ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

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

August 27, 2015

Anthony A. Batarse, Jr.
10550 International Blvd.
Oakland, CA 94603
(Sent via email to anthonya@batarse.com)

Subject: Closure Transmittal; Site Cleanup Program (SCP) Case RO0003151 and GeoTracker Global ID T0000006347, Batarse Redevelopment, 10550 International Boulevard, Oakland, CA 94603

Dear Responsible Parties:

This letter confirms the completion of site investigation and remedial actions for the soil and groundwater investigation at the above referenced site. We are also transmitting the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported releases at the subject site with the provision that the information provided to this agency was accurate and representative of existing conditions. The subject Site Cleanup Program (SCP) case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (http://geotracker.waterboards.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

Land Use Restrictions

Motor oil contaminants are documented to be present beneath the site at four locations at concentrations above RWQCB ESLs for TPH as motor oil (taste, odor and solubility) of 100 milligrams per kilogram (mg/kg); however, are significantly below the direct contact ESL of 100,000 mg/kg. The locations appear to be limited in extent and depth and the concentrations do not represent a significant environmental concern for the site.

If a change in land use to any residential, or conservative land use, or if any redevelopment occurs, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the site relative to the proposed redevelopment.

Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.If you have any questions, please call Mark Detterman at (510) 567-6876. Thank you.

Sincerely,

Dilan Roe

Dilan Roe, P.E.
LOP and SCP Program Manager

Enclosures: Case Closure Summary

cc: Susan Hugo, Alameda County Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502; (Sent via electronic mail to: susan.hugo@acgov.org)

Mark J. Arniola, City of Oakland Public Works Environmental Services, 250 Frank H. Ogawa Plaza, Suite 4314, Oakland, CA 94612 (Sent via E-mail to: marniola@oaklandnet.com)

Gopakumar Nair, City of Oakland Public Works Environmental Services, 250 Frank H. Ogawa Plaza, Suite 4314, Oakland, CA 94612 (Sent via E-mail to: gnair@oaklandnet.com)

Cherie McCaulou, San Francisco Bay Regional Water Quality Control Board, 1515 Clay Street, Suite 1400, Oakland, CA 94612, (sent via electronic mail to CMacaulou@waterboards.ca.gov)

Stuart Solomon, Phase-1 Environmental Services, Inc, 5216 Harwood Road, San Jose, CA 95124, (sent via email to stuart@phase-1environmental.com)

Alexis Gevorgian, AMG & Associates, LLC, 16633 Ventura Blvd, Suite 1014, Encino, CA 91436 (sent via email to agevorgian@amgland.com)

Dilan Roe, (sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman (sent via electronic mail to mark.detterman@acgov.org)
Electronic File, GeoTracker

Site Cleanup Program Summary Form

AGENCY INFORMATION Date: August 14, 2015

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6876
Responsible Staff Person: Mark Detterman	Title: Senior Hazardous Materials Specialist

CASE INFORMATION

Facility Name: Batarse Redevelopment		
Facility Address: 1424, 1548, and 1560 105th Avenue & 10550 International Boulevard, Oakland, California		
RB Case No.: ----	Local Case No.: ----	SCP Case No.: RO0003151
GeoTracker ID: T0000006347	APN: 47-5509-10, 47-5519-9-1, 47-5519-7, 47-5519-6, 47-5519-5, 47-5519-4, 47-5519-3, 47-5509-1-1, and 47-5519-5-2.*	Current Land Use: Various Automotive, Commercial
Responsible Parties	Addresses	Phone Numbers
Anthony A. Batarse, Jr.	10550 International Blvd. Oakland, CA 94603	(510) 638-4000

* = APN 47-5509-41 is excluded from this closure and is managed by the closure associated with case number RO0000966.

RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Surface fuel and oil spills, hydraulic lift leakage, and other unknown sources.		
Primary constituents of concern: Gasoline (TPHg), Diesel (TPHd), Motor Oil (TPHmo), Benzene, Toluene, Ethylbenzene, Xylenes (BTEX), MTBE, Lead, Arsenic, and Chromium.		
Areas of site investigated for this case: All areas of suspected contamination on 9 adjoining parcels investigated in 2001 by Levine-Fricke Recon. The effort included 37 borings advanced, approx. 150 soil and/or groundwater samples collected from the Batarse properties, and analyzed for all constituents of potential concern.		
Remediation attempted or completed: Excavation and disposal of soils in areas identified by Alameda County Environmental Health. Collection of extremity confirmation samples with analytical lab testing to determine effectiveness of removal of COCs to below residential exposure standards.		
Number of monitoring wells installed: -0-	Number of monitoring wells destroyed: -0-	Number of monitoring wells remaining: -0-
Highest Groundwater Depth Below Ground Surface: Approx. 19 ft bgs	Lowest Depth: Approx. 30 feet bgs	Flow Direction: Presumed westerly
Most Sensitive Current Groundwater Use: Potential drinking water source.		

Site Cleanup Program Summary Form

Summary of Production Wells in Vicinity: One private water supply well at 1510 105th Avenue, located within the boundaries of the investigated parcels, was destroyed under Alameda County Public Works Agency permit. No other supply wells were identified within 2,000 feet of the site by the SWRCB's Groundwater Ambient Monitoring & Assessment Program (GAMA) website. This includes wells in the Irrigated Lands Regulatory Program, known public supply wells, SWRCB known domestic wells, USGS wells, LLNL wells, Department of Public Resource wells, and Department of Water Resource wells.	
Are drinking water wells affected? No	Aquifer Name: Santa Clara Valley - East Bay Plain (2-9.04)
Is surface water affected? No	Nearest Surface Water Name: The nearest surface water body is San Leandro Creek, which is approximately 4,200 ft. to the south-southwest of the site.

CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes	
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes	
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.	
Site Management Requirements: Motor oil contaminants are documented to be present beneath the site at four locations at concentrations above RWQCB ESLs for TPH as motor oil (taste, odor and solubility) of 100 milligrams per kilogram (mg/kg); however, are significantly below the direct contact ESL of 100,000 mg/kg. The locations appear to be limited in extent and depth and the concentrations do not represent a significant environmental concern for the site. If a change in land use to any residential, or conservative land use, or if any redevelopment occurs, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the site relative to the proposed redevelopment. Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities. This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.	
Should corrective action be reviewed if land use changes? Yes.	
Was a deed restriction or deed notification filed? No	Date Recorded: ----

Site Cleanup Program Summary Form

ADDITIONAL COMMENTS AND CONCLUSION

Additional Comments:

The subject site consists of a portion of the project area investigated by Levine Fricke Recon (LFR) in early to mid 2001 under DTSC regulatory oversight for potential redevelopment as a school. Specifically, it consists of LFR Areas of Interest 1, 2, 3, 4, and 5. LFR Areas of Interest 6, 7, and 8 are not included in this closure. A corrective action plan was developed by LFR for all Areas of Interest to remove contaminants to support redevelopment of the site as a school. The school project was not constructed. The CAP (targeted soil excavation) that was developed by LFR was executed in Areas of Interest 1, 2, 3, 4, and 5 in 2015 under ACEH regulatory oversight to support redevelopment of the proposed residential project.

An earlier voluntary cleanup case (RO0002964) was opened and closed in association with a previous proposed redevelopment that was not constructed.

Conclusion:

Alameda County Environmental Health staff believes that the site meets the conditions for case closure. No further investigation or cleanup is necessary at this time.

RWQCB Notification Notification Date: 6/12/2015

RWQCB Staff Name: Cherie McCaulou	Title: Engineering Geologist

Local Agency Representative

Prepared by: Mark Detterman	Title: Senior Hazardous Materials Specialist
Signature: Mark E.	Date: 8/14/2015
Approved by: Dilan Roe	Title: LOP and SCP Program Manager
Signature: Dilan Roe	Date: 8/14/2015

Conceptual Site Model (Attachment 1, 1 page)

LTCP Groundwater Specific Criteria (Attachment 2, 2 pages)

LTCP Vapor Specific Criteria (Attachment 3, 3 pages)

LTCP Direct Contact and Outdoor Air Exposure Criteria (Attachment 4, 2 pages)

Site Maps (Attachment 5, 19 pages)

Analytical Data (Attachment 6, 65 pages)

This Case Closure Summary along with the Case Closure Transmittal letter and the Remedial Action Completion Certification provides documentation of the case closure. This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions. The Conceptual Site Model may not contain all available data. Additional information on the case can be viewed in the online case file. The entire case file can be viewed over the Internet on the Alameda County Environmental Health (ACEH) website (http://www.acgov.org/aceh/lop/ust.htm) or the State of California Water Resources Control Board GeoTracker website (http://geotracker.waterboards.ca.gov). Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the ACEH website.

ATTACHMENT 1

CSM Report Go

BATARSE REDEVELOPMENT (T10000006347) - MAP THIS SITE

OPEN - SITE ASSESSMENT

10550 INTERNATIONAL BOULEVARD
OAKLAND , CA 94603
ALAMEDA COUNTY
VIEW PRINTABLE CASE SUMMARY FOR THIS SITE

ACTIVITIES REPORT
PUBLIC WEBPAGE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0003151*
CASEWORKER: *MARK DETTERMAN* - ***SUPERVISOR:*** *DILAN ROE*
SAN FRANCISCO BAY RWQCB (REGION 2)

CR Site ID #: NOT SPECIFIED

THIS PROJECT WAS LAST MODIFIED BY *MARK DETTERMAN* ON 8/14/2015 4:55:33 PM - HISTORY

THIS SITE HAS SUBMITTALS. CLICK HERE TO OPEN A NEW WINDOW WITH THE SUBMITTAL APPROVAL PAGE FOR THIS SITE.

CSM REPORT - VIEW PUBLIC NOTICING VERSION OF THIS REPORT

UST CLEANUP FUND CLAIM INFORMATION (DATA PULLED FROM SCUFIIS)

CLAIM NO	PRIORITY	CLAIMANT	SITE ADDRESS	AMT REIMB TO DATE	AGE OF LOC	IMPACTED WELLS?	FIVE YEAR REVIEW INFORMATION				
							REVIEW NUM	REVIEWER	FUND RECOMMENDATION	TO OVERSIGHT DATE	TO CLAIMANT DATE

PROJECT INFORMATION (DATA PULLED FROM GEOTRACKER) - MAP THIS SITE

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
BATARSE REDEVELOPMENT (Global ID: T10000006347) 10550 INTERNATIONAL BOULEVARD OAKLAND, CA 94603	Open - Site Assessment	11/18/2014	11/5/2014	1	ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0003151* ***CASEWORKER:*** *MARK DETTERMAN* - ***SUPERVISOR:*** *DILAN ROE* SAN FRANCISCO BAY RWQCB (REGION 2)

STAFF NOTES (INTERNAL)
Not all historic documents for the fuel leak case may be available on GeoTracker. A complete case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

SITE HISTORY
A case has been opened in the Alameda County Environmental Health Voluntary Cleanup Program to evaluate a site consisting of nine parcels for potential unrestricted land use. Land use at the site historically has been both commercial and residential. The nine contiguous parcels are proposed to be redeveloped with a residential land use scenario. In early to mid 2001, a substantial site investigation was conducted under DTSC oversight for the potential redevelopment of the parcels in to a school site, including one additional parcel to the west of the nine current parcels of interest, and a number of parcels to the north of 105th Avenue. This redevelopment did not occur.

An earlier voluntary cleanup case (RO0002964) was opened and closed in association with a previous proposed redevelopment that was not constructed.

In early to mid 2015 an additional investigation was conducted in conjunction with the remedial excavation of five areas of concern.

ACEH's review of the protectiveness of the residential reuse of this site is specific to the proposed conceptual development plan included in Attachment A of the case closure. A Site Management Plan has been approved by ACEH for use during construction of the proposed project.

Any other site development differing from the proposed project in Attachment A must be reviewed by ACEH.

A copy of the approved building permit plans must be submitted to ACEH prior to the start of construction, to verify the permitted project is consistent with ACEH's approval. As-Built plans of the completed project must be submitted to ACEH for inclusion in the case file.

Not all historic documents for the fuel leak case may be available on GeoTracker. A complete case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

RESPONSIBLE PARTIES

NAME	ORGANIZATION	ADDRESS	CITY	EMAIL
ANTHONY BATARSE	BATARSE FAMILY TRUST	10550 INTERNATIONAL BOULEVARD	OAKLAND	

CLEANUP ACTION INFO
NO CLEANUP ACTIONS HAVE BEEN REPORTED

RISK INFORMATION VIEW CASE REVIEWS

CONTAMINANTS OF CONCERN	CURRENT LAND USE	BENEFICIAL USE	DISCHARGE SOURCE	DATE REPORTED	STOP METHOD	NEARBY / IMPACTED WELLS
Arsenic, Chromium, Lead, Gasoline, Total Petroleum Hydrocarbons (TPH), Waste Oil / Motor / Hydraulic / Lubricating	Commercial	GW - Municipal and Domestic Supply	Other	11/5/2014		0

FREE PRODUCT	OTHER CONSTITUENTS	NAME OF WATER SYSTEM	LAST REGULATORY ACTIVITY	LAST ESI UPLOAD	LAST EDF UPLOAD	EXPECTED CLOSURE DATE	MOST RECENT CLOSURE REQUEST
			5/19/2015	5/6/2015	5/6/2015		

CDPH WELLS WITHIN 1500 FEET OF THIS SITE
NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

APN
047 550904100

GW BASIN NAME
Santa Clara Valley - East Bay Plain (2-9.04)

WATERSHED NAME
South Bay - East Bay Cities (204.20)

COUNTY
Alameda

PUBLIC WATER SYSTEM(S)
- **EAST BAY MUD** - 375 ELEVENTH STREET, OAKLAND, CA 94607

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER - HIDE VIEW ESI SUBMITTALS

NO GROUNDWATER DATA HAS BEEN SUBMITTED TO GEOTRACKER ESI FOR THIS SITE

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL - HIDE VIEW ESI SUBMITTALS

FIELD PT NAME	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
AREA A	2/23/2015	0.31 MG/KG	ND	ND	ND	ND	ND	
AREA B	2/23/2015	ND	ND	ND	ND	ND	ND	
AREA C	2/23/2015	ND	ND	ND	ND	ND	ND	
AREA D	2/23/2015	ND	ND	ND	ND	ND	ND	

MOST RECENT GEO_WELL DATA - HIDE VIEW ESI SUBMITTALS

NO GEO_WELL DATA HAS BEEN SUBMITTED TO GEOTRACKER ESI FOR THIS SITE

LOGGED IN AS MARKDETT

CONTACT GEOTRACKER HELP

ATTACHMENT 2

ATTACHMENT 2 GROUNDWATER SPECIFIC CRITERIA – NON PETROLEUM					
Has a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame?			Not Applicable (Non-petroleum contaminants do not appear to have impacted groundwater).		
Site Data			Comments		
Plume Length	Not Applicable				
Estimated Age of Plume	Not Applicable		----		
Non-Aqeuous Phase Liquid (NAPL)	Not Applicable		----		
Plume Stable or Decreasing	Not Applicable		----		
Distance to Nearest Water Supply Well	Not Applicable		> 2,000 feet		
Distance to Nearest Surface Water and Direction	Not Applicable		4,200 feet crossgradient; south-southwest		
GROUNDWATER CONCENTRATIONS FOR PRIMARY CONSTITUENTS OF CONCERN					
Constituent	Historic Site Maximum (ppb)	Current Site Maximum (ppb)	Constituent	Historic Site Maximum (ppb)	Current Site Maximum (ppb)
Tetrachloroethene	<0.5	<0.5			
Trichloroethene	<0.5	<0.5			

ATTACHMENT 2 LTCP GROUNDWATER SPECIFIC CRITERIA - PETROLEUM						
LTCP Groundwater Specific Scenario under which case was closed: **Scenario 2.**						
Site Data			LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Plume Length	< 250 feet		<100 feet	<250 feet	<250 feet	<1,000 feet
Free Product	No free product.		No free product	No free product	Removed to maximum extent practicable	No free product
Plume Stable or Decreasing	Stable		Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 Years	Stable or decreasing
Distance to Nearest Water Supply Well	> 2,000 feet		>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Distance to Nearest Surface Water and Direction	4,200 feet crossgradient		>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Property Owner Willing to Accept a Land Use Restriction?	Not applicable..		Not applicable	Not applicable	Yes	Not applicable
GROUNDWATER CONCENTRATIONS						
Constituent	Historic Site Maximum (ppb)	Current Site Maximum (ppb)	LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Benzene	<0.5	<0.5	No criteria	3,000	No criteria	1,000
MTBE	16	16	No criteria	1,000	No criteria	1,000
Scenario 5: If the site does not meet scenarios 1 through 4, has a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame?			----			

ATTACHMENT 3

ATTACHMENT 3 VAPOR SPECIFIC CRITERIA – NON-PETROLEUM	
Are maximum soil vapor concentrations less than relevant screening criteria?	Chemicals of concern are not volatile; therefore, soil vapor sampling was not required.
Has a determination been made that the potential for vapor intrusion poses a low threat to human health and safety under the current land use?	Yes
Has a determination been made that the potential for vapor intrusion poses a low threat to human health and safety if land use changes to a residential or other conservative land use in the future?	Yes

ATTACHMENT 3
LTCP VAPOR SPECIFIC CRITERIA - PETROLEUM

LTCP Vapor Specific Scenario under which case was closed: **Scenario 3**

Active Fueling Station	Active as of: Not Applicable

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3A Criteria	LTCP Scenario 3B Criteria	LTCP Scenario 3C Criteria	LTCP Scenario 4 Criteria
Unweathered NAPL	No NAPL	LNAPL in groundwater	LNAPL in soil	No NAPL	No NAPL	No NAPL	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	19 feet [1]	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Bioattenuation Zone	85 ppm [2]	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm
Maximum Current Benzene Concentration in Groundwater	<0.5 ppb	No criteria	No criteria	<100 ppb	≥100 and <1,000 ppb	<1,000 ppb	No criteria
Oxygen Data within Bioattenuation Zone	No oxygen data	No criteria	No criteria	No oxygen data or <4%	No oxygen data or <4%	≥4% at lower end of zone	≥4% at lower end of zone
Depth of soil vapor measurement beneath foundation	Not Applicable	No criteria	No criteria	No criteria	No criteria	No criteria	≥5 feet

SCENARIO 4 DIRECT MEASUREMENT OF SOIL VAPOR CONCENTRATIONS

Site Soil Vapor Data			No Bioattenuation Zone		Bioattenuation Zone	
Constituent	Historic Maximum ($\mu g/m^3$)	Current Maximum ($\mu g/m^3$)	Residential	Commercial	Residential	Commercial
Benzene	----	----	<85	<280	<85,000	<280,000
Ethylbenzene	----	----	<1,100	<3,600	<1,100,000	<3,600,000
Naphthalene	----	----	<93	<310	<93,000	<310,000

If the site does not meet scenarios 1 through 4, does a site-specific risk assessment for the vapor intrusion pathway demonstrate that human health is protected?	----
If the site does not meet scenarios 1 through 4, has a determination been made that petroleum vapors from soil or groundwater will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?	---

Comments:

[1] Relative to proposed residential project with a slab on grade foundation.

[2] All locations with concentrations of Total Petroleum Hydrocarbons (TPH) above the residential the Environmental Screening Levels (ESLs) for TPHmo promulgated by the San Francisco Bay Regional Water Quality Control Board (RWQCB of 100 mg/kg (ppm) in the gasoline (TPHg) and the diesel (TPHd) carbon ranges have been remediated by excavation, and offsite disposal.

The highest residual concentration of TPHg or TPHd is 85 mg/kg. Four locations (BASB027, BASB032, BASB033, and BASB073) are documented to contain concentrations of TPH as motor oil (TPHmo) between 120 milligrams per kilogram (mg/kg) and 360 mg/kg ranging between the approximate depths of 2.5 and 5.0 feet below grade surface (bgs). At the next sampling interval, ranging from 4.5 and 6 feet bgs, concentrations were documented to be between <5 and 12 mg/kg TPHmo at these locations.

These concentrations are above the ESL for TPHmo; however, are substantially below the direct contact ESL for TPHmo of 100,000 mg/kg. The areas of contamination appear to be limited vertically and the presence of any visually stained soil will be managed with a Site Management Plan (SMP) at the time of development.

ATTACHMENT 4

ATTACHMENT 4 DIRECT CONTACT CRITERIA – NON-PETROLEUM	
Are maximum soil concentrations within the upper 10 feet less than relevant screening criteria?	Yes
Has a determination been made that the potential for direct contact with site contamination in shallow soil (upper 10 feet) poses a low threat to human health and safety under the current land use?	Yes
Has a determination been made that the potential for direct contact with site contamination in shallow soil (upper 10 feet) poses a low threat to human health and safety if land use changes to a residential or other conservative land use in the future?	Yes; provided the redevelopment is managed by a Site Management Plan approved by ACEH.

ATTACHMENT 4 LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA - PETROLEUM						
LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: **A determination been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health.**						
Are maximum concentrations less than those in Table 1 below?		----				
Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (ppm)	Volatilization to outdoor air (5 to 10 feet bgs) ppm	0 to 5 feet bgs (ppm)	Volatilization to outdoor air (5 to 10 feet bgs) ppm	0 to 10 feet bgs (ppm)
Site Maximum	Benzene	<0.5	<0.5	<0.5	<0.5	<0.5
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	---	----	----	----	----
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	----	----	----	----	----
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5
If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?		----				
If maximum concentrations are greater than those in Table 1, has a determination been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?		----				

Comments: Naphthalene and PAHs were not analyzed at the site in proximity to waste oil releases (as TPHmo). The highest residual concentration of TPHmo present at the site is a concentration of 360 mg/kg documented at four locations (soil bores BASB027, BASB032, BASB033, and BASB073) ranging between the depths of 2.5 and 5.0 feet below grade surface (bgs). However, the vertical extent of TPHmo contamination appears to be limited based on samples collected at a depth of 6 and 4.5 feet, respectively, where concentrations were documented to be <5 mg/kg and 12 mg/kg TPHmo, respectively.

Residual TPHmo contamination, and any associated naphthalene and PAHs, can be managed at the time of redevelopment with a SMP. Utility workers should use standard health and safety protocols.

ATTACHMENT 5

APPROX. SCALE

0 1.0 2.0 MI

SOURCE: USGS 1:24,000 SCALE SERIES SAN LEANDRO, CA QUAD

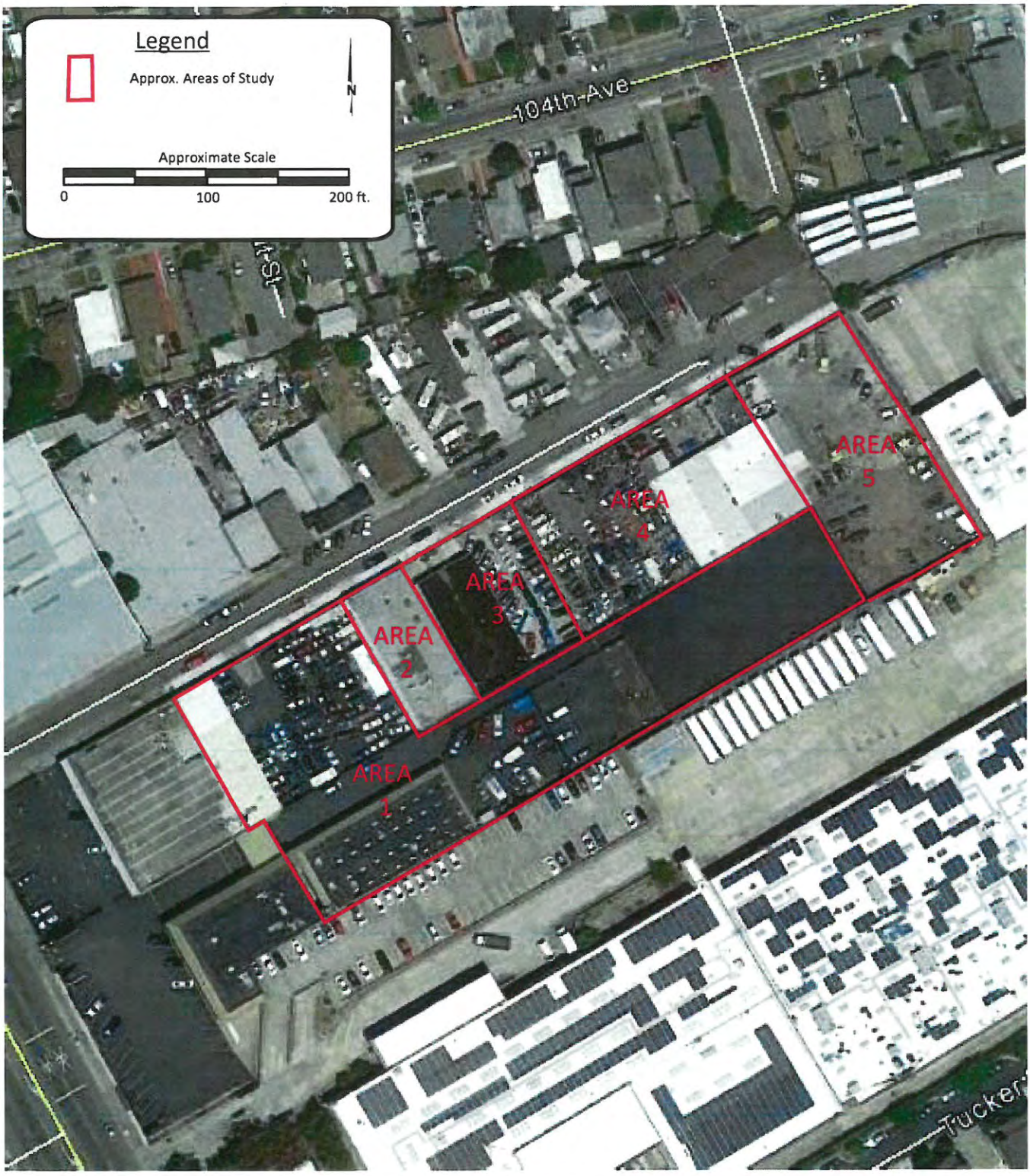
WellTest, Inc.
Contractor License No. 843074

10500 INDUSTRIAL BLVD.
OAKLAND, CALIFORNIA

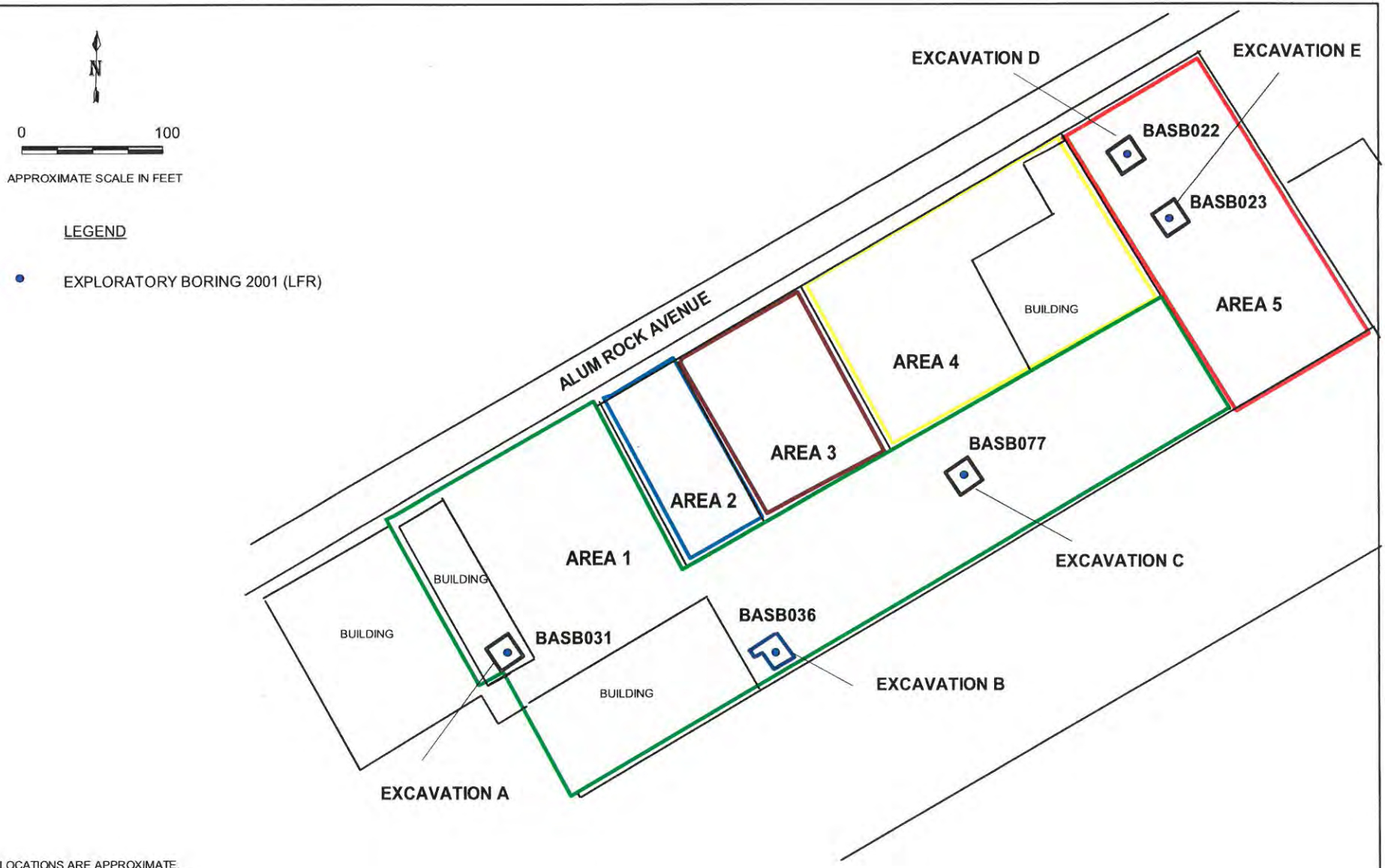
SITE VICINITY TOPO MAP

FIGURE

1



WellTest, Inc. *Contractor License No. 843074*	**10500 INDUSTRIAL BLVD.** **OAKLAND, CALIFORNIA**	**FIGURE**
	AERIAL PHOTOGRAPH OF SITE VICINITY	**2**



ALL LOCATIONS ARE APPROXIMATE.
BASEMAP FROM GOOGLE EARTH 2015

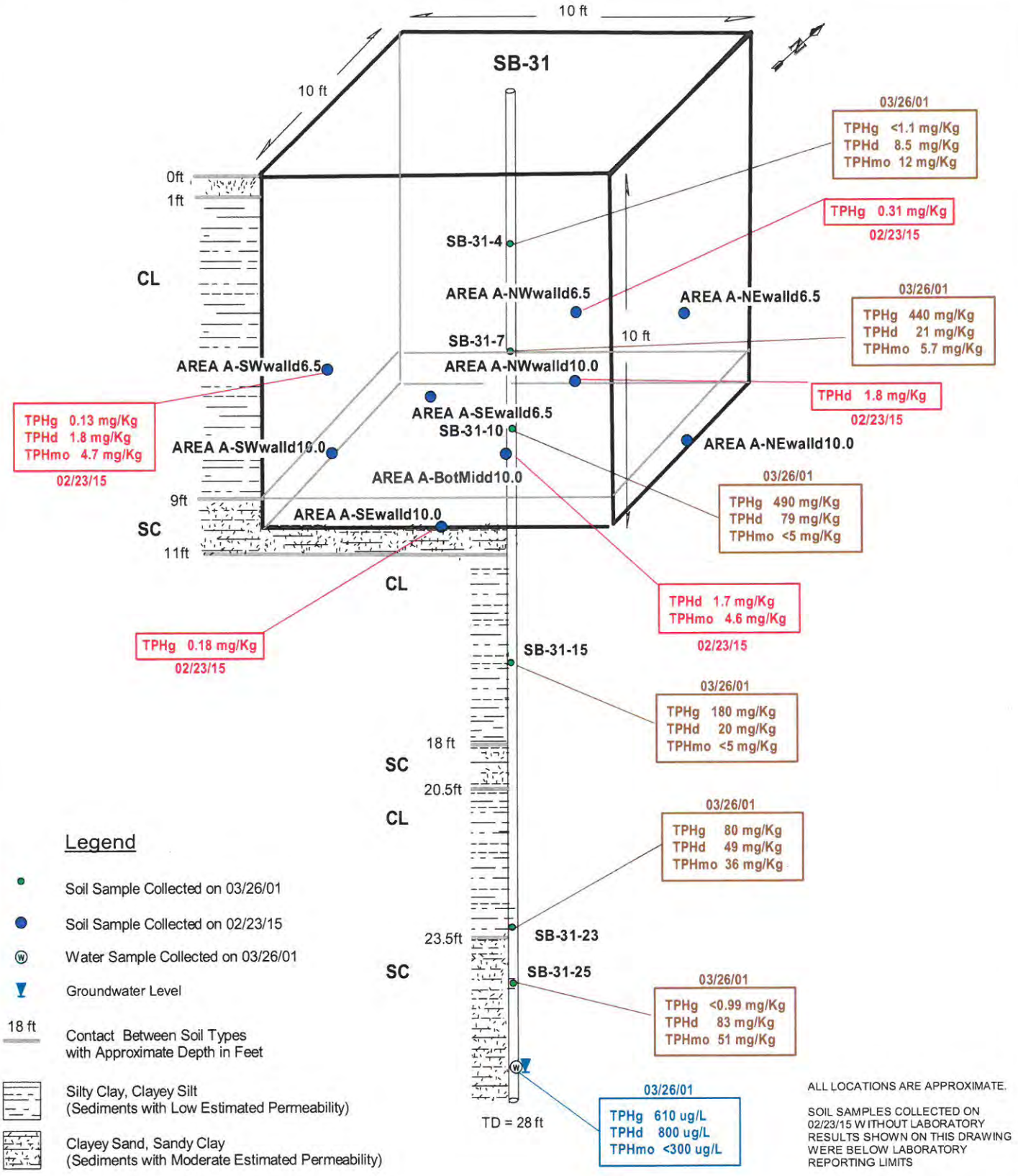
WellTest, Inc.
License No. 843074
P.O. Box 8548
San Jose, CA 95155
Phone (408) 287-2175

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



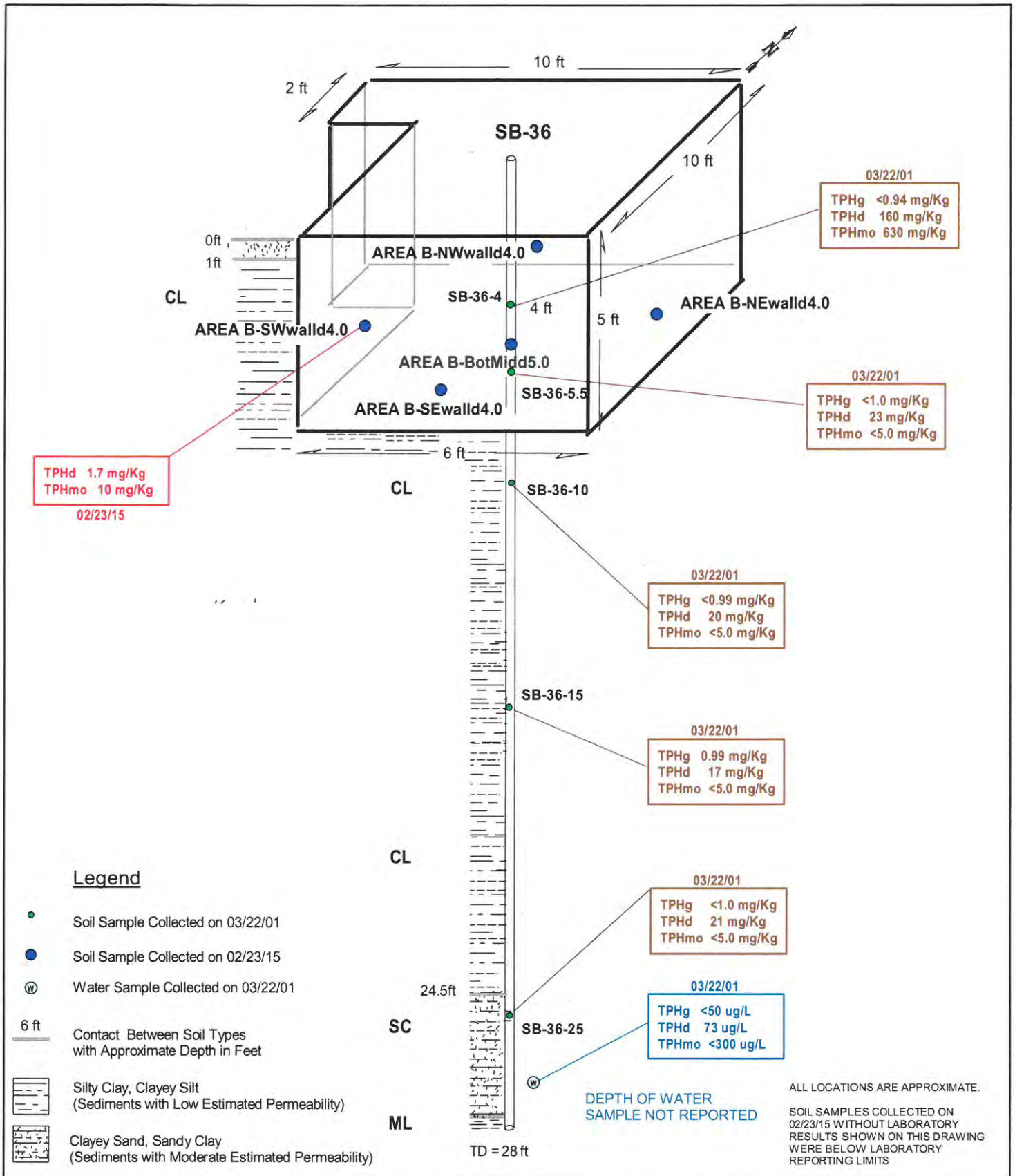
WellTest, Inc.
License No. 843074
P.O. Box 8548
San Jose, CA 95155
Phone (408) 287-2175

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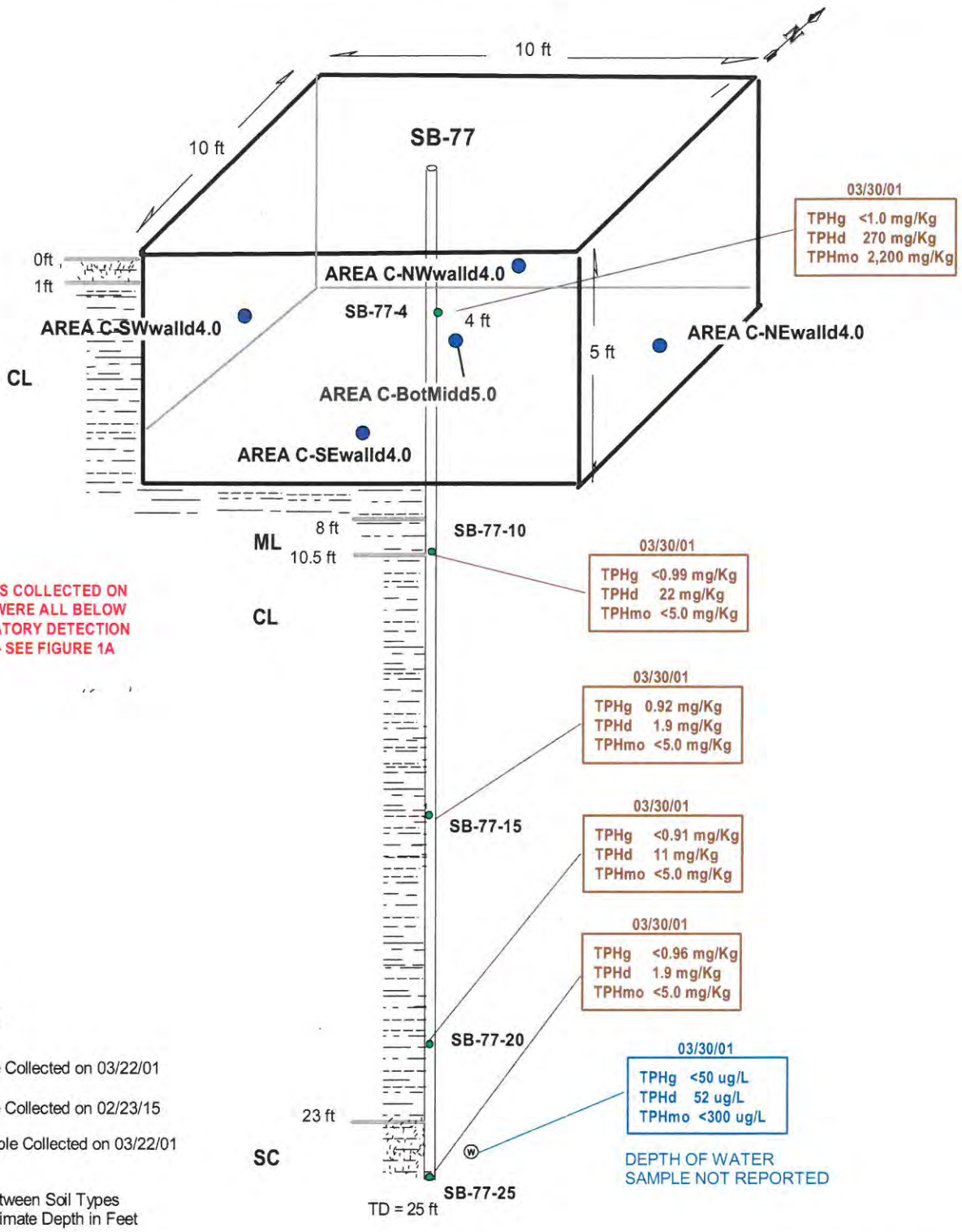
AREA "B" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

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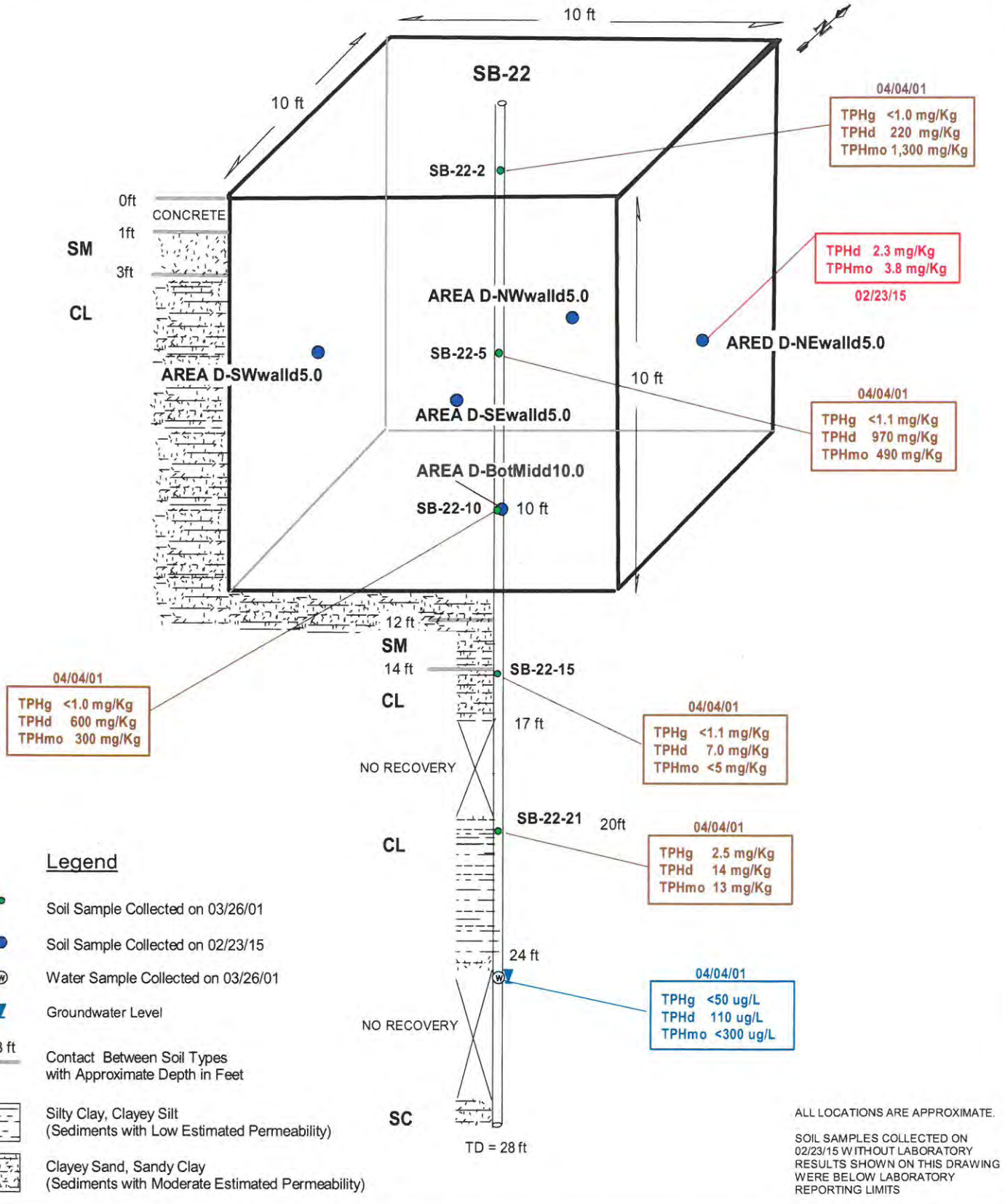
AREA "C" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

BATARSE PROPERTY
10550 INDUSTRIAL AVENUE
OAKLAND, CALIFORNIA

FIGURE 6

File: 4409/Figure 6



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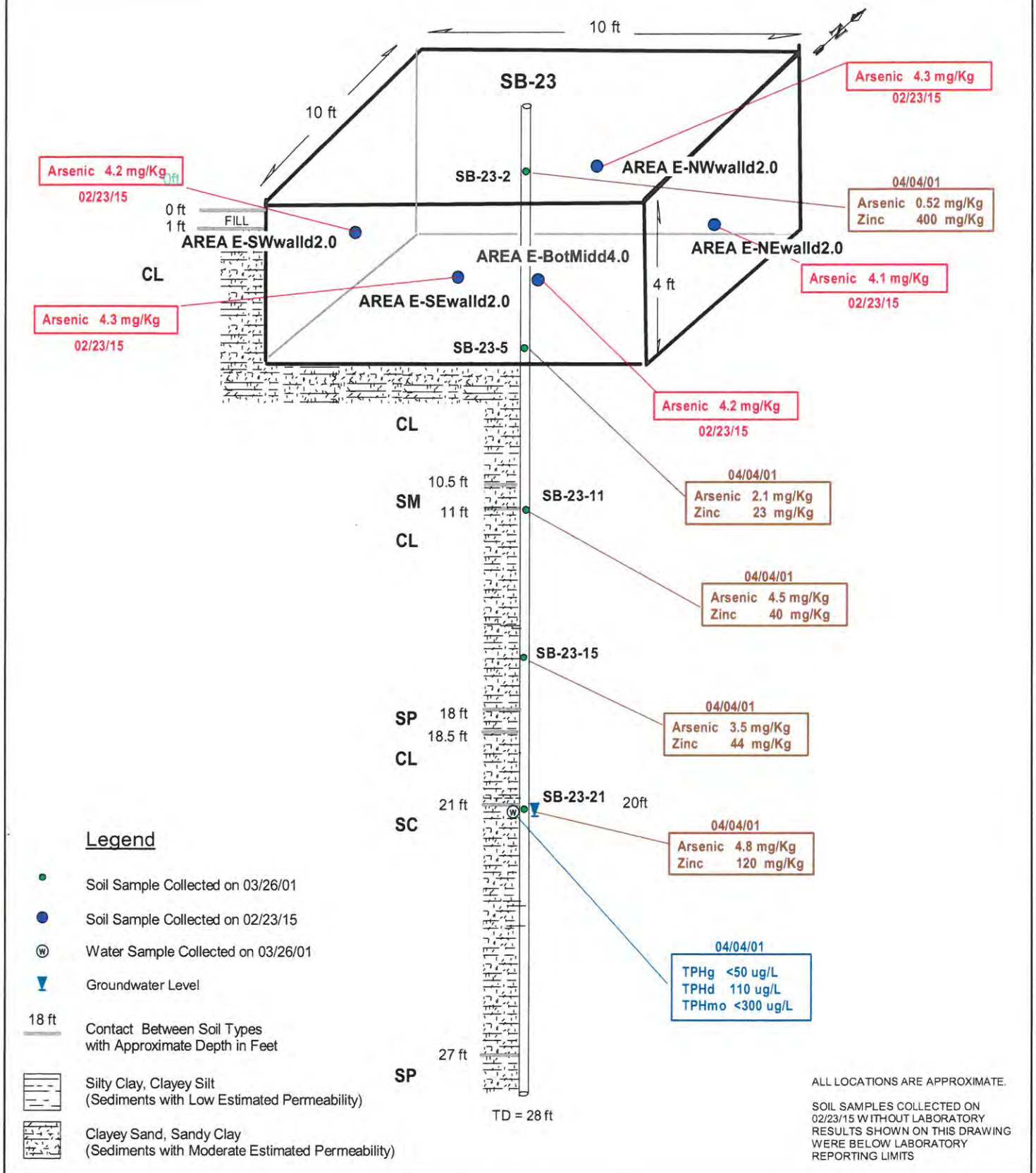
AREA "D" EXCAVATION DIAGRAM AND SOIL SAMPLE LOCATIONS (2001 AND 2015)

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

SOURCE: Delorme Street Atlas USA Version 6.0

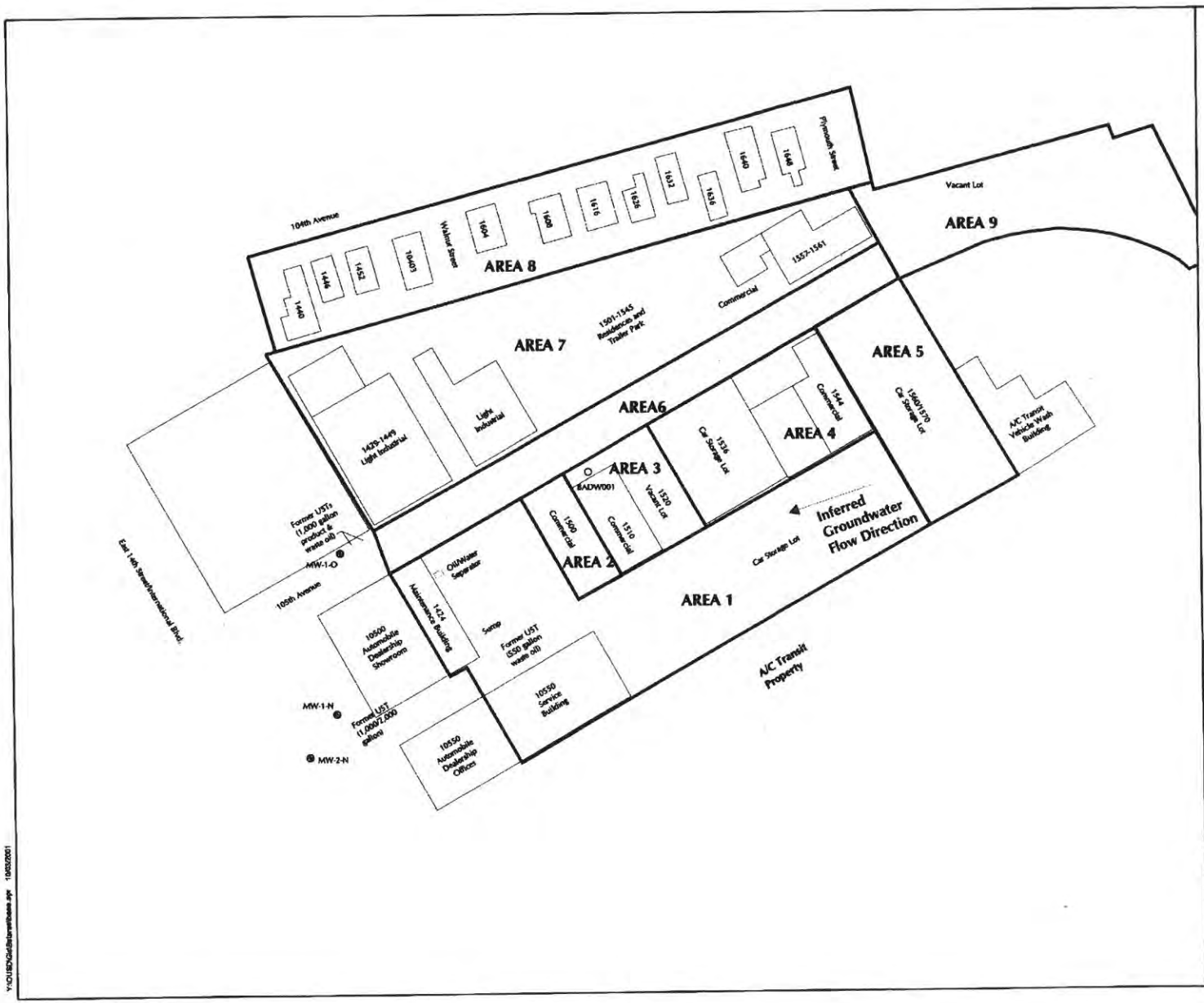
Site Location Map

Batarse Site, Oakland, CA

LFR LEVINE • FRICKE

Figure 1

7962SV01.CDR 1215000



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Site Plan

Batarse Site, Oakland, California

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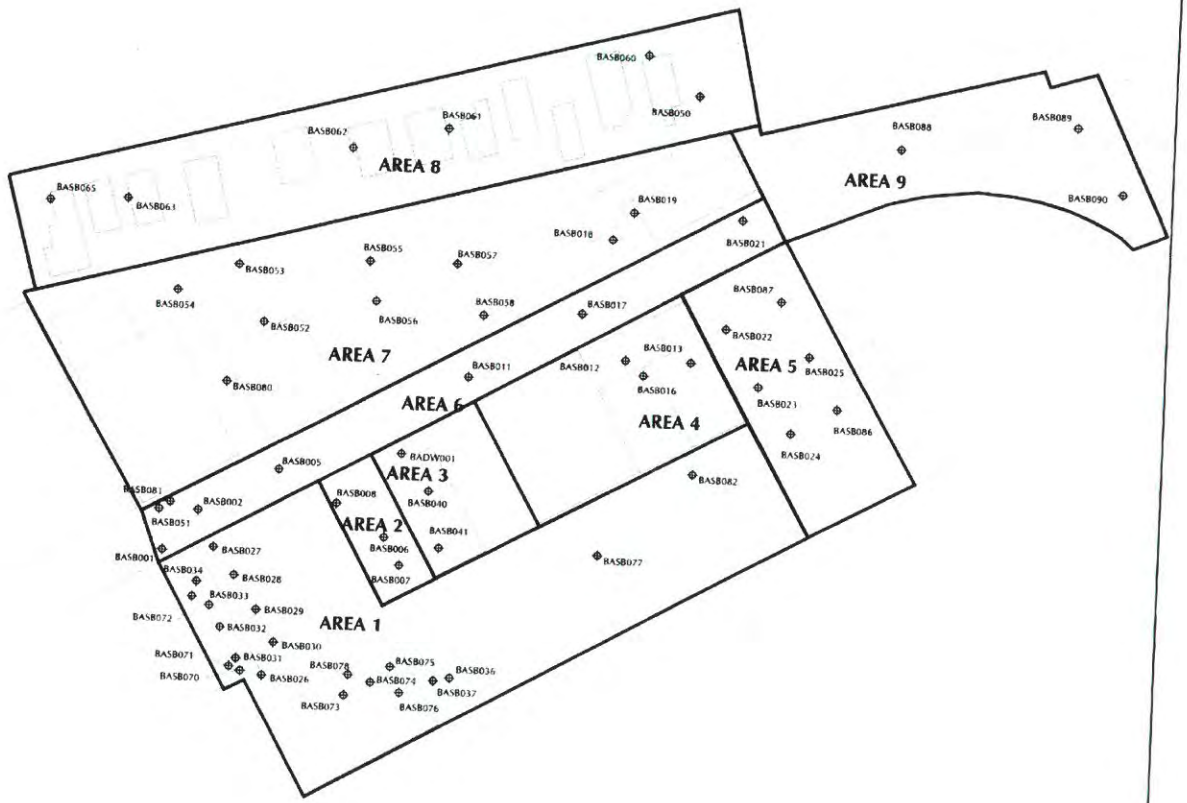
Figure 2



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Sampling Locations

Batarse Site, Oakland, California

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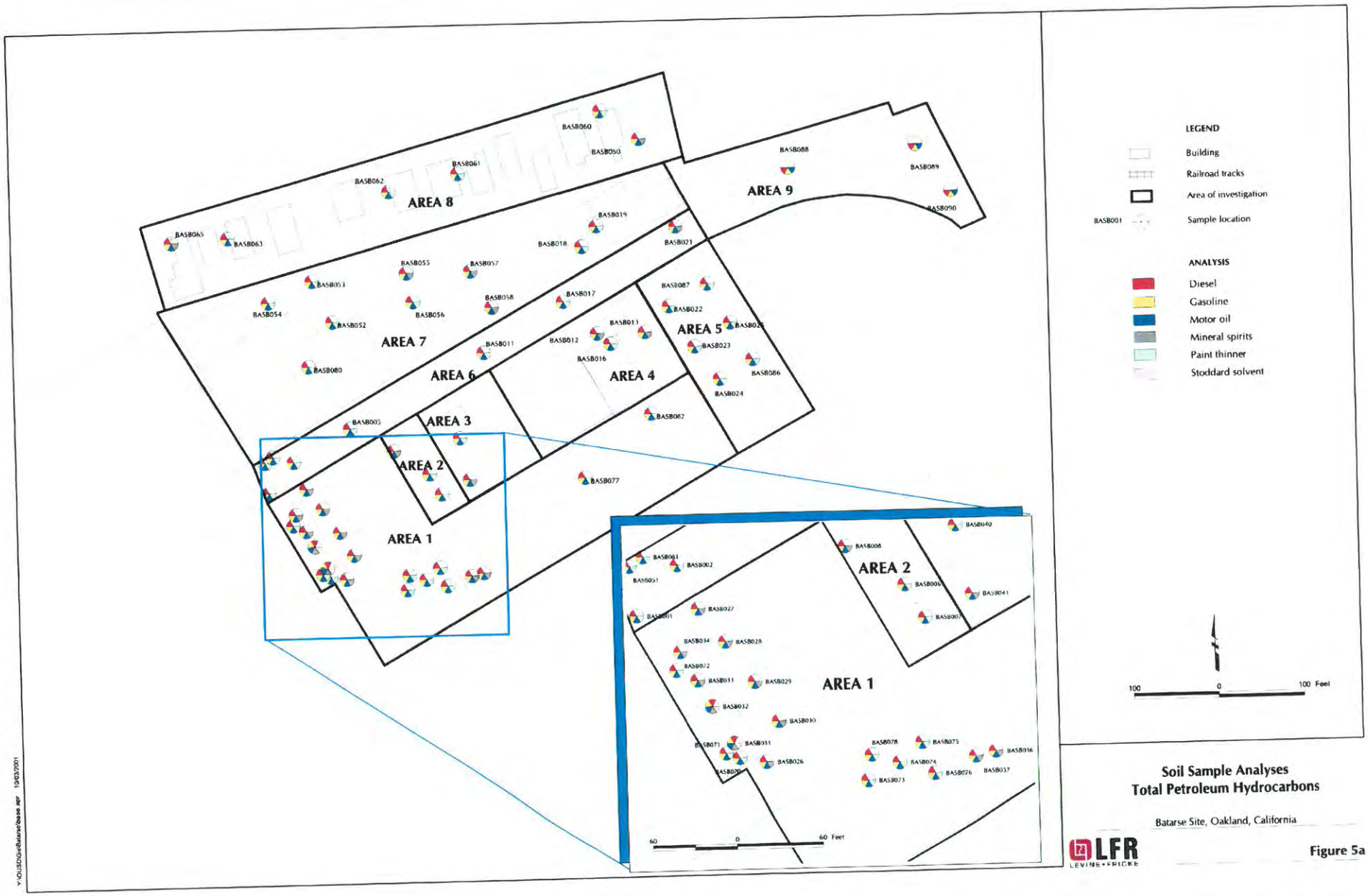
Figure 4



Soil Sample Analyses
Total Petroleum Hydrocarbons

Batarse Site, Oakland, California

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Figure 5a

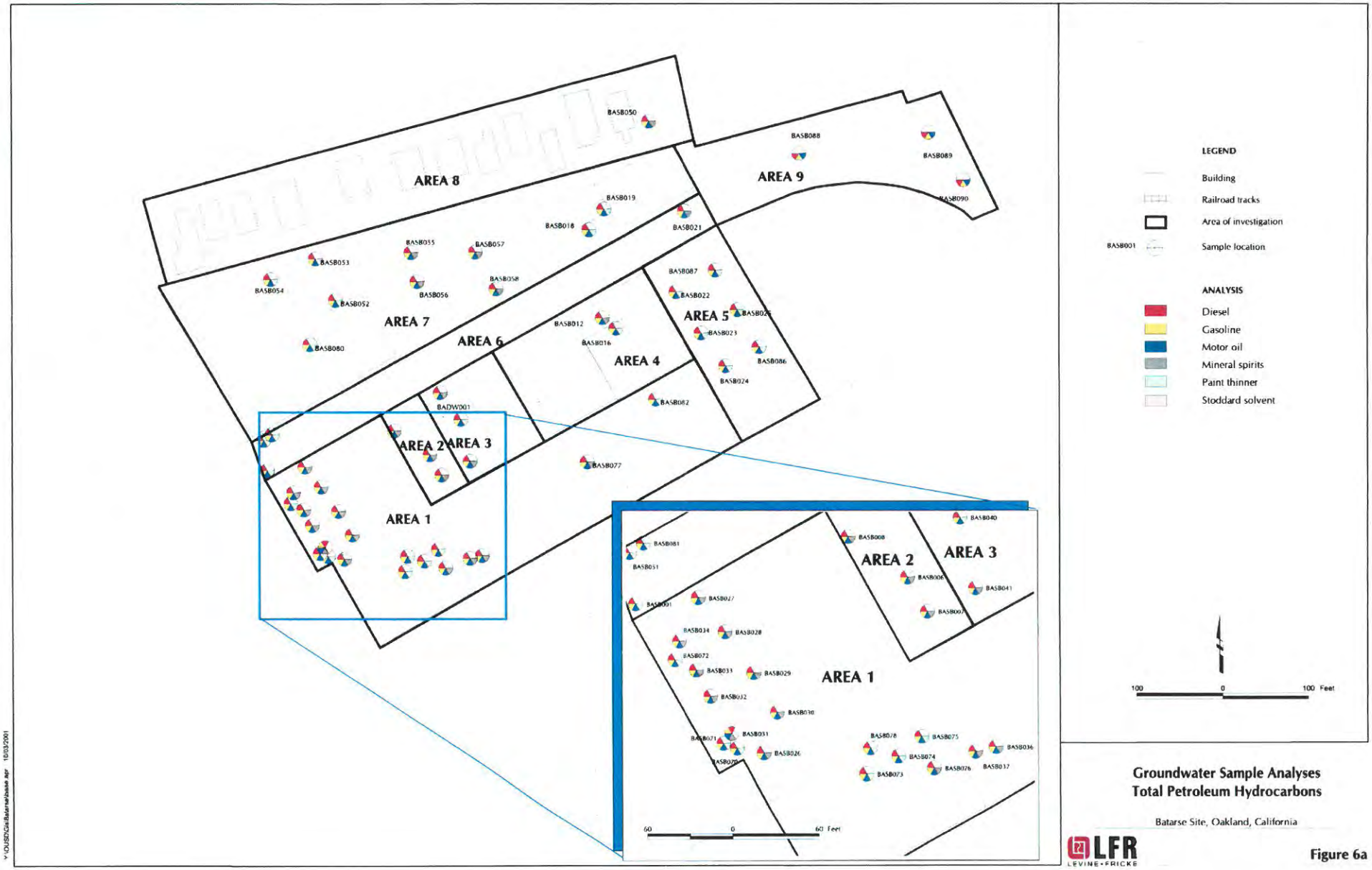
Y:\OLSD\Gis\Batarse\base.apr 10/03/2001

Soil Sample Analyses
Other Analytes

Batarse Site, Oakland, California

LFR LEVINE-FRICKE

Figure 5b

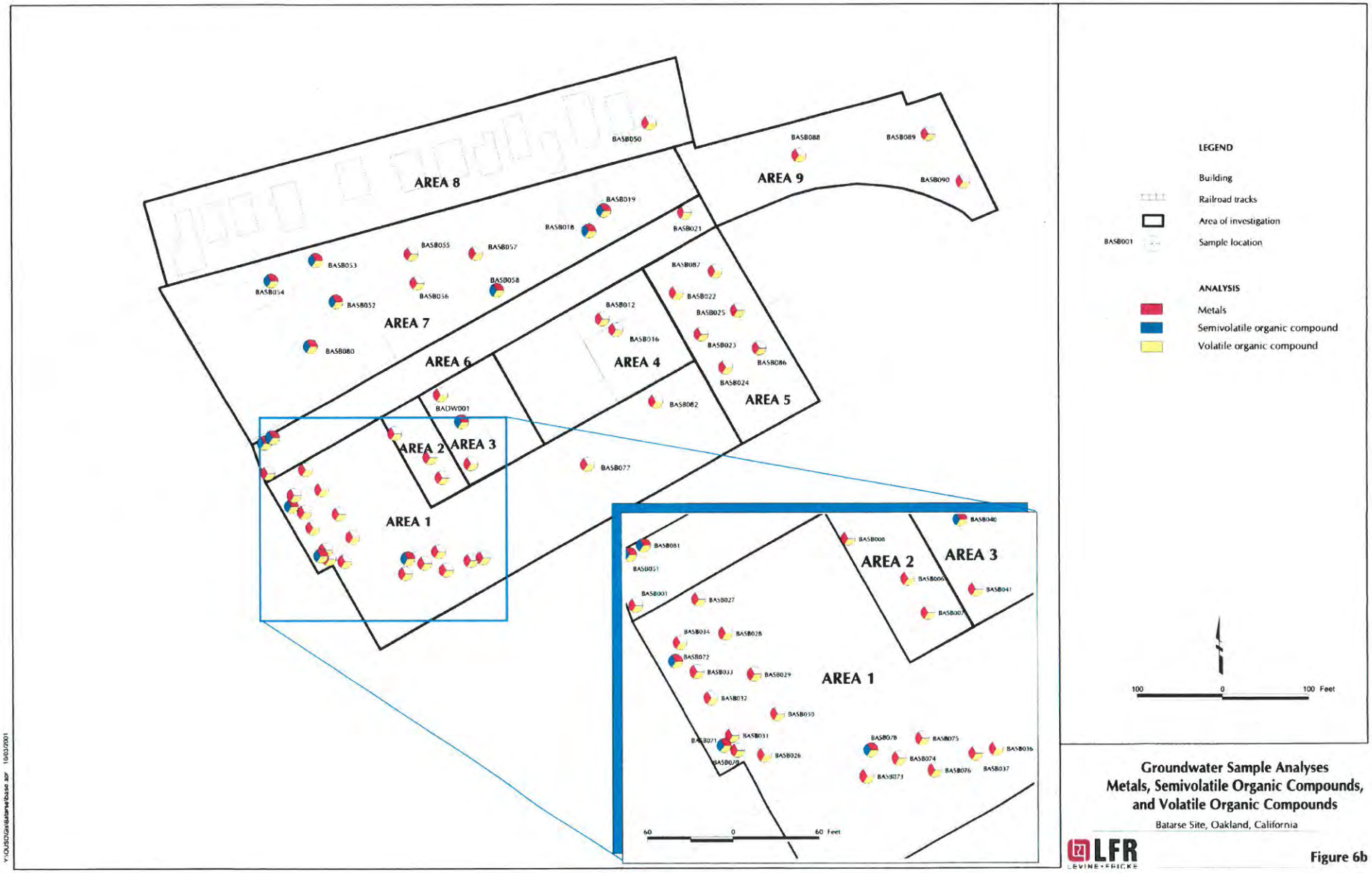


Groundwater Sample Analyses
Total Petroleum Hydrocarbons

Batarse Site, Oakland, California

LFR LEVINE•FRICKE

Figure 6a



Groundwater Sample Analyses
Metals, Semivolatile Organic Compounds, and Volatile Organic Compounds

Batarse Site, Oakland, California

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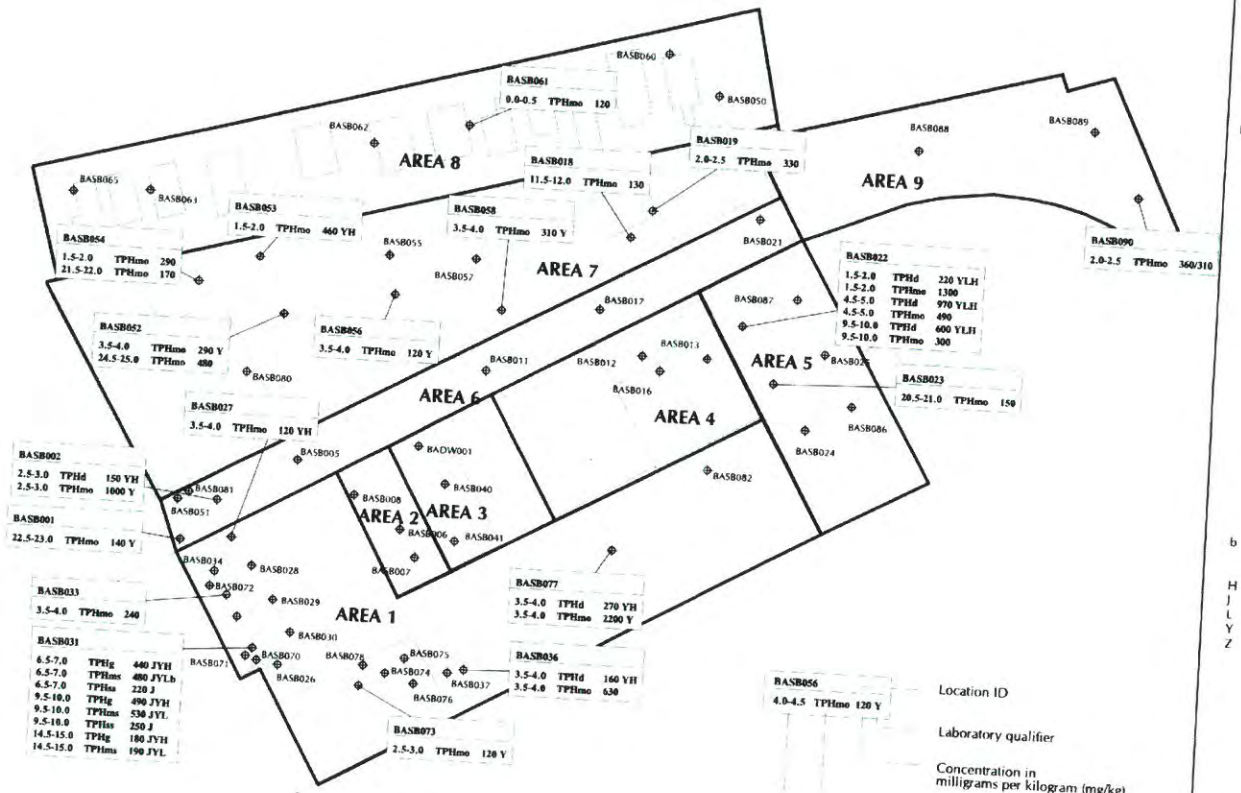
Figure 6b



LEGEND

BASB001 ⊕ Sample location

Building

Railroad tracks

Area of investigation

ABBREVIATIONS

TPH	Total Petroleum Hydrocarbons
TPHd	TPH as diesel
TPHg	TPH as gasoline
TPHms	TPH as mineral spirits
TPHss	TPH as stoddard solvents

LABORATORY QUALIFIERS

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

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.

100 0 100 Feet

Areas of Concern
Concentrations of Total Petroleum Hydrocarbons in Soil

Batarse Site, Oakland, California

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Figure 7

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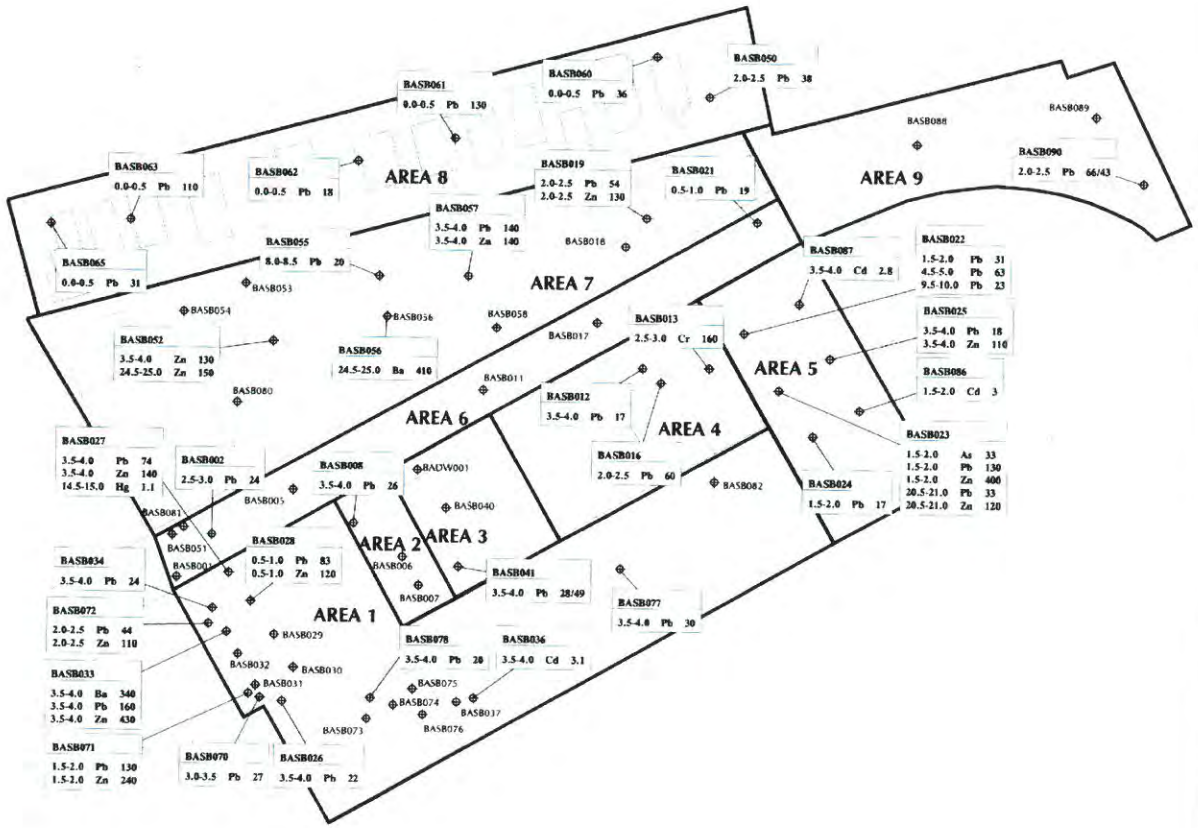

LEGEND

BASB001 ⊕ Sample location

Building

Railroad tracks

Area of investigation

ABBREVIATIONS

As	Arsenic
Cd	Cadmium
Hg	Lead
Pb	Mercury
Zn	Zinc

BASB055 8.5-9.0 Pb 20

Location ID

Concentration in milligrams per kilogram (mg/kg)

Analyte

Depth (in feet below ground surface)

100 0 100 Feet

Areas of Concern
Concentrations of Metals in Soil

Batarse Site, Oakland, California

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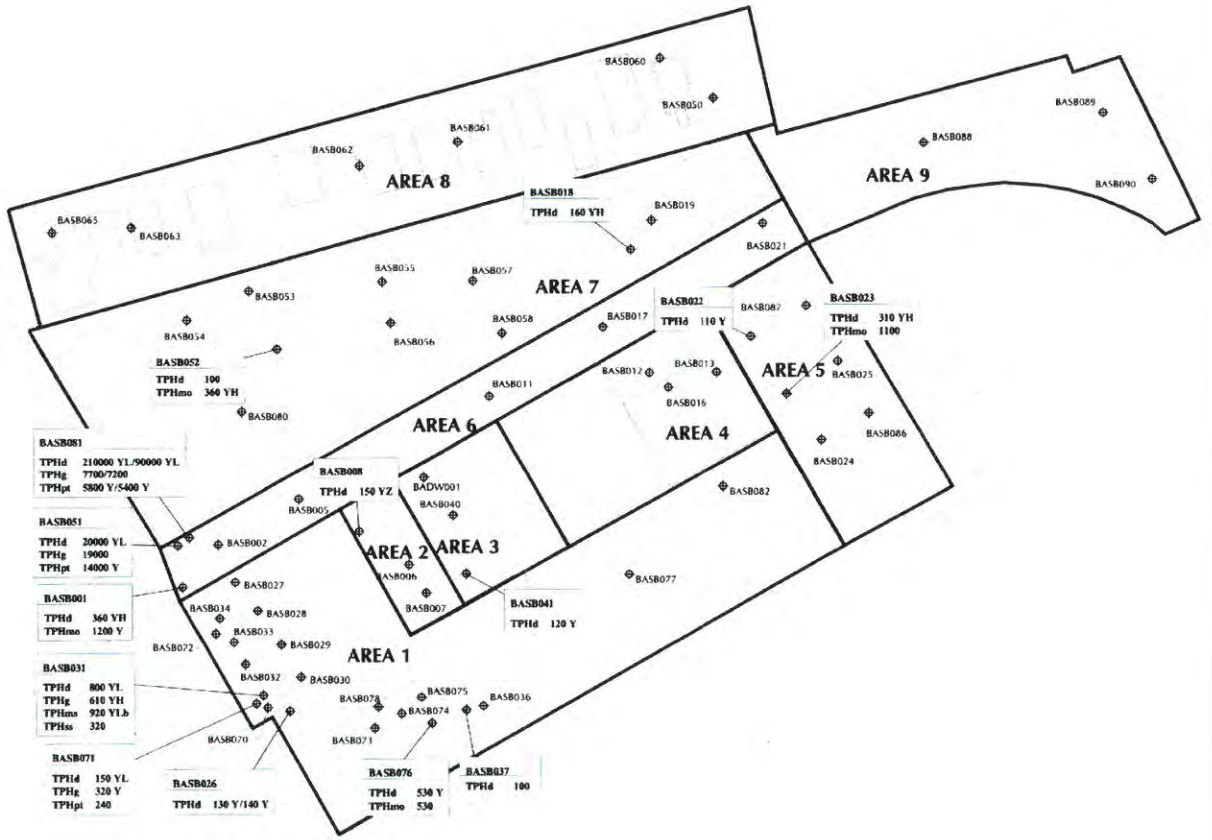
Figure 8



LEGEND

BASB001 ⊕ Sample location

Building

Tank

Railroad tracks

Area of investigation

ABBREVIATIONS

TPH	Total Petroleum Hydrocarbons
TPHd	TPH as diesel
TPHg	TPH as gasoline
TPHms	TPH as mineral spirits
TPHpt	TPH as paint thinner
TPHss	TPH as stoddard solvents

LABORATORY QUALIFIERS

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

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

BASB018
TPHd 160 YH

Location ID

Laboratory qualifier

Concentration in micrograms per liter (µg/l)

Analyte

100 0 100 Feet

Areas of Concern Concentrations of Total Petroleum Hydrocarbons in Groundwater

Batarse Site, Oakland, California

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Figure 9

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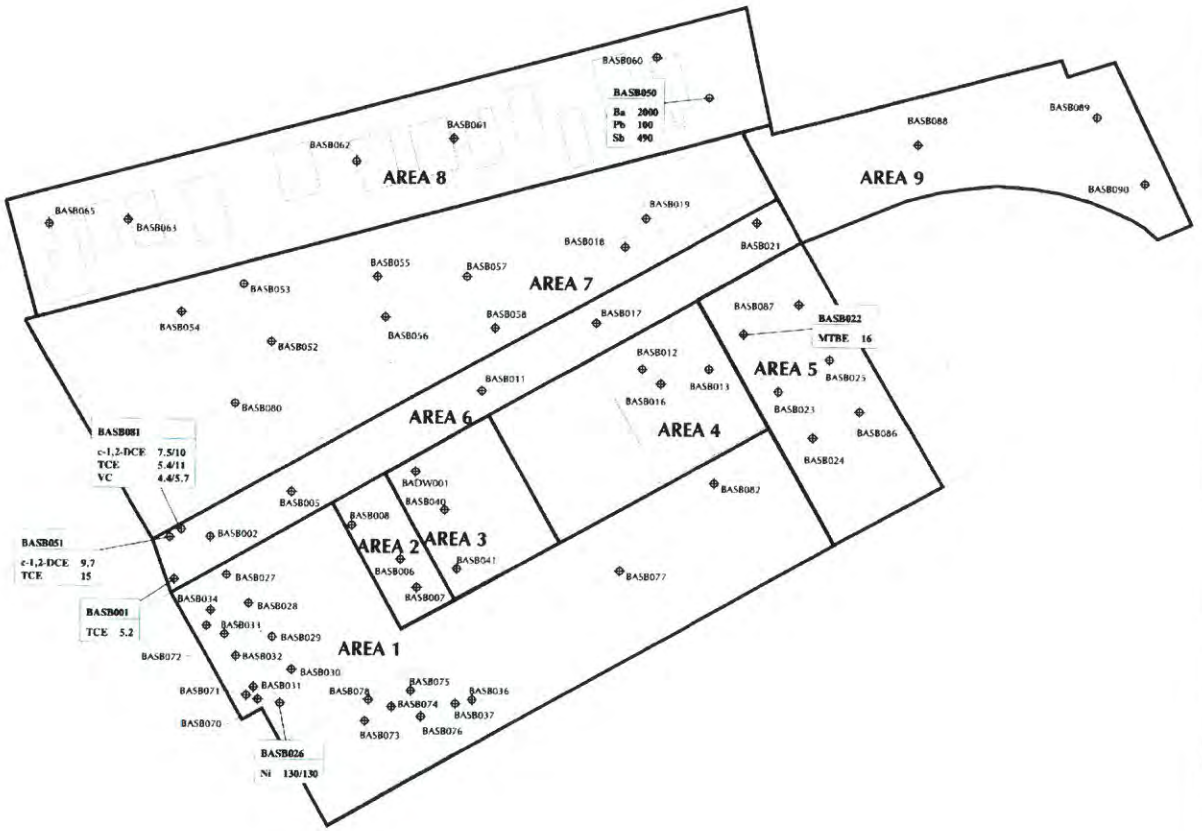

LEGEND

BASB001 ⊕ Sample location

Building

Tank

Railroad tracks

Area of investigation

ABBREVIATIONS

c-1,2-DCE	cis-1,2-Dichloroethene
MTBE	Methyl tertiary-butyl ether
TCE	Trichlorethene
VC	Vinyl chloride
Ba	Barium
Ni	Nickel
Pb	Lead
Sb	Antimony

BASB026 — Location ID

Ni 130/130 — Duplicate result

Concentration in micrograms per liter (µg/l)

Analyte

100 0 100 Feet

Areas of Concern
Concentrations of Volatile Organic Compounds and Metals in Groundwater

Batarse Site, Oakland, California

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Figure 10

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ATTACHMENT 6

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
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.

Table 4
Sample Matrix Analysis Summary
Batarse Site, Oakland, California

Location ID	Area	Soil	Water
BADW001	3		X
BASB001	6	X	X
BASB002	6	X	
BASB005	6	X	
BASB006	2	X	X
BASB007	2	X	X
BASB008	2	X	X
DUP	2	X	
BASB011	6	X	
BASB012	4	X	X
DUP	4	X	
BASB013	4	X	
BASB016	4	X	X
DUP	4		X
BASB017	6	X	
BASB018	7	X	X
BASB019	7	X	X
DUP	7		X
BASB021	6	X	X
BASB022	5	X	X
BASB023	5	X	X
BASB024	5	X	X
BASB025	5	X	X
DUP	5	X	
BASB026	1	X	X
DUP	1		X
BASB027	1	X	X
BASB028	1	X	X
BASB029	1	X	X
DUP	1	X	
BASB030	1	X	X
BASB031	1	X	X
BASB032	1	X	X
DUP	1	X	
BASB033	1	X	X
BASB034	1	X	X
BASB036	1	X	X
DUP	1	X	
BASB037	1	X	X
BASB040	3	X	X

Table 4
Sample Matrix Analysis Summary
Batarse Site, Oakland, California

Location ID	Area	Soil	Water
DUP	3	X	
BASB041	3	X	X
DUP	3	X	
BASB050	8	X	X
BASB051	6	X	X
RE	6	X	
BASB052	7	X	X
RE	7	X	
BASB053	7	X	X
BASB054	7	X	X
BASB055	7	X	X
BASB056	7	X	X
BASB057	7	X	X
BASB058	7	X	X
DUP	7	X	
BASB060	8	X	
BASB061	8	X	
BASB062	8	X	
BASB063	8	X	
BASB065	8	X	
BASB070	1	X	X
BASB071	1	X	X
BASB072	1	X	X
BASB073	1	X	X
BASB074	1	X	X
BASB075	1	X	X
BASB076	1	X	X
BASB077	1	X	X
DUP	1	X	
BASB078	1	X	X
BASB080	7	X	X
BASB081	6	X	X
RE	6	X	
DUP	6		X
BASB082	1	X	X
BASB086	5	X	X
BASB087	5	X	X
DUP	5	X	
BASB088	9	X	X
DUP	9	X	X

Table 4
Sample Matrix Analysis Summary
Batarse Site, Oakland, California

Location ID	Area	Soil	Water
BASB089	9	X	X
BASB090	9	X	X
DUP	9	X	

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

Notes:

Numerical gaps in Location ID indicate sampling locations were not used.

DUP = Duplicate sample

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

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 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 6											
BASB001	SB-1-23'	02-Apr-01	X	X				X			
BASB002	SB-2-3'	31-Mar-01	X	X		X		X	X		
BASB005	SB-5-3'	31-Mar-01	X	X		X		X	X		
BASB011	SB-11-3'	05-Apr-01	X	X		X		X	X		
BASB017	SB-17-3'	05-Apr-01	X	X		X		X	X		
BASB021	SB-21-GGW	29-Mar-01	X	X				X			X
BASB021	SB-21-1'	29-Mar-01	X	X				X			
BASB021	SB-21-5'	29-Mar-01	X	X				X			
BASB021	SB-21-10'	29-Mar-01	X	X				X			
BASB021	SB-21-15'	29-Mar-01	X	X				X			
BASB021	SB-21-25'	29-Mar-01	X	X				X			
BASB051	SB-51-GGW	02-Apr-01	X	X				X			X
BASB051	SB-51-3'	02-Apr-01	X	X				X			
BASB051	SB-51-10'	02-Apr-01	X	X				X	X		
RE	SB-51-10'RE	02-Apr-01							X		
BASB051	SB-51-15'	02-Apr-01	X	X				X			
BASB051	SB-51-23'	02-Apr-01	X	X				X	X		
RE	SB-51-23'RE	02-Apr-01							X		
BASB051	SB-51-GGW	03-Apr-01							X		
BASB081	SB-81-20	04-Apr-01								X	
BASB081	SB-81-27	04-Apr-01								X	
BASB081	SB-81-GGW	05-Apr-01	X	X				X	X		X
DUP	SB-181-GGW	05-Apr-01	X	X				X	X		X
BASB081	SB-81-3'	05-Apr-01	X	X				X			X
BASB081	SB-81-5'	05-Apr-01	X	X				X			X
BASB081	SB-81-10'	05-Apr-01	X	X				X			X
BASB081	SB-81-15'	05-Apr-01	X	X				X			X
BASB081	SB-81-26'	05-Apr-01	X	X				X	X		X
RE	SB-81-26'RE	05-Apr-01							X		
Area 7											
BASB018	SB-18-GGW	05-Apr-01	X	X				X	X		X
BASB018	SB-18-3'	05-Apr-01	X	X				X			
BASB018	SB-18-6'	05-Apr-01	X	X				X			
BASB018	SB-18-12'	05-Apr-01	X	X				X			
BASB018	SB-18-15'	05-Apr-01	X	X				X			
BASB018	SB-18-20'	05-Apr-01	X	X				X			
BASB019	SB-19-GGW	05-Apr-01	X	X				X	X		X
DUP	SB-119-GGW	05-Apr-01	X	X				X	X		X
BASB019	SB-19-2.5'	05-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 7											
BASB019	SB-19-5'	05-Apr-01	X	X		X		X	X		
BASB019	SB-19-10'	05-Apr-01	X	X				X			
BASB019	SB-19-15'	05-Apr-01	X	X				X			
BASB019	SB-19-25'	05-Apr-01	X	X				X			
BASB052	SB-52-GGW	02-Apr-01	X	X				X			X
BASB052	SB-52-2'	02-Apr-01	X	X				X			
BASB052	SB-52-4'	02-Apr-01	X	X				X	X		
RE	SB-52-4'RE	02-Apr-01							X		
BASB052	SB-52-10'	02-Apr-01	X	X				X			
BASB052	SB-52-15'	02-Apr-01	X	X				X			
BASB052	SB-52-23'	02-Apr-01	X	X				X			
BASB052	SB-52-25'	02-Apr-01	X	X				X	X		
RE	SB-52-25'RE	02-Apr-01							X		
BASB053	SB-53-GGW	03-Apr-01	X	X				X	X		X
BASB053	SB-53-2'	03-Apr-01	X	X				X			
BASB053	SB-53-5'	03-Apr-01	X	X				X			
BASB053	SB-53-11'	03-Apr-01	X	X				X			
BASB053	SB-53-15'	03-Apr-01	X	X				X			
BASB053	SB-53-20'	03-Apr-01	X	X				X			
BASB054	SB-54-GGW	03-Apr-01	X	X				X	X		X
BASB054	SB-54-2'	03-Apr-01	X	X				X			
BASB054	SB-54-5'	03-Apr-01	X	X				X			
BASB054	SB-54-10'	03-Apr-01	X	X				X			
BASB054	SB-54-15'	03-Apr-01	X	X				X			
BASB054	SB-54-22'	03-Apr-01	X	X				X			
BASB055	SB-55-GGW	29-Mar-01	X	X				X			X
BASB055	SB-55-8.5'	29-Mar-01	X	X				X			
BASB055	SB-55-10'	29-Mar-01	X	X				X			
BASB055	SB-55-15'	29-Mar-01	X	X				X			
BASB055	SB-55-20.5'	29-Mar-01	X	X				X			
BASB055	SB-55-25'	29-Mar-01	X	X				X			
BASB056	SB-56-GGW	30-Mar-01	X	X				X			X
BASB056	SB-56-4'	30-Mar-01	X	X				X			
BASB056	SB-56-6'	30-Mar-01	X	X				X			
BASB056	SB-56-10'	30-Mar-01	X	X				X			
BASB056	SB-56-15'	30-Mar-01	X	X				X			
BASB056	SB-56-20'	30-Mar-01	X	X				X			
BASB056	SB-56-25'	30-Mar-01	X	X				X			
BASB057	SB-57-GGW	28-Mar-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 7											
BASB057	SB-57-4'	28-Mar-01	X	X				X			
BASB057	SB-57-6'	28-Mar-01	X	X				X			
BASB057	SB-57-10'	28-Mar-01	X	X				X			
BASB057	SB-57-15'	28-Mar-01	X	X				X			
BASB057	SB-57-25'	28-Mar-01	X	X				X			
BASB058	SB-58-GGW	21-Mar-01	X	X				X	X		X
BASB058	SB-58-4	21-Mar-01	X	X				X			X
DUP	SB-58-5.5	21-Mar-01	X	X				X			X
BASB058	SB-58-10	21-Mar-01	X	X				X			X
BASB058	SB-58-15	21-Mar-01	X	X				X			X
BASB058	SB-58-25	21-Mar-01	X	X				X			X
BASB080	SB-80-GGW	03-Apr-01	X	X				X	X		X
BASB080	SB-80-2'	03-Apr-01	X	X				X			
BASB080	SB-80-5'	03-Apr-01	X	X				X			
BASB080	SB-80-10'	03-Apr-01	X	X				X			
BASB080	SB-80-15'	03-Apr-01	X	X				X			
BASB080	SB-80-24'	03-Apr-01	X	X				X			
Area 8											
BASB050	SB-50-GGW	20-Mar-01	X	X				X			X
BASB050	SB-50-2.5	20-Mar-01	X	X				X			X
BASB050	SB-50-5	20-Mar-01	X	X				X			X
BASB050	SB-50-10	20-Mar-01	X	X				X			X
BASB050	SB-50-15	20-Mar-01	X	X				X			X
BASB050	SB-50-25	20-Mar-01	X	X				X			X
BASB060	SB-60	05-Apr-01	X	X				X			
BASB061	SB-61	05-Apr-01	X	X	X		X	X			
BASB062	SB-62	05-Apr-01	X	X				X			
BASB063	SB-63	05-Apr-01	X	X				X			
BASB065	SB-65	22-Mar-01	X	X	X		X	X			
Area 9											
BASB088	SB-88-GGW	09-Jul-01	X	X				X			X
DUP	SB-88-GGW DUP	09-Jul-01		X				X			X
BASB088	SB-88-3.5'	09-Jul-01	X	X				X			X
DUP	SB-88-3.5' DUP	09-Jul-01	X	X				X			X
BASB088	SB-88-5'	09-Jul-01	X	X				X			X
BASB088	SB-88-10'	09-Jul-01	X	X				X			X
BASB088	SB-88-15'	09-Jul-01	X	X				X			X
BASB088	SB-88-25.5'	09-Jul-01	X	X				X			X
BASB089	SB-89-GGW	09-Jul-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 9											
BASB089	SB-89-3.5'	09-Jul-01	X	X				X			X
BASB089	SB-89-5'	09-Jul-01	X	X				X			X
BASB089	SB-89-10'	09-Jul-01	X	X				X			X
BASB089	SB-89-15'	09-Jul-01	X	X				X			X
BASB089	SB-89-27.5'	09-Jul-01	X	X				X			X
BASB090	SB-90-GGW	09-Jul-01	X	X				X			X
BASB090	SB-90-2.5'	09-Jul-01	X	X				X			X
DUP	SB-90-2.5' DUP	09-Jul-01	X	X				X			X
BASB090	SB-90-5'	09-Jul-01	X	X				X			X
BASB090	SB-90-10'	09-Jul-01	X	X				X			X
BASB090	SB-90-15'	09-Jul-01	X	X				X			X
BASB090	SB-90-25.5'	09-Jul-01	X	X				X			X

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

Notes:

Metals include the Title 22 list of 17 metals.

DUP = Duplicate sample

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

extr-TPH = total extractable hydrocarbons

OCPs = organochlorine pesticides

PAHs = polyaromatic hydrocarbons

PCBs = polychlorinated biphenyls

purg-TPH = total volatile hydrocarbons

SVOCs = semivolatile organic compounds

TOC = total organic carbon

VOCs = volatile organic compounds

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

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