

**RECEIVED**

7:43 am, May 31, 2007

Alameda County  
Environmental Health

**1396 – 5<sup>th</sup> STREET, LLC**  
A California Limited Liability Company  
**1357 5<sup>th</sup> Street – Suite B**  
**Oakland, Calif. 94607**

May 30, 2007

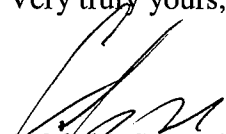
Mr. Barney M. Chan  
Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Subject: 1396- 5th Street, Oakland, Calif.  
Environmental Closure  
Submission to Alameda County

Dear Mr. Chan:

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge.

Very truly yours,



1396-5th Street, LLC  
A. C. Eisenberger  
It's President

Attachment



30 May 2007  
Project 4068.01

Mr. Barney Chan  
Environmental Health Specialist  
Alameda County Health Care Services  
Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Oakland, California 94502-6577

Subject: Analytical Results of Soil Confirmation Sampling  
Former Red Star Yeast Site  
1384 Fifth Street  
Oakland, California

Dear Mr. Chan:

On behalf of 1396 Fifth Street LLC, Treadwell & Rollo, Inc. (T&R) has prepared this letter report documenting soil confirmation sampling at two site locations prior to development of the proposed Former Red Star Yeast project at 1396 Fifth Street (Site) in Oakland, California (Figure 1). The soil confirmation sampling was performed in general accordance with our work plan dated 16 April 2007 and approved by the Alameda County Health Care Services Agency (ACHCSA) in their letter dated 17 April 2007.

The Site is located north of Fifth Street between Cypress Street (Mandela Parkway) and Kirkham Street as shown on Figure 2. It is trapezoidal in shape and encompasses approximately 0.9 acres. The Site is currently vacant, surrounded by a fence. It was previously occupied by the Red Star Yeast Company. All buildings and appurtenant structures have been removed. The current site development includes constructing two buildings consisting of four-stories of residential units above a podium parking garage that will occupy the entire site.

The results of previous environmental investigations at the Site indicate the soil beneath the Site contains elevated concentrations of heavy metals and petroleum hydrocarbons. The presence of these compounds poses soil management and potential health and safety issues to be addressed as part of the Site development activities. The soil management objectives for the Site are to minimize exposure to construction workers at the Site, nearby residents and/or pedestrians, and future users of the Site to constituents in the soil.

### **Soil Confirmation Sampling**

In your letter dated 17 April 2007, the ACHCSA approved the work plan which consisted of:

- Excavating the area near boring SB-2 and performing soil confirmatory sampling from the limits of the excavation for total lead, and;

Mr. Barney Chan  
Environmental Health Specialist  
Alameda County Health Care Services  
Environmental Health Services  
30 May 2007  
Page 2

- Excavating the area believed to be where a former mercury spill occurred and collecting of soil confirmatory samples for total mercury.

## **Lead Impacted Area**

On 17 May 2007, Mountain Movers excavated an area of approximately 5 feet by 5 feet by 2.5 feet in depth at the location of boring SB-2 (Figure 2). After the excavation was completed, T&R collected one soil sample from each of the sidewalls and one soil sample in the center of the bottom of the excavation. The samples were collected from the sidewalls and bottom of the excavation with stainless steel tubes, capped and labeled. The samples were placed in an ice cooled chest and transported under chain-of-custody protocol by McCampbell Analytical, Inc., a California certified laboratory.

The analytical results for total lead are presented on Table 1 and a copy of the certified laboratory reports including chain-of-custody form for the analyses described above are presented in Attachment 1. Total lead was detected at concentrations ranging from 110 milligrams per kilograms (mg/kg) to 190 mg/kg in the sidewall samples and at a concentration of 94 mg/kg in the bottom sample.

Based on the analytical results of the soil confirmation samples, it appears that the elevated total lead concentration around SB-2 at a depth of 2 feet bgs was limited and this area has been excavated and will be disposed during the Site excavation and construction activities.

## **Former Mercury Spill Area**

On 17 May 2007, Mountain Movers excavated soil to approximately 6-inches below the ground surface (bgs), which is the approximate depth of the bottom of former sewer piping (assuming a 6-inch pipe) at the former Mash House (Figure 3). Six soil samples were collected, then an additional 6-inches were excavated and another six soil samples were collected. We collected a total of six soil samples at a depth of 6-inches bgs and six soil samples at a depth of 12-inches bgs. The 12 samples were submitted under chain-of-custody protocols to McCampbell Analytical Inc. and analyzed for mercury by EPA Method 7471B. Figure 3 shows the approximate soil confirmation sampling locations within the former Mash House.

The analytical results of mercury are presented on Table 2 and a copy of the certified laboratory reports and chain-of-custody form for the analyses are presented in Attachment 1. Mercury was detected at concentrations ranging from 0.72 mg/kg to 5.8 mg/kg in the samples collected from 6-inches bgs and at concentrations ranging from 0.093 mg/kg to 0.58 mg/kg in the samples collected from 12 inches bgs.

Based on the analytical results for mercury it appears that no mercury contamination is present in the soil at a depth of 12-inches bgs.

Mr. Barney Chan  
Environmental Health Specialist  
Alameda County Health Care Services  
Environmental Health Services  
30 May 2007  
Page 3

As outlined in our UST Soil and Groundwater Confirmation Sample Results report dated 15 December 2006, site mitigation measures including soil management and health and safety procedures will be followed during all excavation activities at the Site.

We trust this letter provides the information that you require. If you have any questions or require any additional information, please call Peter J. Cusack at 415-955-9040 ext. 244.

Sincerely yours,  
TREADWELL & ROLLO, INC.



Peter J. Cusack, REA  
Senior Associate  
40680112.PJC



Michael A. Chamberlain, PG  
Senior Project Geologist



Attachments: Tables  
Figures  
Attachment 1 – Laboratory Reports

cc: Mr. Curtis Eisenberger - 1396 Fifth Street LLC

## **TABLES**

**Table 1**  
**Soil Analytical Results for Total Lead**  
**Red Star Yeast**  
**Oakland, CA**  
**Project: 4068.01**

<b>Sample ID</b>	<b>Depth (feet)</b>	<b>Date Sampled</b>	<b>Lead</b>
			(mg/kg)
CS-7-WEST	1.5	5/17/2007	180
CS-8-NORTH	1.5	5/17/2007	130
CS-9-EAST	1.5	5/17/2007	190
CS-10-SOUTH	1.5	5/17/2007	110
CS-11-BOT	2.5	5/17/2007	94

Notes:

mg/kg - milligrams per kilograms

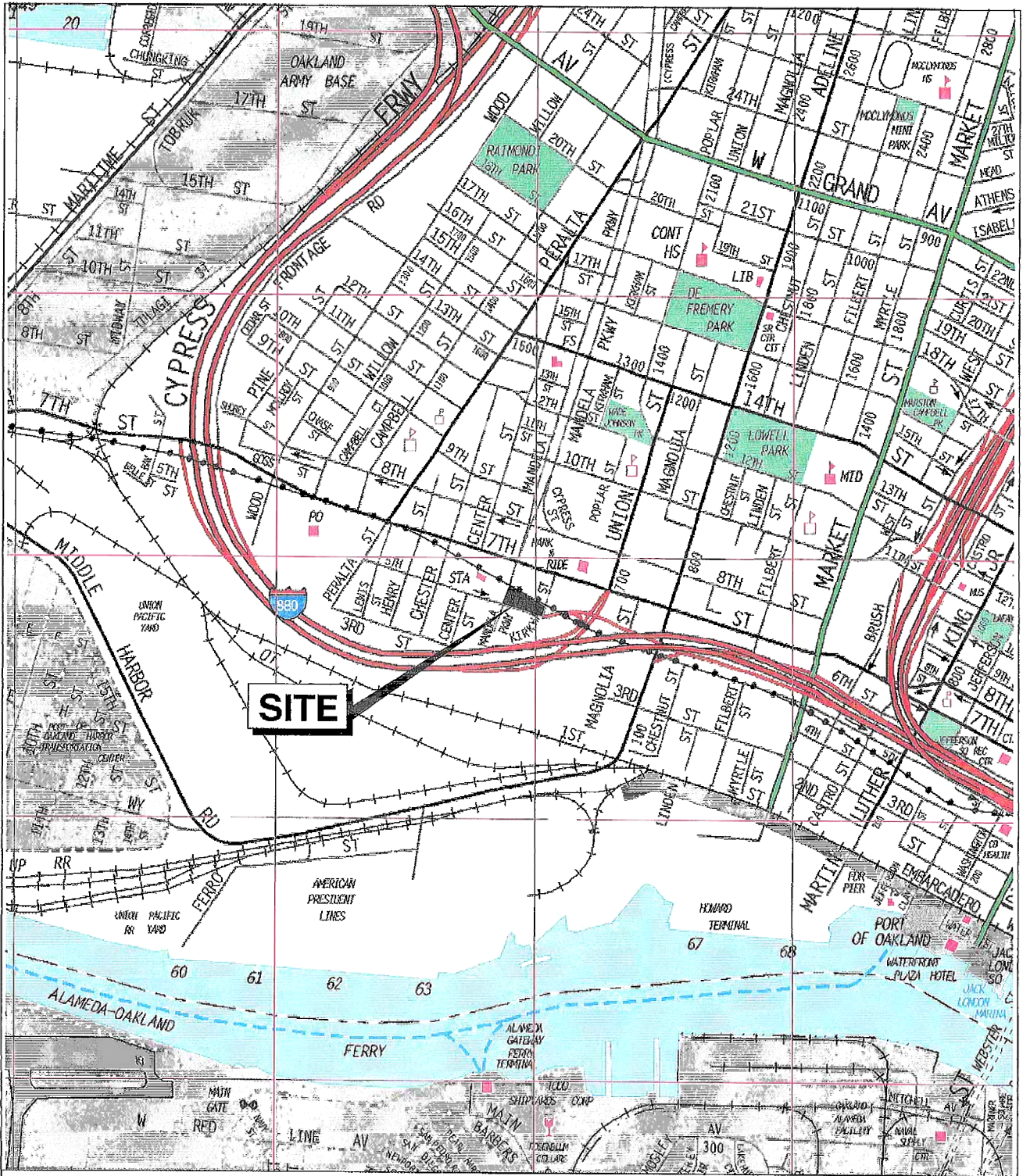
**Table 2**  
**Soil Analytical Results for Total Mercury**  
**Red Star Yeast**  
**Oakland, CA**  
**Project: 4068.01**

<b>Sample ID</b>	<b>Depth (feet)</b>	<b>Date Sampled</b>	<b>Mercury</b>
			(mg/kg)
CS-1-0	0.5	5/17/2007	1.1
CS-1-6	1	5/17/2007	0.11
CS-2-0	0.5	5/17/2007	3
CS-2-6	1	5/17/2007	0.56
CS-3-0	0.5	5/17/2007	5.8
CS-3-6	1	5/17/2007	0.28
CS-4-0	0.5	5/17/2007	0.72
CS-4-6	1	5/17/2007	0.14
CS-5-0	0.5	5/17/2007	1.3
CS-5-6	1	5/17/2007	0.093
CS-6-0	0.5	5/17/2007	1.4
CS-6-6	1	5/17/2007	0.58

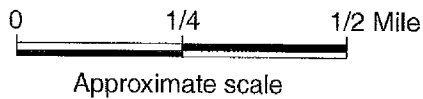
Notes:  
mg/kg - milligrams per kilograms

## FIGURES





Base map: The Thomas Guide  
Alameda County  
1999




**RED STAR YEAST SITE**  
Oakland, California

**SITE LOCATION MAP**

**Treadwell & Rollo**


Date 10/20/06 | Project No. 4068.01 | Figure 1


**CS-7** Approximate location of confirmatory soil sample by Treadwell & Rollo, Inc., May 2007

 Approximate excavation area for confirmation sampling for total lead. Sample CS-7 West, CS-8 North, CS-9 East, CS-10 South, collected from west, north, east, and south excavation sidewalls, respectively. Sample CS-11 Bot Collected from excavation bottom (2.5 feet bgs).

**E-1**  Approximate location of boring by Treadwell & Rollo, Inc., April 2006

**B-1**  Approximate location of boring by Treadwell & Rollo, Inc., March 2005

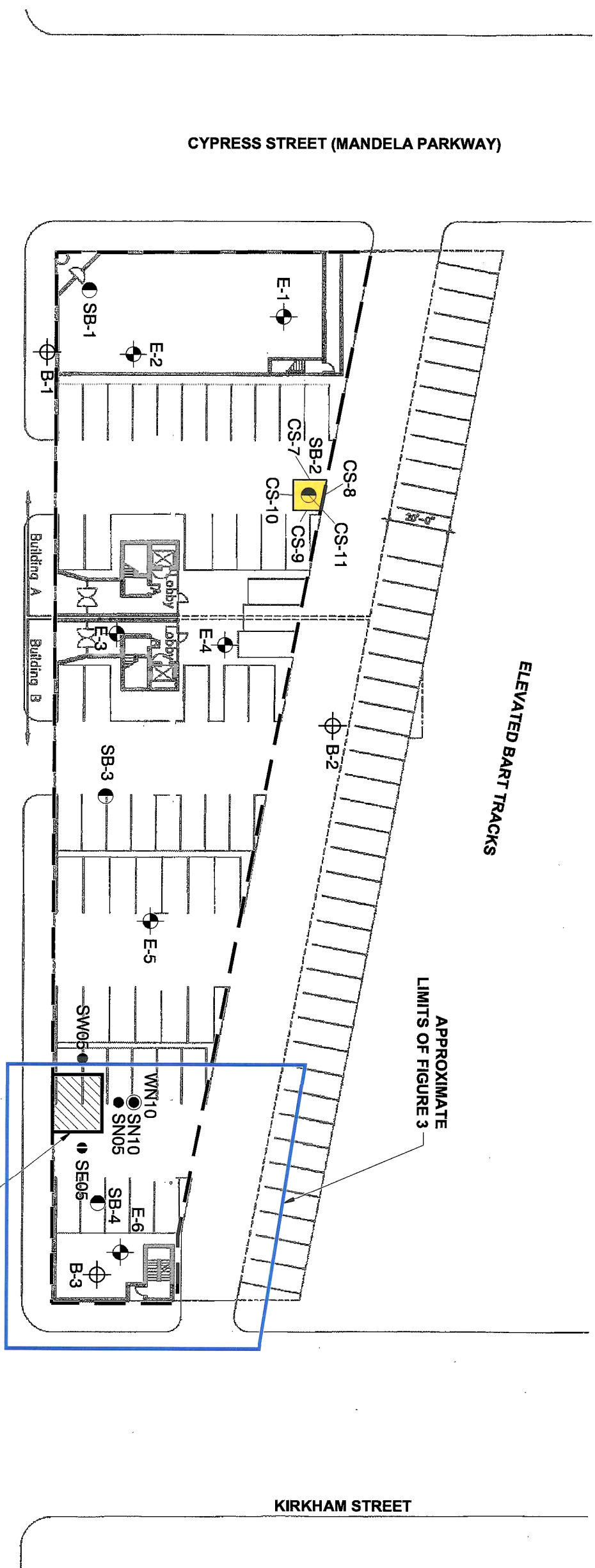
**SB-1**  Approximate location of boring by Remediation Services, Inc., August 2004

**SN05**  Grab soil sample location, by Treadwell & Rollo, Inc., November 2006, May 2007

**WN10**  Grab groundwater sample location, by Treadwell & Rollo, Inc., November 2006

Note: Unless noted, soil samples collected 5 feet below ground surface, groundwater sample collected 6 feet below ground surface.

**EXPLANATION**



Reference: Ground Floor Plan - Option A by Phillip Banta & Associates Architects, dated 11/03/04.

**RED STAR YEAST SITE**  
Oakland, California

**SITE PLAN**

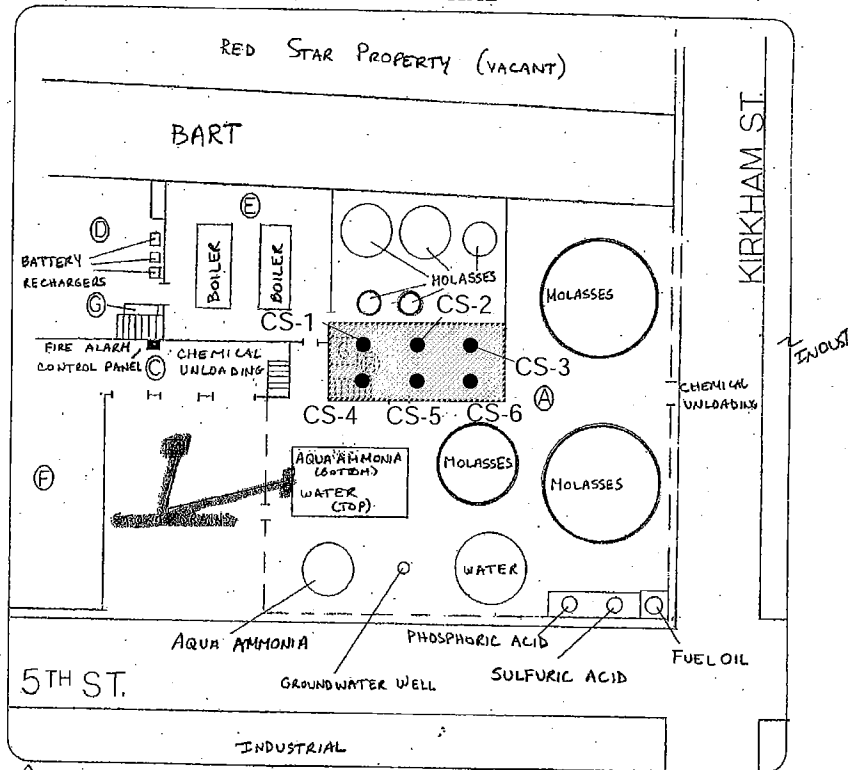
Date 05/30/07 Project No. 4068.01 Figure 2

**Treadwell & Rollo**

Alameda County Department of Environmental Health  
 HAZARDOUS MATERIALS MANAGEMENT PLAN  
 Facility Map - Storage Detail

Facility Name RED STAR YEAST Facility ID 3889

CONFIDENTIAL



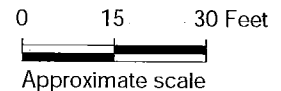
Scale 25 feet/inch Map # 1 Map Name TANK FARM  
 Today's Date 2/28/92

Loc  
 A- TANK FARM  
 B- MASH HOUSE  
 C- LOADING DOCK  
 D- WARE HOUSE  
 E- BOILER ROOM  
 F- COOLER  
 G- OFFICE

NOTE: -MSDS'S STORED IN OFFICES.  
 -ALL INTERIOR DRAINS ARE SEWER DRAINS

EXPLANATION

- Approximate area where mercury spill reportedly occurred in 1996
  - Approximate location of soil sample collected for confirmatory mercury sample
  - CS-1 Confirmation sample collected at depths of 0-6 inches and 6-12 inches
- Reference: Alameda County Department of Environmental Health.



RED START YEAST SITE  
 Oakland, California

PROPOSED SOIL CONFIRMATION  
 SAMPLE LOCATIONS

**Treadwell & Rollo**

Date 05/23/07 Project No. 4068.01 Figure 3

\\TNR2\vol11\Graphics\Trgraphics\4000's\4068.01\Proposed Soil Sample Location.dwg 5/23/07

**ATTACHMENT 1**

**Laboratory Reports**



**McC Campbell Analytical, Inc.**

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Web: www.mccampbell.com E-mail: main@mccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Treadwell & Rollo 555 Montgomery St., Suite 1300 San Francisco, CA 94111	Client Project ID: #4068.01; Red Star Yeast	Date Sampled: 05/17/07
		Date Received: 05/17/07
	Client Contact: Michael Chendorain	Date Reported: 05/23/07
	Client P.O.:	Date Completed: 05/23/07

**WorkOrder: 0705455**

May 23, 2007

Dear Michael:

Enclosed are:

- 1). the results of 17 analyzed samples from your **#4068.01; Red Star Yeast project**,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

TWRF 0705455



**CHAIN OF CUSTODY RECORD**

- 555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415.955.9040/Fax: 415.955.9041
- 501 14th Street, Third Floor, Oakland CA 94612 Ph: 510.874.4500/Fax: 510.874.4507
- 777 Campus Commons Rd., Suite 200, Sacramento, CA 95825 Ph: 916.565.7412/Fax: 916.565.7412

Site Name: Red Star Yeast  
 Job Number: W068.01  
 Project Manager/Contact: M.D. CHENDORAIN / P. J. CUSACK  
 Samplers: M.D. CHENDORAIN  
 Recorder (Signature Required): [Signature]

**Turnaround Time**  
5TD

Analysis Requested	
TOTAL MERCURY	TOTAL LEAD

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix & Preservative								No. Containers		Silica gel clean-up	Hold	Remarks	
				Soil	Water	Other	HCL	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	Ice	Other						
CS1-0	17 MAY 07	0821		✓													
CS2-6		0901															
CS2-0		0824															
CS2-6		0903															
CS3-0		0825															
CS3-6		0905															
CS4-0		0817															
CS4-6		0907															
CS5-0		0815															
CS5-6		0909															
CS6-0		0812															
CS6-6		0910		✓													

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>17 MAY 07</u>	Time <u>12:15</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5/17/07</u>	Time <u>12:15</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5/17/07</u>	Time <u>12:00</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5/17/07</u>	Time <u>3:35</u>
Relinquished by: (Signature)	Date	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): \_\_\_\_\_  
 Laboratory Comments/Notes: MAT

Method of Shipment:  Lab courier  Fed Ex  Airborne  UPS  
 Hand Carried  Private Courier (Co. Name)

White Copy - Original      Yellow Copy - Laboratory

ICRP 118  
 GROUND CONDITION:  Field APPROPRIATE CONTAINERS:   
 HEADSPACE ASSENT: \_\_\_\_\_ PRESERVED IN LAB: \_\_\_\_\_  
 DECHLORINATED IN LAB: \_\_\_\_\_  
 PRESERVATION:  VOAS  O&G  METALS  OTHER  
 CDC Number: 005959

TW RF 0705455



**CHAIN OF CUSTODY RECORD**

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415.955.9040/Fax: 415.955.9041  
 501 14th Street, Third Floor, Oakland CA 94612 Ph: 510.874.4500/Fax: 510.874.4507  
 777 Campus Commons Rd., Suite 200, Sacramento, CA 95825 Ph: 916.565.7412/Fax: 916.565.7412

Site Name: Red Star Yeast  
 Job Number: 4068.01  
 Project Manager/Contact: CHENDORAIN/CUSACK  
 Samplers: M.D. CHENDORAIN  
 Recorder (Signature Required): [Signature]

Turnaround Time  
STD

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix			No. Containers & Preservative					Analysis Requested		Silica gel clean-up	Hold	Remarks	
				Soil	Water	Other	HCL	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	Ice	Other						
CS7 - WEST	17 MAY 07	0915		X													
CS8 - NORTH	↓	0916															
CS9 - EAST	↓	0917															
CS10 - SOUTH	↓	0918															
CS11 - BOT	↓	0920															
Relinquished by: (Signature) <u>[Signature]</u>				Date	17 MAY 07	Time	1215	Received by: (Signature) <u>[Signature]</u>				Date	5/17/07	Time	1215		
Relinquished by: (Signature) <u>[Signature]</u>				Date	5/17/07	Time	120	Received by: (Signature) <u>[Signature]</u>				Date	5/17/07	Time	3:35		
Relinquished by: (Signature)				Date		Time		Received by Lab: (Signature)				Date		Time			

Sent to Laboratory (Name): \_\_\_\_\_  
 Laboratory Comments/Notes: \_\_\_\_\_

Method of Shipment  Lab courier  Fed Ex  Airborne  UPS  
 Hand Carried  Private Courier (Co. Name) \_\_\_\_\_

White Copy - Original

Yellow Copy - Laboratory

Pink Copy - Field

COC Number: 005960

**McCampbell Analytical, Inc.**



1534 Willow Pass Rd  
Pittsburg, CA 94565-1701  
(925) 252-9262

**CHAIN-OF-CUSTODY RECORD**

WorkOrder: 0705455

ClientID: TWRP

EDF     Excel     Fax     Email     HardCopy     ThirdParty

Report to:

Michael Chendorain  
Treadwell & Rollo  
555 Montgomery St., Suite 1300  
San Francisco, CA 94111

Email: mdchendorain@treadwellrollo.com  
TEL: (415) 955-904    FAX: (415) 955-904  
ProjectNo: #4068.01; Red Star Yeast  
PO:

Bill to:

Accounts Payable  
Treadwell & Rollo  
555 Montgomery St., Suite 1300  
San Francisco, CA 94111

Requested TAT: 5 days

Date Received 05/17/2007

Date Printed: 05/17/2007

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)													
					1	2	3	4	5	6	7	8	9	10	11	12		
0705455-001	CS1-0	Soil	05/17/07 8:21:00	<input type="checkbox"/>	A													
0705455-002	CS1-6	Soil	05/17/07 9:01:00	<input type="checkbox"/>	A													
0705455-003	CS2-0	Soil	05/17/07 8:24:00	<input type="checkbox"/>	A													
0705455-004	CS2-6	Soil	05/17/07 9:03:00	<input type="checkbox"/>	A													
0705455-005	CS3-0	Soil	05/17/07 8:25:00	<input type="checkbox"/>	A													
0705455-006	CS3-6	Soil	05/17/07 9:05:00	<input type="checkbox"/>	A													
0705455-007	CS4-0	Soil	05/17/07 8:17:00	<input type="checkbox"/>	A													
0705455-008	CS4-6	Soil	05/17/07 9:07:00	<input type="checkbox"/>	A													
0705455-009	CS5-0	Soil	05/17/07 8:15:00	<input type="checkbox"/>	A													
0705455-010	CS5-6	Soil	05/17/07 9:09:00	<input type="checkbox"/>	A													
0705455-011	CS6-0	Soil	05/17/07 8:12:00	<input type="checkbox"/>	A													
0705455-012	CS6-0	Soil	05/17/07 9:10:00	<input type="checkbox"/>	A													
0705455-013	CS7-WEST	Soil	05/17/07 9:15:00	<input type="checkbox"/>		A												
0705455-014	CS8-NORTH	Soil	05/17/07 9:16:00	<input type="checkbox"/>		A												
0705455-015	CS9-EAST	Soil	05/17/07 9:17:00	<input type="checkbox"/>		A												

Test Legend:

1	HGMS S	2	PB S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Sheli Cryderman

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



**McC Campbell Analytical, Inc.**



1534 Willow Pass Rd  
Pittsburg, CA 94565-1701  
(925) 252-9262

**CHAIN-OF-CUSTODY RECORD**

WorkOrder: 0705455

ClientID: TWRF

EDF     Excel     Fax     Email     HardCopy     ThirdParty

Report to:

Michael Chendorain  
Treadwell & Rollo  
555 Montgomery St., Suite 1300  
San Francisco, CA 94111

Email: mdchendorain@treadwellrollo.com  
TEL: (415) 955-904    FAX: (415) 955-904  
ProjectNo: #4068.01; Red Star Yeast  
PO:

Bill to

Accounts Payable  
Treadwell & Rollo  
555 Montgomery St., Suite 1300  
San Francisco, CA 94111

Requested TAT: 5 days

*Date Received 05/17/2007*

*Date Printed: 05/17/2007*

Sample ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0705455-016	CS10-SOUTH	Soil	05/17/07 9:18:00	<input type="checkbox"/>		A											
0705455-017	CS11-BOT	Soil	05/17/07 9:20:00	<input type="checkbox"/>		A											

Test Legend:

1	HGMS S	2	PB S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Sheli Cryderman

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



### Sample Receipt Checklist

Client Name: **Treadwell & Rollo**

Date and Time Received: **05/17/07 3:39:41 PM**

Project Name: **#4068.01; Red Star Yeast**

Checklist completed and reviewed by: **SC**

WorkOrder N°: **0705455** Matrix Soil

Carrier: Courier

#### Chain of Custody (COC) Information

- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Sample IDs noted by Client on COC? Yes  No
- Date and Time of collection noted by Client on COC? Yes  No
- Sampler's name noted on COC? Yes  No

#### Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes  No  NA
- Shipping container/cooler in good condition? Yes  No
- Samples in proper containers/bottles? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No

#### Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes  No
- Container/Temp Blank temperature Cooler Temp: 11.2°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
- Sample labels checked for correct preservation? Yes  No
- TTLIC Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA

Client contacted:

Date contacted:

Contacted by:

Comments:



# McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Treadwell & Rollo 555 Montgomery St., Suite 1300 San Francisco, CA 94111	Client Project ID: #4068.01; Red Star Yeast	Date Sampled: 05/17/07
	Client Contact: Michael Chendorain	Date Received: 05/17/07
	Client P.O.:	Date Extracted: 05/17/07
		Date Analyzed: 05/22/07

### Mercury by ICP-MS\*

Extraction method SW3050B

Analytical methods 6020A

Work Order: 0705455

Lab ID	Client ID	Matrix	Extraction	Mercury	DF	% SS
0705455-001A	CS1-0	S	TTLC	1.1	1	96
0705455-002A	CS1-6	S	TTLC	0.11	1	92
0705455-003A	CS2-0	S	TTLC	3.0	1	98
0705455-004A	CS2-6	S	TTLC	0.56	1	91
0705455-005A	CS3-0	S	TTLC	5.8	10	91
0705455-006A	CS3-6	S	TTLC	0.28	1	93
0705455-007A	CS4-0	S	TTLC	0.72	1	99
0705455-008A	CS4-6	S	TTLC	0.14	1	103
0705455-009A	CS5-0	S	TTLC	1.3	1	99
0705455-010A	CS5-6	S	TTLC	0.093	1	100
0705455-011A	CS6-0	S	TTLC	1.4	1	100
0705455-012A	CS6-0	S	TTLC	0.58	1	100

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	µg/L
	S	TTLC	0.05	mg/Kg

\*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.



# McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
 Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
 Telephone: 877-252-9262 Fax: 925-252-9269

Treadwell & Rollo  555 Montgomery St., Suite 1300  San Francisco, CA 94111	Client Project ID: #4068.01; Red Star Yeast	Date Sampled: 05/17/07
	Client Contact: Michael Chendorain	Date Received: 05/17/07
	Client P.O.:	Date Extracted: 05/17/07
		Date Analyzed: 05/21/07

### Lead by ICP\*

Extraction method: SW3050B

Analytical methods: 6010C

Work Order: 0705455

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0705455-013A	CS7-WEST	S	TTLC	180	1	104
0705455-014A	CS8-NORTH	S	TTLC	130	1	101
0705455-015A	CS9-EAST	S	TTLC	190	1	100
0705455-016A	CS10-SOUTH	S	TTLC	110	1	106
0705455-017A	CS11-BOT	S	TTLC	94	1	101

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	µg/L
	S	TTLC	5.0	mg/Kg

\*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.



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## QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0705455

EPA Method 6020A	Extraction SW3050B					BatchID: 28131			Spiked Sample ID 0705419-034A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Mercury	0.098	1.25	91.2	91.2	0	0.25	87.8	90.9	3.49	75 - 125	80 - 120
%SS:	96	250	97	93	4.07	250	94	94	0	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

### BATCH 28131 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0705455-001A	05/17/07 8:21 AM	05/17/07	05/22/07 9:33 PM	0705455-002A	05/17/07 9:01 AM	05/17/07	05/22/07 9:38 PM
0705455-003A	05/17/07 8:24 AM	05/17/07	05/22/07 7:20 AM	0705455-004A	05/17/07 9:03 AM	05/17/07	05/22/07 9:43 PM
0705455-005A	05/17/07 8:25 AM	05/17/07	05/22/07 9:48 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery =  $100 * (MS - Sample) / (Amount Spiked)$ ;  $RPD = 100 * (MS - MSD) / ((MS + MSD) / 2)$ .

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.



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## QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0705455

EPA Method 6020A		Extraction SW3050B				BatchID: 28163			Spiked Sample ID 0705458-003A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Mercury	0.14	1.25	93.8	94.3	0.531	0.25	94.9	95.4	0.462	75 - 125	80 - 120
%SS:	96	250	95	96	0.917	250	100	97	3.20	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

### BATCH 28163 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0705455-006A	05/17/07 9:05 AM	05/17/07	05/22/07 9:54 PM	0705455-007A	05/17/07 8:17 AM	05/17/07	05/22/07 7:41 AM
0705455-008A	05/17/07 9:07 AM	05/17/07	05/22/07 7:46 AM	0705455-009A	05/17/07 8:15 AM	05/17/07	05/22/07 7:51 AM
0705455-010A	05/17/07 9:09 AM	05/17/07	05/22/07 8:22 AM	0705455-011A	05/17/07 8:12 AM	05/17/07	05/22/07 8:27 AM
0705455-012A	05/17/07 9:10 AM	05/17/07	05/22/07 8:32 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.



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## QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0705455

EPA Method 6010C		Extraction SW3050B					BatchID: 28090			Spiked Sample ID 0705370-011A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	ND	50	103	100	2.62	10	105	114	8.26	75 - 125	20	80 - 120	20
%SS:	107	250	107	106	1.12	250	105	106	0.663	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

### BATCH 28090 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0705455-013A	05/17/07 9:15 AM	05/17/07	05/21/07 10:45 AM	0705455-014A	05/17/07 9:16 AM	05/17/07	05/21/07 10:47 AM
0705455-015A	05/17/07 9:17 AM	05/17/07	05/21/07 10:49 AM	0705455-016A	05/17/07 9:18 AM	05/17/07	05/21/07 10:52 AM
0705455-017A	05/17/07 9:20 AM	05/17/07	05/21/07 10:54 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte