1202462

# **Kennedy/Jenks Consultants**

# **Engineers & Scientists**

622 Folsom Street San Francisco, California 94107 415-243-2150 FAX 415-896-0999

8 January 2004

Mr. Barney M. Chan Hazardous Materials Specialist Environmental Health Service Administration Alameda County Health Care Services Agency 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 Alameda County

JAN 1 2 2004

Environmental Health

Subject:

Report on Additional Remedial Excavation Activities

901 Embarcadero, Oakland

K/J 000128.00

Dear Mr. Chan:

This Report on Additional Remedial Excavation Activities (Report) is submitted to the Alameda County Health Care Services Agency (County) by Praxair, Inc. (Praxair). The Report was prepared by Kennedy/Jenks Consultants (Kennedy/Jenks) on behalf of Praxair. This Report describes the activities and analytical results for excavation of shallow soil performed at 901 Embarcadero in Oakland, California (the Site). The location of the Site is shown on Figure 1 and Site improvements prior to recent demolition activities are shown on Figure 2. A separate report will be prepared to document the demolition activities that were completed in December 2003.

## **Background**

As described in the *Soil Excavation and Additional Characterization* report, submitted to the County on 2 June 2003, soil containing total petroleum hydrocarbon (TPH) was excavated in the vicinity of Boring KB-13 in early March 2003. Based upon results of post-excavation confirmation samples collected in early March 2003, additional soil was excavated in the vicinity of Boring KB-13 in April 2003 and an additional post-excavation sample was collected. Figure 3 illustrates the stages of excavation in the vicinity of Boring KB-13 and the analytical results from these previous samples are summarized in Table 1. The concentrations of total petroleum hydrocarbons as diesel and motor oil (TPHd and TPHmo) in Sample "13" Conf-4A, collected after the excavation of additional soil on 15 April 2003 exceeded the concentrations of TPHd and TPHmo detected in soil samples previously collected from this area. The data suggested a localized area of shallow soil containing TPH at concentrations exceeding the Regional Water Quality Control Board's Environmental Screening Levels (ESLs).

#### **Excavation Activities**

Based upon the analytical results from the post-excavation confirmation soil sample collected on 15 April 2003, a small amount of additional excavation was performed in this area on

Mr. Barney M. Chan Alameda County Health Care Services Agency 8 January 2004 Page 2

28 October 2003 by Pacific States Environmental Contractors, Inc. (PSEC) during the recent demolition activities at the Site. Kennedy/Jenks provided direction to PSEC and collected confirmation soil samples from the completed excavation. The area of additional excavation is also shown on Figure 3.

In the vicinity of Boring KB-13, an area measuring approximately 7 feet by 7 feet was excavated on 28 October 2003 (KB-13 excavation). Approximately one foot of imported fill from previous excavation backfilling activities in the vicinity of Sample "13" Conf-4 was scraped away from the surface and stockpiled next to the excavation. Soil was then excavated to a depth of 2.5 feet below ground surface (bgs) and stockpiled (KB-13 stockpile) separately onsite. At the conclusion of the excavation activities, and following the receipt of analytical results from confirmation samples, the excavation was backfilled and compacted during demolition activities, which will be described in a separate report.

Additionally, surface deposits of lime-impacted soil and debris located within the footprint of the containment berms of the former water/lime decant tanks, which were part of the former water/lime management system, were scraped away from the ground surface and stockpiled (lime-soil stockpile) using a compact loader outfitted with a construction bucket with teeth.

Representative photographs of the excavation activities are included in Attachment A.

#### **Confirmation Soil Sampling and Analysis**

Two post-excavation confirmation soil samples were collected from the floor of the KB-13 excavation prior to backfilling the excavated area. The locations of the confirmation soil samples are shown on Figure 3. The samples were collected into steel sleeves that were capped at both ends with Teflon™ tape and a plastic cap. Following collection, the soil samples were labeled and placed in a cooler chilled with ice (frozen water) to approximately 4 degrees Celsius (°C).

The samples were delivered under chain-of-custody procedures to Severn Trent Laboratory (STL) San Francisco (State Certification Number 1094) in Pleasanton, California, and were analyzed for Total Extractable Petroleum Hydrocarbons (TEPH) with silica gel cleanup using EPA Method 8015. The analytical data reports and chain-of-custody for confirmation soil sampling are included as Attachment B, and the analytical results for TEPH are summarized in Table 1.

#### Soil Stockpile Sampling and Analysis

Separate soil stockpiles were created for the KB-13 excavation and the lime-impacted soil. The KB-13 stockpile was located adjacent to but separate from other soil stockpiles resulting from demolition activities, placed on plastic, covered with plastic, and secured in place. The lime-soil stockpile was located within the footprint of the former containment berms. Four-point composite samples were collected from each of the soil stockpiles on 11 November 2003. The samples were collected into steel sleeves that were capped at both ends with Teflon™ tape and a plastic cap. Following collection, the soil samples were labeled and placed in a cooler chilled with ice (frozen water) to approximately 4 °C.

Mr. Barney M. Chan Alameda County Health Care Services Agency 8 January 2004 Page 3

The samples were delivered under chain-of-custody procedures to STL San Francisco. The KB-13 stockpile soil sample was analyzed for TEPH by EPA Method 8015 and metals by EPA Method 6010. The lime-soil stockpile soil sample was analyzed for metals by EPA Method 6010 and pH by EPA Method 9045C. The analytical data reports and chain-of-custody for stockpile sampling are included as Attachment C.

#### **Backfill and Compaction**

The backfill and compaction activities were performed by PSEC on 14 November 2003. Geotechnical consultation and compaction testing were provided by Treadwell and Rollo, Inc. of Oakland (T&R). Onsite soil designated for reuse as backfill material was placed in the KB-13 excavation. Compaction was performed by wheel rolling with construction equipment fitted with sheepsfoot wheels during the backfill and compaction activities associated with the excavations created during demolition activities. Compaction test results indicated satisfactory soil compaction rates greater than the required minimum 90 percent relative compaction specified in the demolition activities contract.

## **Residuals Management**

After analysis of the composite samples from the soil stockpiles, the soil was accepted for disposal at the Republic Services Vasco Road Landfill located in Livermore, California. Approximately 9 tons or 6 cubic yards of soil were removed from the Site by PSEC on 4 December 2003 and transported to Vasco Road Landfill for disposal. Copies of residuals management documentation are included in Attachment D.

## Finding, Conclusions, and Recommendations

On the basis of the soil excavation activities and analytical results described herein, the following findings, conclusions, and recommendations have been developed.

- During the soil excavation activities on 28 October 2003, approximately 3 cubic yards of soil were excavated from the area of Boring KB-13 and approximately 3 cubic yards of soil were scraped from the ground surface within the area of the former containment berms of the former water/lime decant tanks. Excavated and scraped soil was subsequently removed from the Site and transported for offsite disposal at Vasco Road Landfill on 4 December 2003.
- Two additional post-excavation confirmation soil samples were collected from the KB-13 excavation, which indicate that residual concentrations of TEPH in soil in the vicinity of Boring KB-13 are less than the ESLs for commercial/industrial land uses.
- On the basis of the analytical results from the final post-excavation confirmation soil samples, no further remedial actions are necessary to address concentrations of TEPH in soil in the vicinity of Boring KB-13.

#### Kennedy/Jenks Consultants

Mr. Barney M. Chan Alameda County Health Care Services Agency 8 January 2004 Page 4

 Surface deposits of lime-impacted soil encountered during the demolition activities have been removed from the Site.

If you have any questions regarding the information presented in this Report or the attached tables and figures, please contact me at (415) 243-2534.

Very truly yours,

KENNEDY/JENKS CONSULTANTS

Meredith G. Durant, P.E.

Worldith G. Durant

Project Manager

Enclosures

cc: Nicholas A. DiFranco, Praxair, Inc.
Diane Heinze, Port of Oakland
Jeriann Alexander, Fugro/Subsurface Consultants

Alameda County

JAN 1 2 2004

Environmental Health

# **Table**

Table 1: Post-Excavation Confirmation Soil Samples – Extractable Petroleum Hydrocarbons in Vicinity of Boring KB-13<sup>(a)</sup>

Sample ID ESL <sup>(e)</sup>	Sample Depth (feet bgs) <sup>(b)</sup>	Sample Date	TPHd (mg/kg) <sup>(c)(d)</sup> 500	TPHmo (mg/kg) 1,000	Disposition of Soil
"13" CONF-1	0.5	03/03/03	12	160	This sample represents the final post- excavation conditions. The surrounding soil has been left in place.
"13" CONF-2	0.5	03/03/03	53	680	This sample represents the final post- excavation conditions. The surrounding soil has been left in place.
"13" CONF-3	0.5	03/03/03	75	710	This sample represents the final post- excavation conditions. The surrounding soil has been left in place.
"13" CONF-4	0.5	03/03/03	190	2,000	This sample represents interim excavation conditions. Based upon analytical results for TPH from this sample, the surrounding soil was subsequently excavated. Due to the presence of soluble lead in the soil stockpile sample, the soil was transported to Kettleman Hills Facility for disposal. Soil confirmation sample "13" CONF-4A was collected following these additional soil excavation activities.
"13" CONF-5	0.5	03/03/03	52	560	This sample represents the final post- excavation conditions. The surrounding soil has been left in place.
"13" CONF-6	0.5	03/03/03	81	760	This sample represents the final post- excavation conditions. The surrounding soil has been left in place.

Table 1: Post-Excavation Confirmation Soil Samples – Extractable Petroleum Hydrocarbons in Vicinity of Boring KB-13<sup>(a)</sup>

Sample ID ESL <sup>(e)</sup>	Sample Depth (feet bgs) <sup>(b)</sup>	Sample Date	TPHd (mg/kg) <sup>(c)(d)</sup> 500	TPHmo (mg/kg) 1,000	Disposition of Soil
"13" CONF-4A	1.0	04/15/03	1,200	8,400	This sample represents interim excavation conditions. The surrounding soil was excavated on 28 October 2003 and disposed at Vasco Road Landfill on 4 December 2003. Soil confirmation samples "13" CONF-4B-SE and "13" CONF-4B-NW were collected following these additional soil excavation activities.
"13" CONF-4B-SE	2.5	10/28/03	10 <sup>(f)</sup>	72 <sup>(f)</sup>	This sample represents the final post- excavation conditions. The surrounding soil has been left in place.
"13" CONF-4B-NW	2.5	10/28/03	2.1 <sup>(f)</sup>	<50 <sup>(f)</sup>	This sample represents the final post- excavation conditions. The surrounding soil has been left in place.

<sup>(</sup>a) Samples analyzed by STL San Francisco for extractable petroleum hydrocarbons using EPA Method 8015M.

(d) Laboratory analytical report notes that "hydrocarbon reported does not match the pattern of our diesel standard".

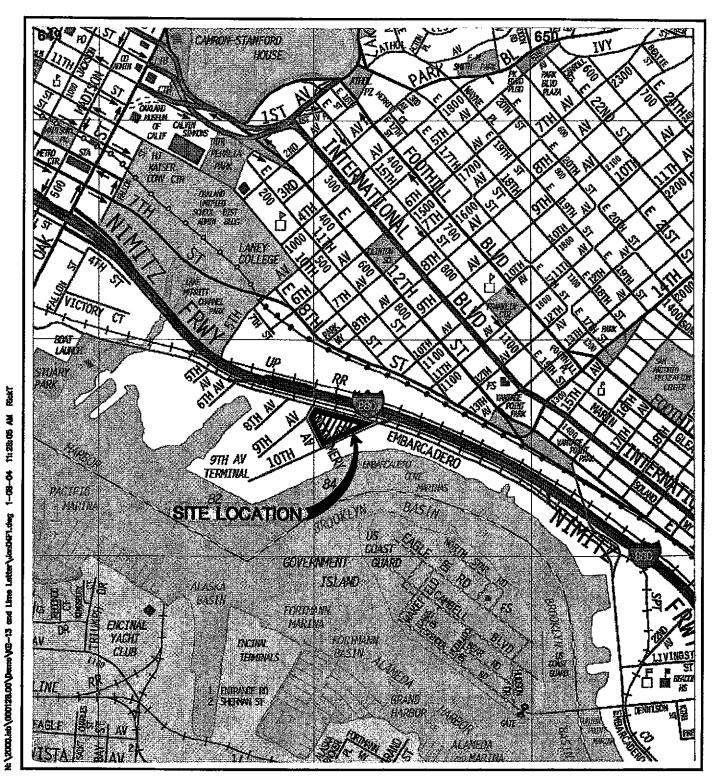
<sup>(</sup>b) Approximate depth below ground surface in feet.

<sup>(</sup>c) Concentrations reported in units of milligrams per kilogram (mg/kg).

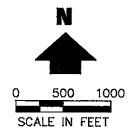
<sup>(</sup>e) ESL = Environmental Screening Level from Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final – July 2003 by the California Regional Water Quality Control Board, San Francisco Bay Region. Groundwater IS NOT a current or potential source of drinking water. Values presented for commercial/industrial land uses.

<sup>(</sup>f) Sample analyzed by STL San Francisco for extractable petroleum hydrocarbons using EPA Method 8015M with silica gel cleanup.

# **Figures**



BASE MAP: THE THOMAS GUIDE DIGITAL EDITION, 1999 BAY AREA



#### Kennedy/Jenks Consultants

PRAXAIR, INC. 901 EMBARCADERO, OAKLAND, CALIFORNIA

#### SITE LOCATION MAP

K/J 000128.00 JANUARY 2004

FIGURE 1

FORMER COOLING TOWER-

NINTH AVENUE LEGEND: SITE BOUNDARY FENCE POLE MOUNTED ELECTRICAL TRANSFORMER(S) underground fire service pipeline SANITARY SEWER PIPE AND EMBARCADERO MAINTENANCE HOLE FORMER EMPTY CYLINDER STORAGE RAILROAD TRACK SPUR STORM DRAIN PIPE AND DROP INLET KB-13 SOIL Stockpile FORMER TRUCK
MAINT, SHED 1///// CONCRETE AND/OR ASPHALT PAVED ELECTRICAL —TRANSFORMER PAD 111111. **EXCAVATION OR STOCKPILE AREAS** NOTES: OTHER BURIED UTILITY PIPELINES REMOVED DURING DEMOLITION ACTIVITIES, BUT NOT SHOWN. LOADING DOCK BUILDING 1 Underground -cooling system discharge pipeline TENTH AVENUE

TENTH AVENUE



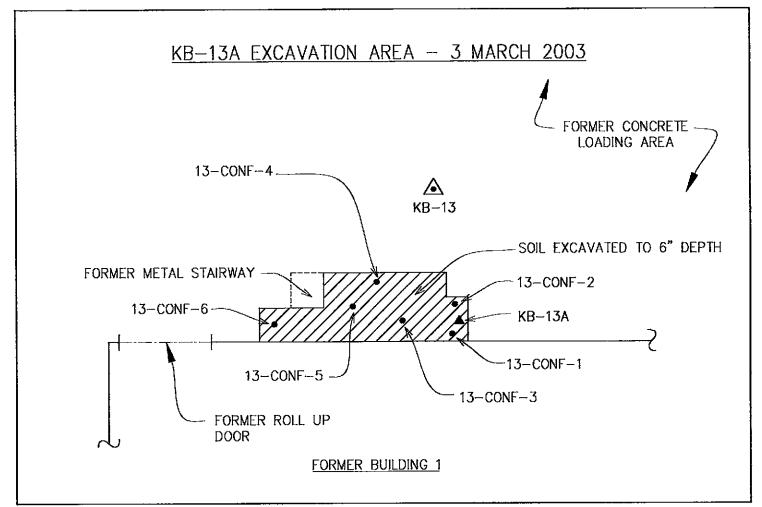
Kennedy/Jenks Consultants

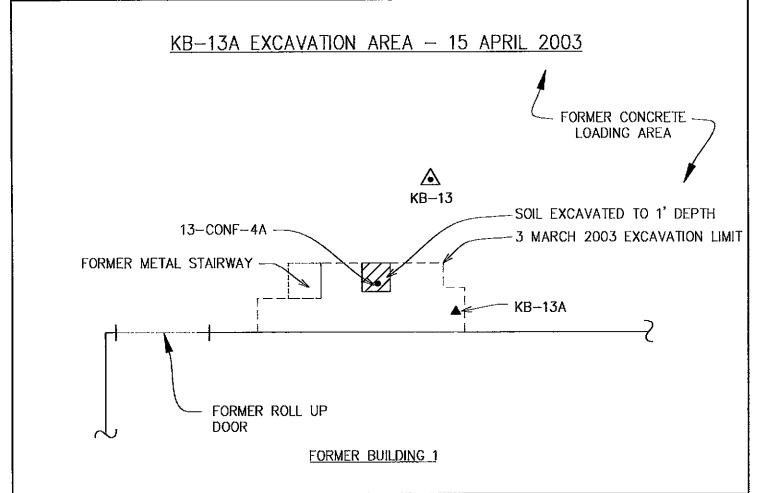
PRAXAIR, INC. 901 EMBARCADERO, OAKLAND, CALIFORNIA

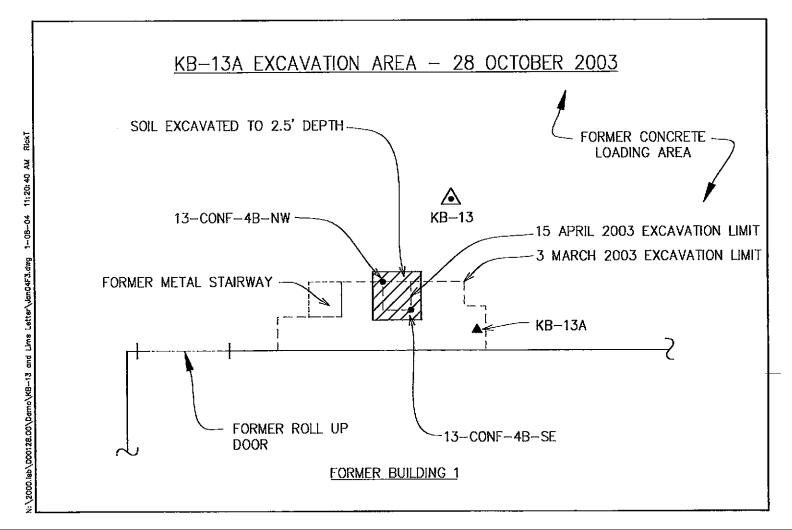
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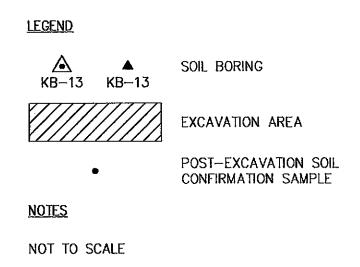
> > K/J 000128.00 JANUARY 2004

> > > FIGURE 2









## Kennedy/Jenks Consultants

PRAXAIR, INC. 901 EMBARCADERO, OAKLAND, CALIFORNIA

SOIL EXCAVATION AREA AND CONFIRMATION SAMPLE LOCATIONS

K/J 000128.00 JANUARY 2004

FIGURE 3

# **Attachment A**

**Photo Documentation** 

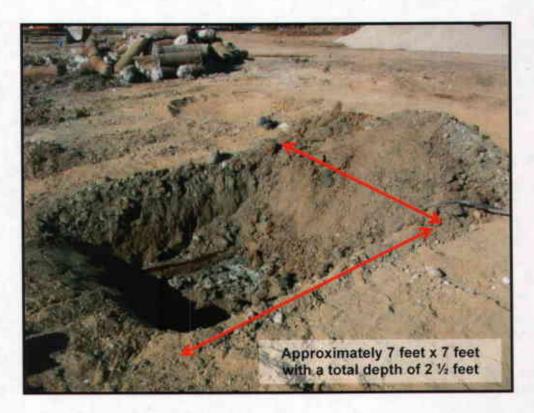


Photo #1: KB-13 Excavation



Photo #2: KB-13 Soil Stockpile



**Photo #3**: Lime-Impacted Soil at Ground Surface within the Footprint of the Former Containment Berms of the Lime/Water Decant Tanks



Photo #4: Lime-Impacted Soil Stockpile

# **Attachment B**

Confirmation Sample Chain of Custody Form and Laboratory Analytical Reports



Submission#: 2003-10-1048

## Kennedy/Jenks-San Francisco

November 06, 2003

622 Folsom Street San Francisco, CA 94107-1366

Attn.:

Meredith Durant

Project#:

000128.00

Project:

Praxair-Oakland

Site:

901 Embarcadero



Dear Meredith,

Attached is our report for your samples received on 10/29/2003 14:45

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

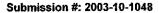
Please note that any unused portion of the samples will be discarded after 12/13/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: dsharma@stl-inc.com Sincerely,

haema

Dimple Sharma Project Manager





Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street

San Francisco, CA 94107-1366

Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

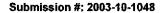
Praxair-Oakland

Received: 10/29/2003 14:45

Site: 901 Embarcadero

#### Samples Reported

Sample Name	Date Sampled	Matrix	Lab#
"13" CONF-4B-SE	10/28/2003 09:00	Soil	1
"13" CONF-4B-NW	10/28/2003 09:10	Soil	2





Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street

San Francisco, CA 94107-1366

Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Praxair-Oakland

Received: 10/29/2003 14:45

Site: 901 Embarcadero

Prep(s): 3550/8015M Test(s): 8015M Sample ID: "13" CONF-4B-SE Lab ID: 2003-10-1048 - 1 Sampled: 10/28/2003 09:00 Extracted: 11/3/2003 13:03 Matrix:

Soil QC Batch#: 2003/11/03-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	10	1.0	mg/Kg	1.00	11/04/2003 00:01	ndp
Motor Oil	72	50	mg/Kg	1.00	11/04/2003 00:01	-
Surrogate(s)						
o-Terphenyl	105.4	60	%	1.00	11/04/2003 00:01	



Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street San Francisco, CA 94107-1366

Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

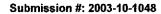
Praxair-Oakland

Received: 10/29/2003 14:45

Site: 901 Embarcadero

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Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.1	1.0	mg/Kg	1.00	11/04/2003 00:31	ndp
Motor Oil	ND	50	mg/Kg	1.00	11/04/2003 00:31	
Surrogate(s)						
o-Terphenyl	101.1	60	%	1.00	11/04/2003 00:31	





Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street

San Francisco, CA 94107-1366

Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Praxair-Oakland

Received: 10/29/2003 14:45

Site: 901 Embarcadero

#### Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2003/11/03-04.10-001

Soil

Test(s): 8015M

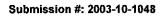
QG Batch # 2003/11/03-04:10

Date Extracted: 11/03/2003 13:03

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	11/03/2003 20:56	
Motor Oil	ND	50	mg/Kg	11/03/2003 20:56	
Surrogates(s)	·				
o-Terphenyl	101.8	60-130	%	11/03/2003 20:56	

11/05/2003 13:40

Page 4 of 6





Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street

San Francisco, CA 94107-1366

Phone: (415) 243-2534 Fax: (415) 896-0999

19.2

18.5

o-Terphenyl

Project: 000128.00

Praxair-Oakland

Received: 10/29/2003 14:45

60-130

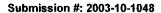
Site: 901 Embarcadero

39.9									
LCS	1CSD 36.6	41.6	LCS 95.9	88.2	8.4	Rec. 60-130	RPD 25	LCS	LCSD
Conc.	mg/Kg	Exp.Conc.	Rec	overy %	RPD	Ctrl.Lim	its %	Fla	ags
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20.0

96.1

92.4





Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street San Francisco, CA 94107-1366

Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Praxair-Oakland

Received: 10/29/2003 14:45

Site: 901 Embarcadero

#### **Legend and Notes**

#### **Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Address 1220 QUARRY LANE
FLEASANTON, CA 945(C)
Telephone 925-484-19 19

Carrier/Way Bill No.\_\_\_\_

Cab ID No.	(1) Client ID No.	Colle	Time	(2). Type	Depth	Comp.	(d) Pres.	Turn- around	TE	3	7.46					Comment/Conditions (container type, container number, etc.)
				5	-	NO	N	5-H/								
	"13"CONF-4B-SE "13"CONF-4B-NW	10/28/03	910	5	-	No	N	5- DA	ν×						-	
		4							-		-		+	-	+	
															1	
									-			-	-	+	+	4.2%

- (1) Write only one sample number in each space.
- (2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
- (3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample, use sequential letter for additional groups
- (4) Preservation of sample.
- (5) Write each analysis requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

Print Name	Signature	Company	Date T	me	Print Name	Signature	Company	Date	Time
RICK TECTON &	Rich Tegan.	Kennedy/Ja	UK\$ 29/00 12	:33pm	RAllen'	Jolys -	STL-ST	192903	12:3
Rodney Allen	som,	STL-SF'	1/2/07/14	:49		1			
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# **STL San Francisco**

# Sample Receipt Checklist

Submission #:2003- <u>///</u> - <u>/////</u>	y
Checklist completed by: (initials) LSH Date: 10 130/03	,
Courier name: STL San Francisco   Client	· Not
Custody seals intact on shipping container/samples	YesNoPresent
Chain of custody present?	YesNo
Chain of custody signed when relinquished and received?	Yes No
Chain of custody agrees with sample labels?	Yes No
Samples in proper container/bottle?	Yes No
Sample containers intact?	YesNo
Sufficient sample volume for indicated test?	YesNo
All samples received within holding time?	YesNo
Container/Temp Blank temperature in compliance (4 $^{0}$ C $\pm$ 2)?	Temp: T Yes No
	Ice Present YesNo
Water - VOA vials have zero headspace?	No VOA vials submitted Yes No
(if bubble is present, refer to approximate bubble size and itemize in commer  Water - pH acceptable upon receipt? Yes □ No  □ pH adjusted — Preservative used: □ HNO₃ □ HCI □ H₂SO₄ □ NaOH	
• •	
For any item check-listed "No", provided detail of discrepancy in comr	nent Section below.
Comments:	
	4 1 P
Project Management [Routing for instruction of indica	ated discrepancy(les)]
Project Manager: (initials) Date://03	
Client contacted: ☐ Yes ☐ No	
Summary of discussion:	
	·
Corrective Action (per PM/Client):	

# **Attachment C**

Stockpile Soil Sample Chain of Custody Form and Laboratory Analytical Reports



Submission#: 2003-11-0425

DEC - 4 2003

KENNEDYIJENKS CONSULTANTS

November 18, 2003

#### Kennedy/Jenks-San Francisco

622 Folsom Street San Francisco, CA 94107-1366

Attn.:

Meredith Durant

Project#:

000128.00

Project:

Praxair Oakland

Dear Meredith,

Attached is our report for your samples received on 11/11/2003 16:35

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

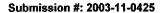
Please note that any unused portion of the samples will be discarded after 12/26/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: dsharma@stl-inc.com Sincerely,

haema

Dimple Sharma Project Manager





Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street

San Francisco, CA 94107-1366

Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Praxair Oakland

Received: 11/11/2003 16:35

#### Samples Reported

Sample Name	Date Sampled	Matrix	Lab#
SOIL LINE STOCKPILE	11/11/2003 09:30	Soil	2
KB-13 STOCKPILE	11/11/2003 09:00	Soil	3



Kennedy/Jenks-San Francisco

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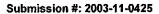
Project: 000128.00

Praxair Oakland

Received: 11/11/2003 16:35

	그리는 그는 사람들은 그렇게 하면 가는 사람들이 되는 것이 되었다. 그는 사람들은 그는 사람들은 그는 사람들은 그는 그는 사람들이 가는 사람들이 가는 사람들이 되었다. 그는 사람들이 가는 사람들이 되었다.
Prep(s):	-3050B
o fire is in the court	7471A
- Marinei var ett	그리장 선수들은 생활들들은 불통하는 사람들은 그는 그는 그는 사람들은 사람들이 가는 사람들이 가지를 하는 사람들이 되었다.
Sample ID:	SOIL LINE STOCKPILE Lab ID 2003-11-0425 - 2
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Sampled:	11/11/2003 09:30 Extracted: 11/13/2003 10:57
- Burna Bethal	11/14/2003 08:14
Madeso	
w Wauix.	Soil QC Batch#, 2003/11/13-06.15
-68.000000000000000000000000000000000000	2003/11/14-01.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/14/2003 13:40	
Arsenic	2.5	1.0	mg/Kg	1.00	11/14/2003 13:40	
Barium	160	1.0	mg/Kg	1.00	11/14/2003 13:40	
Beryllium	ND	0.50	mg/Kg	1.00	11/14/2003 13:40	
Cadmium	ND	0.50	mg/Kg	1.00	11/14/2003 13:40	
Chromium	23	1.0	mg/Kg	1.00	11/14/2003 13:40	
Cobalt	3.6	1.0	mg/Kg	1.00	11/14/2003 13:40	
Copper	35	1.0	mg/Kg	1.00	11/14/2003 13:40	
Lead	100	1.0	mg/Kg	1.00	11/14/2003 13:40	
Molybdenum	ND	1.0	mg/Kg	1.00	11/14/2003 13:40	
Nickel	37	1.0	mg/Kg	1.00	11/14/2003 13:40	
Selenium	ND	2.0	mg/Kg	1.00	11/14/2003 13:40	
Silver	ND	1.0	mg/Kg	1.00	11/14/2003 13:40	
Thallium	ND	1.0	mg/Kg	1.00	11/14/2003 13:40	
Vanadium	30	1.0	mg/Kg	1.00	11/14/2003 13:40	
Zinc	62	1.0	mg/Kg	1.00	11/14/2003 13:40	
Mercury	0.16	0.050	mg/Kg	1.00	11/17/2003 12:44	





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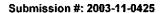
Project: 000128.00

Praxair Oakland

Received: 11/11/2003 16:35

Prep(s):	3050B Test(s): 6010B
	7471A 7471A
Sample ID:	KB-13 STOCKPILE Lab ID: 2003-11-0425 - 3
Sampled:	11/11/2003 09:00 Extracted: 11/13/2003 10:57 11/14/2003 08:14
Matrix	Soil QC Batch#: 2003/11/13-06:15
	2003/11/14-01.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/14/2003 13:43	
Arsenic	3.0	1.0	mg/Kg	1.00	11/14/2003 13:43	
Barium	72	1.0	mg/Kg	1.00	11/14/2003 13:43	
Beryllium	ND	0.50	mg/Kg	1.00	11/14/2003 13:43	
Cadmium	ND	0.50	mg/Kg	1.00	11/14/2003 13:43	
Chromium	19	1.0	mg/Kg	1.00	11/14/2003 13:43	
Cobalt	5.8	1.0	mg/Kg	1.00	11/14/2003 13:43	
Copper	18	1.0	mg/Kg	1.00	11/14/2003 13:43	
Lead	9.1	1.0	mg/Kg	1.00	11/14/2003 13:43	
Molybdenum	ND	1.0	mg/Kg	1.00	11/14/2003 13:43	
Nickel	21	1.0	mg/Kg	1.00	11/14/2003 13:43	
Selenium	ND	2.0	mg/Kg	1.00	11/14/2003 13:43	
Silver	ND	1.0	mg/Kg	1.00	11/14/2003 13:43	
Thallium	ND	1.0	mg/Kg	1.00	11/14/2003 13:43	
Vanadium	26	1.0	mg/Kg	1.00	11/14/2003 13:43	
Zinc	62	1.0	mg/Kg	1.00	11/14/2003 13:43	
Mercury	0.11	0.050	mg/Kg	1.00	11/17/2003 12:45	





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Praxair Oakland

Received: 11/11/2003 16:35

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Compound	Conc.	RL	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	11/14/2003 09:33	
Arsenic	ND	1.0	mg/Kg	11/14/2003 09:33	
Barium	ND	1.0	mg/Kg	11/14/2003 09:33	
Beryllium	ND	0.50	mg/Kg	11/14/2003 09:33	
Cadmium	ND	0.50	mg/Kg	11/14/2003 09:33	
Chromium	ND	1.0	mg/Kg	11/14/2003 09:33	
Cobalt	ND	1.0	mg/Kg	11/14/2003 09:33	
Copper	ND	1.0	mg/Kg	11/14/2003 09:33	
Lead	ND	1.0	mg/Kg	11/14/2003 09:33	
Molybdenum	ND	1.0	mg/Kg	11/14/2003 09:33	
Nickel	ND	1.0	mg/Kg	11/14/2003 09:33	
Selenium	ND	2.0	mg/Kg	11/14/2003 09:33	
Silver	ND	1.0	mg/Kg	11/14/2003 09:33	
Thallium	ND	1.0	mg/Kg	11/14/2003 09:33	
Vanadium	ND	1.0	mg/Kg	11/14/2003 09:33	
Zinc	ND	1.0	mg/Kg	11/14/2003 09:33	

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496





Kennedy/Jenks-San Francisco

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San Francisco, CA 94107-1366

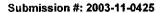
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Praxair Oakland

Received: 11/11/2003 16:35

Method Blank MB: 2003/11/14-01.16-014		Soil	QC Batch # 2003/1 Date Extracted: 11/14/	PRINTER MODEL
Prep(s): 7471A Method Blank	Batc		- 480000 AVE	(s):7471A 1/14 <u>-</u> 01.16





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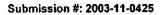
Project: 000128.00

Praxair Oakland

Received: 11/11/2003 16:35

Batch QC	Report
Prep(s): 3050B	Test(s): 6010B
Laboratory Control Spike S	ioil QC Batch # 2003/11/13-06.15
	d: 11/13/2003 Analyzed: 11/14/2003:09:38
	d: 11/13/2003 Analyzed: 11/14/2003 09:42

Compound	Conc.	mg/Kg	Exp.Conc.	Reco	vегу %	RPD	Ctrl.Lim	its %	Fla	ags
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Antimony	93.9	98.0	100.0	93.9	98.0	4.3	80-120	20		
Arsenic	97.2	99.4	100.0	97.2	99.4	2.2	80-120	20		
Barium	97.4	99.8	100.0	97.4	99.8	2.4	80-120	20		
Beryllium	97.7	101	100.0	97.7	101.0	3.3	80-120	20		
Cadmium	96.9	98.8	100.0	96.9	98.8	1.9	80-120	20		
Chromium	94.2	96.6	100.0	94.2	96.6	2.5	80-120	20		
Cobalt	98.1	100	100.0	98.1	100.0	1.9	80-120	20		
Copper	101	104	100.0	101.0	104.0	2.9	80-120	20		
Lead	97.8	100	100.0	97.8	100.0	2.2	80-120	20		
Molybdenum	94.2	96.5	100.0	94.2	96.5	2.4	80-120	20		
Nickel	98.7	99.8	100.0	98.7	99.8	1.1	80-120	20		ļ
Selenium	93.2	94.8	100.0	93.2	94.8	1.7	80-120	20		
Silver	100.0	103	100.0	100.0	103.0	3.0	80-120	20		
Thallium	94.2	95.2	100.0	94.2	95.2	1.1	80-120	20		
Vanadium	100	103	100.0	100.0	103.0	3.0	80-120	20		
Zinc	95.0	97.5	100.0	95.0	97.5	2.6	80-120	20		





Kennedy/Jenks-San Francisco

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622 Folsom Street San Francisco, CA 94107-1366

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0.521

Project: 000128.00

Mercury

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Received: 11/11/2003 16:35

Compound	Conc.	mg/Kg	Exp.Conc.	Reco	very %	RPD	Ctrl.Lin	nits %	Fl	gs
LCSD 2003/11	/14-01.16-016	on angent	Extracted: 1	1/14/2003	3		Anal	yzed: 1	1/17/200	3 12:26
LCS 2003/11	/14-01.16-015		Extracted: 1	1/14/2003	3		Anal	yzed: 1	1/17/200	3 12:25
Laboratory Control	Spike		Soil				QC Ba	itch#2	2003/11/1	4-01:16
Prep(s): 7471A									Test(s)	7471A
			Batch QC Re	port	over ba. Ngave				e e e e e e e e e e e e e e e e e e e	eli en en en Glanden el

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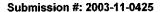
Project: 000128.00

Praxair Oakland

Received: 11/11/2003 16:35

#### Samples Reported

Sample Name	Date Sampled	Matrix	Lab#
SOIL LINE STOCKPILE	11/11/2003 09:30	Soil	2





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Project: 000128.00

Praxair Oakland

Received: 11/11/2003 16:35

Prep(s): 9045C

Test(s): 9045C

Sample ID: SOIL LINE STOCKPILE

Lab ID: 2003-11-0425 - 2

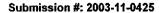
Sampled: 11/11/2003 09:30

Extracted: 11/17/2003 08:46

Matrix: Soil

QC Batch# 2003/11/17-01.22

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
рН	12	0.1	su	1.00	11/17/2003 08:46	





рΗ

Kennedy/Jenks-San Francisco

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622 Folsom Street San Francisco, CA 94107-1366

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Project: 000128.00

Praxair Oakland

Received: 11/11/2003 16:35

Prep(s): 9045C Method Blank MB: 2003/11/17-01.22-001		Soil		QC-Batch # 2003/	
Compound	Conc.	I <sub>RL</sub>	Unit	Date Extracted: Analyzed	Flag





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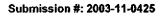
Project: 000128.00

Praxair Oakland

Received: 11/11/2003 16:35

#### Samples Reported

Sample Name	Date Sampled	Matrix -	Lab#
TOWER SUMP PIPE	11/11/2003 10:00	Soil	1
KB-13 STOCKPILE	11/11/2003 09:00	Soil	3





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Received: 11/11/2003 16:35

Prep(s):

3550/8015M

Test(s):

8015M

Sample ID: TOWER SUMP PIPE

Lab ID:

2003-11-0425 - 1

Sampled:

11/11/2003 10:00

Extracted:

11/13/2003 14:17

Matrix:

QC Batch#:

2003/11/13-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	73	5.0	mg/Kg	5.00	11/16/2003 00:59	ndp
Motor Oil	1000	250	mg/Kg	5.00	11/16/2003 00:59	
Surrogate(s)						
o-Terphenyl	NA	60	%	5.00	11/16/2003 00:59	sd





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Praxair Oakland

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** * *		
	Prep(s): 3550/8015M	Test(s): 8015M
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	C	0.000 14 0.407 0
25	Sample ID: KB-13 STOCKPILE	Lab ID: 2003-11-0425 - 3
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	to the first of the first first first the first state of the first sta	
	Sampled: 11/11/2003 09:00	Extracted: 11/13/2003 14:17
	Campica: 11/11/2003/03/00	Extracted: Fire Octoo (No. Proceedings of the Control of the Contr
	。	A CASA SERVICES OF THE SERVICE
	그는 그들은 그는 그는 그는 그는 바로 함께 하면 그 하는 것이 하는 것이 없는 것이 되는 것이 없는 것이 없었다.	
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		QU Duluini. Lugarita de la companione de

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	15	2.0	mg/Kg	2.00	11/15/2003 02:10	ndp
Motor Oil	140	100	mg/Kg	2.00	11/15/2003 02:10	
Surrogate(s)					•	
o-Terphenyl	99.9	60	%	2.00	11/15/2003 02:10	





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Project: 000128.00

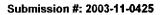
Praxair Oakland

Received: 11/11/2003 16:35

				Batch QC Rep	ort	
	Prep(s) Method MB: 200	三甲二二甲烷 的复数新食	5M 10-001	Soil		Test(s): 8015M ch # 2003/11/13-07,10 ted: 11/13/2003-14:17
17.5		. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				The contract of the contract o

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	11/14/2003 11:14	
Motor Oil	ND	50	mg/Kg	11/14/2003 11:14	
Surrogates(s)					
o-Terphenyl	87.0	60-130	%	11/14/2003 11:1 <b>4</b>	

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496





Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street

San Francisco, CA 94107-1366

Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Praxair Oakland

	Batch QC Report	
Pre <b>p(</b> s): 3	550/8015M Fest(s): 8015V	97. s
Laborator, LCS	Control Spike Soil QC Batch # 2003/11/13-07.10 2003/11/13-07.10-002 Extracted: 11/13/2003 Analyzed: 11/14/2003 11:44	
LCSD	2003/11/13-07.10-002 Extracted: 11/13/2003 Analyzed: 11/14/2003 12:16	V32 14

Compound	Conc.	mg/Kg	Exp.Conc.	Recov	ery %	RPD	Ctrl.Limi	ts %	Fla	ıgs
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	33.3	33.5	41.5	80.2	80.5	0.4	60-130	25		
Surrogates(s) o-Terphenyl	18.0	18.3	20.0	89.8	91.4		60-130	0		



Submission #: 2003-11-0425

#### Total Extractable Petroleum Hydrocarbons (TEPH)

Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street

San Francisco, CA 94107-1366

Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Praxair Oakland

Received: 11/11/2003 16:35

#### **Legend and Notes**

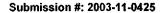
#### Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sđ

Surrogate recovery not reportable due to required dilution.





Kennedy/Jenks-San Francisco

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622 Folsom Street San Francisco, CA 94107-1366

Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Praxair Oakland

Received: 11/11/2003 16:35

#### Samples Reported

Sample Name	Date Sampled	Matrix	Lab#
SOIL LINE STOCKPILE	11/11/2003 09:30	Soil	2





Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street

San Francisco, CA 94107-1366

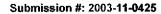
Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Praxair Oakland

Prep(s): 3005A	Total Control of the	Test(s): 6010B	
Sample ID: SOIL LINE STOCKPILE		Lab ID: 2003-1.1-0425 - 2	
Sampled: 11/11/2003 09:30		Extracted: 11/24/2003 05:06	
Matrix: Soil		QC Batch# 2003/11/24-01.15	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	1.8	0.50	mg/L	1.00	11/24/2003 09:40	





Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

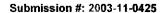
622 Folsom Street San Francisco, CA 94107-1366

Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Praxair Oakland

Prep(s): 3005A		ch QC Report		Testi	: 2579/628/89/975
MB: 2003/11/24-01.15-020		Soll		<b>QC Batch # 2003/1</b> Date Extracted: 11724/2	. 14014
Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	0.50	mg/L	11/24/2003 09:37	1





Kennedy/Jenks-San Francisco

Attn.: Meredith Durant

622 Folsom Street San Francisco, CA 94107-1366

Phone: (415) 243-2534 Fax: (415) 896-0999

Project: 000128.00

Praxair Oakland

		В	atch QC F	leport		
Prep(s): 3005A						Test(s): 60 <b>10B</b>
Laboratory Control Spike			Soi		QC Batch # ;	2003/11/24-01.15
LCS 2003/11/24-01.1				11/24/2003	Analyzed:	1 <b>/2</b> 4/20 <b>03</b> 0 <b>9:37</b>
LCSD 2003/11/24-01.1	5-022		xtracted:	11/24/2003	Analyzed: 1	1 <b>/2</b> 4/2003 09: <b>38</b>

Compound	Conc. mg/L		Exp.Conc.	Recovery %		y% RPD		Ctrl.Limits %		Flags	
<u>'</u>	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LOSD	
Lead	5.18	4.90	5.00	103.6	98.0	5.6	80-120	20			

Project Sampler Na	ient Physic ( Site Occkle No. 000 128. ame J. Farm	ell	. Com	pany.	Ken 6	med 22 F, C	Dung Je	nke 8m	st 7	PIL SOUSM	(m 17 Hetals	4	allynes	(5) Reques	ted		Lab Destination STUSF  Address Querry Lane Plantampon, CA  Telephone 9254841919  Carrier/Way Bill No.
(1) Lab ID No.	(1) Client ID No.		Collec		(2) Type	Depth	(3) Comp	(4) Pres	Turn- around	TE	0	9					Comment/Conditions (container type, container number, etc.)
	Tower Simp.				_	2		Trive Y	SOA	0.00						-	Brass Steer each
	Soil Line	Stakeil	the los	0930	5			120	5 Day		x	Χ					
	KB-13 Stock							14	5 ay	4.55							<b>1</b>
																	. m =
																	*Homogenize each sample. *
		- 35-											-				
													+				

<sup>(5)</sup> Write each analysis requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

Print Name	Signature	Company	Date	- Time	Print Name	Signature	Company	Date	Time
Jan Formell	manel	Kennely Textes	Ilulos	1357	Robity Allow	113:8V	STL-SF	idayas	13:57
Leaved Harred	friday 1	21051	1411/05	16.75	./ /	.,			
					Noun4K	10-	ST-SF	1/11/03	162

<sup>(1)</sup> Write only one sample number in each space.

<sup>(2)</sup> Specify type of sample(s): Water (W), Solid (S), or indicate type.

<sup>(3)</sup> Mark such sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.

<sup>(4)</sup> Preservation of sample.



## STL San Francisco

## Sample Receipt Checklist

Submission #:2003// 0425	
Checklist completed by: (initials) Date: 11 13 103	
Courier name: ALSTL San Francisco   Client	
Custody seals intact on shipping container/samples	YesNoPresent
Chain of custody present?	Yes_ L No
Chain of custody signed when relinquished and received?	YesNo
Chain of custody agrees with sample labels?	Yes No
Samples in proper container/bottle?	YesNo
Sample containers intact?	YesNo
Sufficient sample volume for indicated test?	Yes No
All samples received within holding time?	Yes No
Container/Temp Blank temperature in compliance (4° C $\pm$ 2)?	Temp: 2,4°C Yes No
	Ice Present Yes No
Water - VOA vials have zero headspace?	No VOA vials submitted Yes No No
(if bubble is present, refer to approximate bubble size and itemize in commer	ints as S (small $\sim$ O), M (medium $\sim$ O) or L (large $\sim$ O)
Water - pH acceptable upon receipt? ☐ Yes ☐ No ☐ pH adjusted — Preservative used: ☐ HNO₃ ☐ HCl ☐ H₂SO₄ ☐ NaOH	Ű □ ZnOAc <b>–Lot #(s)</b>
Water - pH acceptable upon receipt? ☐ Yes ☐ No ☐ pH adjusted— Preservative used: ☐ HNO₃ ☐ HCl ☐ H₂SO₄ ☐ NaOH For any item check-listed "No", provided detail of discrepancy in comm	Ű □ ZnOAc <b>–Lot #(s)</b>
Water - pH acceptable upon receipt? ☐ Yes ☐ No ☐ pH adjusted — Preservative used: ☐ HNO₃ ☐ HCl ☐ H₂SO₄ ☐ NaOH	Ű □ ZnOAc <b>–Lot #(s)</b>
Water - pH acceptable upon receipt? ☐ Yes ☐ No ☐ pH adjusted— Preservative used: ☐ HNO₃ ☐ HCl ☐ H₂SO₄ ☐ NaOH For any item check-listed "No", provided detail of discrepancy in comm	Ű □ ZnOAc <b>–Lot #(s)</b>
Water - pH acceptable upon receipt? ☐ Yes ☐ No ☐ pH adjusted— Preservative used: ☐ HNO₃ ☐ HCI ☐ H₂SO₄ ☐ NaOH For any item check-listed "No", provided detail of discrepancy in comments:	☑ ZnOAc –Lot #(s) ment section below:
Water - pH acceptable upon receipt? ☐ Yes ☐ No ☐ pH adjusted— Preservative used: ☐ HNO₃ ☐ HCl ☐ H₂SO₄ ☐ NaOH For any item check-listed "No", provided detail of discrepancy in comm	☑ ZnOAc –Lot #(s) ment section below:
Water - pH acceptable upon receipt? ☐ Yes ☐ No ☐ pH adjusted— Preservative used: ☐ HNO₃ ☐ HCI ☐ H₂SO₄ ☐ NaOH For any item check-listed "No", provided detail of discrepancy in comments:	☑ ZnOAc –Lot #(s) ment section below:
Water - pH acceptable upon receipt? ☐ Yes ☐ No ☐ pH adjusted— Preservative used: ☐ HNO₃ ☐ HCI ☐ H₂SO₄ ☐ NaOH For any item check-listed "No", provided detail of discrepancy in comments:  Project Management [Routing for instruction of indicates the comments of the commen	☑ ZnOAc –Lot #(s) ment section below:
Water - pH acceptable upon receipt?	☑ ZnOAc –Lot #(s) ment section below:
Water - pH acceptable upon receipt?	☑ ZnOAc –Lot #(s) ment section below:
Water - pH acceptable upon receipt? ☐ Yes ☐ No ☐ pH adjusted — Preservative used: ☐ HNO₃ ☐ HCl ☐ H₂SO₄ ☐ NaOH For any item check-listed "No", provided detail of discrepancy in common comments:  Project Management [Routing for instruction of indicated to the contacted of the co	☑ ZnOAc –Lot #(s) ment section below:
Water - pH acceptable upon receipt?	☑ ZnOAc –Lot #(s) ment section below:
Water - pH acceptable upon receipt? ☐ Yes ☐ No ☐ pH adjusted — Preservative used: ☐ HNO3 ☐ HCI ☐ H₂SO4 ☐ NaOH For any item check-listed "No", provided detail of discrepancy in common comments:  Project Management [Routing for instruction of indicated and project Manager: (initials) ☐ Date: ☐ /03  Client contacted: ☐ Yes ☐ No Summary of discussion:	☑ ZnOAc –Lot #(s) ment section below:

# **Attachment D**

**Residuals Management Documentation** 

## Attachment D: Residuals Management Documentation

Please note that the attached non-hazardous waste manifest indicates a weight of material (24 tons) that includes not only the soil excavated from the area near Boring KB-13 and the lime-impacted soil, but also includes a significant quantity of steel utility piping, timber piles, plastic sheeting, and cardboard.



## Vasco Road Landfill

### NON-HAZARDOUS WASTE MANIFEST

Generator Name: Praixa Address: P.O. Box			ng Name: Pacific State	
City: Tonawar			dress: 11555 Dublin	
State: NY	Zip: 14150		City: Dublin	County: Alamed
Site Location:	Zip. 14130	+	State: CA	Zip: 94568
Republic Services	Description of	Volume	E-ball-	
Approval Number	Waste		Expiration	Container
1002369	Soll / ADC	or Weight 24 Ton(s)	Date 12/1/2004	Туре
		isposal Instructions		
Use as ADC in Area 3 ONL	Y. No free liquids or debris.	Moisture content MUST	ha < 50%	
he above Olaposal feetractions at I telecosation provided by the new	re a requirement of Republic Sa	vites, Dic., for managemen	t of the ambied material. The	adamusi is based was a
f interstation provided by the per hysical characteristics and prope		to receipt at the disposed he	citity of a waste material expu	nately admiratent to clear
			6-	
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guisdant of the Department of T	ranspartation.	1000		
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4 A ==	Wicheler	O.D. In	~~	ieta Shipped
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AS A. DIFKANCE	Michely Agent Name	Signature DRITER INFORM	ATRON	Ota Shippad
Generator/Authorized Transporter Name:	Michely Agent Name	Signature  DRITER INFORM  DO	ATROM T Number:	ata Shippad
AS A. DIFKANCE	Michely Agent Name	Signature DOTER INFORM DOTTILE	ATROM T Number: k Number:	lata Shippad
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Transporter Name: Address:  Maria of Authorize  Site Name: Address:	TRANSPORT	Signature  DOTTRE Phon Signature  Signature  L SITE INFORM Phone	ATROM T Number: k Number: e Number: to while in my controly. The  ATRON Number: (925) 447	wash fratepoled in this to Delivered
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Dec-9-03 10:35AM;

Page 2/2

RpCstPrf.rpt 4

# Vasco Road Landfill Customer Profile Report

Page 1 of 1 12/9/2003 9:59AM

Customer: PAC ST Profile: 1002369 Transactions from 12/01/2003 through 12/09/2003
Third Party and Intercompany Customers
Recycle and Disposal Waste
Inbound and Outbound Tickets
Full Details

Ticket	Date	Truck	Rute	Yards	Units	Tuny	Adlanta	WWO CONTROL VILLE OF THE CONTR
PACST - PACE	FIC STATES	ENVIR				1003	Adjusted Tons	Disposal Dollars
1002369 - PR 476290		•		0.00	0.00	26.54	0.00	
1002369 - PR	AXAIR, INC.		<del></del>	0.00	0.00		0.00	
f flicket and } frans	action			0.00	0.00	26.54	0.00	
PAC ST - PACH ticket and I transacti		ENVIR		0.00	0.00	26.54	0.00	-
Report Grand	Totals		2	0.00	0.00	26.54	0.00	
ticket and I trans	saction	9.					<b>D.17</b>	TOCKNI