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September 29, 1999

Mr. Nicholas A. Loukianoff
Shorenstein Company, L.P.
555 California Street
San Francisco, CA 94104

Subject: Letter Report Addressing Tasks 1 and 2 of our Cost Proposal dated August 26, 1999 - Assessment of Handling and Disposal of Contaminated Soil at Property T12 in Oakland, California
Project No. 510996706002

99 SEP 30 PM 2:30

ENVIRONMENTAL PROTECTION

Dear Mr. Loukianoff:

In response to Tasks 1 and 2 of the subject scope of work, URS Greiner Woodward Clyde (URSGWC) is pleased to provide this letter report for the subject property in Oakland, California. The work conducted under Tasks 1 and 2 of our scope of work was undertaken to characterize current groundwater quality and assess the needs to properly handle excavated soils considering the possibility of the presence of petroleum hydrocarbons and lead in the soils.

BACKGROUND

At Parcel T12 (between Martin Luther King Jr. Way and Jefferson Street and 11th and 12th Streets), Woodward-Clyde characterized the extent of contaminated fill material and assessed soil and groundwater quality during two investigations as detailed in a summary report submitted to the Oakland City Attorney's Office (June 1993). The results are summarized briefly herein. The site is paved and is currently utilized as a parking lot.

Three 2-inch diameter groundwater monitoring wells were installed at the site (see Figure 1). On March 13, 1990, groundwater was encountered at the site at a depth of approximately 27.35 to 28.45 feet below the top of the well casings (5.0 to 4.7 feet C.O.O.D.). No significant concentrations of typical site contaminants were detected in native soil and groundwater during the March 1990 investigation.

The concentrations of organic and inorganic contaminants in fill material were investigated in August 1990. The estimated fill thicknesses were presented in the investigation report. Based on these results, the total volume of fill on the site is estimated to be approximately 14,800 bank (in-place) cubic yards. The maximum concentrations of lead and oil and grease detected were 758 and 2,520 mg/kg,

respectively. Based on the concentrations of lead and oil and grease in fill, the parcel was informally divided into two areas (see Figure 1). One area has relatively low concentrations of lead and oil and grease (averages less than 100 mg/kg). The other area has higher concentrations of lead and oil and grease (averages greater than 100 and 600 mg/kg, respectively).

It is our understanding that development of this property may include excavation of soils to an approximate depth of 31 feet below street level (ground surface elevation is between 35 and 38 feet based on a City of Oakland Datum; C.O.O.D.) for the construction of two floors of underground parking.

DESCRIPTION OF FIELD ACTIVITIES

Groundwater Sampling

The three existing groundwater monitoring wells (W-1, W-2 and W-3) were sampled on September 9, 1999 (Appendix A). Groundwater level measurements and total well depths were recorded for each of the monitoring wells prior to purging and sample collection. A photo-ionization detector (PID) was used to evaluate the potential presence of volatile organic compounds (VOCs) in the headspace of each well prior to purging and sampling. PID readings collected from each of the wells indicated VOC concentrations below the level of detection.

Water levels were measured at each well location from the top of casing (TOC) prior to purging. Water levels from the top of casing are converted to elevations above the City of Oakland Datum (C.O.O.D.). Water levels for each well are presented in the following table.

Well Identification	Water Level (feet below TOC)	Water Table Elevation (feet above C.O.O.D.)
W-1	24.93	8.88
W-2	26.04	7.11
W-3	24.79	7.55

Notes: NA = relative level data unavailable for these well locations.

Based on these results, the groundwater flow direction was estimated to be approximately 40 degrees E of N, which is the same as the groundwater flow direction from 1991. However, the current groundwater gradient (0.0067 ft/ft) is nearly double the gradient that was estimated in 1991.

During purging, groundwater parameters including temperature, conductivity and pH were monitored at regular intervals. Groundwater samples were collected following

stabilization of the groundwater parameters. Samples were collected in appropriately preserved, laboratory supplied and individually labeled sample containers. Following sample collection, the samples were stored on ice in a cooler for transport under standard chain-of-custody procedures to Chromalab Inc. Environmental Services in Pleasanton, California.

The field well data, including approximate purge water volumes, water parameter measurements and sampling times are presented in Appendix A. Groundwater samples were submitted to the laboratory for the following analyses:

- Total petroleum hydrocarbons (TPH), quantified as diesel and gasoline;
- Benzene, toluene, ethylbenzene and xylenes (BTEX); and
- Heavy metals.

A duplicate groundwater sample (W-1-090999-02) was collected following sampling at well location W-1. The duplicate sample was handled similar to that of the primary sample and submitted for the same suite of analyses as listed above. The duplicate sample is used for quality assurance/quality control (QA/QC) purposes. An assessment of the laboratory QA/QC is presented below.

Soil Sample Collection

Seven soil borings were drilled using the GeoProbe "direct-push" method on September 10, 1999. At all 7 locations, a composite sample of the fill was collected and analyzed for total oil and grease, total lead, STLC for lead, and TCLP for lead. Three of the locations (G4, G5, and G6) are in the northeast corner of the parking lot where the higher concentrations of oil and grease and lead were found in 1991 (Figure 1). Two of the seven borings (G1 and G6) were drilled down to 12 feet and 11 feet, respectively, to obtain composite samples of the native soil. The native soil samples were analyzed for total oil and grease, CAM 17 metals, STLC for lead, and TCLP for lead. The soil boring logs are provided in Appendix B. Table 2 indicates the depth of sampling in each of the locations.

GROUNDWATER SAMPLING RESULTS

Results for groundwater samples submitted to Chromalab Inc. are presented in Table 1. The complete laboratory report is provided as an attachment (Appendix C).

Total Petroleum Hydrocarbons (TPH)

The results for TPH-gasoline and TPH-diesel in groundwater were below the laboratory's level of detection for all three wells (W1, W2, and W3).

BTEX

The results for BTEX were below the level of laboratory detection for groundwater samples collected from all three wells (W1, W2, and W3).

Heavy Metals

The groundwater results for heavy metals were generally below the level of laboratory detection, and all the results were below the State Primary Maximum Contaminant Levels (MCLs). For the primary and duplicate sample collected from well W-1, the metals detected above the reporting limit and below the MCLs include barium, chromium, nickel and zinc. Background concentrations of barium, chromium, nickel, selenium, and zinc were reported in the groundwater sample collected from well W-2. For well W-3, the metals detected above the reporting limit and below the MCLs include arsenic, barium, chromium, copper, lead, nickel, selenium, vanadium, and zinc. There are no relevant City of Oakland Risk-Based Corrective Action (RBCA) Tier 1 Risk-Based Screening Levels (RBSLs) for metals in groundwater, since groundwater at the site is not used for drinking water and metals are not volatile.

Quality Assurance/Quality Control Review

A QA/QC review of the groundwater analytical data provided by Chromalab Inc. was undertaken to evaluate the accuracy and precision of the laboratory results for use in this report. Analyte matrix spike/matrix spike duplicate (MS/MSD) recoveries were out of QC limits due to matrix interference. Thus, precision and accuracy were verified by LCS/LCSD. Review of surrogate recoveries for organic analyses (i.e., trifluorotoluene, 4-bromofluorobenzene-FID and o-terphenyl) reported acceptable recoveries. The field duplicate sample reported relative percent differences (RPDs) ranging from 0 % to 32.5 % for the four metals detected in the sample. These RPD results are considered acceptable. RPDs could not be calculated for the organic analyses as the results were below the level of laboratory detection. Based on this review, the data is of acceptable precision and accuracy for use in this groundwater assessment.

SOIL SAMPLING RESULTS

Results for soil samples submitted to Chromalab Inc. are presented in Table 2. The complete laboratory report is provided as an attachment (Appendix C).

Oil and Grease (O&G)

The results for O&G in fill samples ranged from 180 to 4,600 mg/kg. The average concentration for Areas 1 and 2 were 1,128 and 3,200 mg/kg, respectively. The O&G

concentrations were generally lower in the native soil samples, ranging from less than the laboratory detection limit (50 mg/kg) to 430 mg/kg. There is no City of Oakland Risk-Based Corrective Action (RBCA) Tier 1 Risk-Based Screening Level (RBSL) for O&G in soil.

Lead

Total lead results in fill samples ranged from 9.5 to 320 mg/kg. The average concentration for Areas 1 and 2 were 98 and 105 mg/kg, respectively, thus indicating no appreciable difference between the two areas. The total lead concentrations were lower in the native soil samples, ranging from 2.5 to 3.2 mg/kg. None of the total lead results exceeded the Industrial PRG of 1,000 mg/kg. There is no City of Oakland Risk-Based Corrective Action (RBCA) Tier 1 Risk-Based Screening Level (RBSL) for lead in soil.

The STLC results for lead in fill samples ranged from 1.0 to 25 mg/L. The average concentration for Areas 1 and 2 were 7.2 and 5.4 mg/L, respectively, thus indicating no appreciable difference between the two areas. The lead STLC results were less than the detection limit in both native soil samples. Two of the lead STLC results (G7-01 in Area 1 and G5-01 in Area 2) exceeded the California hazardous waste criteria of 5 mg/L, thus indicating that such soils would have to be handled as California hazardous waste if excavated from the site.

All of the TCLP lead results were less than the laboratory detection limit, thus indicating that excavated soils would not be considered a RCRA hazardous waste on the basis of the soluble lead.

Other Heavy Metals

The soil results for other heavy metals were less than Industrial PRGs, and they meet landfill acceptance criteria. There are no relevant City of Oakland RBCA Tier 1 RBSLs for metals in soil, since the soils at the site are not surficial, groundwater is not used for drinking water, and metals are not volatile. Regardless of the detected metals concentrations at the site, the current plan is to remove the soil from the site as part of the redevelopment plan.

Quality Assurance/Quality Control Review

A QA/QC review of the soil analytical data provided by Chromalab Inc. was undertaken to evaluate the accuracy and precision of the laboratory results for use in this report. Based on this review, the data is of acceptable precision and accuracy for use in this soil assessment.

CONCLUSIONS

Based on the results of this investigation work at the site, one may conclude that:

- The groundwater analytical results are consistent with historical results in that they indicate non-detectable concentrations of TPH and BTEX and insignificant concentrations of metals.
- The soil analytical results are consistent with historical results for oil and grease and metals, with the exception of lead which was detected at a higher concentration in fill materials in Area 1 than in previous investigations.
- The STLC results for lead in fill material samples indicate that some of the soil will be considered a California hazardous waste if excavated. Additional analysis regarding the handling and disposal of impacted soils is reserved for subsequent work.
- Native soil sample results indicated that the lead content of this soil would not necessitate handling as a hazardous waste.

LIMITATIONS

This report was prepared in general accordance with the accepted standard of practice that exists in northern California at the time the investigation was performed. No other warranties are expressed or implied. Judgements leading to conclusions and recommendations are generally made with an incomplete knowledge of the subsurface conditions present. More extensive studies including additional subsurface investigation can tend to reduce the inherent uncertainties associated with inferring subsurface conditions.

We sincerely appreciate the opportunity to assist you with this important project. Please feel free to call either of the undersigned if you have any questions regarding this letter report.

Jay B. Clare, P.E.
Project Manager

Albert Ridley
Senior Consultant

Attachments:
Table 1 - Summary of Groundwater Analytical Results
Table 2 - Summary of Soil Analytical Results
Figure 1 – Approximate Location of Monitoring Wells and Soil Borings
Appendix A - Groundwater Sampling Data Sheets

Appendix B - Soil Boring Logs
Appendix C - Analytical Laboratory Reports

cc: Alex Greenwood, City of Oakland
Andrew Clark-Clough, City of Oakland
David Ralph, City of Oakland
Bob Lyons, City of Oakland
Larry Seto, Alameda County Department of Environmental Health

TABLE 1

SUMMARY OF GROUNDWATER LABORATORY ANALYSIS RESULTS

Sample ID	Reporting Limit	Primary Maximum Contaminant Level (MCL)	W-1	W-2	W-3	W-1-02
Sampling Date			09/09/1999	09/09/1999	09/09/1999	09/09/1999
Depth to Water [ft TOC]			24.93	26.04	24.79	24.93
BTEX and TPH by EPA Method 8015/8020 (ug/L)						
TPH-Gasoline	50	n/a	ND	ND	ND	ND
TPH-Diesel	50	n/a	ND	ND	ND	ND
Benzene	0.5	1.0	ND	ND	ND	ND
Toluene	0.5	150	ND	ND	ND	ND
Ethylbenzene	0.5	700	ND	ND	ND	ND
Xylenes	0.5	1750	ND	ND	ND	ND
Title 22 Metals by EPA Method 6010 (mg/L)						
Antimony	0.005	0.006	ND	ND	ND	ND
Arsenic	0.005	0.05	ND	ND	0.005	ND
Barium	0.005	1.0	0.13	0.089	0.083	0.13
Beryllium	0.005	0.004	ND	ND	ND	ND
Cadmium	0.002	0.005	ND	ND	ND	ND
Chromium	0.005	0.05	0.02	0.024	0.034	0.022
Cobalt	0.005	n/a	ND	ND	ND	ND
Copper	0.005	1.3	ND	ND	0.0099	ND
Lead	0.005	0.015	ND	ND	0.0098	ND
Mercury	0.0002	0.002	ND	ND	ND	ND
Molybdenum	0.005	n/a	ND	ND	ND	ND
Nickel	0.005	0.1	0.012	0.022	0.012	0.012
Selenium	0.005	0.05	ND	0.0065	0.0059	ND
Silver	0.005	n/a	ND	ND	ND	ND
Thallium	0.005	0.002	ND	ND	ND	ND
Vanadium	0.005	n/a	ND	ND	0.0063	ND
Zinc	0.01	n/a	0.04	0.03	0.053	0.053

Notes:

W-1-02 = Duplicate of W-1

ft bTOC = feet below top of casing

ND = Not detected (i.e., below the laboratory level of detection)

n/a = not available

[ ] = Results exceeding Primary Maximum Contaminant Level (MCL) Cal EPA-DTSC 1994. Summary of California Drinking Water Standards. November 1994.

TABLE 2. SUMMARY OF LABORATORY ANALYSIS RESULTS FOR SOIL SAMPLES

				NATIVE		AREA 1				AREA 2		
Sample ID	Units	Industrial Soil PRG (see notes)	Landfill Acceptance Criteria (see notes)	G1-02-NATIVE	G6-02-NATIVE	G1-01-FILL	G2-01	G3-01	G7-01	G4-01	G5-01	G6-01-FILL
Sampling Date				09/10/99	09/10/99	09/10/99	09/10/99	09/10/99	09/10/99	09/10/99	09/10/99	09/10/99
Depth (ft)	feet bgs			4-12	10-11	0.3-3.5	0.65-4.5	0.5-4.0	0.5-10.5	1.0-3.0	0.5-5.5	0.5-6.0
TPH by EPA Method 8015/8020												
Oil and Grease	mg/kg	n/a	5,000-15,000	430	<50	180	330	2,700	1,300	2,000	4,600	3,000
Lead (Total, STLC and TCLP)												
Total	mg/kg	1,000	50	2.5	3.2	31	9.5	30				
STLC	mg/L	n/a	5	<1	<1	1.8	1.1	1.0		2.9		3.7
TCLP	mg/L	n/a	5	<1	<1	<1	<1	<1	<1	<1	<1	<1
Title 22 Metals by EPA Method 6010												
Antimony	mg/kg	749	150	<2	<2							
Arsenic	mg/kg	2.99	50	1.2	1.2							
Barium	mg/kg	100,000	1,000	32	37							
Beryllium	mg/kg	3,400	7.5	<0.5	<0.5							
Cadmium	mg/kg	934	10	<0.5	<0.5							
Chromium	mg/kg	448	50	35	26							
Cobalt	mg/kg	28,600	800	2.7	4.4							
Copper	mg/kg	69,600	250	6.3	8.1							
Lead	mg/kg	1,000	50	2.5	3.2							
Mercury	mg/kg	562	2	<0.05	<0.05							
Molybdenum	mg/kg	9,370	3,500	<1	<1							
Nickel	mg/kg	37,500	200	23	26							
Selenium	mg/kg	9,370	10	<2	<2							
Silver	mg/kg	9,370	50	<1	<1							
Thallium	mg/kg	150	70	<1	<1							
Vanadium	mg/kg	13,100	240	22	21							
Zinc	mg/kg	100,000	2,500	18	21							

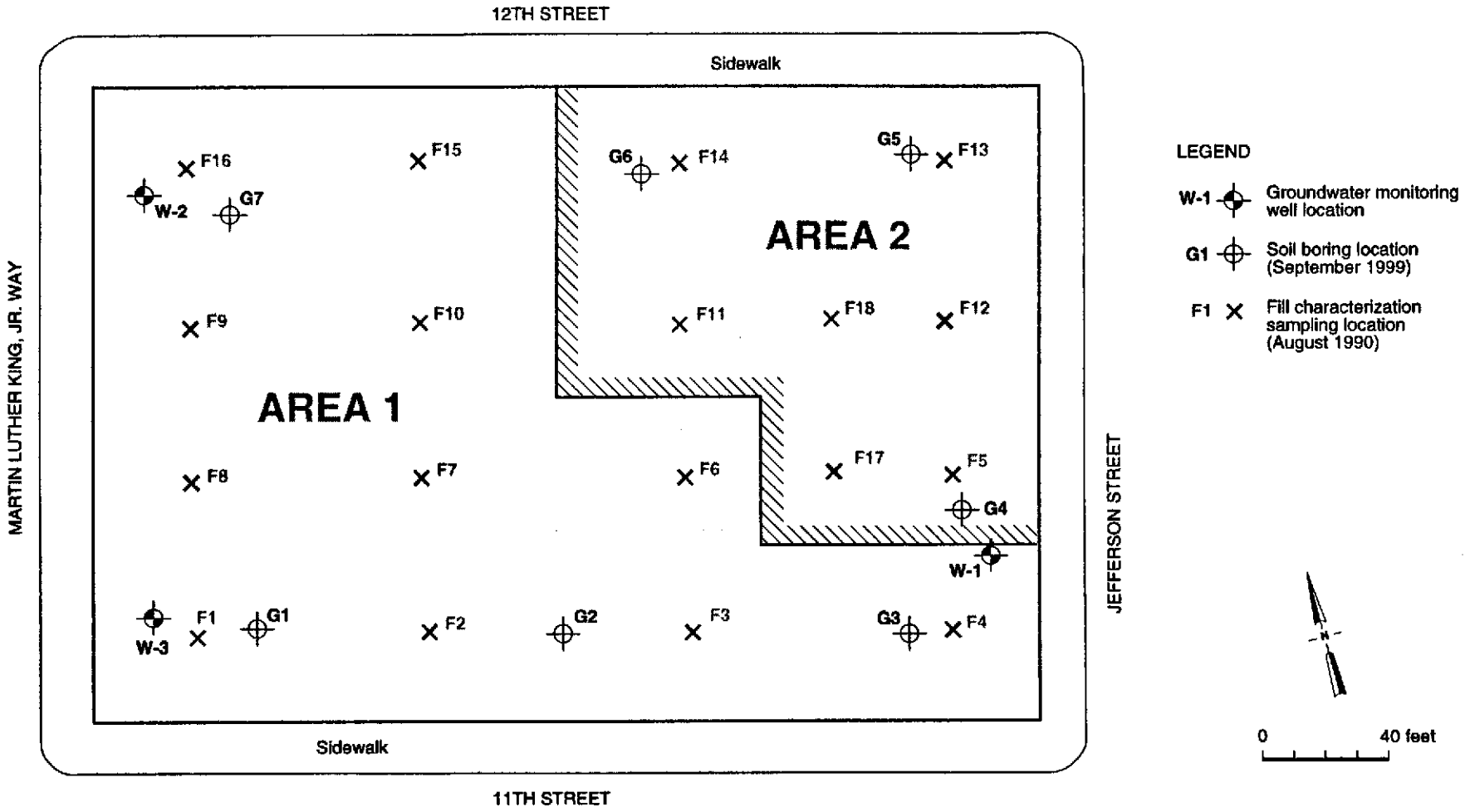
Notes:

= Results exceeding the Preliminary Remedial Goal (PRG) USEPA 1998. Region 9 PRG Tables. May. Industrial Soil

= Results exceeding landfill acceptance criteria of BFI Vasco Road, Livermore, California.

Results exceeding total metals limits require the Waste Extraction Test (STLC), but do not necessarily disqualify the acceptance of the material.

feet bgs = feet below ground surface.



Project No. 51-09967060.02	Shorenstein Parcel T12 Oakland, CA	APPROXIMATE LOCATION OF MONITORING WELLS AND SOIL BORINGS	Figure 1
URS Greiner Woodward Clyde			

51-09967060.02-00000/091599/gos

Appendix A
Groundwater Sampling Data Sheets

FIELD WELL DATA SHEET
URS GREINER WOODWARD-CLYDE
500 12th Street, Suite 200 Oakland, CA 94607

Project No:	510996706002	Task No: 00000	Project Name:	Shorenstein Parcel T12	09/09/1999
Site Location:	Shorenstein Parcel T12, Oakland, CA		Sampler(s):	Craig Prunier	
Well ID:	W-1		(1)Depth to Water(feet):	24.93	(2)Total Well Depth(feet): 35.8
Screen Interval (feet): 25-35			Measurements Referenced to:	(X) TOC	Other:
Well Diameter(inch): 2			Depth to Water after purge (feet):	24.96	OVM (ppm) = 0.9

CALCULATIONS:

Length of the water column: 35.8 (2) ft - 24.9 (1) ft = 10.9 (3) ft

Estimated Purge Volume (EPV): = 10.9 (3) ft X 0.17 (gal/lin. ft.) X 5 (Casing Volumes) = 9.3 gallons

( ) Low-Flow/Micro Purging
(x) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe		
Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	2.067	0.17
3	3.068	0.38
4	4.026	0.66
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) _____Bailer
(X) Disposable Bailer
( ) Electric Submergible Pump
( ) Peristaltic Pump
Other:_____

Sampling Equipment:
( ) _____Bailer
(X) Disposable Bailer
( ) Extraction Port
Other:_____

Type of Water Quality Kit Used:
( ) Orion
( ) YSI 3500
(X) HYDAC

Time (24 hrs)	Temperature (^{0}F)	Conductivity (uS/cm)	pH (units)	Turbidity (NTU)	DO (mg/l)	ORP (mv)	Volume (gallons)	Notes: Color, Smell (Flow Rate)
1340	71.8	610	7.79				1	
1345	70.1	660	6.65				2.5	
1350	70.5	590	6.44				3.5	
1357	72.5	660	6.6				5	
1405	71.3	860	6.68				6	
1410	71.3	640	6.42				7	
1415	71.2	650	6.47				8	
1420	71.3	640	6.49				9	

Did Well Dewater? If yes, _____ gallons		Time:	Gallons Actually Purged:
Sample ID: W-1-090999	Sampling Date:	########	Water Level (ft): 24.96
	Sampling Time:	1430	Number of Bottles: 6
Sample Analysed For:	TPH-g w/BTEX, TPH-d, List A Metals		
Duplicate Sample ID: W-1-090999-02	Sampling Date:	09/09/1999	Number of Bottles: 6
	Sampling Time:	1435	
Duplicate Sample Analysed For:	TPH-g w/BTEX, TPH-d, List A Metals		

FIELD WELL DATA SHEET
URS GREINER WOODWARD-CLYDE
500 12th Street, Suite 200 Oakland, CA 94607

Project No:	510996706002	Task No: 00000	Project Name:	Shorenstein Parcel T12	09/09/1999
Site Location:	Shorenstein Parcel T12, Oakland, CA		Sampler(s):	Craig Prunier	
Well ID:	W-2		(1)Depth to Water(feet):	26.04	(2)Total Well Depth(feet): 36.7
Screen Interval (feet): 25-35			Measurements Referenced to:	(X) TOC	Other:
Well Diameter(inch): 2			Depth to Water after purge (feet):	26.05	OVM (ppm) = 0

CALCULATIONS:

Length of the water column: 36.7 (2) ft - 26.04 (1) ft = 10.66 (3) ft

Estimated Purge Volume (EPV): = 10.66 (3) ft X 0.17 (gal/lin. ft.) X 5 (Casing Volumes) = 9.1 gallons

( ) Low-Flow/Micro Purging
(x) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe		
Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	2.067	0.17
3	3.068	0.38
4	4.026	0.66
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) _____Bailer
(X) Disposable Bailer
( ) Electric Submergible Pump
( ) Peristaltic Pump
Other:_____

Sampling Equipment:
( ) _____Bailer
(X) Disposable Bailer
( ) Extraction Port
Other:_____

Type of Water Quality Kit Used:
( ) Orion
( ) YSI 3500
(X) HYDAC

Time (24 hrs)	Temperature (°F)	Conductivity (uS/cm)	pH (units)	Turbidity (NTU)	DO (mg/l)	ORP (mv)	Volume (gallons)	Notes: Color, Smell (Flow Rate)
1220	69.3	2180	6.97				0.5	
1225	68.6	1770	6.54				2	
1230	68.3	1520	6.71				3.5	
1237	68.5	1710	6.53				5	
1244	68.2	1740	6.44				6	
1251	67.9	1720	6.45				7.5	
1301	67.8	1710	6.47				9	

Did Well Dewater?	If yes, _____ gallons	Time:	Gallons Actually Purged:
Sample ID:	W-2-090999	Sampling Date: 09/09/1999	Water Level (ft): 26.05
		Sampling Time: 1315	Number of Bottles: 6
Sample Analysed For:	TPH-g w/BTEX, TPH-d, List A Metals		
Duplicate Sample ID:		Sampling Date:	Number of Bottles:
		Sampling Time:	
Duplicate Sample Analysed For:	TPH-g w/BTEX, TPH-d, List A Metals		

FIELD WELL DATA SHEET
URS GREINER WOODWARD-CLYDE
500 12th Street, Suite 200 Oakland, CA 94607

Project No:	510996706002	Task No: 00000	Project Name:	Shorenstein Parcel T12	09/09/1999
Site Location:	Shorenstein Parcel T12, Oakland, CA		Sampler(s):	Craig Prunier	
Well ID:	W-3		(1)Depth to Water(feet):	24.79	(2)Total Well Depth(feet): 35.2
Screen Interval (feet): 25-35			Measurements Referenced to:	(X) TOC	Other:
Well Diameter(inch): 2			Depth to Water after purge (feet):	24.84	OVM (ppm) = 0

CALCULATIONS:

Length of the water column: 35.2 (2) ft - 24.79 (1) ft = 10.41 (3) ft

Estimated Purge Volume (EPV): = 10.41 (3) ft X 0.17 gal/in. ft. X 5 Casing Volumes = 8.9 gallons

( ) Low-Flow/Micro Purging
(x) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	2.067	0.17
3	3.068	0.38
4	4.026	0.66
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) _____Bailer
(X) Disposable Bailer
( ) Electric Submergible Pump
( ) Peristaltic Pump
Other:_____

Sampling Equipment:
( ) _____Bailer
(X) Disposable Bailer
( ) Extraction Port
Other:_____

Type of Water Quality Kit Used:
( ) Orion
( ) YSI 3500
(X) HYDAC

Time (24 hrs)	Temperature (°F)	Conductivity (uS/cm)	pH (units)	Turbidity (NTU)	DO (mg/l)	ORP (mv)	Volume (gallons)	Notes: Color, Smell (Flow Rate)
1000	68.4	2200	7.34				0	
1005	67.9	310	7.13				0.8	
1010	67.6	320	6.78				2	
1015	67.3	300	6.92				3.5	
1022	67.2	410	6.65				5	
1027	67.4	300	6.57				6	
1035	67.5	310	6.63				7.5	
1045	67.6	310	6.65				8.5	

Did Well Dewater? If yes, _____ gallons		Time:	Gallons Actually Purged:
Sample ID: W-3-090999	Sampling Date: 09/09/1999		Water Level (ft): 24.84
	Sampling Time: 1100		Number of Bottles: 6
Sample Analysed For:	TPH-g w/BTEX, TPH-d, List A Metals		
Duplicate Sample ID:	Sampling Date:		Number of Bottles:
	Sampling Time:		
Duplicate Sample Analysed For:	TPH-g w/BTEX, TPH-d, List A Metals		

Appendix B
Soil Boring Logs

BOREHOLE LOG

URS Greiner Woodward Clyde

Project and Location	Elevation and datum	Project No.
Shorenstein Parcel T12	**na**	**510996706002**
Borehole Identification Number	Date Started	Date Finished
G1	**9/10/1999**	**09/10/1999**
Drilling Equipment	Completion Depth	Supervised By
GeoProbe	**12'**	**C. Prunier**

Material Description	(feet)	recovery	Sample Details: Identification	Sample Details: PID Response (ppm)	Remarks
4" Asphalt					
Dry gravel					
Moist, dark-brown, fine sand w/ trace gravel	1.00				
Moist, brown, medium to coarse sand grades down to light brown (fill)	2.00		G1-01-Fill		
	3.00				
	4.00				
Oxidized, light brown medium sand (native)	5.00				
less oxidation, coarser sand with little gray silty clay lenses	6.00				
	7.00		G1-02-native		
Dark brown medium sand with trace oxidation	8.00				
Orange to red, meduim to coarse sand with little oxidation	9.00				
	10.00				

Prepared by: CP
Checked by: JC

BOREHOLE LOG

URS Greiner Woodward Clyde

Project and Location	Elevation and datum	Project No.
Shorenstein Parcel T12	**na**	**510996706002**
Borehole Identification Number	Date Started	Date Finished
G1 (cont.)	**09/10/1999**	**09/10/1999**
Drilling Equipment	Completion Depth	Supervised By
GeoProbe	**12'**	**C. Prunier**

Material Description	(feet)	recovery	Sample Details: Identification	Sample Details: PID Response (ppm)	Remarks
Medium to coarse sand w/ little oxidation w/ some dark gray mottling of silty clay	10.00 – 11.00		G1-02-native (cont.)		
	12.00 – 20.00				

Prepared by: CP
Checked by: JC

BOREHOLE LOG

URS Greiner Woodward Clyde

Project and Location	Elevation and datum	Project No.
Shorenstein Parcel T12	**na**	**510996706002**
Borehole Identification Number	Date Started	Date Finished
G2	**09/10/1999**	**09/10/1999**
Drilling Equipment	Completion Depth	Supervised By
GeoProbe	**8'**	**C. Prunier**

Material Description	(feet)	recovery	Sample Details: Identification	Sample Details: PID Response (ppm)	Remarks
3" Asphalt					
Dry brown sand w/ mostly gravel					
Moist, dark-brown, fine sand grades to medium sand w/ trace coarse sand (fill)	1.00				
Moist, brown, medium to coarse sand grades down to light brown (fill)	2.00				
	3.00		G2-01		
	4.00				
Oxidized, light brown medium sand (native)	5.00				
Light brown to red medium sand w/ little clay	6.00				
	7.00				
	8.00				
	9.00				
	10.00				

Prepared by: CP
Checked by: JC

BOREHOLE LOG

URS Greiner Woodward Clyde

Project and Location	Elevation and datum	Project No.
Shorenstein Parcel T12	**na**	**510996706002**
Borehole Identification Number	Date Started	Date Finished
G3	**09/10/1999**	**09/10/1999**
Drilling Equipment	Completion Depth	Supervised By
GeoProbe	**6'**	**C. Prunier**

Material Description	(feet)	recovery	Sample Details: Identification	Sample Details: PID Response (ppm)	Remarks
4" Asphalt					
Dry gray gravel Dark gray to black, clayey silt w/ trace gravel	1.00				
Dark brown medium sand (fill)	2.00		G3-01		2 feet of recovered boring between 4" to 4'. Precise location of sample not determined.
	3.00				
	4.00				
Medium to coarse, oxidized sand (native)	5.00				
	6.00				
	7.00				
	8.00				
	9.00				
	10.00				

Prepared by: CP
Checked by: JC

BOREHOLE LOG

URS Greiner Woodward Clyde

Project and Location	Elevation and datum	Project No.
Shorenstein Parcel T12	**na**	**510996706002**
Borehole Identification Number	Date Started	Date Finished
G4	**09/10/1999**	**09/10/1999**
Drilling Equipment	Completion Depth	Supervised By
GeoProbe	**3'**	**C. Prunier**

Material Description	(feet)	recovery	Sample Details: Identification	Sample Details: PID Response (ppm)	Remarks
4" Asphalt					
Dry brown fine sand w/ trace gravel	1.00				
Dark gray, coarse sand w/ some gravel w/ trace brick fragments	2.00		G4-01		Oil smell
	3.00				
	4.00				
	5.00				
	6.00				
	7.00				
	8.00				
	9.00				
	10.00				

Prepared by: CP
Checked by: JC

BOREHOLE LOG

URS Greiner Woodward Clyde

Project and Location	Elevation and datum	Project No.
Shorenstein Parcel T12	**na**	**510996706002**
Borehole Identification Number	Date Started	Date Finished
G5	**09/10/1999**	**09/10/1999**
Drilling Equipment	Completion Depth	Supervised By
GeoProbe	**6.5'**	**C. Prunier**

Material Description	(feet)	recovery	Sample Details: Identification	Sample Details: PID Response (ppm)	Remarks
4" Asphalt					
Dry brown sand and gravel	1.00				
Dark gray to black fine sand (fill)	2.00				Oil smell
	3.00		G5-01		
Dark gray to black fine sand (fill)	4.00				oil smell
	5.00				
Gray to green sandy silt (possible native)	6.00				
	7.00				
	8.00				
	9.00				
	10.00				

Prepared by: CP
Checked by: JC

BOREHOLE LOG

URS Greiner Woodward Clyde

Project and Location	Elevation and datum	Project No.
Shorenstein Parcel T12	**na**	**510996706002**
Borehole Identification Number	Date Started	Date Finished
G6	**09/10/1999**	**09/10/1999**
Drilling Equipment	Completion Depth	Supervised By
GeoProbe	**11'**	**C. Prunier**

Material Description	(feet)	recovery	Sample Details: Identification	Sample Details: PID Response (ppm)	Remarks
4" Asphalt					
Light brown/dark brown sandy silt w/ some gravel	1.00				
Red to brown sand w/ light brown clay lenses	2.00				
Brown medium- to coarse sand	3.00		G6-01-Fill		Large concrete fragment in geoprobe shoe
Oxidized, light brown medium sand (native)	4.00				
black crystallized sand w/ oil smell	5.00				oil smell
very light gray coarse sand with some brick fragments (fill)	6.00				
	7.00				
	8.00				
	9.00				
Brown- to red medium to coarse sand (native) down to 11'	10.00		G6-02-native		G6-02-native sample from 10 to 11 ft

Prepared By: CP
Checked By: JC

BOREHOLE LOG

URS Greiner Woodward Clyde

Project and Location	Elevation and datum	Project No.
Shorenstein Parcel T12	**na**	**510996706002**
Borehole Identification Number	Date Started	Date Finished
G7	**09/10/1999**	**09/10/1999**
Drilling Equipment	Completion Depth	Supervised By
GeoProbe	**11.5'**	**C. Prunier**

Material Description	(feet)	recovery	Sample Details: Identification	Sample Details: PID Response (ppm)	Remarks
4" Asphalt					
Brown clayey silt w/ some gravel	1.00				
	2.00				
slate fragments at base of soil boring section					
	3.00				
Brown medium- to coarse sand					
	4.00				
Brown to orange sandy silt w/trace gravel			G7-01		G7-01 composite sample from 1' to 10.5'
	5.00				
Gray sand w/ some brick fragments (fill)					
	6.00				
	7.00				
	8.00				
Brown fine sand w/ some gray clay lenses					
	9.00				
Red to brown medium to coarse sand with trace gravel and trace brick grades to no brick (possibly still fill)	10.00				Same material continues down bottom of soil boring at 11.5'

Prepared by: CP
Checked by: JC

Appendix C
Analytical Laboratory Reports

CHROMALAB, INC.
Environmental Services (SDB)

Submission #: 1999-09-0143
Date: September 17, 1999

URS Greiner Woodward Clyde- Oakland
500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn.: Mr. Jay Clare

Project: 51099670600
Shorenstien Parcel T

Dear Jay,

Attached is our report for your samples received on Thursday September 9, 1999. This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after October 9, 1999 unless you have requested otherwise. We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

Sincerely,

Afsaneh Salimpour

To: URS Greiner Woodward Clyde- Oakland
Attn.: Jay Clare

CASE NARRATIVE

General and Sample Comments

We (ChromaLab, Inc.) received 4 Water samples, on Sep 9 1999 5:06PM.

Per QC Batch Comments

Gas BTEX	Water	QC Batch#: 1999/09/15.01-01

OC2 >> MSD Lab#: 1999/09/15.01-01-005

Compound Flag(s)

mso Analyte MS/MSD recoveries were out of QC limits due to matrix interference. Precision and Accuracy were verified by LCS/LCSD.

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0143

CAM 17 Metals

URS Greiner Woodward Clyde- Oakland

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn: Jay Clare

Phone: (510) 874-3027 Fax: (510) 874-3268

Project #: 510996706001

Project: Shorenstien Parcel Til

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
W-3-090999	Water	09/09/1999 11:00	1
W-2-090999	Water	09/09/1999 13:15	2
W-1-090999	Water	09/09/1999 14:30	3
W-1-090999-02	Water	09/09/1999 14:35	4

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0143

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 6010B
7470A

Prep Method: 3010A
7470A

CAM 17 Metals

Sample ID:	**W-3-090999**	Lab Sample ID:	**1999-09-0143-001**
Project:	510996706001 Shorenstien Parcel Til	Received:	09/09/1999 17:06
		Extracted:	09/14/1999 07:24
Sampled:	09/09/1999 11:00	QC-Batch:	1999/09/14-01.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	0.0050	mg/L	1.00	09/14/1999 11:10	
Arsenic	0.0050	0.0050	mg/L	1.00	09/14/1999 11:10	
Barium	0.083	0.0050	mg/L	1.00	09/14/1999 11:10	
Beryllium	ND	0.0050	mg/L	1.00	09/14/1999 11:10	
Cadmium	ND	0.0020	mg/L	1.00	09/14/1999 11:10	
Chromium	0.034	0.0050	mg/L	1.00	09/14/1999 11:10	
Cobalt	ND	0.0050	mg/L	1.00	09/14/1999 11:10	
Copper	0.0099	0.0050	mg/L	1.00	09/14/1999 11:10	
Lead	0.0098	0.0050	mg/L	1.00	09/14/1999 11:10	
Molybdenum	ND	0.0050	mg/L	1.00	09/14/1999 11:10	
Nickel	0.012	0.0050	mg/L	1.00	09/14/1999 11:10	
Selenium	0.0059	0.0050	mg/L	1.00	09/14/1999 11:10	
Silver	ND	0.0050	mg/L	1.00	09/14/1999 11:10	
Thallium	ND	0.0050	mg/L	1.00	09/14/1999 11:10	
Vanadium	0.0063	0.0050	mg/L	1.00	09/14/1999 11:10	
Zinc	0.053	0.010	mg/L	1.00	09/14/1999 11:10	
Mercury	ND	0.00020	mg/L	1.00	09/14/1999 10:27	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0143

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 6010B
7470A

Prep Method: 3010A
7470A

CAM 17 Metals

Sample ID:	**W-2-090999**	Lab Sample ID:	**1999-09-0143-002**
Project:	510996706001 Shorenstien Parcel Til	Received:	09/09/1999 17:06
		Extracted:	09/14/1999 07:24
Sampled:	09/09/1999 13:15	QC-Batch:	1999/09/14-01.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	0.0050	mg/L	1.00	09/14/1999 11:22	
Arsenic	ND	0.0050	mg/L	1.00	09/14/1999 11:22	
Barium	0.089	0.0050	mg/L	1.00	09/14/1999 11:22	
Beryllium	ND	0.0050	mg/L	1.00	09/14/1999 11:22	
Cadmium	ND	0.0020	mg/L	1.00	09/14/1999 11:22	
Chromium	0.024	0.0050	mg/L	1.00	09/14/1999 11:22	
Cobalt	ND	0.0050	mg/L	1.00	09/14/1999 11:22	
Copper	ND	0.0050	mg/L	1.00	09/14/1999 11:22	
Lead	ND	0.0050	mg/L	1.00	09/14/1999 11:22	
Molybdenum	ND	0.0050	mg/L	1.00	09/14/1999 11:22	
Nickel	0.022	0.0050	mg/L	1.00	09/14/1999 11:22	
Selenium	0.0065	0.0050	mg/L	1.00	09/14/1999 11:22	
Silver	ND	0.0050	mg/L	1.00	09/14/1999 11:22	
Thallium	ND	0.0050	mg/L	1.00	09/14/1999 11:22	
Vanadium	ND	0.0050	mg/L	1.00	09/14/1999 11:22	
Zinc	0.030	0.010	mg/L	1.00	09/14/1999 11:22	
Mercury	ND	0.00020	mg/L	1.00	09/14/1999 10:31	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0143

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 6010B
7470A

Prep Method: 3010A
7470A

CAM 17 Metals

Sample ID:	**W-1-090999**	Lab Sample ID:	**1999-09-0143-003**
Project:	510996706001 Shorenstien Parcel Til	Received:	09/09/1999 17:06
		Extracted:	09/14/1999 07:24
Sampled:	09/09/1999 14:30	QC-Batch:	1999/09/14-01.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	0.0050	mg/L	1.00	09/14/1999 11:26	
Arsenic	ND	0.0050	mg/L	1.00	09/14/1999 11:26	
Barium	0.13	0.0050	mg/L	1.00	09/14/1999 11:26	
Beryllium	ND	0.0050	mg/L	1.00	09/14/1999 11:26	
Cadmium	ND	0.0020	mg/L	1.00	09/14/1999 11:26	
Chromium	0.020	0.0050	mg/L	1.00	09/14/1999 11:26	
Cobalt	ND	0.0050	mg/L	1.00	09/14/1999 11:26	
Copper	ND	0.0050	mg/L	1.00	09/14/1999 11:26	
Lead	ND	0.0050	mg/L	1.00	09/14/1999 11:26	
Molybdenum	ND	0.0050	mg/L	1.00	09/14/1999 11:26	
Nickel	0.012	0.0050	mg/L	1.00	09/14/1999 11:26	
Selenium	ND	0.0050	mg/L	1.00	09/14/1999 11:26	
Silver	ND	0.0050	mg/L	1.00	09/14/1999 11:26	
Thallium	ND	0.0050	mg/L	1.00	09/14/1999 11:26	
Vanadium	ND	0.0050	mg/L	1.00	09/14/1999 11:26	
Zinc	0.040	0.010	mg/L	1.00	09/14/1999 11:26	
Mercury	ND	0.00020	mg/L	1.00	09/14/1999 10:32	

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 6010B
7470A

Prep Method: 3010A
7470A

CAM 17 Metals

Sample ID:	**W-1-090999-02**	Lab Sample ID:	**1999-09-0143-004**
Project:	510996706001 Shorenstien Parcel Til	Received:	09/09/1999 17:06
		Extracted:	09/14/1999 07:24
Sampled:	09/09/1999 14:35	QC-Batch:	1999/09/14-01.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	0.0050	mg/L	1.00	09/14/1999 11:29	
Arsenic	ND	0.0050	mg/L	1.00	09/14/1999 11:29	
Barium	0.13	0.0050	mg/L	1.00	09/14/1999 11:29	
Beryllium	ND	0.0050	mg/L	1.00	09/14/1999 11:29	
Cadmium	ND	0.0020	mg/L	1.00	09/14/1999 11:29	
Chromium	0.022	0.0050	mg/L	1.00	09/14/1999 11:29	
Cobalt	ND	0.0050	mg/L	1.00	09/14/1999 11:29	
Copper	ND	0.0050	mg/L	1.00	09/14/1999 11:29	
Lead	ND	0.0050	mg/L	1.00	09/14/1999 11:29	
Molybdenum	ND	0.0050	mg/L	1.00	09/14/1999 11:29	
Nickel	0.012	0.0050	mg/L	1.00	09/14/1999 11:29	
Selenium	ND	0.0050	mg/L	1.00	09/14/1999 11:29	
Silver	ND	0.0050	mg/L	1.00	09/14/1999 11:29	
Thallium	ND	0.0050	mg/L	1.00	09/14/1999 11:29	
Vanadium	ND	0.0050	mg/L	1.00	09/14/1999 11:29	
Zinc	0.053	0.010	mg/L	1.00	09/14/1999 11:29	
Mercury	ND	0.00020	mg/L	1.00	09/14/1999 10:36	

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 7470A
6010B

Prep Method: 3010A
7470A

Batch QC Report
CAM 17 Metals

Method Blank **Water** **QC Batch # 1999/09/14-01.16**

MB: 1999/09/14-01.16-011 Date Extracted: 09/14/1999 07:27

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Mercury	ND	0.0002	mg/L	09/14/1999 10:21	

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 7470A
6010B

Prep Method: 3010A
7470A

Batch QC Report
CAM 17 Metals

Method Blank | **Water** | **QC Batch # 1999/09/14-01.15**

MB: 1999/09/14-01.15-015

Date Extracted: 09/14/1999 07:24

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Antimony	ND	0.0050	mg/L	09/14/1999 10:58	
Arsenic	ND	0.0050	mg/L	09/14/1999 10:58	
Barium	ND	0.0050	mg/L	09/14/1999 10:58	
Beryllium	ND	0.0050	mg/L	09/14/1999 10:58	
Cadmium	ND	0.0020	mg/L	09/14/1999 10:58	
Chromium	ND	0.0050	mg/L	09/14/1999 10:58	
Cobalt	ND	0.0050	mg/L	09/14/1999 10:58	
Copper	ND	0.0050	mg/L	09/14/1999 10:58	
Lead	ND	0.0050	mg/L	09/14/1999 10:58	
Molybdenum	ND	0.0050	mg/L	09/14/1999 10:58	
Nickel	ND	0.0050	mg/L	09/14/1999 10:58	
Selenium	ND	0.0050	mg/L	09/14/1999 10:58	
Silver	ND	0.0050	mg/L	09/14/1999 10:58	
Thallium	ND	0.0050	mg/L	09/14/1999 10:58	
Vanadium	ND	0.0050	mg/L	09/14/1999 10:58	
Zinc	ND	0.010	mg/L	09/14/1999 10:58	

To: **URS Greiner Woodward Clyde- Oakland**

Attn: Jay Clare

Test Method: 7470A
6010B

Prep Method: 3010A
7470A

Batch QC Report

CAM 17 Metals

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 1999/09/14-01.16**

LCS: 1999/09/14-01.16-012 Extracted: 09/14/1999 07:27 Analyzed: 09/14/1999 10:22

LCSD: 1999/09/14-01.16-013 Extracted: 09/14/1999 07:27 Analyzed: 09/14/1999 10:24

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Mercury	0.0181	0.0181	0.0200	0.0200	90.5	90.5	0.0	85-115	20		

To: **URS Greiner Woodward Clyde- Oakland**

Attn: Jay Clare

Test Method: 7470A
6010B

Prep Method: 3010A
7470A

Batch QC Report

CAM 17 Metals

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 1999/09/14-01.15**

LCS: 1999/09/14-01.15-016 Extracted: 09/14/1999 07:24 Analyzed: 09/14/1999 11:02

LCSD: 1999/09/14-01.15-017 Extracted: 09/14/1999 07:24 Analyzed: 09/14/1999 11:06

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Antimony	0.497	0.476	0.500	0.500	99.4	95.2	4.3	80-120	20		
Arsenic	0.501	0.481	0.500	0.500	100.2	96.2	4.1	80-120	20		
Barium	0.508	0.497	0.500	0.500	101.6	99.4	2.2	80-120	20		
Beryllium	0.499	0.486	0.500	0.500	99.8	97.2	2.6	80-120	20		
Cadmium	0.501	0.492	0.500	0.500	100.2	98.4	1.8	80-120	20		
Chromium	0.481	0.471	0.500	0.500	96.2	94.2	2.1	80-120	20		
Cobalt	0.503	0.482	0.500	0.500	100.6	96.4	4.3	80-120	20		
Copper	0.497	0.485	0.500	0.500	99.4	97.0	2.4	80-120	20		
Lead	0.501	0.479	0.500	0.500	100.2	95.8	4.5	80-120	20		
Molybdenum	0.512	0.492	0.500	0.500	102.4	98.4	4.0	80-120	20		
Nickel	0.501	0.489	0.500	0.500	100.2	97.8	2.4	80-120	20		
Selenium	0.493	0.471	0.500	0.500	98.6	94.2	4.6	80-120	20		
Silver	0.496	0.487	0.500	0.500	99.2	97.4	1.8	80-120	20		
Thallium	0.512	0.491	0.500	0.500	102.4	98.2	4.2	80-120	20		
Vanadium	0.494	0.484	0.500	0.500	98.8	96.8	2.0	80-120	20		
Zinc	0.501	0.492	0.500	0.500	100.2	98.4	1.8	80-120	20		

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 7470A
6010B

Prep Method: 3010A
7470A

Batch QC Report

CAM 17 Metals

Matrix Spike (MS / MSD) **Water** **QC Batch # 1999/09/14-01.16**

Sample ID: **W-3-090999** Lab Sample ID: 1999-09-0143-001

MS: 1999/09/14-01.16-017 Extracted: 09/14/1999 07:27 Analyzed: 09/14/1999 10:28 Dilution: 1.0

MSD: 1999/09/14-01.16-018 Extracted: 09/14/1999 07:27 Analyzed: 09/14/1999 10:30 Dilution: 1.0

Compound	Conc [mg/L]			Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Mercury	0.0174	0.0180	ND	0.0200	0.0200	87.0	90.0	3.4	85-115	20		

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0143

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 7470A
6010B

Prep Method: 3010A
7470A

Batch QC Report

CAM 17 Metals

Matrix Spike (MS / MSD) **Water** **QC Batch # 1999/09/14-01.15**

Sample ID: **W-3-090999** Lab Sample ID: 1999-09-0143-001

MS: 1999/09/14-01.15-019 Extracted: 09/14/1999 07:24 Analyzed: 09/14/1999 11:14 Dilution: 1.0

MSD: 1999/09/14-01.15-020 Extracted: 09/14/1999 07:24 Analyzed: 09/14/1999 11:18 Dilution: 1.0

Compound	Conc [mg/L]			Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Antimony	0.503	0.491	ND	0.500	0.500	100.6	98.2	2.4	75-125	20		
Arsenic	0.504	0.494	0.00500	0.500	0.500	99.8	97.8	2.0	75-125	20		
Barium	0.597	0.583	0.0825	0.500	0.500	102.9	100.1	2.8	75-125	20		
Beryllium	0.507	0.495	ND	0.500	0.500	101.4	99.0	2.4	75-125	20		
Cadmium	0.504	0.493	ND	0.500	0.500	100.8	98.6	2.2	75-125	20		
Chromium	0.515	0.504	0.0340	0.500	0.500	96.2	94.0	2.3	75-125	20		
Cobalt	0.498	0.488	ND	0.500	0.500	99.6	97.6	2.0	75-125	20		
Copper	0.510	0.501	0.00990	0.500	0.500	100.0	98.2	1.8	75-125	20		
Lead	0.492	0.485	0.00983	0.500	0.500	96.4	95.0	1.5	75-125	20		
Molybdenum	0.511	0.501	ND	0.500	0.500	102.2	100.2	2.0	75-125	20		
Nickel	0.505	0.497	0.0117	0.500	0.500	98.7	97.1	1.6	75-125	20		
Selenium	0.493	0.483	0.00592	0.500	0.500	97.4	95.4	2.1	75-125	20		
Silver	0.499	0.488	ND	0.500	0.500	99.8	97.6	2.2	75-125	20		
Thallium	0.501	0.491	ND	0.500	0.500	100.2	98.2	2.0	75-125	20		
Vanadium	0.508	0.497	0.00631	0.500	0.500	100.3	98.1	2.2	75-125	20		
Zinc	0.541	0.535	0.0526	0.500	0.500	97.7	96.5	1.2	75-125	20		

Diesel

URS Greiner Woodward Clyde- Oakland

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn: Jay Clare

Phone: (510) 874-3027 Fax: (510) 874-3268

Project #: 510996706001

Project: Shorenstien Parcel Til

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
W-3-090999	Water	09/09/1999 11:00	1
W-2-090999	Water	09/09/1999 13:15	2
W-1-090999	Water	09/09/1999 14:30	3
W-1-090999-02	Water	09/09/1999 14:35	4

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 8015m
Prep Method: 3510/8015M

Diesel

Sample ID:	**W-3-090999**	Lab Sample ID:	**1999-09-0143-001**
Project:	510996706001 Shorenstien Parcel Til	Received:	09/09/1999 17:06
		Extracted:	09/14/1999 09:00
Sampled:	09/09/1999 11:00	QC-Batch:	1999/09/14-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	09/15/1999 15:44	
Surrogate(s)						
o-Terphenyl	80.1	60-130	%	1.00	09/15/1999 15:44	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 8015m
Prep Method: 3510/8015M

Diesel

Sample ID:	**W-2-090999**	Lab Sample ID:	**1999-09-0143-002**
Project:	510996706001 Shorenstien Parcel Til	Received:	09/09/1999 17:06
		Extracted:	09/14/1999 09:00
Sampled:	09/09/1999 13:15	QC-Batch:	1999/09/14-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	09/15/1999 14:57	
Surrogate(s)						
o-Terphenyl	74.4	60-130	%	1.00	09/15/1999 14:57	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0143

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 8015m
Prep Method: 3510/8015M

Diesel

Sample ID:	**W-1-090999**	Lab Sample ID:	**1999-09-0143-003**
Project:	510996706001 Shorenstien Parcel Til	Received:	09/09/1999 17:06
		Extracted:	09/14/1999 09:00
Sampled:	09/09/1999 14:30	QC-Batch:	1999/09/14-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	09/15/1999 16:31	
Surrogate(s)						
o-Terphenyl	82.9	60-130	%	1.00	09/15/1999 16:31	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0143

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 8015m
Prep Method: 3510/8015M

Diesel

Sample ID:	**W-1-090999-02**	Lab Sample ID:	**1999-09-0143-004**
Project:	510996706001 Shorenstien Parcel Til	Received:	09/09/1999 17:06
		Extracted:	09/14/1999 09:00
Sampled:	09/09/1999 14:35	QC-Batch:	1999/09/14-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	09/15/1999 17:18	
Surrogate(s)						
o-Terphenyl	74.9	60-130	%	1.00	09/15/1999 17:18	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 8015m
Prep Method: 3510/8015M

Batch QC Report
Diesel

Method Blank **Water** **QC Batch # 1999/09/14-02.10**

MB: 1999/09/14-02.10-001 Date Extracted: 09/14/1999 09:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	09/14/1999 21:13	
Surrogate(s)					
o-Terphenyl	89.5	60-130	%	09/14/1999 21:13	

To: **URS Greiner Woodward Clyde- Oakland**
Attn: Jay Clare

Test Method: 8015m
Prep Method: 3510/8015M

Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 1999/09/14-02.10**

LCS: 1999/09/14-02.10-002 Extracted: 09/14/1999 09:00 Analyzed: 09/15/1999 20:25
LCSD: 1999/09/14-02.10-003 Extracted: 09/14/1999 09:00 Analyzed: 09/15/1999 21:09

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	925	917	1250	1250	74.0	73.4	0.8	60-130	25		
Surrogate(s)											
o-Terphenyl	20.5	19.7	20.0	20.0	102.5	98.5		60-130			

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0143

Gas/BTEX

URS Greiner Woodward Clyde- Oakland	✉ 500 12th Street, Suite 200 Oakland, CA 94607-4014
Attn: Jay Clare	Phone: (510) 874-3027 Fax: (510) 874-3268
Project #: 510996706001	Project: Shorenstien Parcel Til

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
W-3-090999	Water	09/09/1999 11:00	1
W-2-090999	Water	09/09/1999 13:15	2
W-1-090999	Water	09/09/1999 14:30	3
W-1-090999-02	Water	09/09/1999 14:35	4

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0143

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 8015M
8020

Prep Method: 5030

Gas/BTEX

Sample ID:	**W-3-090999**	Lab Sample ID:	**1999-09-0143-001**
Project:	510996706001 Shorenstien Parcel Til	Received:	09/09/1999 17:06
		Extracted:	09/15/1999 20:00
Sampled:	09/09/1999 11:00	QC-Batch:	1999/09/15-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/15/1999 20:00	
Benzene	ND	0.50	ug/L	1.00	09/15/1999 20:00	
Toluene	ND	0.50	ug/L	1.00	09/15/1999 20:00	
Ethyl benzene	ND	0.50	ug/L	1.00	09/15/1999 20:00	
Xylene(s)	ND	0.50	ug/L	1.00	09/15/1999 20:00	
Surrogate(s)						
Trifluorotoluene	96.2	58-124	%	1.00	09/15/1999 20:00	
4-Bromofluorobenzene-FID	87.6	50-150	%	1.00	09/15/1999 20:00	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0143

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 8015M
8020

Prep Method: 5030

Gas/BTEX

Sample ID:	**W-2-090999**	Lab Sample ID:	**1999-09-0143-002**
Project:	510996706001 Shorenstien Parcel Til	Received:	09/09/1999 17:06
		Extracted:	09/15/1999 20:26
Sampled:	09/09/1999 13:15	QC-Batch:	1999/09/15-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/15/1999 20:26	
Benzene	ND	0.50	ug/L	1.00	09/15/1999 20:26	
Toluene	ND	0.50	ug/L	1.00	09/15/1999 20:26	
Ethyl benzene	ND	0.50	ug/L	1.00	09/15/1999 20:26	
Xylene(s)	ND	0.50	ug/L	1.00	09/15/1999 20:26	
Surrogate(s)						
Trifluorotoluene	102.1	58-124	%	1.00	09/15/1999 20:26	
4-Bromofluorobenzene-FID	95.5	50-150	%	1.00	09/15/1999 20:26	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0143

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 8015M
8020

Prep Method: 5030

Gas/BTEX

Sample ID:	**W-1-090999**	Lab Sample ID:	**1999-09-0143-003**
Project:	510996706001 Shorenstien Parcel Til	Received:	09/09/1999 17:06
		Extracted:	09/15/1999 18:40
Sampled:	09/09/1999 14:30	QC-Batch:	1999/09/15-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/15/1999 18:40	
Benzene	ND	0.50	ug/L	1.00	09/15/1999 18:40	
Toluene	ND	0.50	ug/L	1.00	09/15/1999 18:40	
Ethyl benzene	ND	0.50	ug/L	1.00	09/15/1999 18:40	
Xylene(s)	ND	0.50	ug/L	1.00	09/15/1999 18:40	
Surrogate(s)						
Trifluorotoluene	107.9	58-124	%	1.00	09/15/1999 18:40	
4-Bromofluorobenzene-FID	96.8	50-150	%	1.00	09/15/1999 18:40	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0143

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 8015M
8020

Prep Method: 5030

Gas/BTEX

Sample ID:	**W-1-090999-02**	Lab Sample ID:	**1999-09-0143-004**
Project:	510996706001 Shorenstien Parcel Til	Received:	09/09/1999 17:06
		Extracted:	09/15/1999 19:08
Sampled:	09/09/1999 14:35	QC-Batch:	1999/09/15-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/15/1999 19:08	
Benzene	ND	0.50	ug/L	1.00	09/15/1999 19:08	
Toluene	ND	0.50	ug/L	1.00	09/15/1999 19:08	
Ethyl benzene	ND	0.50	ug/L	1.00	09/15/1999 19:08	
Xylene(s)	ND	0.50	ug/L	1.00	09/15/1999 19:08	
Surrogate(s)						
Trifluorotoluene	115.4	58-124	%	1.00	09/15/1999 19:08	
4-Bromofluorobenzene-FID	98.7	50-150	%	1.00	09/15/1999 19:08	

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Water** | **QC Batch # 1999/09/15-01.02**

MB: 1999/09/15-01.02-001

Date Extracted: 09/15/1999 06:27

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	09/15/1999 06:27	
Benzene	ND	0.5	ug/L	09/15/1999 06:27	
Toluene	ND	0.5	ug/L	09/15/1999 06:27	
Ethyl benzene	ND	0.5	ug/L	09/15/1999 06:27	
Xylene(s)	ND	0.5	ug/L	09/15/1999 06:27	
Surrogate(s)					
4-Bromofluorobenzene-FID	98.8	50-150	%	09/15/1999 06:27	

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Water** | **QC Batch # 1999/09/15-01.01**

MB: 1999/09/15-01.01-001

Date Extracted: 09/15/1999 07:42

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	09/15/1999 07:42	
Benzene	ND	0.5	ug/L	09/15/1999 07:42	
Toluene	ND	0.5	ug/L	09/15/1999 07:42	
Ethyl benzene	ND	0.5	ug/L	09/15/1999 07:42	
Xylene(s)	ND	0.5	ug/L	09/15/1999 07:42	
Surrogate(s)					
Trifluorotoluene	88.8	58-124	%	09/15/1999 07:42	
4-Bromofluorobenzene-FID	75.4	50-150	%	09/15/1999 07:42	

To: **URS Greiner Woodward Clyde- Oakland**

Attn: Jay Clare

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 1999/09/15-01.02**

LCS: 1999/09/15-01.02-002 Extracted: 09/15/1999 06:54 Analyzed: 09/15/1999 06:54

LCSD: 1999/09/15-01.02-003 Extracted: 09/15/1999 07:21 Analyzed: 09/15/1999 07:21

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	404	383	500	500	80.8	76.6	5.3	75-125	20		
Benzene	109	96.8	100.0	100.0	109.0	96.8	11.9	77-123	20		
Toluene	108	97.7	100.0	100.0	108.0	97.7	10.0	78-122	20		
Ethyl benzene	102	95.6	100.0	100.0	102.0	95.6	6.5	70-130	20		
Xylene(s)	310	289	300	300	103.3	96.3	7.0	75-125	20		
Surrogate(s)											
Trifluorotoluene	491	415	500	500	98.2	83.0		58-124			
4-Bromofluorobenzene-FI	449	466	500	500	89.8	93.2		50-150			

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0143

To: **URS Greiner Woodward Clyde- Oakland**

Test Method: 8020
8015M

Attn: Jay Clare

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 1999/09/15-01.01**

LCS: 1999/09/15-01.01-002 Extracted: 09/15/1999 08:09 Analyzed: 09/15/1999 08:09

LCSD: 1999/09/15-01.01-003 Extracted: 09/15/1999 10:00 Analyzed: 09/15/1999 10:00

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	463	513	500	500	92.6	102.6	10.2	75-125	20		
Benzene	104	112	100.0	100.0	104.0	112.0	7.4	77-123	20		
Toluene	102	111	100.0	100.0	102.0	111.0	8.5	78-122	20		
Ethyl benzene	102	109	100.0	100.0	102.0	109.0	6.6	70-130	20		
Xylene(s)	302	323	300	300	100.7	107.7	6.7	75-125	20		
Surrogate(s)											
Trifluorotoluene	518	605	500	500	103.6	121.0		58-124			
4-Bromofluorobenzene-FI	460	500	500	500	92.0	100.0		50-150			

99-09-0143

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

1220 Quarry Lane • Pleasanton, California 94566-4756
(925) 484-1919 • Fax (925) 484-1096

Reference #: 47885

Chain of Custody

DATE 9/9/99 PAGE 1 OF 1

PROJ MGR Jay Clare
COMPANY URS Greiner Woodward Clyde
ADDRESS 500 12th St Suite 200
Oakland, CA 94607
SAMPLERS (SIGNATURE) (PHONE NO.) (FAX NO.)

ANALYSIS REPORT

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH-(EPA 8015,8020) X Gas w/ X BTEX ☐MTBE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) ☐ Diesel ☐ M.O. ☐ Other	PURGEABLE HALOCARBONS, (HVOCs) (EPA 8010)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	TOTAL OIL AND GREASE (SM 5520 B+F, E+F)		☐ PESTICIDES(EPA 8080) ☐ PCB'S (EPA 8080)	PNA's by ☐ 8270 ☐ 8310	☐ Spec. Cond. ☐ TSS ☐ TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	☐ W.E.T. (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24 hr hold time for H20)				NUMBER OF CONTAINERS
W-3-090999	9/9/99	1100	W	HCl/ø	X		X											X							6
W-2-090999	9/9/99	1315	W	HCl/ø	X		X											X							6
W-1-090999	9/9/99	1430	W	HCl/ø	X		X											X							6
W-1-090999-02	9/9/99	1435	W	HCl/ø	X		X											X							6

PROJECT INFORMATION

PROJECT NAME: Shorenstein Parcel T12
PROJECT NUMBER: 510996706001
P.O. #

TAT: STANDARD 5 DAY | 24 | 48 | 72 | OTHER

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS	24
HEAD SPACE	
TEMPERATURE	
CONFORMS TO RECORD	

SPECIAL INSTRUCTIONS/COMMENTS:
Report: ☐ Routine ☐ Level 2 ☐ Level 3 ☐ Level 4 ☐ Electronic Report
Filter in Lab

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3
(SIGNATURE) Craig Prunier 1340 (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) 1706 (TIME)
(PRINTED NAME) Craig Prunier (DATE) 9/9/99	(PRINTED NAME) (DATE)	(PRINTED NAME) B. Morin (DATE) 9-9-99
(COMPANY) URS Greiner Woodward Clyde	(COMPANY)	(COMPANY) Chromalab
RECEIVED BY 1	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3**
(SIGNATURE) 1605 (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) Denise Harrington (TIME)
(PRINTED NAME) B. Morin (DATE) 9-9-99	(PRINTED NAME) (DATE)	(PRINTED NAME) D. Harrington 1706 (DATE)
(COMPANY) Chromalab	(COMPANY)	(COMPANY) Chromalab 9/9/99

CAM W.E.T. (STLC) Lead

URS Greiner Woodward Clyde- Oakland

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn: Jay Clare

Phone: (510) 874-3027 Fax: (510) 874-3268

Project #: 510996706001

Project: Shorenstein Parcel TI2

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
G2-01	Soil	09/10/1999 09:00	1
G1-01-FILL	Soil	09/10/1999 09:30	2
G1-02-NATIVE	Soil	09/10/1999 09:35	3
G3-01	Soil	09/10/1999 09:35	4
G4-01	Soil	09/10/1999 09:35	5
G5-01	Soil	09/10/1999 09:35	6
G6-01-FILL	Soil	09/10/1999 09:35	7
G6-02-NATIVE	Soil	09/10/1999 09:35	8
G7-01	Soil	09/10/1999 09:35	9

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 6010B

Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G2-01**	Lab Sample ID:	**1999-09-0176-001**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:38
Sampled:	09/10/1999 09:00	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	1.1	1.0	mg/L	1.00	09/16/1999 10:22	

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 6010B

Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G1-01-FILL**	Lab Sample ID:	**1999-09-0176-002**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:38
Sampled:	09/10/1999 09:30	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	1.8	1.0	mg/L	1.00	09/16/1999 10:26	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G1-02-NATIVE**	Lab Sample ID:	**1999-09-0176-003**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	01/01/1900
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/19-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/L	1.00	09/16/1999 10:30	

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 6010B

Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G3-01**	Lab Sample ID:	**1999-09-0176-004**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:38
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	1.0	1.0	mg/L	1.00	09/16/1999 10:49	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0176

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G4-01**	Lab Sample ID:	**1999-09-0176-005**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:38
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	2.9	1.0	mg/L	1.00	09/16/1999 10:53	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0176

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G5-01**	Lab Sample ID:	**1999-09-0176-006**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:38
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	9.7	1.0	mg/L	1.00	09/16/1999 10:56	

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 6010B

Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G6-01-FILL**	Lab Sample ID:	**1999-09-0176-007**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:38
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	3.7	1.0	mg/L	1.00	09/16/1999 11:00	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G6-02-NATIVE**	Lab Sample ID:	**1999-09-0176-008**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	01/01/1900
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/L	1.00	09/16/1999 11:04	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0176

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G7-01**	Lab Sample ID:	**1999-09-0176-009**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:38
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	25	1.0	mg/L	1.00	09/16/1999 11:08	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

Batch QC Report
CAM W.E.T. (STLC) Lead

Method Blank | **Soil** | **QC Batch # 1999/09/16-01.15**

MB: 1999/09/16-01.15-014

Date Extracted: 09/16/1999 07:38

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	0.50	mg/L	09/16/1999 09:54	

To: **URS Greiner Woodward Clyde- Oakland**

Attn: Jay Clare

Test Method: 6010B

Prep Method: 3005A

Batch QC Report

CAM W.E.T. (STLC) Lead

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 1999/09/16-01.15**

LCS: 1999/09/16-01.15-015 Extracted: 09/16/1999 07:38 Analyzed: 09/16/1999 09:58

LCSD: 1999/09/16-01.15-016 Extracted: 09/16/1999 07:38 Analyzed: 09/16/1999 10:02

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Lead	4.63	4.56	5.00	5.00	92.6	91.2	1.5	80-120	20		

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 6010B

Prep Method: 3005A

Batch QC Report

CAM W.E.T. (STLC) Lead

Matrix Spike (MS / MSD) **Soil** **QC Batch # 1999/09/16-01.15**

Sample ID: **P-99-408** Lab Sample ID: 1999-09-0155-002

MS: 1999/09/16-01.15-019 Extracted: 09/16/1999 07:38 Analyzed: 09/16/1999 10:14 Dilution: 1.0

MSD: 1999/09/16-01.15-020 Extracted: 09/16/1999 07:38 Analyzed: 09/16/1999 10:18 Dilution: 1.0

Compound	Conc [mg/L]			Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Lead	7.86	7.93	3.24	5.00	5.00	92.4	93.8	1.5	75-125	20		

Total Lead

URS Greiner Woodward Clyde- Oakland

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn: Jay Clare

Phone: (510) 874-3027 Fax: (510) 874-3268

Project #: 510996706001

Project: Shorenstein Parcel TI2

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
G2-01	Soil	09/10/1999 09:00	1
G1-01-FILL	Soil	09/10/1999 09:30	2
G3-01	Soil	09/10/1999 09:35	4
G4-01	Soil	09/10/1999 09:35	5
G5-01	Soil	09/10/1999 09:35	6
G6-01-FILL	Soil	09/10/1999 09:35	7
G7-01	Soil	09/10/1999 09:35	9

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3050B

Total Lead

Sample ID:	**G2-01**	Lab Sample ID:	**1999-09-0176-001**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 11:03
Sampled:	09/10/1999 09:00	QC-Batch:	1999/09/16-03.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	9.5	5.0	mg/Kg	1.00	09/16/1999 16:45	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3050B

Total Lead

Sample ID:	**G1-01-FILL**	Lab Sample ID:	**1999-09-0176-002**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 11:03
Sampled:	09/10/1999 09:30	QC-Batch:	1999/09/16-03.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	31	5.0	mg/Kg	1.00	09/16/1999 16:48	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3050B

Total Lead

Sample ID:	**G3-01**	Lab Sample ID:	**1999-09-0176-004**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 11:03
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-03.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	30	5.0	mg/Kg	1.00	09/16/1999 17:08	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3050B

Total Lead

Sample ID:	**G4-01**	Lab Sample ID:	**1999-09-0176-005**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 11:03
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-03.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	110	5.0	mg/Kg	1.00	09/16/1999 17:11	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0176

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3050B

Total Lead

Sample ID:	**G5-01**	Lab Sample ID:	**1999-09-0176-006**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 11:03
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-03.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	120	5.0	mg/Kg	1.00	09/16/1999 17:14	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3050B

Total Lead

Sample ID:	**G6-01-FILL**	Lab Sample ID:	**1999-09-0176-007**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 11:03
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-03.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	84	5.0	mg/Kg	1.00	09/16/1999 17:17	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3050B

Total Lead

Sample ID:	**G7-01**	Lab Sample ID:	**1999-09-0176-009**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 11:03
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-03.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	320	5.0	mg/Kg	1.00	09/16/1999 17:21	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3050B

Batch QC Report
Total Lead

Method Blank | **Soil** | **QC Batch # 1999/09/16-03.15**

MB: 1999/09/16-03.15-010

Date Extracted: 09/16/1999 11:03

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	1.0	mg/Kg	09/16/1999 16:24	

To: **URS Greiner Woodward Clyde- Oakland**
Attn: Jay Clare

Test Method: 6010B
Prep Method: 3050B

Batch QC Report

Total Lead

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 1999/09/16-03.15**

LCS: 1999/09/16-03.15-011 Extracted: 09/16/1999 11:03 Analyzed: 09/16/1999 16:28
LCSD: 1999/09/16-03.15-012 Extracted: 09/16/1999 11:03 Analyzed: 09/16/1999 16:32

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Lead	95.5	92.4	100.0	100.0	95.5	92.4	3.3	80-120	20		

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0176

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 6010B

Prep Method: 3050B

Batch QC Report

Total Lead

Matrix Spike (MS / MSD) **Soil** **QC Batch # 1999/09/16-03.15**

Sample ID: **SR2-J2** Lab Sample ID: 1999-09-0191-009

MS: 1999/09/16-03.15-036 Extracted: 09/16/1999 11:03 Analyzed: 09/16/1999 18:11 Dilution: 1.0

MSD: 1999/09/16-03.15-037 Extracted: 09/16/1999 11:03 Analyzed: 09/16/1999 18:15 Dilution: 1.0

Compound	Conc [mg/Kg]			Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Lead	77.2	74.1	3.84	100.0	100.0	73.4	70.3	4.3	75-125	20	mso	mso

TCLP Lead

URS Greiner Woodward Clyde- Oakland

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn: Jay Clare

Phone: (510) 874-3027 Fax: (510) 874-3268

Project #: 510996706001

Project: Shorenstein Parcel TI2

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
G2-01	Soil	09/10/1999 09:00	1
G1-01-FILL	Soil	09/10/1999 09:30	2
G1-02-NATIVE	Soil	09/10/1999 09:35	3
G3-01	Soil	09/10/1999 09:35	4
G4-01	Soil	09/10/1999 09:35	5
G5-01	Soil	09/10/1999 09:35	6
G6-01-FILL	Soil	09/10/1999 09:35	7
G6-02-NATIVE	Soil	09/10/1999 09:35	8
G7-01	Soil	09/10/1999 09:35	9

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3010A

TCLP Lead

Sample ID:	**G2-01**	Lab Sample ID:	**1999-09-0176-001**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/15/1999 07:47
Sampled:	09/10/1999 09:00	QC-Batch:	1999/09/15-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/L	1.00	09/15/1999 11:20	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0176

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3010A

TCLP Lead

Sample ID:	**G1-01-FILL**	Lab Sample ID:	**1999-09-0176-002**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/15/1999 07:47
Sampled:	09/10/1999 09:30	QC-Batch:	1999/09/15-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/L	1.00	09/15/1999 11:24	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3010A

TCLP Lead

Sample ID:	**G1-02-NATIVE**	Lab Sample ID:	**1999-09-0176-003**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/15/1999 07:47
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/15-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/L	1.00	09/15/1999 11:28	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3010A

TCLP Lead

Sample ID:	**G3-01**	Lab Sample ID:	**1999-09-0176-004**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/15/1999 07:47
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/15-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/L	1.00	09/15/1999 11:32	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3010A

TCLP Lead

Sample ID:	**G4-01**	Lab Sample ID:	**1999-09-0176-005**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/15/1999 07:47
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/15-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/L	1.00	09/15/1999 11:35	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3010A

TCLP Lead

Sample ID:	**G5-01**	Lab Sample ID:	**1999-09-0176-006**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/15/1999 07:47
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/15-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/L	1.00	09/15/1999 11:39	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3010A

TCLP Lead

Sample ID:	**G6-01-FILL**	Lab Sample ID:	**1999-09-0176-007**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/15/1999 07:47
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/15-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/L	1.00	09/15/1999 11:43	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3010A

TCLP Lead

Sample ID:	**G6-02-NATIVE**	Lab Sample ID:	**1999-09-0176-008**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/15/1999 07:47
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/15-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/L	1.00	09/15/1999 11:46	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3010A

TCLP Lead

Sample ID:	**G7-01**	Lab Sample ID:	**1999-09-0176-009**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/15/1999 07:47
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/15-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/L	1.00	09/15/1999 11:50	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3010A

Batch QC Report
TCLP Lead

Method Blank | **Soil** | **QC Batch # 1999/09/15-01.15**

MB: 1999/09/15-01.15-015

Date Extracted: 09/15/1999 07:47

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	0.50	mg/L	09/15/1999 10:26	

To: **URS Greiner Woodward Clyde- Oakland**
Attn: Jay Clare

Test Method: 6010B
Prep Method: 3010A

Batch QC Report

TCLP Lead

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 1999/09/15-01.15**

LCS: 1999/09/15-01.15-016 Extracted: 09/15/1999 07:47 Analyzed: 09/15/1999 10:30
LCSD: 1999/09/15-01.15-017 Extracted: 09/15/1999 07:47 Analyzed: 09/15/1999 10:34

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Lead	4.86	4.76	5.00	5.00	97.2	95.2	2.1	80-120	20		

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3010A

Batch QC Report

TCLP Lead

Matrix Spike (MS / MSD) **Soil** **QC Batch # 1999/09/15-01.15**

Sample ID: **C&M S-1** Lab Sample ID: 1999-09-0099-001

MS: 1999/09/15-01.15-019 Extracted: 09/15/1999 07:47 Analyzed: 09/15/1999 10:42 Dilution: 1.0

MSD: 1999/09/15-01.15-020 Extracted: 09/15/1999 07:47 Analyzed: 09/15/1999 10:46 Dilution: 1.0

Compound	Conc [mg/L]			Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Lead	5.49	5.59	0.947	5.00	5.00	90.9	92.9	2.2	75-125	20		

Total Oil & Grease

URS Greiner Woodward Clyde- Oakland

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn: Jay Clare

Phone: (510) 874-3027 Fax: (510) 874-3268

Project #: 510996706001

Project: Shorenstein Parcel TI2

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
G2-01	Soil	09/10/1999 09:00	1
G1-01-FILL	Soil	09/10/1999 09:30	2
G1-02-NATIVE	Soil	09/10/1999 09:35	3
G3-01	Soil	09/10/1999 09:35	4
G4-01	Soil	09/10/1999 09:35	5
G5-01	Soil	09/10/1999 09:35	6
G6-01-FILL	Soil	09/10/1999 09:35	7
G6-02-NATIVE	Soil	09/10/1999 09:35	8
G7-01	Soil	09/10/1999 09:35	9

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 5520 E
Prep Method: 5520 E

Total Oil & Grease

Sample ID:	**G2-01**	Lab Sample ID:	**1999-09-0176-001**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/14/1999
Sampled:	09/10/1999 09:00	QC-Batch:	1999/09/14-01.23
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Oil & Grease (total)	330	50	mg/Kg	1.00	09/15/1999	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0176

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 5520 E
Prep Method: 5520 E

Total Oil & Grease

Sample ID:	**G1-01-FILL**	Lab Sample ID:	**1999-09-0176-002**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/14/1999
Sampled:	09/10/1999 09:30	QC-Batch:	1999/09/14-01.23
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Oil & Grease (total)	180	50	mg/Kg	1.00	09/15/1999	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 5520 E
Prep Method: 5520 E

Total Oil & Grease

Sample ID:	**G1-02-NATIVE**	Lab Sample ID:	**1999-09-0176-003**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/14/1999
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/14-01.23
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Oil & Grease (total)	430	50	mg/Kg	1.00	09/15/1999	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 5520 E
Prep Method: 5520 E

Total Oil & Grease

Sample ID:	**G3-01**	Lab Sample ID:	**1999-09-0176-004**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/14/1999
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/14-01.23
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Oil & Grease (total)	2700	50	mg/Kg	1.00	09/15/1999	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 5520 E
Prep Method: 5520 E

Total Oil & Grease

Sample ID:	**G4-01**	Lab Sample ID:	**1999-09-0176-005**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/14/1999
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/14-01.23
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Oil & Grease (total)	2000	50	mg/Kg	1.00	09/15/1999	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 5520 E
Prep Method: 5520 E

Total Oil & Grease

Sample ID:	**G5-01**	Lab Sample ID:	**1999-09-0176-006**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/14/1999
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/14-01.23
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Oil & Grease (total)	4600	50	mg/Kg	1.00	09/15/1999	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 5520 E
Prep Method: 5520 E

Total Oil & Grease

Sample ID:	**G6-01-FILL**	Lab Sample ID:	**1999-09-0176-007**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/14/1999
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/14-01.23
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Oil & Grease (total)	3000	50	mg/Kg	1.00	09/15/1999	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 5520 E
Prep Method: 5520 E

Total Oil & Grease

Sample ID:	**G6-02-NATIVE**	Lab Sample ID:	**1999-09-0176-008**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/14/1999
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/14-01.23
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	09/15/1999	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 5520 E
Prep Method: 5520 E

Total Oil & Grease

Sample ID:	**G7-01**	Lab Sample ID:	**1999-09-0176-009**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/14/1999
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/14-01.23
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Oil & Grease (total)	1300	50	mg/Kg	1.00	09/15/1999	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 5520 E
Prep Method: 5520 E

Batch QC Report
Total Oil & Grease

Method Blank | **Soil** | **QC Batch # 1999/09/14-01.23**

MB: 1999/09/14-01.23-001 | Date Extracted: 09/14/1999

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	09/15/1999	

To: **URS Greiner Woodward Clyde- Oakland**
Attn: Jay Clare

Test Method: 5520 E
Prep Method: 5520 E

Batch QC Report

Total Oil & Grease

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 1999/09/14-01.23**

LCS: 1999/09/14-01.23-002 Extracted: 09/14/1999 Analyzed: 09/15/1999
LCSD: 1999/09/14-01.23-003 Extracted: 09/14/1999 Analyzed: 09/15/1999

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Oil & Grease (total)	410	444	400	400	102.5	111.0	8.0	80-120	20		

CAM 17 Metals

URS Greiner Woodward Clyde- Oakland

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn: Jay Clare

Phone: (510) 874-3027 Fax: (510) 874-3268

Project #: 510996706001

Project: Shorenstein Parcel TI2

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
G1-02-NATIVE	Soil	09/10/1999 09:35	3
G6-02-NATIVE	Soil	09/10/1999 09:35	8

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 6010B
7471A

Prep Method: 7471A
3050B

CAM 17 Metals

Sample ID:	**G1-02-NATIVE**	Lab Sample ID:	**1999-09-0176-003**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:48
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-02.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	09/16/1999 11:50	
Arsenic	1.2	1.0	mg/Kg	1.00	09/16/1999 11:50	
Barium	32	1.0	mg/Kg	1.00	09/16/1999 11:50	
Beryllium	ND	0.50	mg/Kg	1.00	09/16/1999 11:50	
Cadmium	ND	0.50	mg/Kg	1.00	09/16/1999 11:50	
Chromium	35	1.0	mg/Kg	1.00	09/16/1999 11:50	
Cobalt	2.7	1.0	mg/Kg	1.00	09/16/1999 11:50	
Copper	6.3	1.0	mg/Kg	1.00	09/16/1999 11:50	
Lead	2.5	1.0	mg/Kg	1.00	09/16/1999 11:50	
Molybdenum	ND	1.0	mg/Kg	1.00	09/16/1999 11:50	
Nickel	23	1.0	mg/Kg	1.00	09/16/1999 11:50	
Selenium	ND	2.0	mg/Kg	1.00	09/16/1999 11:50	
Silver	ND	1.0	mg/Kg	1.00	09/16/1999 11:50	
Thallium	ND	1.0	mg/Kg	1.00	09/16/1999 11:50	
Vanadium	22	1.0	mg/Kg	1.00	09/16/1999 11:50	
Zinc	18	1.0	mg/Kg	1.00	09/16/1999 11:50	
Mercury	ND	0.050	mg/Kg	1.00	09/16/1999 11:50	

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 6010B
7471A

Prep Method: 7471A
3050B

CAM 17 Metals

Sample ID:	**G6-02-NATIVE**	Lab Sample ID:	**1999-09-0176-008**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:48
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-02.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	09/16/1999 11:53	
Arsenic	1.2	1.0	mg/Kg	1.00	09/16/1999 11:53	
Barium	37	1.0	mg/Kg	1.00	09/16/1999 11:53	
Beryllium	ND	0.50	mg/Kg	1.00	09/16/1999 11:53	
Cadmium	ND	0.50	mg/Kg	1.00	09/16/1999 11:53	
Chromium	26	1.0	mg/Kg	1.00	09/16/1999 11:53	
Cobalt	4.4	1.0	mg/Kg	1.00	09/16/1999 11:53	
Copper	8.1	1.0	mg/Kg	1.00	09/16/1999 11:53	
Lead	3.2	1.0	mg/Kg	1.00	09/16/1999 11:53	
Molybdenum	ND	1.0	mg/Kg	1.00	09/16/1999 11:53	
Nickel	26	1.0	mg/Kg	1.00	09/16/1999 11:53	
Selenium	ND	2.0	mg/Kg	1.00	09/16/1999 11:53	
Silver	ND	1.0	mg/Kg	1.00	09/16/1999 11:53	
Thallium	ND	1.0	mg/Kg	1.00	09/16/1999 11:53	
Vanadium	21	1.0	mg/Kg	1.00	09/16/1999 11:53	
Zinc	21	1.0	mg/Kg	1.00	09/16/1999 11:53	
Mercury	ND	0.050	mg/Kg	1.00	09/16/1999 11:53	

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 7471A
6010B

Prep Method: 3050B
7471A

Batch QC Report
CAM 17 Metals

Method Blank **Soil** **QC Batch # 1999/09/16-02.16**

MB: 1999/09/16-02.16-024 Date Extracted: 09/16/1999 07:51

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	09/16/1999 13:25	

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 7471A
6010B

Prep Method: 3050B
7471A

Batch QC Report
CAM 17 Metals

Method Blank | **Soil** | **QC Batch # 1999/09/16-02.15**

MB: 1999/09/16-02.15-032

Date Extracted: 09/16/1999 07:48

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	09/16/1999 11:19	
Arsenic	ND	1.0	mg/Kg	09/16/1999 11:19	
Barium	ND	1.0	mg/Kg	09/16/1999 11:19	
Beryllium	ND	0.50	mg/Kg	09/16/1999 11:19	
Cadmium	ND	0.50	mg/Kg	09/16/1999 11:19	
Chromium	ND	1.0	mg/Kg	09/16/1999 11:19	
Cobalt	ND	1.0	mg/Kg	09/16/1999 11:19	
Copper	ND	1.0	mg/Kg	09/16/1999 11:19	
Lead	ND	1.0	mg/Kg	09/16/1999 11:19	
Molybdenum	ND	1.0	mg/Kg	09/16/1999 11:19	
Nickel	ND	1.0	mg/Kg	09/16/1999 11:19	
Selenium	ND	2.0	mg/Kg	09/16/1999 11:19	
Silver	ND	1.0	mg/Kg	09/16/1999 11:19	
Thallium	ND	1.0	mg/Kg	09/16/1999 11:19	
Vanadium	ND	1.0	mg/Kg	09/16/1999 11:19	
Zinc	ND	1.0	mg/Kg	09/16/1999 11:19	

To: **URS Greiner Woodward Clyde- Oakland**

Attn: Jay Clare

Test Method: 7471A
6010B

Prep Method: 3050B
7471A

Batch QC Report

CAM 17 Metals

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 1999/09/16-02.16**

LCS: 1999/09/16-02.16-025 Extracted: 09/16/1999 07:51 Analyzed: 09/16/1999 13:26

LCSD: 1999/09/16-02.16-026 Extracted: 09/16/1999 07:51 Analyzed: 09/16/1999 13:27

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Mercury	0.478	0.479	0.500	0.500	95.6	95.8	0.2	85-115	20		

To: **URS Greiner Woodward Clyde- Oakland**

Attn: Jay Clare

Test Method: 7471A
6010B

Prep Method: 3050B
7471A

Batch QC Report

CAM 17 Metals

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 1999/09/16-02.15**

LCS: 1999/09/16-02.15-033 Extracted: 09/16/1999 07:48 Analyzed: 09/16/1999 11:23

LCSD: 1999/09/16-02.15-034 Extracted: 09/16/1999 07:48 Analyzed: 09/16/1999 11:28

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Antimony	98.7	96.2	100.0	100.0	98.7	96.2	2.6	80-120	20		
Arsenic	95.0	93.1	100.0	100.0	95.0	93.1	2.0	80-120	20		
Barium	92.7	91.1	100.0	100.0	92.7	91.1	1.7	80-120	20		
Beryllium	96.6	94.6	100.0	100.0	96.6	94.6	2.1	80-120	20		
Cadmium	92.0	90.8	100.0	100.0	92.0	90.8	1.3	80-120	20		
Chromium	86.1	85.1	100.0	100.0	86.1	85.1	1.2	80-120	20		
Cobalt	92.8	91.5	100.0	100.0	92.8	91.5	1.4	80-120	20		
Copper	95.3	93.7	100.0	100.0	95.3	93.7	1.7	80-120	20		
Lead	92.3	90.5	100.0	100.0	92.3	90.5	2.0	80-120	20		
Molybdenum	94.1	92.5	100.0	100.0	94.1	92.5	1.7	80-120	20		
Nickel	93.7	92.1	100.0	100.0	93.7	92.1	1.7	80-120	20		
Selenium	94.2	92.5	100.0	100.0	94.2	92.5	1.8	80-120	20		
Silver	90.5	89.4	100.0	100.0	90.5	89.4	1.2	80-120	20		
Thallium	85.7	84.5	100.0	100.0	85.7	84.5	1.4	80-120	20		
Vanadium	93.1	91.6	100.0	100.0	93.1	91.6	1.6	80-120	20		
Zinc	99.1	96.7	100.0	100.0	99.1	96.7	2.5	80-120	20		

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 7471A
6010B

Prep Method: 3050B
7471A

Batch QC Report

CAM 17 Metals

Matrix Spike (MS / MSD) **Soil** **QC Batch # 1999/09/16-02.16**

Sample ID: **G6-02-NATIVE** Lab Sample ID: 1999-09-0176-008

MS: 1999/09/16-02.16-030 Extracted: 09/16/1999 07:51 Analyzed: 09/16/1999 13:32 Dilution: 1.0

MSD: 1999/09/16-02.16-031 Extracted: 09/16/1999 07:51 Analyzed: 09/16/1999 13:33 Dilution: 1.0

Compound	Conc [mg/Kg]			Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Mercury	0.490	0.486	ND	0.500	0.500	98.0	97.2	0.8	85-115	20		

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0176

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 7471A
6010B

Prep Method: 3050B
7471A

Batch QC Report

CAM 17 Metals

Matrix Spike (MS / MSD) **Soil** **QC Batch # 1999/09/16-02.15**

Sample ID: **G6-02-NATIVE** Lab Sample ID: 1999-09-0176-008

MS: 1999/09/16-02.15-040 Extracted: 09/16/1999 07:48 Analyzed: 09/16/1999 11:57 Dilution: 1.0

MSD: 1999/09/16-02.15-041 Extracted: 09/16/1999 07:48 Analyzed: 09/16/1999 12:00 Dilution: 1.0

Compound	Conc [mg/Kg]			Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Antimony	70.0	69.7	ND	100.0	100.0	70.0	69.7	0.4	75-125	20	mso	mso
Arsenic	84.4	82.9	1.21	100.0	100.0	83.2	81.7	1.8	75-125	20		
Barium	115	114	37.1	100.0	100.0	77.9	76.9	1.3	75-125	20		
Beryllium	83.2	80.8	ND	100.0	100.0	83.2	80.8	2.9	75-125	20		
Cadmium	80.8	78.7	ND	100.0	100.0	80.8	78.7	2.6	75-125	20		
Chromium	102	100	26.0	100.0	100.0	76.0	74.0	2.7	75-125	20		mso
Cobalt	85.0	83.1	4.36	100.0	100.0	80.6	78.7	2.4	75-125	20		
Copper	92.8	88.2	8.10	100.0	100.0	84.7	80.1	5.6	75-125	20		
Lead	81.9	80.1	3.20	100.0	100.0	78.7	76.9	2.3	75-125	20		
Molybdenum	80.8	79.1	ND	100.0	100.0	80.8	79.1	2.1	75-125	20		
Nickel	106	104	26.0	100.0	100.0	80.0	78.0	2.5	75-125	20		
Selenium	80.9	79.0	ND	100.0	100.0	80.9	79.0	2.4	75-125	20		
Silver	82.1	80.1	ND	100.0	100.0	82.1	80.1	2.5	75-125	20		
Thallium	74.4	73.0	ND	100.0	100.0	74.4	73.0	1.9	75-125	20	mso	mso
Vanadium	101	99.7	21.4	100.0	100.0	79.6	78.3	1.6	75-125	20		
Zinc	102	99.2	20.9	100.0	100.0	81.1	78.3	3.5	75-125	20		

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0176

CAM W.E.T. (STLC) Lead

URS Greiner Woodward Clyde- Oakland

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn: Jay Clare

Phone: (510) 874-3027 Fax: (510) 874-3268

Project #: 510996706001

Project: Shorenstein Parcel TI2

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
G2-01	Soil	09/10/1999 09:00	1
G1-01-FILL	Soil	09/10/1999 09:30	2
G1-02-NATIVE	Soil	09/10/1999 09:35	3
G3-01	Soil	09/10/1999 09:35	4
G4-01	Soil	09/10/1999 09:35	5
G5-01	Soil	09/10/1999 09:35	6
G6-01-FILL	Soil	09/10/1999 09:35	7
G6-02-NATIVE	Soil	09/10/1999 09:35	8
G7-01	Soil	09/10/1999 09:35	9

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G2-01**	Lab Sample ID:	**1999-09-0176-001**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:38
Sampled:	09/10/1999 09:00	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	1.1	1.0	mg/L	1.00	09/16/1999 10:22	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0176

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G1-01-FILL**	Lab Sample ID:	**1999-09-0176-002**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:38
Sampled:	09/10/1999 09:30	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	1.8	1.0	mg/L	1.00	09/16/1999 10:26	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G1-02-NATIVE**	Lab Sample ID:	**1999-09-0176-003**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	01/01/1900
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/19-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/L	1.00	09/16/1999 10:30	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G3-01**	Lab Sample ID:	**1999-09-0176-004**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:38
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	1.0	1.0	mg/L	1.00	09/16/1999 10:49	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G4-01**	Lab Sample ID:	**1999-09-0176-005**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:38
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	2.9	1.0	mg/L	1.00	09/16/1999 10:53	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G5-01**	Lab Sample ID:	**1999-09-0176-006**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:38
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	9.7	1.0	mg/L	1.00	09/16/1999 10:56	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G6-01-FILL**	Lab Sample ID:	**1999-09-0176-007**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:38
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	3.7	1.0	mg/L	1.00	09/16/1999 11:00	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G6-02-NATIVE**	Lab Sample ID:	**1999-09-0176-008**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	01/01/1900
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/L	1.00	09/16/1999 11:04	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**G7-01**	Lab Sample ID:	**1999-09-0176-009**
Project:	510996706001 Shorenstein Parcel TI2	Received:	09/10/1999 17:50
		Extracted:	09/16/1999 07:38
Sampled:	09/10/1999 09:35	QC-Batch:	1999/09/16-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	25	1.0	mg/L	1.00	09/16/1999 11:08	

To: **URS Greiner Woodward Clyde- Oakland**
Attn.: Jay Clare

Test Method: 6010B
Prep Method: 3005A

Batch QC Report
CAM W.E.T. (STLC) Lead

Method Blank | **Soil** | **QC Batch # 1999/09/16-01.15**

MB: 1999/09/16-01.15-014

Date Extracted: 09/16/1999 07:38

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	0.50	mg/L	09/16/1999 09:54	

To: **URS Greiner Woodward Clyde- Oakland**
Attn: Jay Clare

Test Method: 6010B
Prep Method: 3005A

Batch QC Report

CAM W.E.T. (STLC) Lead

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 1999/09/16-01.15**

LCS: 1999/09/16-01.15-015 Extracted: 09/16/1999 07:38 Analyzed: 09/16/1999 09:58
LCSD: 1999/09/16-01.15-016 Extracted: 09/16/1999 07:38 Analyzed: 09/16/1999 10:02

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Lead	4.63	4.56	5.00	5.00	92.6	91.2	1.5	80-120	20		

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-09-0176

To: **URS Greiner Woodward Clyde- Oakland**

Attn.: Jay Clare

Test Method: 6010B

Prep Method: 3005A

Batch QC Report

CAM W.E.T. (STLC) Lead

Matrix Spike (MS / MSD) **Soil** **QC Batch # 1999/09/16-01.15**

Sample ID: **P-99-408** Lab Sample ID: 1999-09-0155-002

MS: 1999/09/16-01.15-019 Extracted: 09/16/1999 07:38 Analyzed: 09/16/1999 10:14 Dilution: 1.0

MSD: 1999/09/16-01.15-020 Extracted: 09/16/1999 07:38 Analyzed: 09/16/1999 10:18 Dilution: 1.0

Compound	Conc [mg/L]			Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Lead	7.86	7.93	3.24	5.00	5.00	92.4	93.8	1.5	75-125	20		

99.09.0176

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

1220 Quarry Lane • Pleasanton, California 94566-4756
(925) 484-1919 • Fax (925) 484-1096

Reference #: 47910

Chain of Custody

DATE 9/10/99 PAGE 1 OF 1

PROJ MGR Jay Clare
COMPANY URS Greiner Woodward Clyde
ADDRESS 500 12th St Suite 206
Oakland, CA 94607
SAMPLERS (SIGNATURE) Craig Prunier (PHONE NO.) 510 874 1730
(FAX NO.) 510 874 3268

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH-(EPA 8015,8020) ☐ Gas w/ ☐ BTEX ☐ MTBE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) ☐ Diesel ☐ M.O. ☐ Other	PURGEABLE HALOCARBONS (HVOCs) (EPA 8010)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	TOTAL OIL AND GREASE (SM 5520 B+F, E+F)		☐ PESTICIDES(EPA 8080) ☐ PCB'S (EPA 8080)	PNA's by ☐ 8270 ☐ 8310	☐ Spec Cond. ☐ TSS ☐ TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	☐ W.E.T. (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24 hr hold time for H20)	STLC	TCLP	TCLP Fir Lead	NUMBER OF CONTAINERS
G2-01	9/10/99	0900	S	Ø								X							X			X				1
G1-01-Fill	9/10/99	0930	S	Ø								X							X			X	X			1
G1-02-Native	9/10/99	0935	S	Ø								X							X			X	X			1
G3-01	9/10/99	1010	S	Ø								X							X			X			X	1
G4-01	9/10/99	1045	S	Ø								X							X			X	X			1
G5-01	9/10/99	1115	S	Ø								X							X			X	X			1
G6-01-Fill	9/10/99	1140	S	Ø								X							X			X	X			1
G6-02-Native	9/10/99	1150	S	Ø								X							X			X	X			1
G7-01	9/10/99	1215	S	Ø								X							X			X			X	1

ANALYSIS REPORT

PROJECT INFORMATION

PROJECT NAME: Shorenstein Parcel T12
PROJECT NUMBER: 510916706001
P.O. #:

TAT: STANDARD 5-DAY | 24 | 48 | 72 | OTHER

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS	9
HEAD SPACE	
TEMPERATURE	
CONFORMS TO RECORD	

SPECIAL INSTRUCTIONS/COMMENTS:

Report: ☐ Routine ☐ Level 2 ☐ Level 3 ☐ Level 4 ☐ Electronic Report

RELINQUISHED BY 1.
Craig Prunier 1430
(SIGNATURE) (TIME)
Craig Prunier 9/10/99
(PRINTED NAME) (DATE)
URS Greiner Woodward Clyde
(COMPANY)

RELINQUISHED BY 2.
(SIGNATURE) (TIME)
(PRINTED NAME) (DATE)
(COMPANY)

RELINQUISHED BY 3
(SIGNATURE) 1750 (TIME)
(PRINTED NAME) 9/10 (DATE)
Chromalab
(COMPANY)

RECEIVED BY 1.
(SIGNATURE) 1556 (TIME)
(PRINTED NAME) 9/10/99 (DATE)
(COMPANY)

RECEIVED BY 2.
(SIGNATURE) (TIME)
(PRINTED NAME) (DATE)
(COMPANY)

RECEIVED BY (LABORATORY) 3
Denise Harrington
(SIGNATURE) (TIME)
D. Harrington 1750
(PRINTED NAME) (DATE)
Chromalab 9/10/99

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