-5509-3	20.5	**2.5**	14	13	NA	NA	ND	NA

Highest Remaining Concentrations after RO3151 Excavation

Area D	**TPH-g:**	**ND**
Excavated	**TPH-d:**	**2.3 mg/kg**
2/23/2015	**TPH-mo:**	**3.8 mg/kg**

Case No. RO3195 Soil Analytical Data - LFR 2001 PEA - TPH, VOCs, SVOCs - SF Bay 2016 Direct Exposure ESLs Shown in Red

LFR Area	Boring #	APN	Depth (feet bgs)	TPH-g (mg/kg) ESL: 770	TPH-d (mg/kg) ESL: 240	TPH-mo (mg/kg) ESL: 11000	TPH-ms (mg/kg) No ESL	TPH-ss (mg/kg) ESL: 170	VOCs (mg/kg)	SVOC (mg/kg)
5	BASB023	47-5509-3	1.5	ND	11	63	NA	NA	NA	NA
5	BASB023	47-5509-3	10.5	ND	ND	ND	NA	NA	NA	NA
5	BASB023	47-5509-3	20.5	ND	**24**	**150**	NA	NA	NA	NA
5	BASB024	47-5519-5-1	1.5	ND	3.9	39	NA	NA	NA	NA
5	BASB024	47-5519-5-1	9.5	ND	ND	9.1	NA	NA	NA	NA
5	BASB024	47-5519-5-1	14.5	ND	ND	ND	NA	NA	NA	NA
5	BASB025	47-5509-1-1	3.5	ND	1.4	10	NA	NA	NA	NA
5	BASB025	47-5509-1-1	9.5	ND	ND	ND	NA	NA	NA	NA
5	BASB025	47-5509-1-1	24.5	ND	ND	ND	NA	NA	NA	NA
5	BASB086	47-5519-5-1	1.5	ND	2.5	33	NA	NA	NA	NA
5	BASB086	47-5519-5-1	9.5	ND	ND	8.2	NA	NA	NA	NA
5	BASB086	47-5519-5-1	19.5	ND	ND	ND	NA	NA	NA	NA
5	BASB087	47-5509-1-1	3.5	ND	9.3	45	NA	NA	NA	NA
5	BASB087	47-5509-1-1	9.5	ND	ND	ND	NA	NA	NA	NA
5	BASB087	47-5509-1-1	24.5	ND	ND	ND	NA	NA	NA	NA

Highest Remaining Concentrations after RO3151 Excavation

Area E	**TPH-g: 2.5 mg/kg**
Excavated	**TPH-d: 24 mg/kg**
2/23/2015	**TPH-mo: 150 mg/kg**

Notes:

Red= Highest concentrations of each constituent detected in each of LFR Areas 1 through 5

mg/kg = milligrams per kilogram

TPG-g = Total petroleum hydrocarbons as gasoline

TPG-d = Total petroleum hydrocarbons as diesel

TPG-mo = Total petroleum hydrocarbons as motor oil

TPG-ss = Total petroleum hydrocarbons as stoddard solvent

SVOCs = Semi-volatile Organic Compounds

VOCs = Volatile Organic Compounds

APN = Assessors Parcel Number

ND = not detected above laboratory reporting limits for analytes in group

NA = Not Analized

bgs = below ground surface

Case No. RO3195 Analytical Data - LFR 2001 PEA - Metals in Soil - SF Bay 2016 Direct Exposure ESLs Shown in Red Under the Constituent

Area	Borings	APN	Depth (feet bgs)	Arsenic (mg/kg) ESL: 0.067	Cadmium (mg/kg) ESL: .014	Chromium (mg/kg) ESL: 120000	Nickel (mg/kg) ESL: 83	Lead (mg/kg) ESL: 80	Zinc (mg/kg) ESL: 23000
1	BASB026	47-5509-10	4	3	1.7	28	46	22	46
1	BASB026	47-5509-10	10	2.7	1.5	33	45	6.1	36
1	BASB026	47-5509-10	25	3.8	1.7	38	57	6.1	37
1	BASB027	47-5509-10	4	5.4	2	28	41	74	140
1	BASB027	47-5509-10	10	3.2	1.5	29	45	6.3	35
1	BASB027	47-5509-10	25	2.8	1.5	33	58	5.2	34
1	BASB028	47-5509-10	1	7.8	1.8	29	43	**83**	120
1	BASB028	47-5509-10	10	2.9	1.6	29	44	5.9	35
1	BASB028	47-5509-10	25	2.6	1.5	29	53	5.4	31
1	BASB029	47-5509-10	4	4.3	2	38	60	6.8	49
1	BASB029	47-5509-10	10	2.6	1.5	32	44	5.6	40
1	BASB029	47-5509-10	25	3	1.4	34	46	4.4	37
1	BASB030	47-5509-10	5	3.6	2	29	46	4.5	38
1	BASB030	47-5509-10	10	4.9	1.9	38	57	7.1	46
1	BASB030	47-5509-10	25	4.6	1.7	34	61	6.7	38
1	BASB031	47-5509-41	4	3.2	1.9	33	57	8.5	45
1	BASB031	47-5509-41	10	2.3	1.7	35	54	8.1	40
1	BASB031	47-5509-41	25	2.8	1.4	26	54	5.3	30
1	BASB032	47-5509-41	4	2.9	1.5	28	46	7.5	38
1	BASB032	47-5509-41	9.5	3	1.7	33	54	8.2	39
1	BASB032	47-5509-41	25	2.8	1.6	28	58	5.4	33
1	BASB033	47-5509-41	4	6	2.7	30	44	**160**	430
1	BASB033	47-5509-41	10	3.1	1.6	31	41	5.6	36
1	BASB033	47-5509-41	25	3	1.8	38	61	5.7	39
1	BASB034	47-5509-41	4	5.7	2	29	46	24	85
1	BASB034	47-5509-41	10	2.9	1.4	26	38	6.6	32
1	BASB034	47-5509-41	25	3	1.5	29	42	5.9	32
1	BASB036	47-5519-5-2	4	0.68	3.1	2.1	19 j	4.9	64 j
1	BASB036	47-5519-5-2	10	3.5	1.9	35	53 j	6.2	41 j
1	BASB036	47-5519-5-2	25	3.5	1.7	38	50 j	5.2	39 j
1	BASB037	47-5519-5-2	5	2.6	1.6	35	47 j	14	57 j

Case No. RO3195 Analytical Data - LFR 2001 PEA - Metals in Soil - SF Bay 2016 Direct Exposure ESLs Shown in Red Under the Constituent

Area	Borings	APN	Depth (feet bgs)	Arsenic (mg/kg) ESL: 0.067	Cadmium (mg/kg) ESL: .014	Chromium (mg/kg) ESL: 120000	Nickel (mg/kg) ESL: 83	Lead (mg/kg) ESL: 80	Zinc (mg/kg) ESL: 23000
1	BASB037	47-5519-5-2	10	3.1	1.9	35	60 j	6.1	41 j
1	BASB037	47-5519-5-2	25	4.1	1.9	33	51	27	70 j
1	BASB070	47-5509-41	3.5	4.1	1.9	33	51	27	70 j
1	BASB070	47-5509-41	10	2.5	1.3	25	50	5.4	32
1	BASB070	47-5509-41	25	2.4	1.3	26	47	4.8	31
1	BASB071	47-5509-41	2	4.1	2	26	38	**130**	240
1	BASB071	47-5509-41	10	3.5	1.6	33	56	6.6	37 j
1	BASB071	47-5509-41	25	3.4	1.5	34	54	5.9	35 j
1	BASB072	47-5509-41	2.5	4.7	1.9	30	44	44	110
1	BASB072	47-5509-41	10	2.9	1.3	26	40	4.4	27
1	BASB072	47-5509-41	25	3.4	1.5	28	58	5.4	30
1	BASB073	47-5519-5-2	5	2.9	1.5	27	46	4,4	33
1	BASB073	47-5519-5-2	10	2	0.93	17	34	3.9	24
1	BASB073	47-5519-5-2	25	3.3	1.4	26	50	5.6	31
1	BASB074	47-5519-5-2	3	4	1.9	30	53	5.8	41
1	BASB074	47-5519-5-2	10	1.8	0.99	19	29	4	24
1	BASB074	47-5519-5-2	25	2.8	1.4	26	48	8.1	28
1	BASB075	47-5519-5-2	7	3.2	1.5	26	42	5.4	33
1	BASB075	47-5519-5-2	10	3.3	1.6	28	60	7.1	33
1	BASB075	47-5519-5-2	25	3.6	1	22	31	3.4	25
1	BASB076	47-5519-5-2	4	6.5	1.9	31	47	12	49 j
1	BASB076	47-5519-5-2	10	3.6	1.7	35	51	5.7	39 j
1	BASB076	47-5519-5-2	25	4.4	1.8	38	58	6	38 J
1	BASB077	47-5519-5-2	4	2.9	1.5	23	32	30	55 j
1	BASB077	47-5519-5-2	10	4.8	1.8	39	53	6	41 j
1	BASB077	47-5519-5-2	25	4.5	1.6	36	55	5.6	34 j
1	BASB078	47-5519-5-2	4	3.9	1.8	29	46	20	50
1	BASB078	47-5519-5-2	10	2.2	1.3	26	35	4.6	30
1	BASB078	47-5519-5-2	25	3.6	1.5	30	51	5.9	32
1	BASB082	47-5519-5-2	2	4.1	1.3	21	32	9.6	36
1	BASB082	47-5519-5-2	12	2.6	1.2	25	41	4.6	31

Case No. RO3195 Analytical Data - LFR 2001 PEA - Metals in Soil - SF Bay 2016 Direct Exposure ESLs Shown in Red Under the Constituent

Area	Borings	APN	Depth (feet bgs)	Arsenic (mg/kg) ESL: 0.067	Cadmium (mg/kg) ESL: .014	Chromium (mg/kg) ESL: 120000	Nickel (mg/kg) ESL: 83	Lead (mg/kg) ESL: 80	Zinc (mg/kg) ESL: 23000
1	BASB082	47-5519-5-2	20	3.2	1.4	27	41	5	35
2	BASB006	47-5509-9-1	2	2.6	1.6	15	2.9	4.2	34 j
2	BASB006	47-5509-9-1	10	4	1.7	34	52	5.6	38 j
2	BASB006	47-5509-9-1	27	2.6	1.4	29	48	4.3	32 j
2	BASB007	47-5509-9-1	2	5.6	1.7	30	45	6.7	35 j
2	BASB007	47-5509-9-1	10	3.3	1.7	35	54	5.9	41 j
2	BASB007	47-5509-9-1	26	3.3	1.6	34	51	5	36 j
2	BASB008	47-5509-10	4	4.5	2.1	36	53 j	26	76 j
2	BASB008	47-5509-10	10	3.3	1.7	39	57 j	6.9	40 j
2	BASB008	47-5509-10	25	2.5	1.5	35	48 j	4.9	35 j
3	BADW001	47-5509-9-1	.						
3	BADW001	47-5509-9-1	.						
3	BADW001	47-5509-9-1	.						
3	BASB040	47-5509-9-1	4	2.6	1.1	18	35	3.9	25
3	BASB040	47-5509-9-1	10	2.5	1.3	24	45	5	31
3	BASB040	47-5509-9-1	25	3.3	1.5	32	46	4.6	34
3	BASB041	47-5509-9-1	4	2.7	1.4	25	32	28	36
3	BASB041	47-5509-9-1	10	2.5	1.4	31	46	5.6	36
3	BASB041	47-5509-9-1	25	3.6	1.4	36	52	6.3	34
4	BASB012	47-5509-4	4	1.1	2.7	5.1	20	17	93
4	BASB012	47-5509-4	10	3.4	1.9	37	59	6.2	43
4	BASB012	47-5509-4	24.5	3.3	1.9	37	67	6	42
4	BASB013	47-5509-3	3	1.3	2.2	160	94	1.9	21
4	BASB013	47-5509-3	10	3.2	2.1	31	56	5.9	43
4	BASB013	47-5509-3	15	2.7	2.1	29	46	4.8	41
4	BASB016	47-5509-4	2.5	2.6	1.4	19	29	60	81
4	BASB016	47-5509-4	10	2.7	1.3	25	37	4.4	27
4	BASB016	47-5509-4	25	2.8	1.5	30	53	5	31
5	BASB022	47-5509-1-1	2	5.4	2.2	33	54	31	64
5	BASB022	47-5509-1-1	10	3.9	1.7	16	26	23	84
5	BASB022	47-5509-1-1	21	4.3	1.6	28	45	6.9	39

Remaining after RO3151 2015 Excavation

Arsenic:	**4.3 mg/kg**
Lead:	**66 mg/kg**
Zinc:	**100 mg/kg**

Area E

Case No. RO3195 Analytical Data - LFR 2001 PEA - Metals in Soil - SF Bay 2016 Direct Exposure ESLs Shown in Red Under the Constituent

Area	Borings	APN	Depth (feet bgs)	Arsenic (mg/kg) ESL: 0.067	Cadmium (mg/kg) ESL: .014	Chromium (mg/kg) ESL: 120000	Nickel (mg/kg) ESL: 83	Lead (mg/kg) ESL: 80	Zinc (mg/kg) ESL: 23000	
5	BASB023	47-5509-1-1	2	33	2.3	11	17	130	400	**Excavated**
5	BASB023	47-5509-1-1	11	4.5	2	37	55	6.5	40	**2/23/2015**
5	BASB023	47-5509-1-1	21	4.8	2	38	49	33	120	
5	BASB024	47-5519-5-2	2	3	1.5	25	40	17	47	
5	BASB024	47-5519-5-2	4	4.1	1.9	33	50	6.4	41	
5	BASB024	47-5519-5-2	10	3.5	2	35	57	6.3	47	
5	BASB024	47-5519-5-2	22	2.9	1.4	31	38	6.1	92	
5	BASB025	47-5509-1-1	4	3.9	1.7	25	35	18	110	
5	BASB025	47-5509-1-1	10	3.5	1.7	30	48	5.7	40	
5	BASB025	47-5509-1-1	25	2.5	1.5	29	49	4.9	31	
5	BASB086	47-5519-5-2	2	0.87	3	3.2	18	3.4	71	
5	BASB086	47-5519-5-2	10	3.5	1.5	28	41	4.8	31	
5	BASB086	47-5519-5-2	20	3.3	1.9	34	55	5.8	43	
5	BASB087	47-5509-1-1	4	3.3	2.8	5.8	18	14	92	
5	BASB087	47-5509-1-1	10	2.8	1.5	27	47	4.8	34	
5	BASB087	47-5509-1-1	15	4.2	1.7	31	48	5.8	36	
			Average PPM:	3.67	1.69	30.12	42.69	14.36	44.12	
			High:	7.8						

Notes:

--- = No borings

mg/kg = milligrams per kilograms

APN = Assessors Parcel Number

bgs = below ground surface

Red = Sample exceeds Residential ESL - Direct Exposure

Case No. RO3195 Analytical Data - LFR 2001 PEA - TPH, VOCs, SVOCs in Groundwater

Area	Boring #	APN	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	TPH-ms (µg/L)	TPH-ss (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Other VOCs (µg/L)	SVOCs (µg/L)
1	BASB026	47-5519-5-1	<50	130/140	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB027	47-5509-10	<50	<50	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB028	47-5509-10	<50	<50	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB029	47-5509-10	<50	<50	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB030	47-5509-10	<50	<50	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB031	47-5509-41	610	800	<300	920	320	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB032	47-5509-41	<50	61	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB033	47-5509-41	<50	<50	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB034	47-5509-41	<50	<50	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB036	47-5519-5-1	<50	73	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB037	47-5519-5-1	<50	100	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB070	47-5509-41	<50	<50	NA	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB071	47-5509-41	320	150	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB072	47-5509-41	<50	80	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	11 (CF)	3.1 (DEHP)
1	BASB073	47-5519-5-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB074	47-5519-5-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB075	47-5519-5-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB076	47-5519-5-1	<50	530	530	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB077	47-5519-5-1	<50	52	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB078	47-5519-5-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
1	BASB082	47-5519-5-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
2	BASB006	47-5509-9-1	<50	<50	<300	<50	NA	ND	2.3	<0.5	<0.5	<0.5	ND	ND
2	BASB007	47-5509-9-1	<50	70	<300	<50	NA	ND	0.5	<0.5	<0.5	<0.5	ND	ND
2	BASB008	47-5509-9-1	<50	150	<300	<50	NA	ND	1.2	<0.5	<0.5	<0.5	ND	ND
3	BADW001	47-5509-7	<50	<50	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
3	BASB040	47-5509-7	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
3	BASB041	47-5509-7	<50	120	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
4	BASB012	47-5509-4	<50	61	<300	<50	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
4	BASB013	47-5509-4	---	---	---	---	---	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
4	BASB016	47-5509-4	<50	71/61	<300	NA	NA	ND	0.9/1.6	<0.5	<0.5	<0.5	ND	ND
4	---	47-5509-5	---	---	---	---	---	ND	<0.5	<0.5	<0.5	<0.5	ND	ND

Case No. RO3195 Analytical Data - LFR 2001 PEA - TPH, VOCs, SVOCs in Groundwater

Area	Boring #	APN	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	TPH-ms (µg/L)	TPH-ss (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Other VOCs (µg/L)	SVOCs (µg/L)
4	---	47-5509-6	---	---	---	---	---	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
5	BASB022	47-5509-3	<50	110	<300	NA	NA	ND	<0.5	<0.5	<0.5	16	ND	ND
5	BASB023	47-5509-3	<50	310	1100	NA	NA	ND	<0.5	<0.5	<0.5	1.1	0.8 (CS2)	ND
5	BASB025	47-5509-1-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	1.3	ND	ND
5	BASB087	47-5509-1-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	0.5	ND	ND
5	BASB024	47-5519-5-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	<0.5	<0.5	ND	ND
5	BASB086	47-5519-5-1	<50	<50	<300	NA	NA	ND	<0.5	<0.5	0.5	<0.5	ND	ND

Notes:

Red= Highest concentrations detected at each sample point

--- No borings

ND = Concentrations not detected above reporting limits for all analytes in group

CS2 = Carbon Disulfide

CF = Chloroform

DEHP = Bis(2-Ethylhexyl) phthalate

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

TPG-g = Total petroleum hydrocarbons as gasoline

TPG-d = Total petroleum hydrocarbons as diesel

TPG-mo = Total petroleum hydrocarbons as motor oil

TPG-ms = Total petroleum hydrocarbons as mineral spirits

TPG-ss = Total petroleum hydrocarbons as stoddard solvent

SVOCs Semi-volatile Organic Compounds

VOCs Volatile Organic Compounds

MTBE methyl tert-butyl ether

Case No. RO3195 Analytical Data - LFR 2001 PEA - Metals in Groundwater

Area	Borings	APN	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	Nickel (µg/L)	Zinc (µg/L)	Arsenic (µg/L)
1	BASB026	47-5519-5-1	ND	ND	ND	130	ND	ND
1	BASB027	47-5509-10	ND	ND	ND	ND	ND	ND
1	BASB028	47-5509-10	ND	ND	ND	ND	ND	ND
1	BASB029	47-5509-10	ND	ND	ND	ND	ND	ND
1	BASB030	47-5509-10	ND	ND	ND	ND	ND	ND
1	BASB031	47-5509-41	ND	ND	ND	ND	ND	ND
1	BASB032	47-5509-41	ND	ND	ND	ND	ND	ND
1	BASB033	47-5509-41	ND	ND	ND	ND	ND	ND
1	BASB034	47-5509-41	ND	ND	ND	ND	ND	ND
1	BASB036	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB037	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB070	47-5509-41	ND	ND	ND	ND	ND	ND
1	BASB071	47-5509-41	ND	ND	ND	ND	ND	ND
1	BASB072	47-5509-41	ND	ND	ND	ND	ND	ND
1	BASB073	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB074	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB075	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB076	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB077	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB078	47-5519-5-1	ND	ND	ND	ND	ND	ND
1	BASB082	47-5519-5-1	ND	ND	ND	ND	ND	ND
2	BASB006	47-5509-9-1	ND	ND	ND	ND	ND	ND
2	BASB007	47-5509-9-1	ND	ND	ND	ND	ND	ND
2	BASB008	47-5509-9-1	ND	ND	ND	ND	ND	ND
3	BADW001	47-5509-7	---	---	---	---	---	---
3	BASB040	47-5509-7	ND	ND	ND	ND	ND	ND
3	BASB041	47-5509-7	ND	ND	ND	ND	ND	ND
4	BASB012	47-5509-4	ND	ND	ND	<20J	<20J	ND
4	BASB013	47-5509-4	ND	ND	ND	ND	ND	ND
4	BASB016	47-5509-4	ND	ND	ND	33	ND	ND
4	---	47-5509-5	ND	ND	ND	ND	ND	ND
4	---	47-5509-6	ND	ND	ND	ND	ND	ND

Case No. RO3195 Analytical Data - LFR 2001 PEA - Metals in Groundwater

Area	Borings	APN	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	Nickel (µg/L)	Zinc (µg/L)	Arsenic (µg/L)
5	BASB022	47-5509-3	ND	ND	ND	**38**	ND	ND
5	BASB023	47-5509-3	ND	ND	ND	**69**	ND	ND
5	BASB024	47-5519-5-1	ND	ND	ND	ND	ND	ND
5	BASB025	47-5509-1-1	ND	ND	ND	**64**	ND	ND
5	BASB086	47-5519-5-1	ND	ND	ND	ND	ND	ND
5	BASB087	47-5509-1-1	ND	ND	ND	**39**	ND	ND

Notes:

Red= Constituents detected above lab detection limits

--- No borings

µg/L =-micrograms per liter

APN = Assessors Parcel Number

ND = analytes not detected above laboratory reporting limits

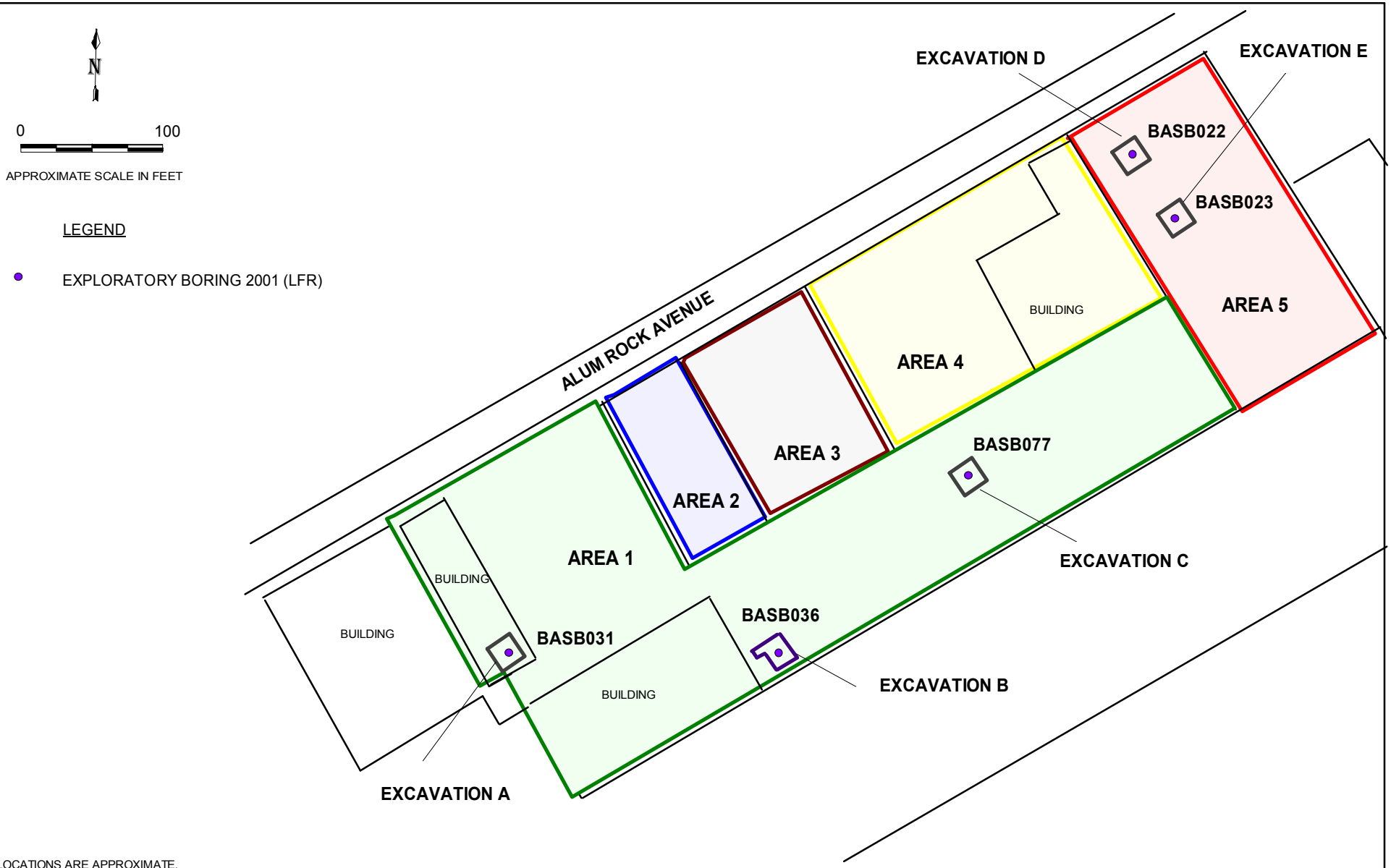
Summary of Soil ESLs (mg/kg)

Chemicals	CAS No.	Direct Exposure Human Health Risk Levels (Table S-1)			Leaching to Groundwater Levels (Table S-2)		Gross Contamination Levels (Table S-3)	Odor Nuisance Levels (Table S-4)			Soil Tier 1 ESL	Basis
		Res: Shallow Soil Exposure	Com/Ind: Shallow Soil Exposure	Any Land Use: Any Soil Depth Exposure (CW)	Drinking Water	Nondrinking Water		Res: Shallow Soil Exposure	Com/Ind: Shallow Soil Exposure	Any Land Use: Deep Soil Exposure (CW)		
Toxaphene	8001-35-2	5.1E-01	2.2E+00	1.4E+01	4.2E-04	4.2E-04	9.3E+01	5.0E+02	1.0E+03	1.0E+03	4.2E-04	Leaching
TPH gasoline	--	7.7E+02	4.1E+03	2.8E+03	7.7E+02	3.4E+03	1.0E+03	1.0E+02	5.0E+02	5.0E+02	1.0E+02	Nuis/Odor
TPH Stoddard solvent	--	1.7E+02	8.7E+02	6.3E+02	1.0E+03	6.5E+03	2.3E+03	1.0E+02	5.0E+02	5.0E+02	1.0E+02	Nuis/Odor
TPH diesel	--	2.4E+02	1.2E+03	9.0E+02	5.7E+02	3.6E+03	2.3E+03	5.0E+02	1.0E+03	1.0E+03	2.4E+02	Dir Exp
TPH motor oil	--	1.1E+04	1.4E+05	3.1E+04	--	--	5.1E+03	1.0E+02	5.0E+02	5.0E+02	1.0E+02	Nuis/Odor
Arsenic	7440-38-2	6.7E-02	3.1E-01	9.4E-01	--	--	--	--	--	--	6.7E-02	Dir Exp
Cadmium (soil)	7440-43-9	1.4E-02	5.8E-02	6.0E-05	--	--	--	--	--	--	6.0E-05	Dir Exp
Chromium III	16065-83-	1.2E+05	1.8E+06	5.1E+05	--	--	--	--	--	--	1.2E+05	Dir Exp
Nickel	7440-02-0	8.2E+02	1.1E+04	8.3E+01	--	--	--	--	--	--	8.3E+01	Dir Exp
Lead	7439-92-1	8.0E+01	3.2E+02	2.7E+03	--	--	--	--	--	--	8.0E+01	Dir Exp
Zinc	7440-66-6	2.3E+04	3.5E+05	1.0E+05	--	--	--	--	--	--	2.3E+04	Dir Exp

ATTACHMENT F

RO#3151 2015 Excavations, 3D Drawings, and Sample Tables

(Extracted from: “RO3151_EX_2015-04-03” – on file)



ALL LOCATIONS ARE APPROXIMATE.
BASEMAP FROM GOOGLE EARTH 2015

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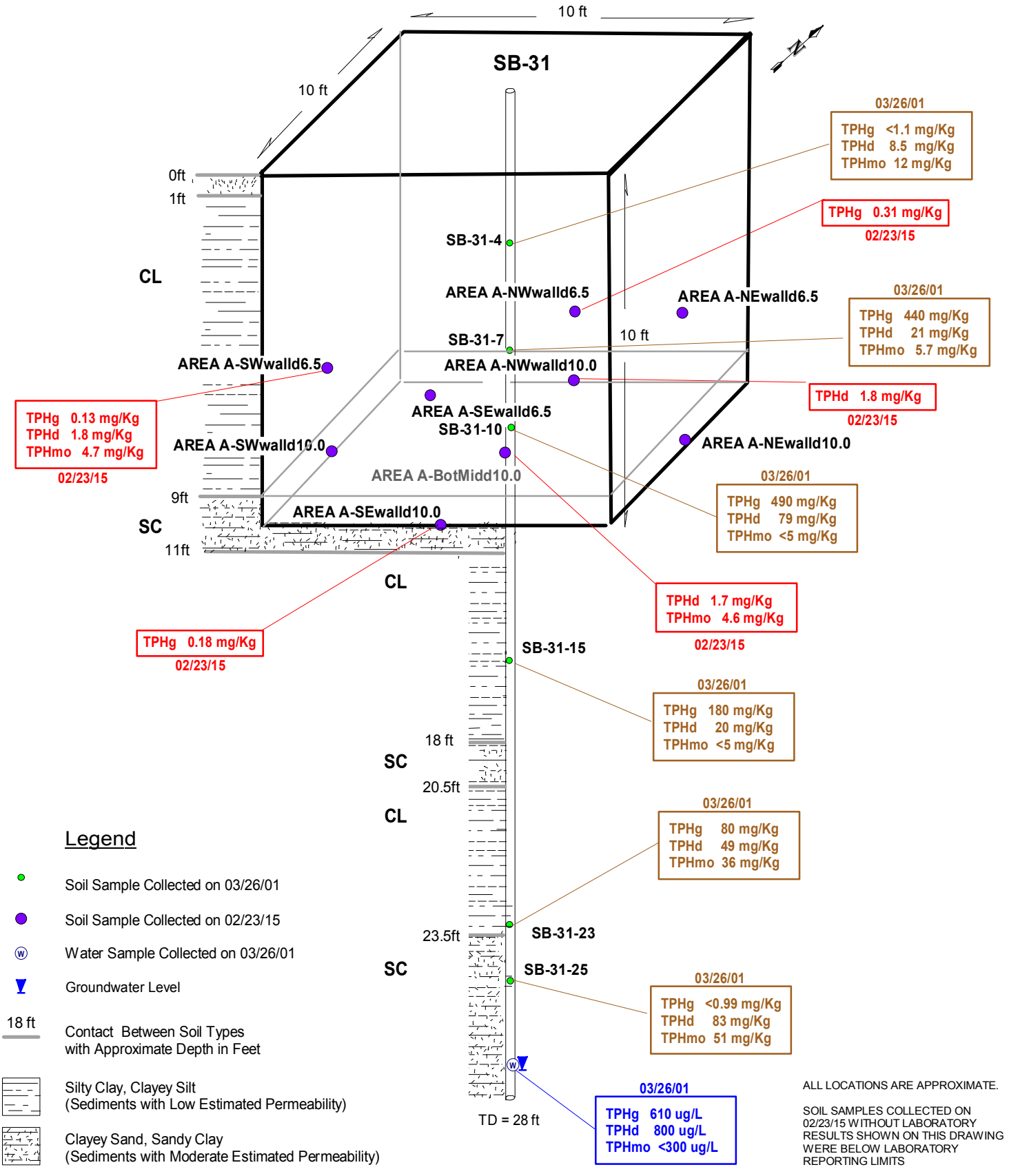
EXTENDED SITE MAP SHOWING STUDY AREAS 1 THROUGH 5 AND EXCAVATIONS A THROUGH E

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 3

File: 4409/Figure 3



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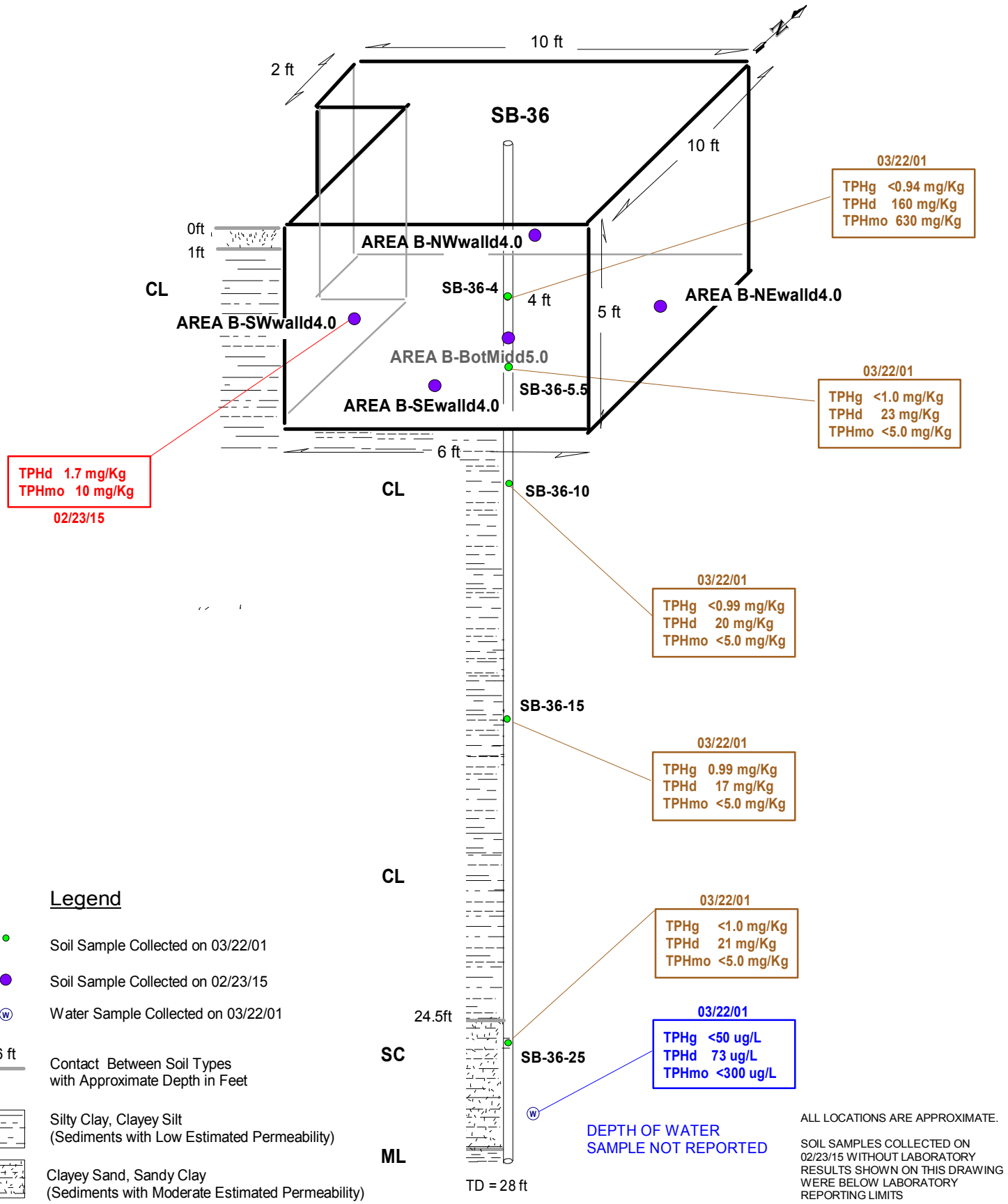
P.O. Box 8548
San Jose, CA 95155
Phone (408) 287-2175

AREA "A" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 4

File: 4409/Figure 4



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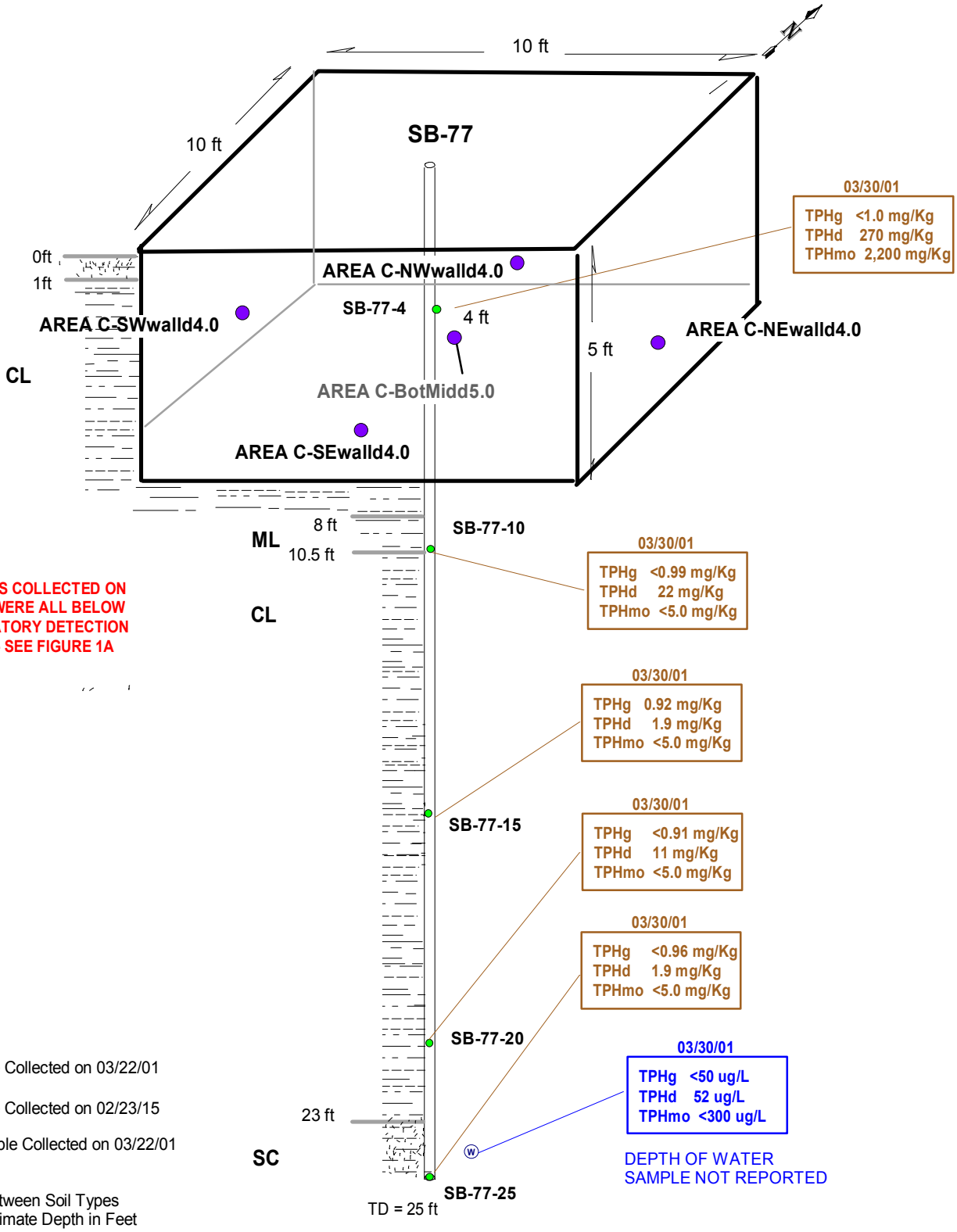
San Jose, CA 95155
Phone (408) 287-2175

AREA "B" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 5

File: 4409/Figure 4



ALL LOCATIONS ARE APPROXIMATE.

SOIL SAMPLES COLLECTED ON 02/23/15 WITHOUT LABORATORY RESULTS SHOWN ON THIS DRAWING WERE BELOW LABORATORY REPORTING LIMITS

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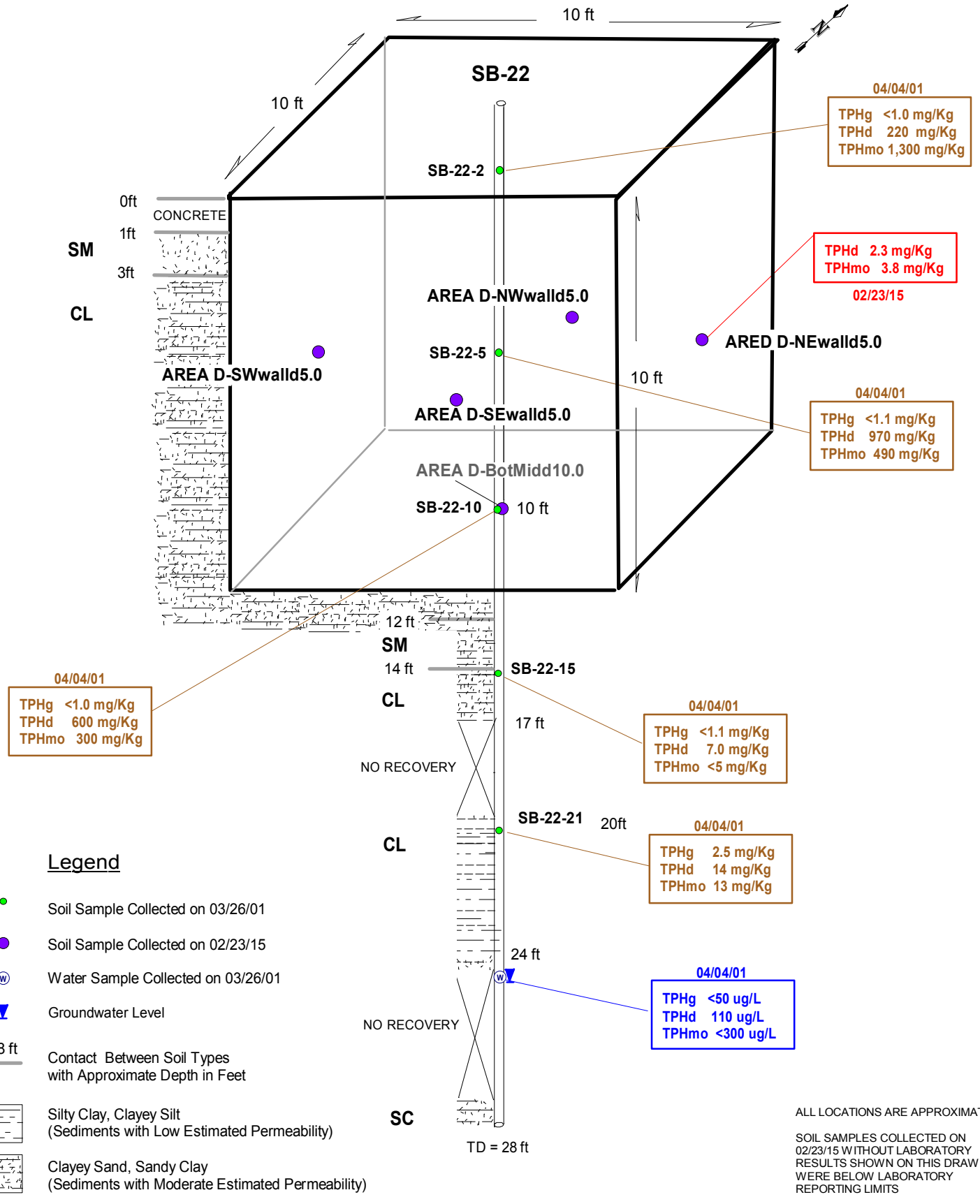
AREA "C" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 6

File: 4409/Figure 6



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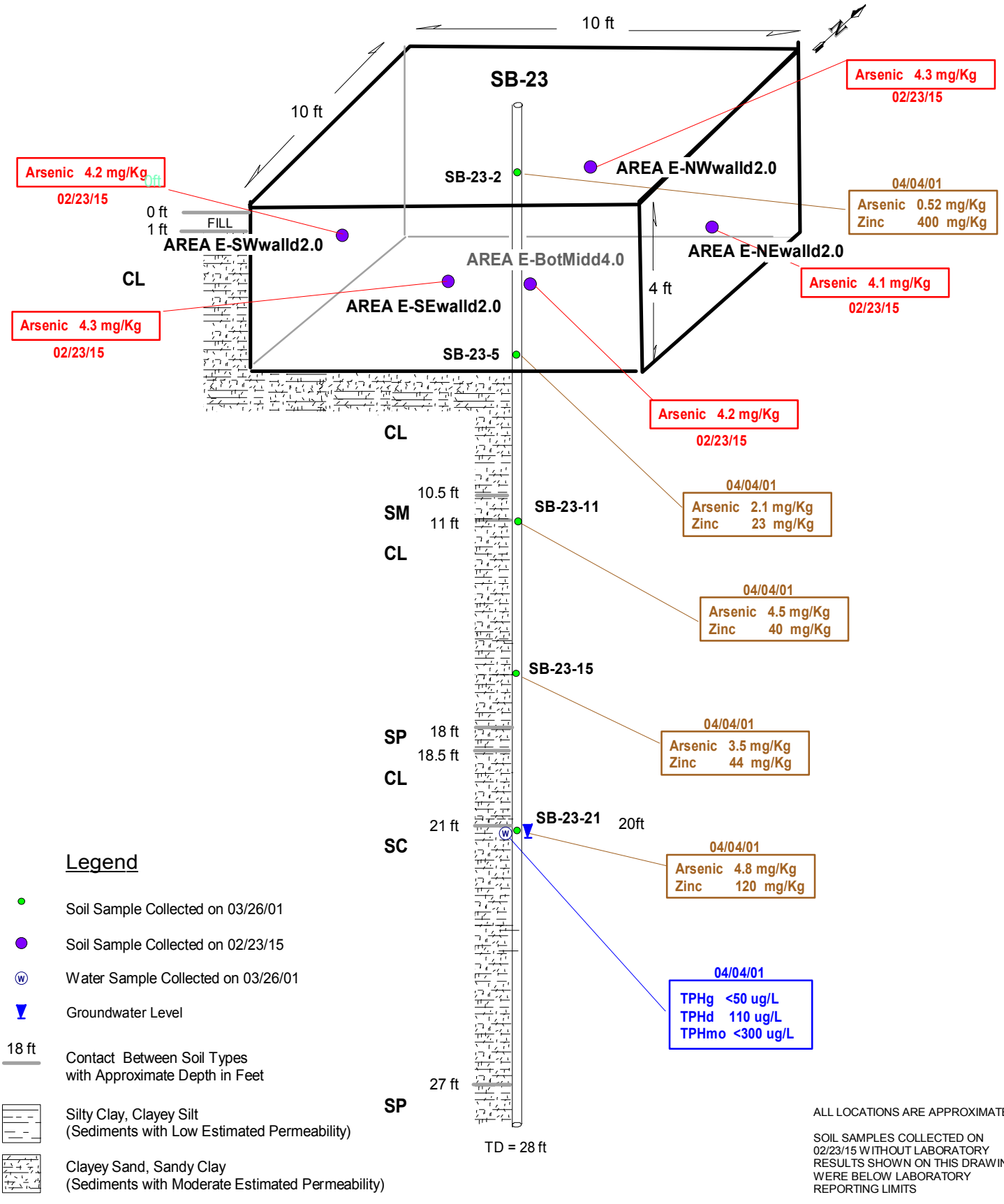
AREA "D" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 7

File: 4409/Figure 7



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P.O. Box 8548
San Jose, CA 95155
Phone (408) 287-2175

AREA "E" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 8

File: 4409/Figure 8

TABLE 1A
SUMMARY OF CURRENT HYDROCARBON SOIL ANALYTICAL DATA
BATARSE PROPERTY
10550 INTERNATIONAL BLVD. AND 1424 & 1560 105th AVE.
OAKLAND, CALIFORNIA

Sample ID	Sample Depth (ft.)	Sample Date	TPHg (mg/Kg)	TPHd (mg/Kg)	TPHmo (mg/Kg)	B (mg/Kg)	T (mg/Kg)	E (mg/Kg)	X (mg/Kg)	MtBE (mg/Kg)
AREA A-NEwalld6.5	6.5	02/23/15	ND<0.20	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-NEwalld10.0	10.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-NWwalld6.5	6.5	02/23/15	**0.31**	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-NWwalld10.0	10.0	02/23/15	ND<2.0	**1.8**	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-SWwalld6.5	6.5	02/23/15	**0.13**	**1.8**	**4.7**	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-SWwalld10.0	10.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-SEwalld6.5	6.5	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-SEwalld10.0	10.0	02/23/15	**0.18**	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA A-BotMidd10.0	10.0	02/23/15	ND<2.0	**1.7**	**4.6**	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA B-NWwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA B-NEwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA B-SWwalld4.0	4.0	02/23/15	ND<1.0	**1.7**	**10**	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA B-SEwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA B-BotMidd5.0	5.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA C-NWwalld4.0	4.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA C-NEwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA C-SWwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA C-SEwalld4.0	4.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA C-BotMidd5.0	5.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA D-NWwalld5.0	5.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA D-NEwalld5.0	5.0	02/23/15	ND<1.0	**2.3**	**3.8**	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
AREA D-SWwalld5.0	5.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA D-SEwalld5.0	5.0	02/23/15	ND<2.0	ND<2.0	ND<10.0	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005
AREA D-BotMidd10.0	10.0	02/23/15	ND<1.0	ND<2.0	ND<10.0	ND<0.025	ND<0.025	ND<0.025	ND<0.050	ND<0.025
Residential ESL			**100**	**100**	**500**	**0.044**	**2.9**	**3.3**	**2.3**	**0.023**
Comm./Industrial ESL			**500**	**500**	**2,500**	**0.044**	**2.9**	**3.3**	**2.3**	**0.023**
Residential LTCP (0 to 5 ft)			**NA**	**NA**	**NA**	**1.900**	**NA**	**21**	**NA**	**NA**

Notes:

<0.5 / ND = Not present at or above reporting detection limit

Highlighted: Highest concentrations each Area after excavations

mg/Kg = micrograms per kilogram = parts per million = ppm
ESLs = Environmental Screening Levels shallow soil (potential source of drinking water): Summary Table A, May 2013
TPHg =Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel (with Silica Gel cleanup)
TPHmo = Total Poetroleum Hydrocarbons as moto oil (with Silica Gel Cleanup)
B = Benzene T = Toluene
E = Ethylbenzene X = Xylenes (total)
MtBE = Methyl t-butyl ether LTCP = Low Threat Closure Policy

TABLE 1B
SUMMARY OF CURRENT METALS SOIL ANALYTICAL DATA
BATARSE PROPERTY
10550 INTERNATIONAL BLVD. AND 1424 & 1560 105th AVE.
OAKLAND, CALIFORNIA

Sample ID	Sample Depth (ft.)	Sample Date	Lead (mg/Kg)	Arsenic (mg/Kg)	Chrom VI (mg/Kg)	Total Chrom (mg/Kg)	Zinc (mg/Kg)
AREA A-NEwalld6.5	6.5	02/23/15	7.3	---	---	---	---
AREA A-NEwalld10.0	10.0	02/23/15	8.3	---	---	---	---
AREA A-NWwalld6.5	6.5	02/23/15	8.8	---	---	---	---
AREA A-NWwalld10.0	10.0	02/23/15	8.0	---	---	---	---
AREA A-SWwalld6.5	6.5	02/23/15	7.6	---	---	---	---
AREA A-SWwalld10.0	10.0	02/23/15	7.8	---	---	---	---
AREA A-SEwalld6.5	6.5	02/23/15	7.8	---	---	---	---
AREA A-SEwalld10.0	10.0	02/23/15	8.1	---	---	---	---
AREA A-BotMidd10.0	10.0	02/23/15	8.6	---	---	---	---
AREA E-NEwalld2.0	2.0	02/23/15	66	4.1	---	---	100
AREA E-NWwalld2.0	2.0	02/23/15	14	4.3	---	---	78
AREA E-SWwalld2.0	2.0	02/23/15	11	4.2	---	---	43
AREA E-SEwalld2.0	2.0	02/23/15	25	4.3	---	---	70
AREA E-BotMidd4.0	4.0	02/23/15	6.9	4.2	---	---	43
AREA 4-B-1d3.0	3.0	02/23/15	---	---	0.88	32	---
Residential ESL			80	0.39	8.0	NA	600
Comm./Industrial ESL			320	0.96	8.0	NA	600
Residential CHHSL			150	0.07	17	NA	23,000
Comm./Industrial CHHSL			3500	0.24	37	NA	100,000

Notes:

--- = Parameter not analyzed

<0.5 / ND = Not present at or above reporting detection limit

mg/Kg = micrograms per kilogram = parts per million = ppm

ESLs = Environmental Screening Levels shallow soil (potential source of drinking water): Summary Table A, May 2013

CHHSL California Human Health Screening Level - January 2005.

Highlighted: Highest concentrations each Area after excavations

ATTACHMENT G

City of Oakland "Survey of Studies on Naturally-Occurring Metals Concentrations"

City of Oakland
Survey of Studies on Naturally-occurring Metals Concentrations

Some naturally-occurring concentrations of metals in Oakland soils are higher than the thresholds calculated by risk-based models. In such cases, there is unlikely to be any real reduction in risk realized from remediation to the risk-based threshold since the observed concentrations are likely to represent ambient conditions. In Oakland, this is especially true of arsenic. The following table contains the results from studies on naturally-occurring metals conducted in locations that are relevant to Oakland's geology.

Background Metal Concentrations
(ppm in soil)

Source	Antimony	Arsenic	Beryllium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc
Lawrence Berkeley National Laboratories[1]	6	24*	1.0	5.6	120	63	43	0.42	272	4.9	2.9	10	140
San Leandro, Ca[2]	<3-<15	1.8-5.9	<0.25-<1.30	<0.25-<1.30	24.8-43.0	11.8-68.0	3.3-10.4	<0.10	2.93-43.60	<0.25-<2.50	<0.50-<2.50	<0.50-<5.00	9.3-61.3
Union City, Ca[3]	5.0	6.92-9.34	0.5-0.81	0.5-1.30	46.5-112	28.2-60.1	19.8-148	0.1-0.36	32.4-60.6	0.5	0.5	5.0	97.1-474
Western U.S.[4]	--	1-50	--	0.1-0.7	1-1,000	2-100	20-100	0.01-0.3	5-500	--	--	--	10-300

Sources:
[1] Lawrence Berkeley National Laboratory Environmental Restoration Program, April 2009. Concentrations listed are Upper 99% Confidence Limits of data from 1,600 samples.
[2] Chemical Testing on Background Soil Samples: Roberts Landing Development Site, San Leandro, CA, 1994.
[3] Sitewide Remedial Investigation: Pacific States Steel Corp. Union City, CA, 1992.
[4] USEPA (found in Remedial Investigation Report, Hercules Properties, Inc., 1991).
*- Background arsenic concentration for all soils sampled, except the Great Valley group. For Great Valley group, the concentration is reported as 42 ppm.

ATTACHMENT H

August 1998 Fuel Leak Case Closure RO#852

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

StID 852

August 14, 1998

Mr. Anthony Batarse Jr.
Lloyd Wise Nissan
10500 E. 14th Street
Oakland, CA 94603

Dear Mr. Batarse:

RE: Fuel Leak Site Case Closure for 10500 E 14th Street, Oakland

Dear Mr. Batarse:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Protection Division is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- up to 18,000ppb TPH as gasoline and 270ppb benzene exists in groundwater beneath the site; and,
- a human health risk assessment is required if a building is proposed in the vicinity of the former gasoline tank.

If you have any questions, please contact me at (510) 567-6762.

eva chu
Hazardous Materials Specialist

enlosures: 1. Case Closure Letter 2. Case Closure Summary

c: Frank Kliewer, City of Oakland-Planning, 1330 Broadway, 2nd Fl, Oakland, CA 94612
files-ec (lloydwise2-13)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 852 - 10500 E 14th Street, Oakland, CA
(1-550 gallon waste oil and 1-2,000 gallon gasoline tank removed in February 1993

August 14, 1998

Mr. Anthony Batarse Jr.
Lloyd Wise Nissan
10500 E. 14th Street
Oakland, CA 94603

Dear Mr. Batarse:

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Section 2721(e) of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung

Mee Ling Tung, Director

cc: Richard Pantages, Chief of Division of Environmental Protection
Chuck Headlee, RWQCB
Dave Deaner, SWRCB
Leroy Griffin, OFD
files-ec (lloydwise2-12)

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION **Date: April 29, 1998**

Agency name: **Alameda County-HazMat** Address: **1131 Harbor Bay Pkwy**
City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6700**
Responsible staff person: **Eva Chu** Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Lloyd Wise Nissan**
Site facility address: **10500 E. 14th Street, Oakland, CA 94603**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **852**
URF filing date: **6/8/94** SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
Anthony Batarse Jr. **Lloyd Wise Nissan**	**10500 E. 14th Street** **Oakland, CA 94603**	**(510) 638-4000**

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
A	**550**	**Waste Oil**	**Removed**	**2/17/93**
B	**2,000**	**Gasoline**	**"**	**2/18/93**

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**
Site characterization complete? **YES**
Date approved by oversight agency: **3/27/98**
Monitoring Wells installed? **Yes** Number: **2**
Proper screened interval? **Yes, 15' to 29' bgs**
Highest GW depth below ground surface: **8.04'** Lowest depth: **28.30' in MW-1-N**
Flow direction: **WSW**
Most sensitive current use: **Commercial**
Are drinking water wells affected? **No** Aquifer name: **Unknown**
Is surface water affected? **No** Nearest affected SW name: **NA**
Off-site beneficial use impacts (addresses/locations): **None**
Report(s) on file? **YES** Where is report(s) filed? **Alameda County, 1131 Harbor Bay Pkwy, Alameda, CA 94502** and **Oakland Fire Dept, 1605 MLK Jr Dr, Oakland, CA 94612**

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Tank	**2 USTs**	**Disposed by H & H, in San Francisco**	**Feb 1993**
Piping			
Soil	**~115 cy**	**Unknown**	
Rinsate	**100 gallon**	**Recycled at Gibson Oil, Redwood City**	**2/16/93**

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before[1]	After[2]	Before[3]	After[4]
TPH (Gas)	**160**	**NA**	**240,000**	**18,000**
TPH (Diesel)	**39**	**ND**	**NA**	**NA**
Benzene	**ND**	**ND**	**3,600**	**270**
Toluene	**0.21**	**ND**	**2,600**	**120**
Ethylbenzene	**0.57**	**ND**	**6,900**	**1,800**
Xylenes	**0.98**	**ND**	**40,000**	**6,300**
MTBE	**NA**	**NA**	**NA**	**ND**
Oil & Grease	**ND**	**NA**	**NA**	**ND**
Heavy metals	**w/in geogenic levels**			

NOTE: 1 **soil samples collected at time of UST removal, Feb 1993**
2 **soil samples collected after overexcavation of gasoline pit, Mar 1993**
3 **maximum groundwater concentrations detected from monitoring wells**
4 **most recent groundwater concentrations from wells, Feb 1998**

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? _____

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? _____

Does corrective action protect public health for current land use? **YES**

Site management requirements: **An assessment of human health risk due to volatilization of chemicals of concern from soil and groundwater to indoor air is required if a building is proposed in the vicinity of the former gasoline tank..**

Should corrective action be reviewed if land use changes? **YES**

Monitoring wells Decommissioned: **0, pending site closure**

Number Decommissioned: **0** Number Retained: **2**

List enforcement actions taken: **NOV in May 1995**

List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Eva Chu** Title: **Haz Mat Specialist**

Signature: Eva Chu Date: 4/29/98

Reviewed by

Name: **Larry Seto** Title: **Sr. Haz Mat Specialist**

Signature: Larry Seto Date: 4-29-98

Name: **Thomas Peacock** Title: **Supervisor**

Signature: Thomas Peacock Date: 5-5-98

VI. RWQCB NOTIFICATION

Date Submitted to RB: 5/6/98 RB Response:

RWQCB Staff Name: **Chuck Headlee** Title: **REG**

Signature: Chuck Headlee Date: 6/11/98

VII. ADDITIONAL COMMENTS, DATA, ETC.

Two USTs were used at the Lloyd Wise automobile showroom and auto repair facility. A 550 gallon waste oil UST was located in the back of the site, adjacent to the service bay. A 2,000-gallon gasoline UST was located in the front of the auto showroom (see Figs 1 ans 2). Both USTs were removed in February 1993. Two soil samples (B-1 and B-2) and a water sample (B-4) were collected from the waste oil tank pit. Analytical results did not contain remarkable levels of petroleum hydrocarbons (see Table 1). No further action was required at the waste oil pit.

Soil samples C-1 and C-2 were collected below the gasoline UST @8' bgs. Up to 160 ppm TPHg, and ND, 0.21, 0.57, and 0.98 ppm BTEX, respectively, were identified (see Table 2). The pit was overexcavated in March 1993. Final dimensions of the pit was 16' x 20' x 12' in depth. Two confirmatory soil samples (EX-N/B and EX-S/B) were collected from the pit bottom, and soil samples (EX-N, EX-S, EX-W, and EX-E) were collected from each sidewall. These samples did not contain detectable levels of TPHg or BTEX. (See Fig 3 and Table 3)

In April 1994 one monitoring well, MW-1-N was installed immediately west of the former gasoline pit. A soil sample (MW-1-N @15') from the well boring contained low levels of petroleum hydrocarbons. Groundwater contained up to 120,000 ppb TPHg, and 2,000, 2,600, 4,500, and 40,000 ppb BTEX, respectively. (See Fig 4, Tables 4 and 5)

Boring B-1 was drilled upgradient of the former UST. Well MW-2-N was installed further downgradient of well MW-1-N. Gradient was confirmed with groundwater elevation data collected from the two on-site wells and from one off-site well located across 105th Street, at Lloyd Wise Oldsmobile. Soil from B-1 and MW-2-N did not contain remarkable levels of hydrocarbons (see Fig 4, Table 5). However, groundwater from well MW-2-N contained elevated TPHg and BTEX (see Table 7). To further delineate the extent of the plume, six exploratory Hydropunch borings were drilled in January 1997. Soils samples were collected from two of the borings (B-1H and B-2N). Grab groundwater samples were collected from each boring. Soil and groundwater analytical results indicate that petroleum hydrocarbons are limited in groundwater to the vicinity of the former gasoline UST and the monitoring wells. (See Fig 5, Tables 8 and 9)

After eight sampling events (from 4/94 to 2/98) TPHg and benzene levels have continued to decrease. Current residual soil and groundwater contamination levels do not pose a risk to human health (based on ASTM RBCA Tier 1 Lookup Table), assuming volatilization of soil or groundwater to outdoor air, the only current complete exposure pathway. Natural biodegradation appears to be reducing hydrocarbon concentrations at the site. Continued monitoring is not warranted. However, construction of a building over the vicinity of the former gasoline UST will require an evaluation of risk to human health due to volatilization of chemicals of concern from soil and groundwater to indoor air.

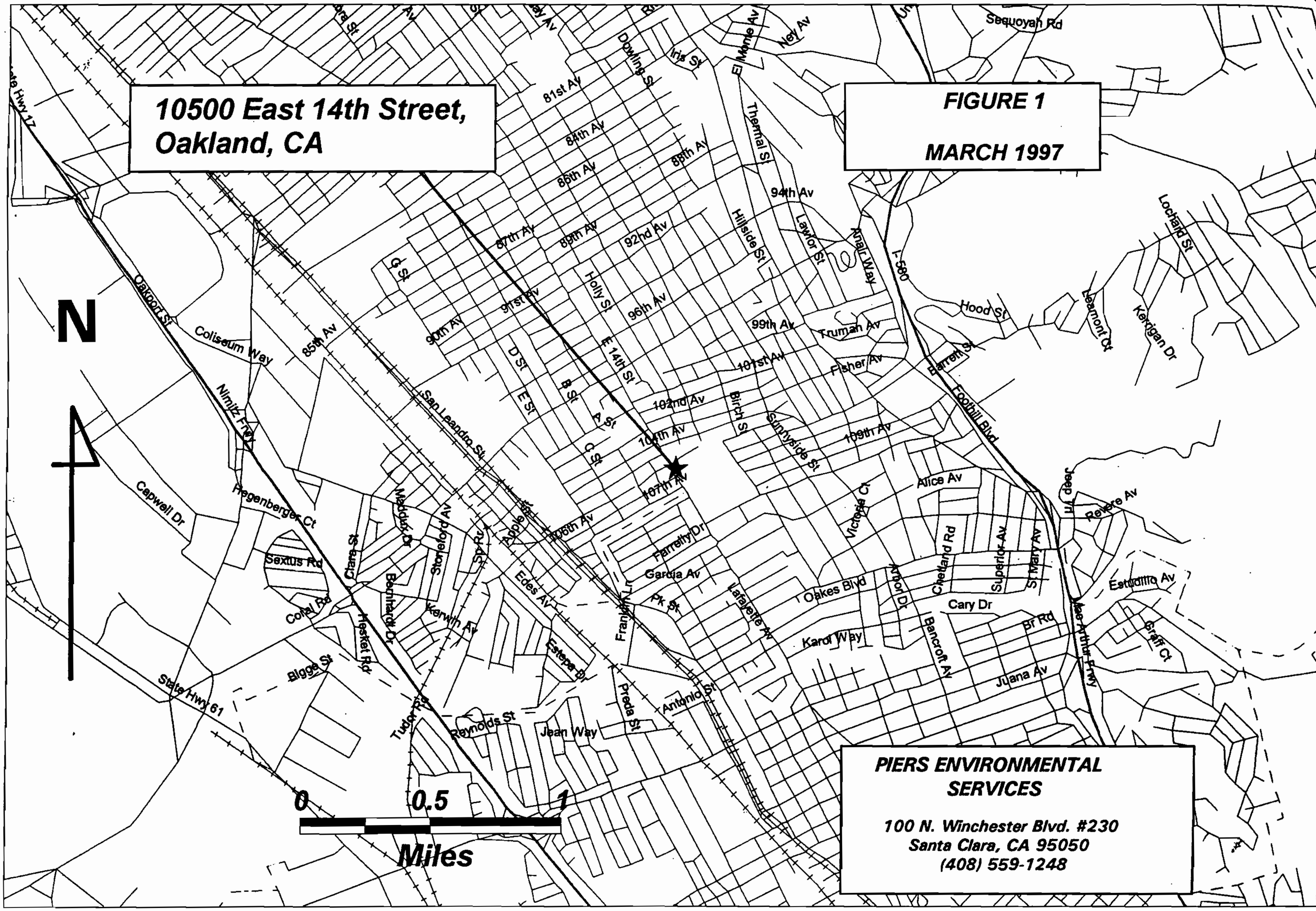
In summary, case closure is recommended because:

- the leak and ongoing sources have been removed;
- the site has been adequately characterized;
- the dissolved plume is not migrating;
- no water wells, surface water, or other sensitive receptors are likely to be impacted; and,
- the site presents no significant risk to human health or the environment.

10500 East 14th Street, Oakland, CA

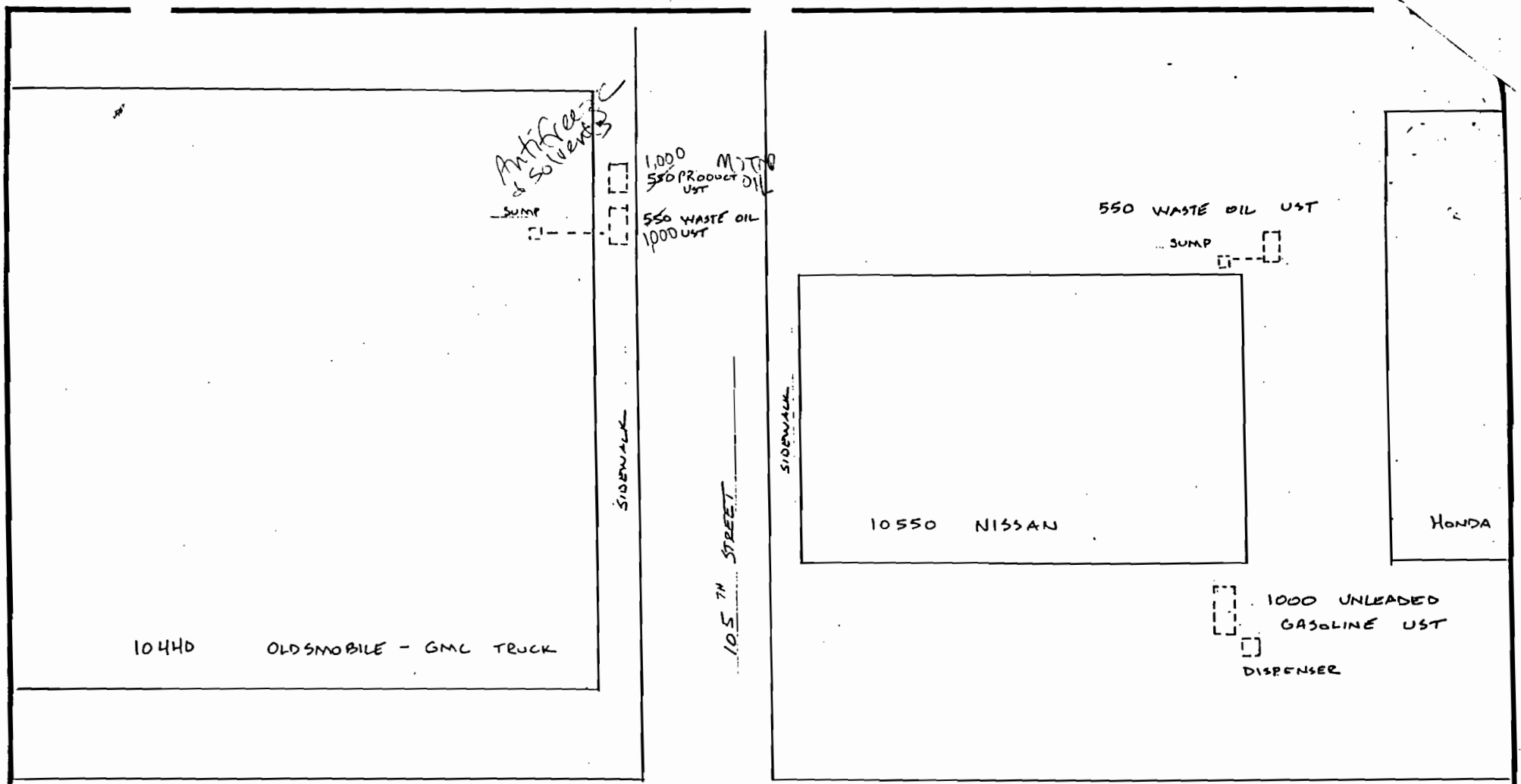
FIGURE 1

MARCH 1997



PIERS ENVIRONMENTAL SERVICES

100 N. Winchester Blvd. #230
Santa Clara, CA 95050
(408) 559-1248



GEN-TECH ENVIRONMENTAL INC

SCALE: 40' = 1"	APPROVED BY:	DRAWN BY DBG
DATE: 1-15-93		REVISED #

10440 AND 10550 EAST 14TH STREET, OAKLAND CA

SITE PLAN Fig 2

DRAWING NUMBER 9302-1

Table 1

Following is a table indicating the analysis results for the soil and water samples.

	9302-B-1	9302-B-2	9302-B-4(water)
TPH Gas	1.0ppm	N.D.	120ppb
TPH Disl	2.9ppm	39ppm	not reported
B	N.D.	N.D.	N.D..
T	N.D.	N.D.	1.2ppb
E	N.D.	N.D.	7.2ppb
X	5.3ppb	7.0ppb	26ppb
Oil & Grease	N.D.	N.D.	not reported
Cad mium	N.D.	N.D.	not reported
Chro mium	42ppm	43ppm	not reported
Lead	15ppm	16ppm	not reported
Nickel	45ppm	50ppm	not reported
Zinc	42ppm	45ppm	not reported

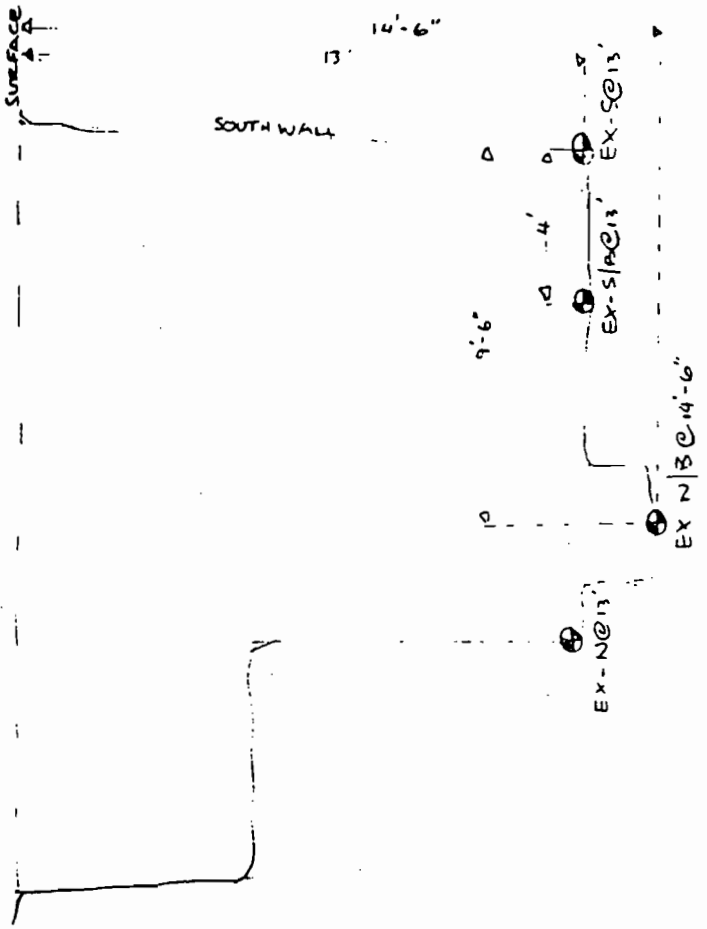
Table 2

Following is a table indicating the analysis results for the soil samples.

	9302-C-1	9302-C-2	9302-C-3	9302-C-4
TPH Gas	1.2ppm	160ppm	~~1.2ppm~~	~~N.D.~~
B	N.D.	N.D.	N.D.	N.D.
T	N.D.	210ppb	N.D.	N.D.
E	5.5ppb	570ppb	N.D.	~~N.D.~~
X	N.D.	~~N.D.~~ 980ppb	N.D.	N.D.

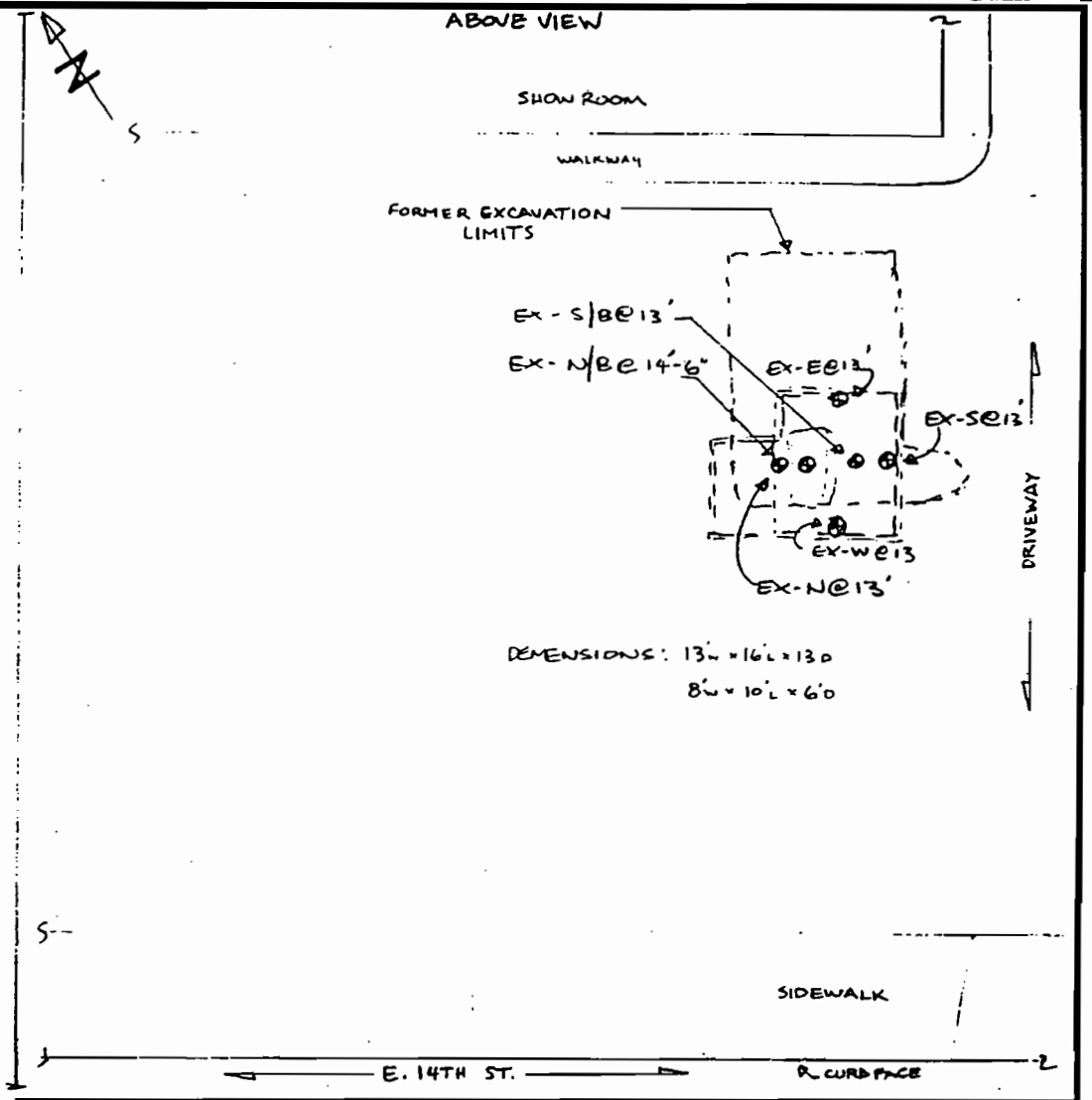
PROFILE VIEW

SCALE: 1"=5' VIEW - EAST



* TOTAL EXCAVATED MATERIAL ± 115yds

ABOVE VIEW



LLOYD A WISE NISSAN
10525 E. 14TH ST. OAKLAND CA.

FIG 3

SCALE: 1" = 20'	APPROVED BY:	DRAWN BY E.L.
DATE: 3-11-93		REVISED

⊕ = SOIL SAMPLE LOCATION(S)

EXCAVATION LOCATION AND PROFILE

DRAWING NUMBER 9302-02

CHROMALAB, INC.

Environmental Laboratory (1094)

Table 3

5 DAYS TURNAROUND

March 26, 1993 ChromaLab File No.: 0393257

GEN-TECH ENVIRONMENTAL

Attn: Eric Lissol

RE: Six soil samples for Gasoline and BTEX analysis

Project Name: AABATARSE
Project Number: 9302
Date Sampled: Mar. 12, 1993 Date Submitted: Mar. 19, 1993
Date Analyzed: March 24, 1993

RESULTS:

Sample I.D.	Gasoline (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)
EX-N/B @ 14'6"	N.D.	N.D.	N.D.	N.D.	N.D.
EX-S/B @ 13'	N.D.	N.D.	N.D.	N.D.	N.D.
EX-N @	N.D.	N.D.	N.D.	N.D.	N.D.
EX-S @	N.D.	N.D.	N.D.	N.D.	N.D.
EX-E @	N.D.	N.D.	N.D.	N.D.	N.D.
EX-W @	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	88%	110%	112%	101%	104%
DUP SPIKE RECOVERY	---	108%	109%	105%	105%
DETECTION LIMIT	1.0	5.0	5.0	5.0	5.0
METHOD OF ANALYSIS	5030/8015	8020	8020	8020	8020

ChromaLab, Inc.

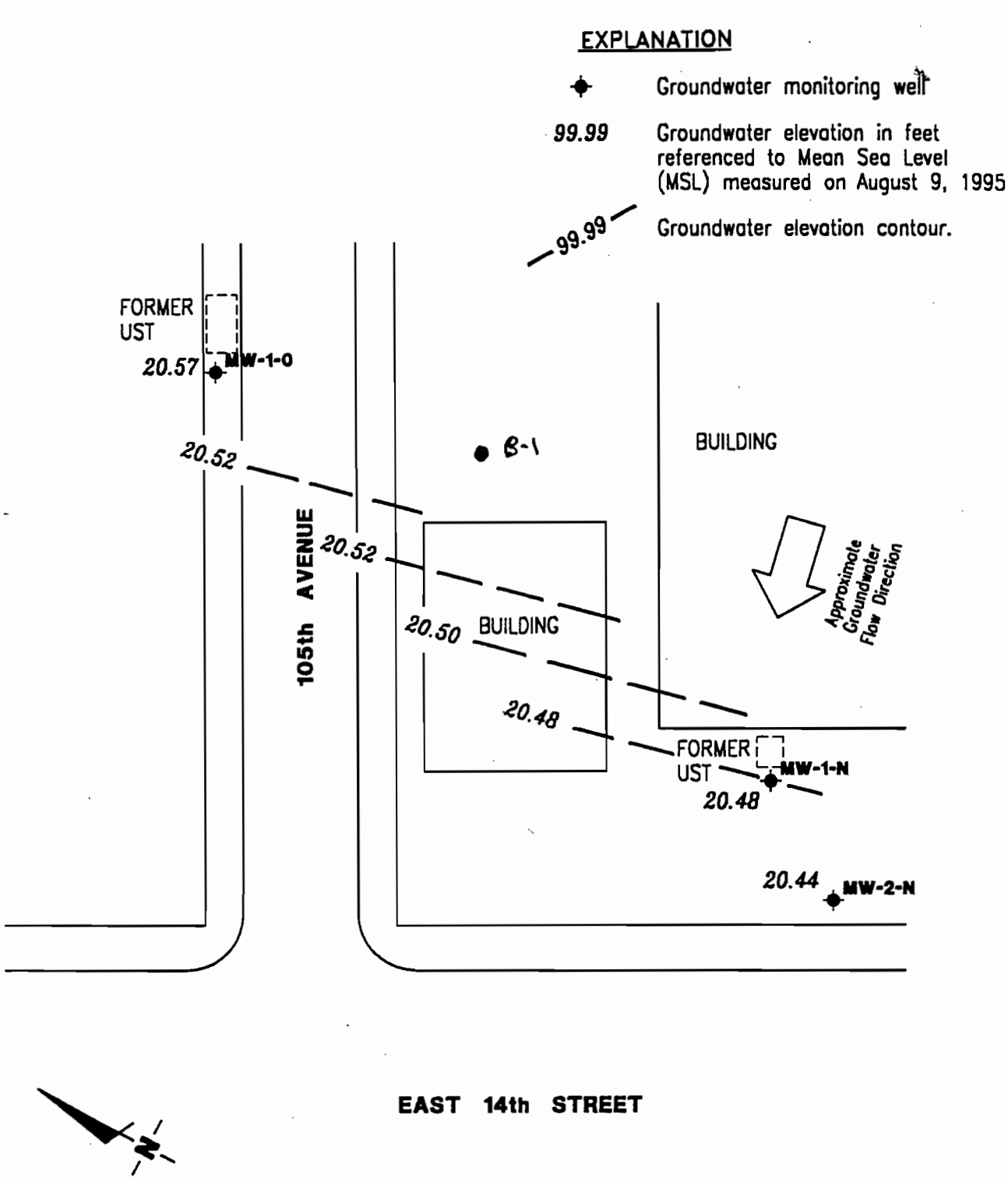
Billy Thach
Analytical Chemist

Eric Tam
Laboratory Director

do

RECEIVED
APR 2 1993
ANSWERED

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157



GROUNDWATER CONTOUR MAP	FIGURE 4
Lloyd Wise Nissan 10550 East 14th Street Oakland, California	September 1995 Scale: 1" = 40'

PIERS ENVIRONMENTAL SERVICES

TABLE 4. SOIL BORING CHEMICAL DATA

Sample No.	TPHG mg/kg	Benzene ug/kg	Toluene ug/kg	Ethylbenzene ug/kg	Xylene ug/kg
MW#1-N@C/F	ND	8.6	ND	ND	10
MW#1-N@15'	30	10	ND	220	970

TABLE 5. GROUNDWATER CHEMICAL DATA

Sample No.	TPHG ug/l	TPHD ug/l	B	T	E	X	OG ug/l	VOA ug/l	EG ug/l	Pb mg/l
			------- ug/l ------							
~~MW-1-O~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~Yes*~~	~~ND~~	~~0.010~~
MW-1-N	120,000	NR	2,000	2,600	4,500	40,000	NR	NR	NR	0.010
Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not Detected
NR - Not Requested
mg/kg - milligram per kilogram (ppm) ug/kg - microgram per kilogram (ppb)
mg/l - milligram per kilogram (ppm) ug/l - microgram per liter (ppb)
Yes* - 5.7 ppb cis-1,2-dichloroethene (DCE); 3.2 ppb trichloroethene (TCE)

If well MW-1-O is screened on top of aquifer, could there be higher concentrations of DCE + TCE if well was screened lower?

TABLE 6. SOIL CHEMICAL DATA

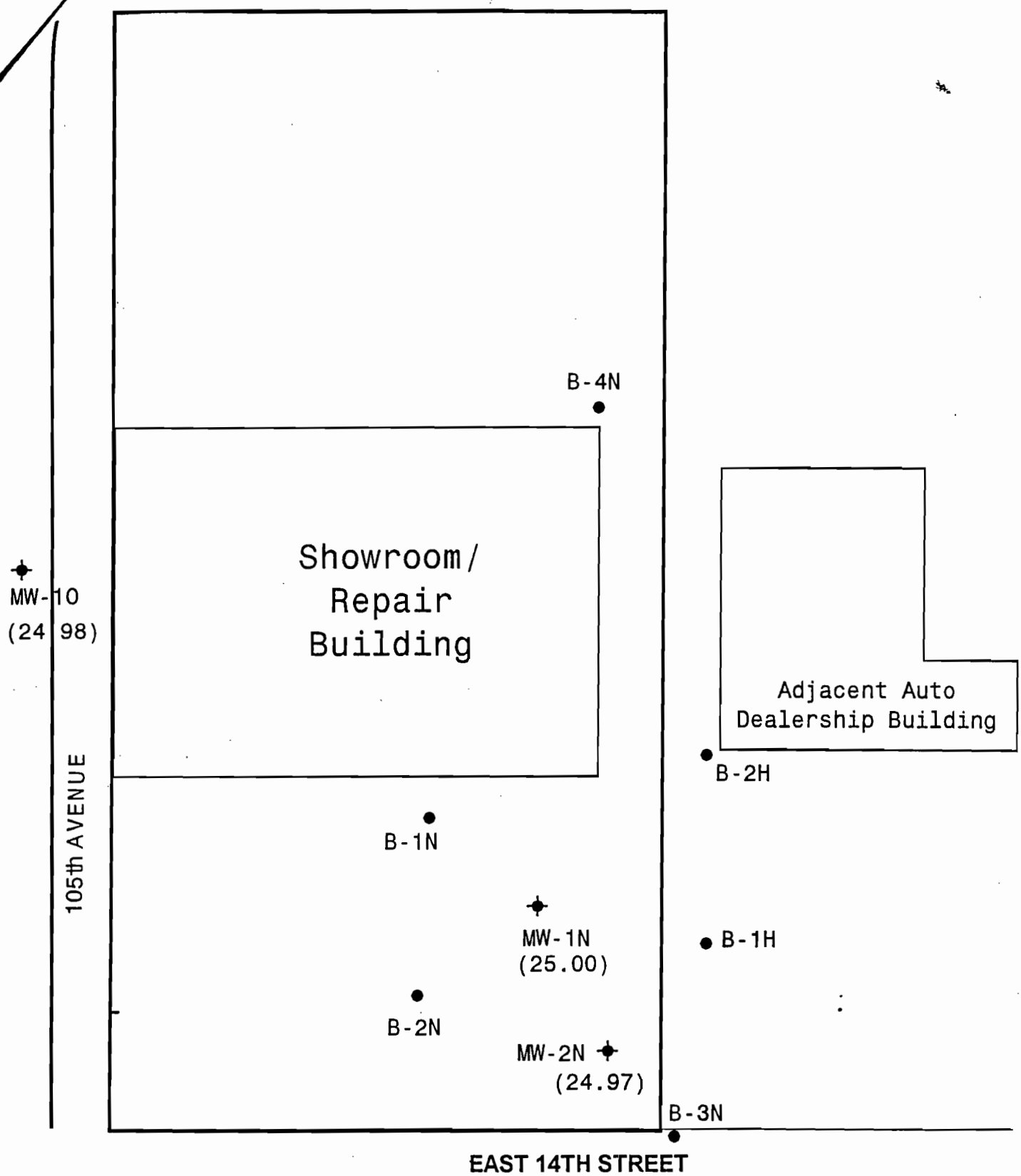
Sample No.	TPHG mg/Kg	B	T	E	X
		----------mg/Kg----------			
MW-2-N @15'	ND	ND	ND	ND	ND
MW-2-N @20'	2.1	0.038	0.024	0.091	0.26
MW-2-N @25'	ND	ND	ND	ND	ND
B-1 @ 18'	ND	ND	ND	ND	ND

mg/Kg = milligrams per kilogram (roughly equal to parts per million)
ND = not detected at or above the laboratory method reporting limit

TABLE 7. GROUNDWATER CHEMICAL DATA

Samp. No.	TPHG	TPHD	B	T	E	X	Total Lead	Ethy. Gly.	O&G	VOCs
						ug/L				
MW-1-O	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-1-N	240,000	NA	3,600	1,200	6,900	35,000	ND	NA	NA	NA
MW-2-N	190,000	NA	2,100	1,000	2,200	14,000	NA	NA	NA	NA

ug/L = micrograms per liter (roughly equal to parts per billion)
ND = not detected at or above the laboratory method reporting limit
NA = not analyzed



(24.98) Groundwater elevation in feet above mean level

N

BORING LOCATION MAP — **FIGURE 15**

Project No. 96377
10500 East 14th Street
Oakland, California

March, 1997
Scale: 1" = approx. 40'

PIERS ENVIRONMENTAL SERVICES

ntech Analytical Labs, Inc.

CA ELAP# 1369

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Table 8

Piers Environmental Services
100 N. Winchester Blvd., Ste 230
Santa Clara, CA 95050
Attn: Stuart Solomon

Date:	2/3/97
Date Received:	1/27/97
Date Analyzed:	1/28-1/29/97
Project No.:	96377+96376
Sampled By:	Client

Certified Analytical Report

Soil Sample Analysis:

Sample ID	Sample Date	Sample Time	Lab #	DF	TPH-Gas	Benzene	Toluene	Ethyl Benzene	Xylene
B-1H @10'	1/24/97		D2202	1	ND	ND	ND	ND	ND
B-1H @15'	1/24/97		D2203	1	ND	ND	ND	ND	ND
B-2N @10'	1/24/97		D2204	1	ND	ND	ND	ND	ND
B-2N @15'	1/24/97		D2205	1	ND	ND	ND	ND	ND

1. DLR=PQL x DF
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #1369)

Summary of Methods and Detection Limits:

	TPH-Gas	Benzene	Toluene	Ethylbenzene	Xylenes
EPA Method #	8015M	8020	8020	8020	8020
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL	1.0 mg/kg	0.005 mg/kg	0.005 mg/kg	0.005 mg/kg	0.005 mg/kg

Michael N. Golden, Lab Director

DF=Dilution Factor
DLR=Detection Reporting Limit

PQL=Practical Quantitation Limit
ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

CA ELAP# 1369

525 Del Rey Avenue; Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Table 9

Piers Environmental Services
100 N. Winchester Blvd., Ste 230
Santa Clara, CA 95050
Attn: Stuart Solomon

Date:	2/3/97
Date Received:	1/27/97
Date Analyzed:	1/28-1/29/97
Project No.:	96377+96376
Sampled By:	Client

Certified Analytical Report

Water Sample Analysis:

Test	*B-1N*	*B-2N*	*B-3N*	*B-1H*	*Units*	*PQL*	*EPA Method #*
Sample Matrix	Water	Water	Water	Water			
Sample Date	1/24/97	1/24/97	1/24/97	1/24/97			
Sample Time	10:10	8:59	8:20	9:30			
Lab #	D2192	D2193	D2194	D2195			
DF-Gas/BTEX	4	1	1	1			
TPH-Gas	**4,500**	**290**	**ND**	**ND**	µg/liter	50.0 µg/l	8015M
MTBE	**23**	**ND**	**ND**	**ND**	µg/liter	5.0 µg/l	8020
Benzene	**12**	**0.73**	**ND**	**ND**	µg/liter	0.5 µg/l	8020
Toluene	**ND**	**ND**	**ND**	**ND**	µg/liter	0.5 µg/l	8020
Ethyl Benzene	**51**	**17**	**ND**	**ND**	µg/liter	0.5 µg/l	8020
Xylenes	**32**	**15**	**ND**	**ND**	µg/liter	0.5 µg/l	8020

1. DLR=DF x PQL (DF=1 unless noted)
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #1369)

Michael N. Golden, Lab Director

DF=Dilution Factor
DLR= Detection Reporting Limit

PQL=Practical Quantitation Limit
ND=None Detected at or above DLR

ech Analytical Labs, Inc.

CA ELAP# 1369

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

cont. Table 9

Piers Environmental Services
100 N. Winchester Blvd., Ste 230
Santa Clara, CA 95050
Attn: Stuart Solomon

Date:	2/3/97
Date Received:	1/27/97
Date Analyzed:	1/28/97
Project No.:	96377+96376
Sampled By:	Client

Certified Analytical Report

Water Sample Analysis:

Test	*B-2H*	*B-4N*	*Units*	*PQL*	*EPA Method #*
Sample Matrix	Water	Water			
Sample Date	1/24/97	1/24/97			
Sample Time	11:00	12:00			
Lab #	D2196	D2197			
DF-Gas/BTEX	1	1			
TPH-Gas	ND	ND	µg/liter	50.0 µg/l	8015M
MTBE	ND	ND	µg/liter	5.0 µg/l	8020
Benzene	ND	ND	µg/liter	0.5 µg/l	8020
Toluene	ND	ND	µg/liter	0.5 µg/l	8020
Ethyl Benzene	ND	ND	µg/liter	0.5 µg/l	8020
Xylenes	ND	ND	µg/liter	0.5 µg/l	8020

1. DLR=DF x PQL (DF=1 unless noted)
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #1369)

Michael N. Golden, Lab Director

DF=Dilution Factor
DLR= Detection Reporting Limit

PQL=Practical Quantitation Limit
ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

CA ELAP# 1369

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

cont. Table 9

Piers Environmental Services
100 N. Winchester Blvd., Ste 230
Santa Clara, CA 95050
Attn: Stuart Solomon

Date:	2/3/97
Date Received:	1/27/97
Date Analyzed:	2/3/97
Project No.:	96377+96376
Sampled By:	Client

Certified Analytical Report

Water Sample Analysis:

Sample ID	*Sample Date*	*Sample Time*	*Lab #*	TRPH
B-3H	1/24/97	11:30	D2198	ND
EB-1	1/24/97	12:45	D2199	ND
EB-2	1/24/97	1:40	D2200	ND
EB-3	1/24/97	2:19	D2201	ND

1. DLR=DF x PQL (DF=1 unless noted)
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #1369)

Test Methods:

Test	*EPA Method #*	*Units*	*PQL*
TRPH	418.1	mg/liter	5.0 mg/l

Michael N. Golden, Lab Director

DF=Dilution Factor
DLR=Detection Reporting Limit

PQL=Practical Quantitation Limit
ND=None Detected at or above DLR

2.1 **Laboratory Analyses**

Table 10

The following analyses was performed by Priority on groundwater samples obtained from the monitor wells:

TPH-gas (EPA Method 8015)M; BTEX (EPA Method 602)
Nitrate& Nitrite as Nitrogen (EPA) Method 353.3)

The results of the groundwater sample were as follows:

Results in Parts Per Billion (PPB)

2/18/98

Well#	Sample#	TPH/g	Benzene	Toluene	EthylBenzene	Xylene	NO_3/NO_2	DTW
MW1N	MW1-E	17,000	270	120	1800	6300	0.57	8.04
MW2N	MW1-W	18,000	250	14	580	4300	0.59	8.33

HISTORICAL GROUNDWATER ANALYSIS
All Results in Parts Per Billion (PPB)

2/24/97

Sample#	TPH/g	Benzene	Toluene	EthylBenzene	Xylene	DTW	MTBE
MW1N	23,000	290	120	1100	4300	12.94ft.	ND
MW2N	23,000	610	41	950	3800	13.24ft.	ND

2/29/96

Sample#	TPH/g	Benzene	Toluene	EthylBenzene	Xylene	DTW
MW1N	31,000	510	160	1400	7400	12.46ft
MW2N	30,000	1400	ND	970	5600	12.70ft.

11/16/95

Sample#	TPH/g	Benzene	Toluene	EthylBenzene	Xylene	DTW
MW1N	55,000	1000	1200	3100	12000	19.78ft
MW2N	68,000	4600	1000	970	15000	19.50ft.

8/9/95

Sample#	TPH/g	Benzene	Toluene	EthylBenzene	Xylene	DTW
MW1N	240,000	3600	1200	6900	35000	17.77ft
MW2N	190,000	2100	1000	2200	14000	17.46ft.

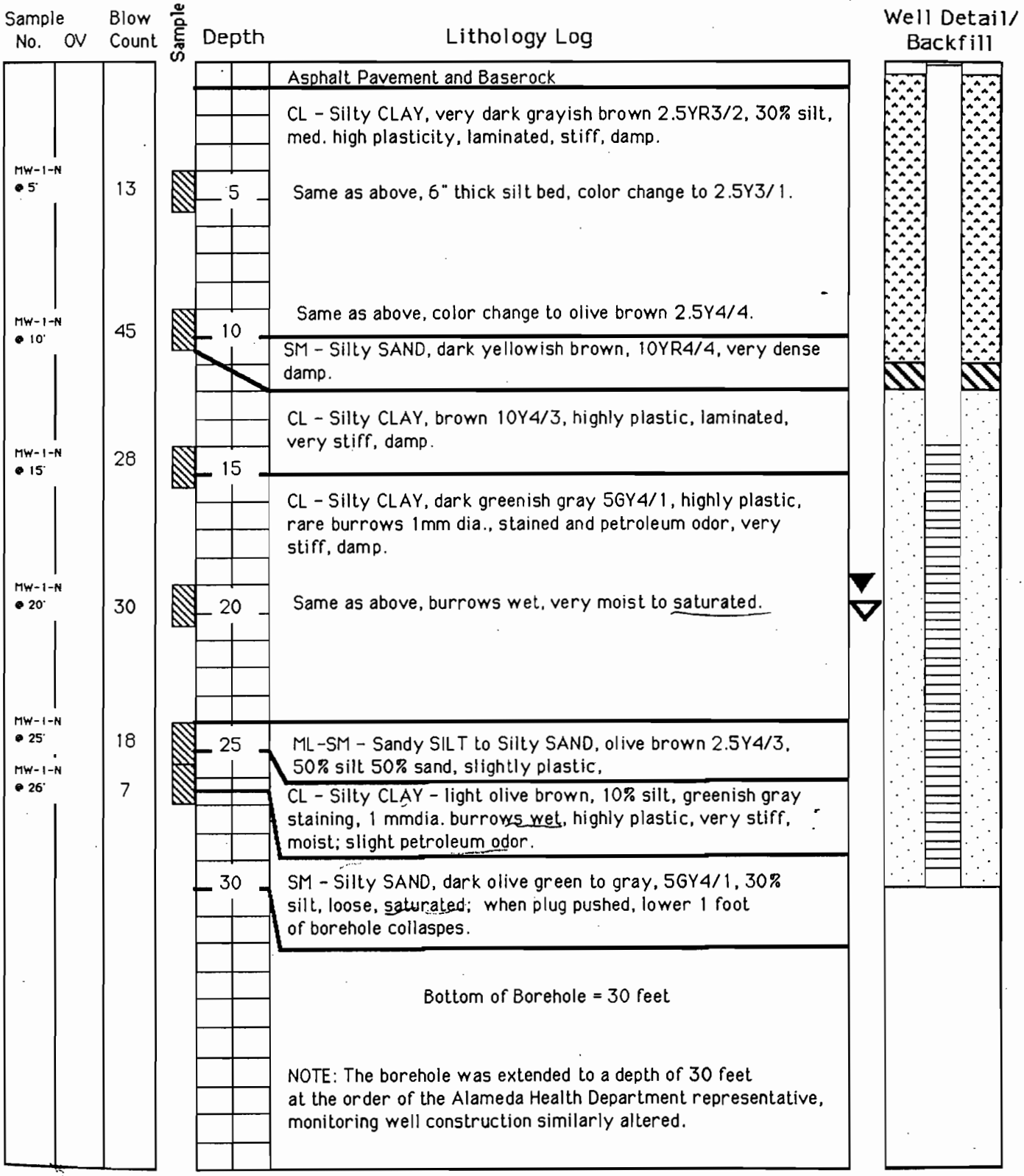
cont. Table 10

5/18/95 Sample#	TPH/g	Benzene	Toluene	EthylBenzene	Xylene	DTW
MW1N	97,000	ND	ND	ND	ND	14.56ft.
11/3/94 Sample#	TPH/g	Benzene	Toluene	EthylBenzene	Xylene	DTW
MW1N	75,000	130	210	380	1200	21.10ft.
4/27/94 Sample#	TPH/g	Benzene	Toluene	EthylBenzene	Xylene	DTW
MW1N	120,000	2000	2600	4500	40,000	28.30ft.

Gen Tech Environmental, Inc. San Jose, CA — *Exploratory Boring Log*

Project No. 9352 **Boring/Well No.** MW-1-N
Client: A. A. Batarse **Date Drilled:**
Location: 14th St. Oakland, CA **Logged by:** EL
Drilling Method: Hollowstem
Permit: ACFDWCD 94231
Water Levels: 1st Enc: 20' Static: 19.82'

Borehole Completion
Well Installed: Sch 40 PVC 2" dia.
Total Depth: 30' Casing Depth: 29.5'
Screen Length: 14' 0.020" Blank Length: 15.5'
Top Sand Pack: 12' 2/12 sand
Top Bentonite: 11'
Grout Seal: 11' to 1' surface vault box



Note: Clay is not acting as aquita

L.W. Nissan

PIERS Environmental Services — Exploratory Boring Log

Project No. 95193 Client: A.A. Batarse, Inc. Boring # MW-2 Date 8-4-95
Location: 10550 E. 14th St., Oakland, CA Logged By: B. Halsted
Drilling Method: 8 inch Hollow Stem Permit: Zone 7 Page 1 of 1