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1:24 pm, Jun 29, 2007

Alameda County
Environmental Health



Engineering/Remediation
Resources Group, Inc.
185 Mason Circle, Suite A
Concord, CA 94520

P: 925.969.0750
F: 925.969.0751
www.errg.net

June 13, 2007

Ref.: 27-060

Mr. Bernie M. Chan
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94520-9335

Field Summary Report
408 Linda Avenue, Piedmont, California
ACHCSAToxics Case RO0002899

Dear Mr. Chan:

In November 2006, P&D Environmental submitted to you a report for review; the report, dated October 12, 2006, documented the results of soil samples collected at 408 Linda Avenue, Piedmont, California during a due diligence investigation for buyers potentially interested in purchasing the property. On December 19, 2006 you issued a letter to Pacific Gas and Electric Company (PG&E) that concurred with the recommendation by P&D Environmental "to remove petroleum-impacted soils in the location of trench T3 and take a confirmation sample prior to site development." You also indicated in that letter that if the efforts to remove that soil were successful that your office could issue "a no further action letter for unrestricted use."

PG&E requested the assistance of Parsons Commercial Technology Group, Inc. (Parsons) and Engineering/Remediation Resources Group, Inc. (ERRG) to excavate and dispose of soils at 408 Linda Avenue from which sample T3 had been collected. Included with this cover letter is a summary report that documents the removal effort and the analytical results of soil samples collected and chemically analyzed to confirm that sufficient soils had been removed and that the concentrations of petroleum hydrocarbons remaining in the soil are less 500 milligrams per kilogram (mg/kg), the Environmental Screening Level (ESL) published by the San Francisco Bay Region of the California Regional Water Quality Control Board (RWQCB) (RWQCB, 2005).

As documented in the enclosed report, ERRG excavated approximately 7 cubic yards of soil from the "location of T3." The soils were excavated by hand in an area approximately 20 feet long, 2.5 feet wide, and 4 feet deep. A confirmation sample was collected from the base of the trench. Total petroleum hydrocarbons quantified as motor oil (TPH-mo) were detected in the confirmation sample at a concentration of 61 mg/kg. The excavation was backfilled with soil imported from a local quarry, and the surface was restored to original grade.

The concentration of TPH-mo is much less than the Regional Water Quality Control Board's Environmental Screening level (ESL) of 500 mg/kg for residential soil. PG&E, therefore, respectfully requests that ACHCSA issue "a no further action letter for unrestricted use" for the TPH issue at 408 Linda Avenue, Piedmont, CA.

We thank you in advance for your assistance. If you have any questions or need additional information about the work done at 408 Linda Avenue, Piedmont, CA, please call me at (925) 969-0750 or Sally Goodin at (510) 301-2261.

Sincerely,

A handwritten signature in black ink, appearing to read 'Terry R. Winsor', written in a cursive style.

Terry R. Winsor, P.G.
Senior Project Manager

Enc. Summary Report

cc Ms. Sally Goodin
Pacific Gas and Electric Company
Environmental Services Site Remediation
77 Beale Street, Mail Code B24A
San Francisco, California 94105



Engineering/Remediation
Resources Group, Inc.
185 Mason Circle, Suite A
Concord, CA 94520

P: 925.969.0750
F: 925.969.0751
www.errg.net

June 12, 2007

Ref.: 27-060

Ms. Sally Goodin, P.G.
Pacific Gas and Electric Company
Environmental Services, Site Remediation
77 Beale Street, Mail Code B24A
San Francisco, California 94105

408 Linda Avenue, Piedmont, California
Field Summary Report

Dear Ms. Goodin:

As requested by Pacific Gas and Electric Company (PG&E), Engineering/Remediation Resources Group, Inc. (ERRG) assisted Parsons Commercial Technology Group, Inc. (Parsons), with the excavation of soils at 408 Linda Avenue, Piedmont, CA (Figure 1). PG&E requested that Parsons and ERRG excavate soil in which residual petroleum hydrocarbons had been identified in earlier due diligence investigations. The following summary report documents the excavation and analytical results of soil samples collected and chemically analyzed to confirm the levels of petroleum hydrocarbons that remain in the soils and to characterize the excavated soil for disposal.

Background

During a due diligence investigation of the property in July 2006, P&D Environmental (P&D) collected three soil samples from a location T3 near the southeast corner of the building, between the sidewalk and the building (see Figure 2). The samples were collected to reassess the soils in an area where polychlorinated biphenyls (PCBs) had been detected in soil samples collected when a sink and drain had been removed from the building in 2000 (0.91 milligrams per kilogram (mg/kg)). PCBs were detected in the sample T-3 collected 2.5 feet below ground surface at a concentration of 0.27 mg/kg, but total petroleum hydrocarbons as motor oil (TPH-mo) were identified as the compound of potential concern at concentrations of 5,500 mg/kg, 150 mg/kg, and 230 mg/kg in samples collected 2.5 feet, 3.5 feet, and 5.5 feet below ground surface, respectively, at location T3. In a letter report dated October 12, 2006, P&D reported these data to the Alameda County Environmental Health Services (ACEHS) and recommended that soils near location T3 be excavated. In a letter dated December 19, 2006, ACEHS concurred with the recommendation by P&D "to remove petroleum-impacted soils in the location of trench T3 and take a confirmation sample prior to site development." Consistent with the recommendation by P&D "to remove petroleum-impacted soils in the location of T3," ERRG completed the work as described below at 408 Linda Avenue, Piedmont, CA.

Current Work

ERRG mobilized to 408 Linda Avenue, Piedmont, CA on April 4, 2007, following notification of Underground Service Alert (USA) on April 2, 2007; USA issued ticket number 112711 for the

excavation area. Prior to any intrusive activities, Precision Locating, a private utility locating service, surveyed the proposed excavation area on April 4, 2007 to clear it of underground utilities. Precision Locating identified several sewer and roof drains and water lines that required doing most of the excavation by hand (Figures 3 and 4). After removing three shrubs, ERRG excavated approximately seven cubic yards of soil from the area between the sidewalk and the building, extending from the southeast corner of the building approximately 20 feet north, as shown in Figure 3. The excavation extended down beneath the drain lines, approximately 4 feet below ground surface (Figure 4, photographs). ERRG collected and submitted two soil samples to Severn Trent Laboratories (STL) located in Pleasanton, California. Sample 408 SubE W0001-040407 (W001) was collected to supplement chemical data provided by P&D and to characterize the soil according to requirements of the disposal facility, Allied Waste Forward Landfill (waste profiling). Sample 408 SubE C0002-040407 (C002) was collected from clay/silt soil at the bottom of the excavation to confirm that sufficient soils had been removed and that the levels of residual fuels or TPH-mo were less than 500 mg/kg, the Environmental Screening Level (ESL) published in 2005 by the San Francisco Bay Region of the California Regional Water Quality Control Board (RWQCB) and identified by ACEHS as the cleanup goal for this project. The analytical results are presented in the table below, and copies of the laboratory analytical report are attached as Attachment A of this letter report.

Sample #	Concentration of motor oil range organics (C24-C36) (TPH-mo)	STLC Citrate Lead (CA Wet Citrate)
408 SubE W0001-40407 (W001)		0.67 mg/L
408 SubE C0002-040407 (C002)	61 mg/kg	

After confirming that the concentration of TPH-mo in sample C002 was less than the goal of 500 mg/kg, ERRG imported fill from Dumbarton Quarry Associates Curtner Quarry in Milpitas, California. Curtner Quarry provided analytical results for the imported fill; a copy of those results is provided as Attachment B. ERRG commenced backfilling on April 6, 2007. Import material was placed in 12-inch lifts and compacted to an approximate relative dry density of 90%, to ensure that no voids remained in the backfill. The surface of the excavation was graded to match original conditions.

ERRG removed all project-related equipment, materials and debris, and demobilized late on April 6, 2007.

ERRG placed the excavated soil in a soil bin that was provided by DenBeste Trucking and in which it was transported to Forward Landfill in Manteca, California on June 12, 2007. The soil bin was equipped with a cover that was secured with a paddle lock. ERRG worked with PG&E to profile the excavated soil as a Class II non-hazardous waste solid using historic data for petroleum hydrocarbons; however, Allied Waste required that a soil be analyzed for soluble lead using CA Wet Citrate. The concentration of soluble lead as presented in the table above was 0.67 mg/L, much less than the Soluble Threshold Limit Concentration for lead of 5 mg/L. A copy of the Non-Hazardous Waste Manifest (Waste Acceptance No. 7135) is attached to this

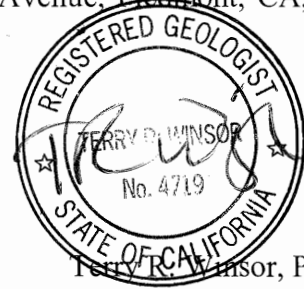
report at Attachment C; a copy of the weigh bill will be forwarded to you after it is sent to us by the landfill.

It has been a pleasure to assist PG&E and Parsons on this project. If you have any questions or need additional information about the work done at 408 Linda Avenue, Piedmont, CA, please call either me or Terry Winsor at (925) 969-0750.

Sincerely,



Chris Mai
Project Manager



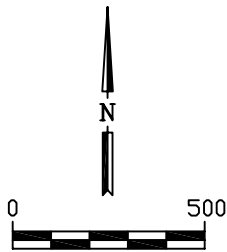
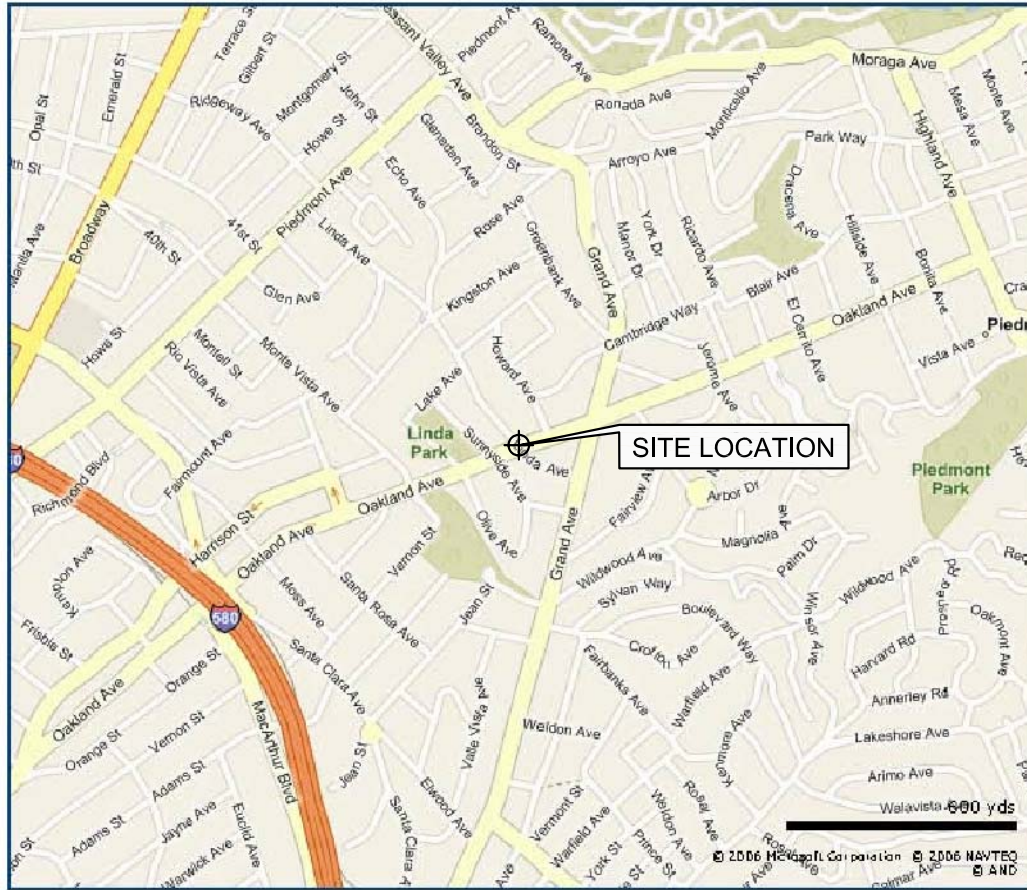
Terry R. Winsor, P.G.
Senior Project Manager

Enc. Attachment A Copies of STL analytical laboratory reports

Attachment B Copy of the analytical laboratory report provided by Curtner Quarry

Attachment C Non-Hazardous Waste Manifest #7135

cc Mr. Rowland Keith
Principal Scientist
Parsons Commercial Technology Group, Inc.
2121 North California Blvd, Suite 500
Walnut Creek, California 94596



APPROXIMATE SCALE IN YARDS

P:\2007_P\Projects\27-032_David Wren\N_Maps_Dwgs\MTBE_Concentrations.dwg



Engineering/Remediation
Resources Group, Inc.
185 Mason Circle, Suite A/B
Concord, California 94520
(925) 969-0750

CLIENT:
**PARSONS PG&E
PIEDMONT EXCAVATION**

LOCATION:
**408 LINDA AVE.
PIEDMONT, CALIFORNIA**

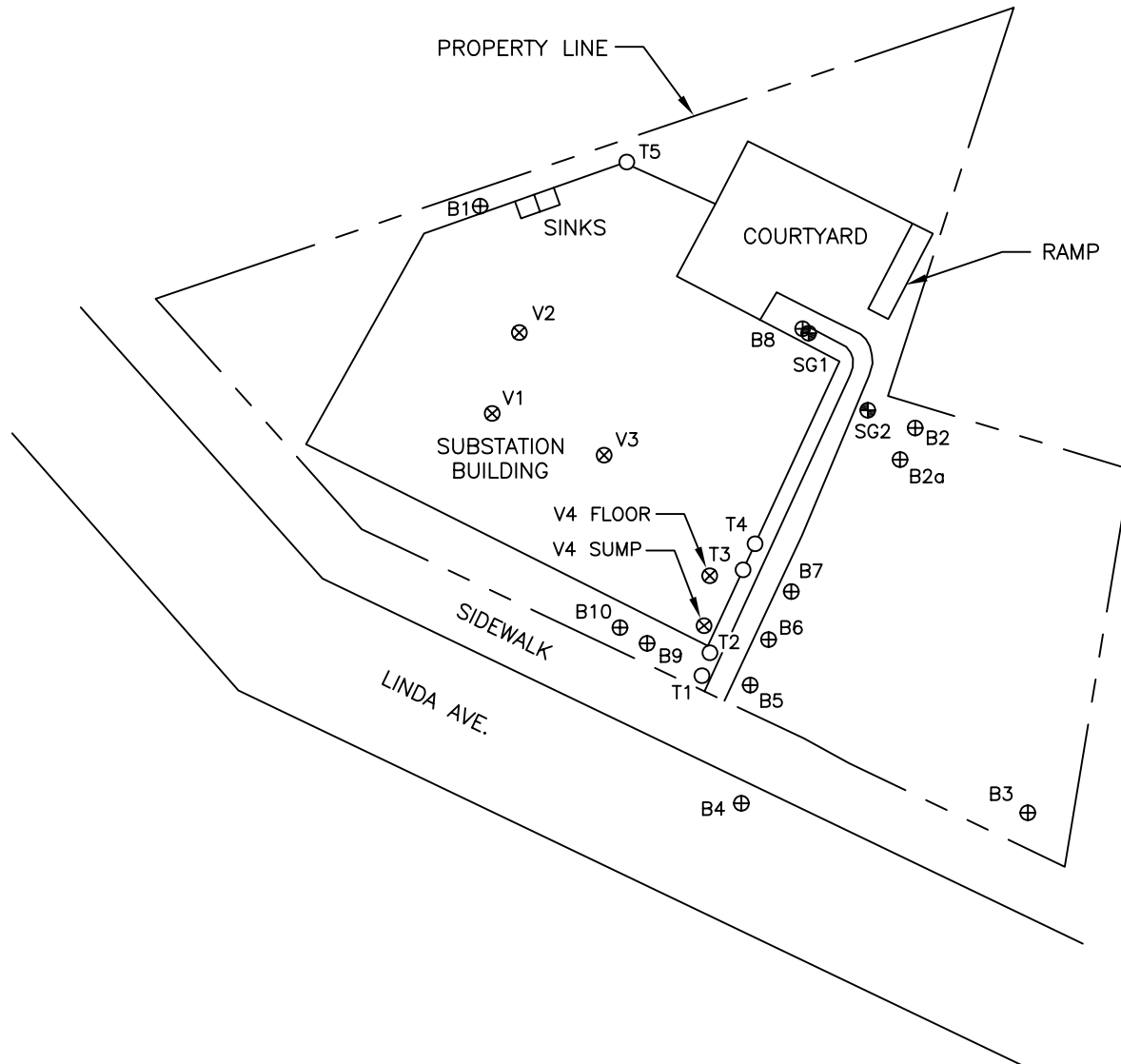
DESIGNED BY:
RDB 5-1-07

CHECKED BY:
TW 5-1-07

P.E.I.P.G.:
-

SITE LOCATION MAP

ERRG PROJECT NO.	REVISION NO.	SHEET	OF	FIG NO.
27-060	0	1	1	1



LEGEND:

- B4 ⊕ BOREHOLE LOCATION
- T5 ○ SOIL SAMPLE LOCATION
- V4 ⊗ SOIL SAMPLE LOCATION
- SG2 ⊕ SOIL GAS SAMPLE LOCATION

APPROXIMATE SCALE IN FEET



Engineering/Remediation
Resources Group, Inc.
185 Mason Circle, Suite A/B
Concord, California 94520
(925) 969-0750

CLIENT:
**PARSONS PG&E
PIEDMONT EXCAVATION**

LOCATION:
**408 LINDA AVE.
PIEDMONT, CALIFORNIA**

DESIGNED BY:
RDB 5-1-07

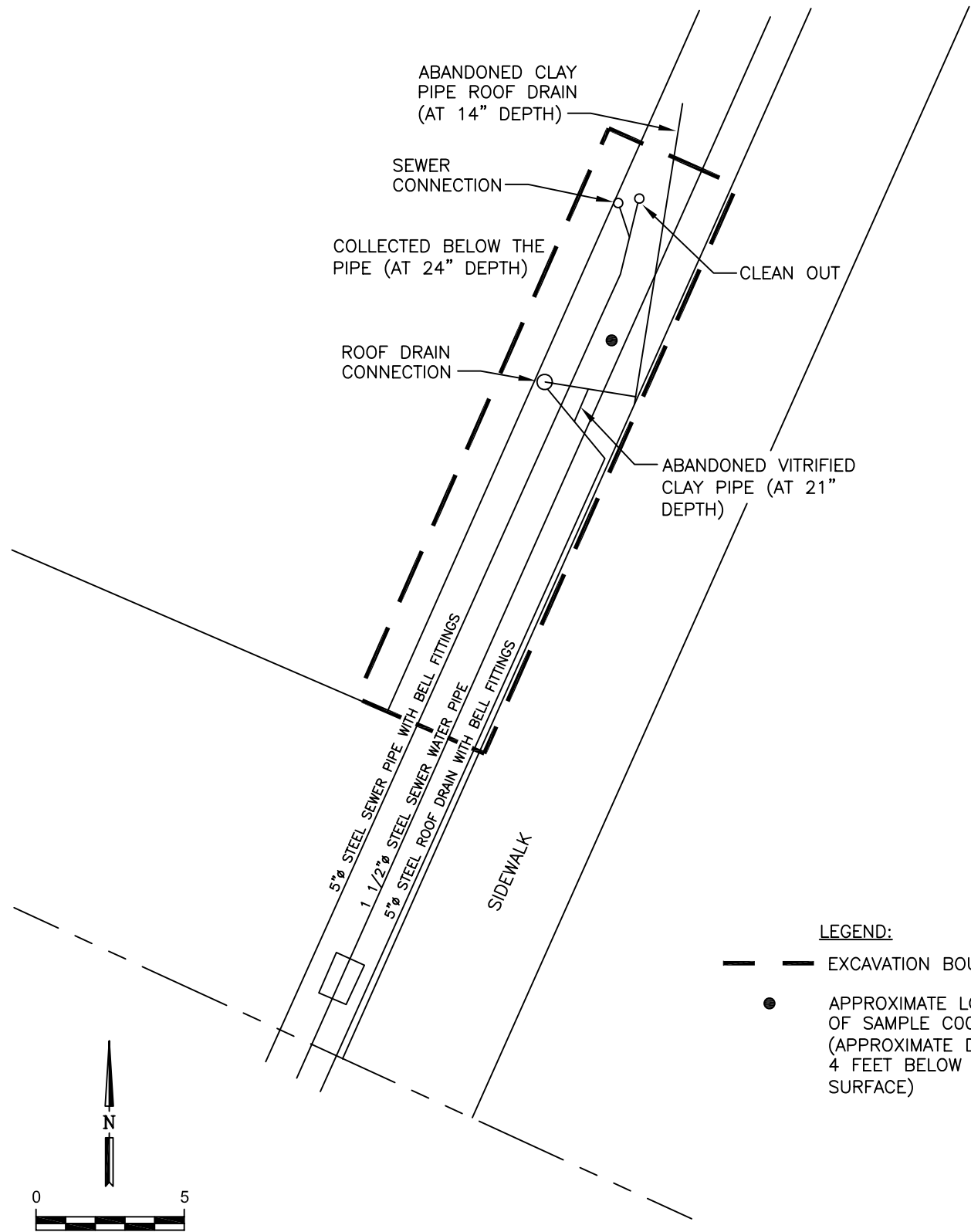
CHECKED BY:
TW 5-16-07

P.E./P.G.:
-

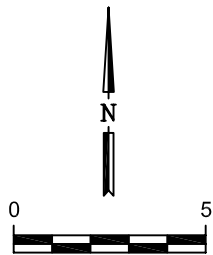
**LOCATION OF T3 BASED
ON P&D ENVIRONMENTAL FIGURE 3**

ERRG PROJECT NO.	REVISION NO.	SHEET	OF	FIG NO.
27-060	0	1	1	2

P:\2007_Projects\27-060_Parsons PG&E\IN_Maps_Dwgs\excavation area.dwg



- LEGEND:**
- EXCAVATION BOUNDARY
 - APPROXIMATE LOCATION OF SAMPLE C0002 (APPROXIMATE DEPTH = 4 FEET BELOW GROUND SURFACE)



APPROXIMATE SCALE IN FEET



Engineering/Remediation Resources Group, Inc.
 185 Mason Circle, Suite A/B
 Concord, California 94520
 (925) 969-0750

CLIENT:
**PARSONS PG&E
 PIEDMONT EXCAVATION**

LOCATION:
**408 LINDA AVE.
 PIEDMONT, CALIFORNIA**

DESIGNED BY:
RDB 5-1-07

CHECKED BY:
TW 5-1-07

P.E./P.G.:
 -

EXCAVATION AREA BASED ON P&D ENVIRONMENTAL DETAIL A				
ERRG PROJECT NO.	REVISION NO.	SHEET	OF	FIG NO.
27-060	0	1	1	3



Parsons – Piedmont: *Photo 01* – Removal of Soil in Progress, 408 Linda Avenue, Piedmont, CA., April 4, 2007.

Photographed by: S. Cruthers-Knight



Parsons – Piedmont: *Photo 02* – Soil Removed, April 5, 2007, 408 Linda Avenue, Piedmont, CA.

Photographed by: T. R. Winsor



Parsons – Piedmont: Photo 03 – Removal Complete, April 5, 2007, 408 Linda Avenue, Piedmont, CA
Photographed by: T. R. Winsor



Parsons – Piedmont: Photo 04 – Removal Complete, 408 Linda Avenue, Piedmont, CA.
Photographed by: T. R. Winsor

Attachment 1. STL Analytical Laboratory Reports



ANALYTICAL REPORT

Job Number: 720-8512-1

Job Description: Parsons PGE Piedmont Excavation

For:
ERRG
185 Mason Circle, Ste A
Concord, CA 94520

Attention: Mr. Chris Mai

A handwritten signature in black ink that reads "D Sharma".

Dimple Sharma
Project Manager I
dsharma@stl-inc.com
04/05/2007

Project Manager: Dimple Sharma

Severn Trent Laboratories, Inc.

STL San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.stl-inc.com

EXECUTIVE SUMMARY - Detections

Client: ERRG

Job Number: 720-8512-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-8512-2 Motor Oil Range Organics [C24-C36]	408-SUBE-C002-040407	61	50	mg/Kg	8015B

METHOD SUMMARY

Client: ERRG

Job Number: 720-8512-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL SF	SW846 8015B	
Ultrasonic Extraction	STL SF		SW846 3550B

LAB REFERENCES:

STL SF = STL San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ERRG

Job Number: 720-8512-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-8512-2	408-SubE-C002-040407	Solid	04/04/2007 1335	04/04/2007 1448

Analytical Data

Client: ERRG

Job Number: 720-8512-1

Client Sample ID: 408-SubE-C002-040407

Lab Sample ID: 720-8512-2
Client Matrix: Solid

Date Sampled: 04/04/2007 1335
Date Received: 04/04/2007 1448

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method:	8015B	Analysis Batch: 720-20123	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-20026	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.05 g
Date Analyzed:	04/05/2007 0459		Final Weight/Volume:	5 mL
Date Prepared:	04/04/2007 0842		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Motor Oil Range Organics [C24-C36]		61		50
Surrogate		%Rec		Acceptance Limits
o-Terphenyl		69		50 - 130

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
--------------------	------------------	--------------------

Quality Control Results

Client: ERRG

Job Number: 720-8512-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-20026					
LCS 720-20026/2-AA	Lab Control Spike	T	Solid	3550B	
LCSD 720-20026/3-AA	Lab Control Spike Duplicate	T	Solid	3550B	
MB 720-20026/1-AA	Method Blank	T	Solid	3550B	
720-8512-2	408-SubE-C002-040407	T	Solid	3550B	
Analysis Batch:720-20123					
LCS 720-20026/2-AA	Lab Control Spike	T	Solid	8015B	720-20026
LCSD 720-20026/3-AA	Lab Control Spike Duplicate	T	Solid	8015B	720-20026
MB 720-20026/1-AA	Method Blank	T	Solid	8015B	720-20026
720-8512-2	408-SubE-C002-040407	T	Solid	8015B	720-20026

Report Basis

T = Total

Quality Control Results

Client: ERRG

Job Number: 720-8512-1

Method Blank - Batch: 720-20026

**Method: 8015B
Preparation: 3550B**

Lab Sample ID: MB 720-20026/1-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/05/2007 1459
Date Prepared: 04/04/2007 0842

Analysis Batch: 720-20123
Prep Batch: 720-20026
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.16 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99
Motor Oil Range Organics [C24-C36]	ND		50
<hr/>			
Surrogate	% Rec	Acceptance Limits	
o-Terphenyl	84	50 - 130	

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-20026**

**Method: 8015B
Preparation: 3550B**

LCS Lab Sample ID: LCS 720-20026/2-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/05/2007 1244
Date Prepared: 04/04/2007 0842

Analysis Batch: 720-20123
Prep Batch: 720-20026
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.27 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-20026/3-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/05/2007 1311
Date Prepared: 04/04/2007 0842

Analysis Batch: 720-20123
Prep Batch: 720-20026
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.23 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	82	80	50 - 130	2	30		
<hr/>							
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
o-Terphenyl	79		80	50 - 130			

Calculations are performed before rounding to avoid round-off errors in calculated results.



Engineering / Remediation Resources Group, Inc.
 185 Mason Circle, Suite A
 Concord, CA 94520
 Phone: (925) 969-0750
 Fax: (925) 969-0751

Lab No. _____

Page 1 of 1

720-8512

104835

Project Contact (Hardcopy or PDF To):

California EDF Report? Yes No

Chain-of-Custody Record and Analysis Request

Chris Mai

Electronic Deliverables To (Email Address):

Analysis Request

Laboratory / Address:

cmmai@errg.net

STL

Sampler :

Phone No.: 925-969-0750

Fax No.: 925-969-0751

Project Number: 27-060

Phase # / Task #: .01.01

Project Name: Parsons PGE Piedmont Excavation

Project Address: 408 Linda Ave, Pie

Project Manager:

Sampling Container Matrix

Sample Designation

Date Time

408-SubE-W001-040407

4/4/07

1330

solid

x

STLC - Pb

X

TPH - mo

X

TTLc - Pb

12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk) TAT

48hr
24hr

Number of Containers

1

Comments

For Lab Use Only

408-SubE-C002-040407

4/4/07

1335

x

RUSH

Relinquished by: *[Signature]*

Date Time
4/4/07 1408

Received by:

Remarks:
RUSH

Relinquished by:

Date Time

Received by:

Relinquished by:

Date Time
4/4/07 1448

Received by Laboratory: *[Signature]*

Bill to: Engineering / Remediation Resources Group, Inc.
 185 Mason Circle, Suite A
 Concord, CA 94520
 29.2 hrs

LOGIN SAMPLE RECEIPT CHECK LIST

Client: ERRG

Job Number: 720-8512-1

Login Number: 8512

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	



ANALYTICAL REPORT

Job Number: 720-8512-2

Job Description: Parsons PGE Piedmont Excavation

For:
ERRG
185 Mason Circle, Ste A
Concord, CA 94520

Attention: Mr. Chris Mai

A handwritten signature in black ink that reads "D Sharma".

Dimple Sharma
Project Manager I
dsharma@stl-inc.com
04/06/2007

Project Manager: Dimple Sharma

Severn Trent Laboratories, Inc.

STL San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.stl-inc.com

EXECUTIVE SUMMARY - Detections

Client: ERRG

Job Number: 720-8512-2

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-8512-1 <i>STLC Citrate</i> Lead	408-SUBE-W001-040407	0.67	0.50	mg/L	6010B

METHOD SUMMARY

Client: ERRG

Job Number: 720-8512-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL SF	SW846 6010B	
Acid Digestion of Waters for Total Recoverable or	STL SF		SW846 3005A
California WET Citrate Leach	STL SF		CA-WET CA WET Citrate

LAB REFERENCES:

STL SF = STL San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986
And Its Updates.

SAMPLE SUMMARY

Client: ERRG

Job Number: 720-8512-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-8512-1	408-SubE-W001-040407	Solid	04/04/2007 1330	04/04/2007 1448

Analytical Data

Client: ERRG

Job Number: 720-8512-2

Client Sample ID: 408-SubE-W001-040407

Lab Sample ID: 720-8512-1

Date Sampled: 04/04/2007 1330

Client Matrix: Solid

Date Received: 04/04/2007 1448

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-STLC Citrate

Method:	6010B	Analysis Batch: 720-20177	Instrument ID:	Varian ICP
Preparation:	3005A	Prep Batch: 720-20165	Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 720-20060	Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2007 1651		Final Weight/Volume:	50 mL
Date Prepared:	04/06/2007 1440			
Date Leached:	04/04/2007 1530			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		0.67		0.50

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
--------------------	------------------	--------------------

Quality Control Results

Client: ERRG

Job Number: 720-8512-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-20060					
720-8512-1	408-SubE-W001-040407	C	Solid	CA WET Citrate	
Prep Batch: 720-20165					
LCS 720-20165/2-AA	Lab Control Spike	R	Solid	3005A	
LCSD 720-20165/3-AA	Lab Control Spike Duplicate	R	Solid	3005A	
MB 720-20165/1-AA	Method Blank	R	Solid	3005A	
720-8512-1MS	Matrix Spike	C	Solid	3005A	
720-8512-1MSD	Matrix Spike Duplicate	C	Solid	3005A	
720-8512-1	408-SubE-W001-040407	C	Solid	3005A	720-20060
Analysis Batch:720-20177					
LCS 720-20165/2-AA	Lab Control Spike	R	Solid	6010B	720-20165
LCSD 720-20165/3-AA	Lab Control Spike Duplicate	R	Solid	6010B	720-20165
MB 720-20165/1-AA	Method Blank	R	Solid	6010B	720-20165
720-8512-1	408-SubE-W001-040407	C	Solid	6010B	720-20165
720-8512-1MS	Matrix Spike	C	Solid	6010B	720-20165
720-8512-1MSD	Matrix Spike Duplicate	C	Solid	6010B	720-20165

Report Basis

C = STLC Citrate

R = Total Recoverable

Quality Control Results

Client: ERRG

Job Number: 720-8512-2

Method Blank - Batch: 720-20165

Lab Sample ID: MB 720-20165/1-AA
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 04/06/2007 1640
 Date Prepared: 04/06/2007 1440

Analysis Batch: 720-20177
 Prep Batch: 720-20165
 Units: mg/L

**Method: 6010B
 Preparation: 3005A
 Total Recoverable**

Instrument ID: Varian ICP
 Lab File ID: N/A
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Lead	ND		0.50

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-20165**

LCS Lab Sample ID: LCS 720-20165/2-AA
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 04/06/2007 1644
 Date Prepared: 04/06/2007 1440

Analysis Batch: 720-20177
 Prep Batch: 720-20165
 Units: mg/L

**Method: 6010B
 Preparation: 3005A
 Total Recoverable**

Instrument ID: Varian ICP
 Lab File ID: N/A
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-20165/3-AA
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 04/06/2007 1647
 Date Prepared: 04/06/2007 1440

Analysis Batch: 720-20177
 Prep Batch: 720-20165
 Units: mg/L

Instrument ID: Varian ICP
 Lab File ID: N/A
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Lead	100	100	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ERRG

Job Number: 720-8512-2

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 720-20165

Method: 6010B
Preparation: 3005A
STLC Citrate

MS Lab Sample ID: 720-8512-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2007 1654
Date Prepared: 04/06/2007 1440

Analysis Batch: 720-20177
Prep Batch: 720-20165

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 720-8512-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2007 1658
Date Prepared: 04/06/2007 1440

Analysis Batch: 720-20177
Prep Batch: 720-20165

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Lead	95	95	80 - 120	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

LOGIN SAMPLE RECEIPT CHECK LIST

Client: ERRG

Job Number: 720-8512-2

Login Number: 8512

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

**Attachment 2. Analytical Laboratory Report
provided by Curtner Quarry**



STL

ANALYTICAL REPORT

Job Number: 720-2983-1

Job Description: Haven Ave

For:
Pacific States Environmental
PO BOX 11357
Pleasanton, CA 94588

*Quarry Fines
From Contractor
Quarry*

Attention: Mr. Jon Ruff

Surinder Sidhu

Surinder Sidhu
Project Manager I
ssidhu@stl-inc.com
04/14/2006

Project Manager: Surinder Sidhu

Job # 606105
Date 4/14/06
To Company PSEC
From Company STL
Category General
Distribute to _____

METHOD SUMMARY

Client: Pacific States Environmental

Job Number: 720-2983-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge and Trap for Solids	STL-SF		SW846 5030B
Volatile Organic Compounds by GC/MS (Low Level)	STL-SF	SW846 8260B	
Purge and Trap for Solids	STL-SF		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	STL-SF	SW846 8270C	
Ultrasonic Extraction	STL-SF		SW846 3550B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL-SF	SW846 8015B	
Ultrasonic Extraction	STL-SF		SW846 3550B
Silica Gel Cleanup	STL-SF		SW846 3630C
Organochlorine Pesticides by Gas Chromatography	STL-SF	SW846 8081A	
Ultrasonic Extraction	STL-SF		SW846 3550B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	STL-SF	SW846 8082	
Ultrasonic Extraction	STL-SF		SW846 3550B

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Pacific States Environmental

Job Number: 720-2983-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Client Matrix</u>	<u>Date/Time Sampled</u>	<u>Date/Time Received</u>
720-2983-1	606105-CQ-F-01	Solid	03/29/2006 0000	03/30/2006 0000

Analytical Data

Client: Pacific States Environmental

Job Number: 720-2983-1

Client Sample ID: 606105-CQ-F-01

Lab Sample ID: 720-2983-1

Date Sampled: 03/29/2006 0000

Client Matrix: Solid

Date Received: 03/30/2006 0000

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-7425

Instrument ID: Saturn 3900B

Preparation: 5030B

Lab File ID: c:\saturnws\data\200604\04

Dilution: 1.0

Initial Weight/Volume: 5.06 g

Date Analyzed: 04/06/2006 1439

Final Weight/Volume: 10 mL

Date Prepared: 04/06/2006 1439

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.99
Surrogate		%Rec		Acceptance Limits
Toluene-d8		91		70 - 130
1,2-Dichloroethane-d4		96		60 - 140

Analytical Data

Client: Pacific States Environmental

Job Number: 720-2983-1

Client Sample ID: 606105-CQ-F-01

Lab Sample ID: 720-2983-1

Date Sampled: 03/29/2006 0000

Client Matrix: Solid

Date Received: 03/30/2006 0000

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-7445	Instrument ID: Latest Chemstation
Preparation:	5030B		Lab File ID: 040606011.D
Dilution:	1.0		Initial Weight/Volume: 5.05 g
Date Analyzed:	04/06/2006 1518		Final Weight/Volume: 10 mL
Date Prepared:	04/06/2006 1518		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		ND		50
Benzene		ND		5.0
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		9.9
Methyl Ethyl Ketone		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		9.9
Chloroform		ND		5.0
Chloromethane		ND		9.9
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		50
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		9.9
Dichlorodifluoromethane		ND		9.9
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND		5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Ethylbenzene		ND		5.0
Hexachlorobutadiene		ND		5.0
Isopropylbenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methylene Chloride		ND		9.9

(12) ✓ 1.5 ppm for background

Analytical Data

Client: Pacific States Environmental

Job Number: 720-2983-1

Client Sample ID: 606105-CQ-F-01

Lab Sample ID: 720-2983-1

Date Sampled: 03/29/2006 0000

Client Matrix: Solid

Date Received: 03/30/2006 0000

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-7445	Instrument ID: Latest Chemstation
Preparation:	5030B		Lab File ID: 040606011.D
Dilution:	1.0		Initial Weight/Volume: 5.05 g
Date Analyzed:	04/06/2006 1518		Final Weight/Volume: 10 mL
Date Prepared:	04/06/2006 1518		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
methyl isobutyl ketone		ND		50
Naphthalene		ND		9.9
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,1,1,2,2-Tetrachloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Toluene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
Xylenes, Total		ND		9.9
2,2-Dichloropropane		ND		5.0
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		99		60 - 140
1,2-Dichloroethane-d4		85		60 - 140
Toluene-d8		88		70 - 130

Analytical Data

Client: Pacific States Environmental

Job Number: 720-2983-1

Client Sample ID: 606105-CQ-F-01

Lab Sample ID: 720-2983-1

Date Sampled: 03/29/2006 0000

Client Matrix: Solid

Date Received: 03/30/2006 0000

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-7660	Instrument ID: Sat 2K1
Preparation:	3550B	Prep Batch: 720-7368	Lab File ID: d:\data\200604\040906\720-
Dilution:	5.0		Initial Weight/Volume: 30.22 g
Date Analyzed:	04/09/2006 1458		Final Weight/Volume: 1 mL
Date Prepared:	04/06/2006 0818		Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Phenol		ND		0.33
Bis(2-chloroethyl)ether		ND		0.33
2-Chlorophenol		ND		0.33
1,3-Dichlorobenzene		ND		0.33
1,4-Dichlorobenzene		ND		0.33
Benzyl alcohol		ND		0.84
1,2-Dichlorobenzene		ND		0.33
2-Methylphenol		ND		0.33
4-Methylphenol		ND	*	0.33
N-Nitrosodi-n-propylamine		ND		0.33
Hexachloroethane		ND		0.33
Nitrobenzene		ND		0.33
Isophorone		ND		0.33
2-Nitrophenol		ND		0.33
2,4-Dimethylphenol		ND		0.33
Bis(2-chloroethoxy)methane		ND		0.84
2,4-Dichlorophenol		ND		0.33
1,2,4-Trichlorobenzene		ND		0.33
Naphthalene		ND		0.33
4-Chloroaniline		ND		0.33
Hexachlorobutadiene		ND		0.33
4-Chloro-3-methylphenol		ND		0.84
2-Methylnaphthalene		ND		0.33
Hexachlorocyclopentadiene		ND		0.84
2,4,6-Trichlorophenol		ND		0.33
2,4,5-Trichlorophenol		ND		0.33
2-Chloronaphthalene		ND		0.33
2-Nitroaniline		ND		1.6
Dimethyl phthalate		ND		0.84
Acenaphthylene		ND		0.33
3-Nitroaniline		ND		0.33
Acenaphthene		ND		0.33
2,4-Dinitrophenol		ND		1.6
4-Nitrophenol		ND		1.6
Dibenzofuran		ND		0.33
2,4-Dinitrotoluene		ND		0.33
2,6-Dinitrotoluene		ND		0.33
Diethyl phthalate		ND		0.84
4-Chlorophenyl phenyl ether		ND		0.84
Fluorene		ND		0.33
4-Nitroaniline		ND		1.6
2-Methyl-4,6-dinitrophenol		ND		1.6
N-Nitrosodiphenylamine		ND		0.33

Analytical Data

Client: Pacific States Environmental

Job Number: 720-2983-1

Client Sample ID: 606105-CQ-F-01

Lab Sample ID: 720-2983-1

Date Sampled: 03/29/2006 0000

Client Matrix: Solid

Date Received: 03/30/2006 0000

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-7660	Instrument ID: Sat 2K1
Preparation:	3550B	Prep Batch: 720-7368	Lab File ID: d:\data\200604\040906\720-
Dilution:	5.0		Initial Weight/Volume: 30.22 g
Date Analyzed:	04/09/2006 1458		Final Weight/Volume: 1 mL
Date Prepared:	04/06/2006 0818		Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
4-Bromophenyl phenyl ether		ND		0.84
Hexachlorobenzene		ND		0.33
Pentachlorophenol		ND		1.6
Phenanthrene		ND		0.33
Anthracene		ND		0.33
Di-n-butyl phthalate		ND		0.84
Fluoranthene		ND		0.33
Pyrene		ND		0.33
Butyl benzyl phthalate		ND		0.84
3,3'-Dichlorobenzidine		ND		0.84
Benzo[a]anthracene		ND		0.33
Bis(2-ethylhexyl) phthalate		ND		1.6
Chrysene		ND		0.33
Di-n-octyl phthalate		ND		0.84
Benzo[b]fluoranthene		ND		0.33
Benzo[a]pyrene		ND		0.33
Benzo[k]fluoranthene		ND		0.33
Indeno[1,2,3-cd]pyrene		ND		0.33
Benzo[g,h,i]perylene		ND		0.33
Benzoic acid		ND		1.6
Azobenzene		ND		0.33
Dibenz(a,h)anthracene		ND		0.33
Surrogate		%Rec		Acceptance Limits
Nitrobenzene-d5		68		23 - 120
2-Fluorobiphenyl		80		30 - 115
Terphenyl-d14		86		18 - 137
2-Fluorophenol		65		25 - 121
Phenol-d5		72		24 - 113
2,4,6-Tribromophenol		87		19 - 122

Analytical Data

Client: Pacific States Environmental

Job Number: 720-2983-1

Client Sample ID: 606105-CQ-F-01

Lab Sample ID: 720-2983-1

Date Sampled: 03/29/2006 0000

Client Matrix: Solid

Date Received: 03/30/2006 0000

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B Analysis Batch: 720-7597 Instrument ID: HP DRO5
Preparation: 3550B Prep Batch: 720-7369 Lab File ID: N/A
Dilution: 2.0 Initial Weight/Volume: 30.24 g
Date Analyzed: 04/10/2006 2135 Final Weight/Volume: 5 mL
Date Prepared: 04/06/2006 0821 Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		44 <i>OK</i> 500		2.0
Motor Oil Range Organics [C24-C36]		180 <i>OK</i> 1000		99
Surrogate		%Rec		Acceptance Limits
o-Terphenyl		77		60 - 130

Analytical Data

Client: Pacific States Environmental

Job Number: 720-2983-1

Client Sample ID: 606105-CQ-F-01

Lab Sample ID: 720-2983-1

Date Sampled: 03/29/2006 0000

Client Matrix: Solid

Date Received: 03/30/2006 0000

8081A Organochlorine Pesticides by Gas Chromatography

Method:	8081A	Analysis Batch: 720-7566	Instrument ID: Varian Pest 1
Preparation:	N/A		Lab File ID: N/A
Dilution:	5.0		Initial Weight/Volume:
Date Analyzed:	04/11/2006 1034		Final Weight/Volume:
Date Prepared:	N/A		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Aldrin		ND		30
Dieldrin		ND		30
Endrin aldehyde		ND		30
Endrin		ND		30
Endrin ketone		ND		30
Heptachlor		ND		30
Heptachlor epoxide		ND		30
4,4'-DDT		ND		30
4,4'-DDE		ND		30
4,4'-DDD		ND		30
Endosulfan I		ND		30
Endosulfan II		ND		30
alpha-BHC		ND		30
beta-BHC		ND		30
gamma-BHC (Lindane)		ND		30
delta-BHC		ND		30
Endosulfan sulfate		ND		30
Methoxychlor		ND		30
Toxaphene		ND		1500
Chlordane (technical)		ND		750
alpha-Chlordane		ND		30
gamma-Chlordane		ND		30
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene				
DCB Decachlorobiphenyl				

Analytical Data

Client: Pacific States Environmental

Job Number: 720-2983-1

Client Sample ID: 606105-CQ-F-01

Lab Sample ID: 720-2983-1

Date Sampled: 03/29/2006 0000

Client Matrix: Solid

Date Received: 03/30/2006 0000

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch:	720-7414	Instrument ID:	Agilent PCB 2
Preparation:	3550B	Prep Batch:	720-7366	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	30.05 g
Date Analyzed:	04/06/2006 1559			Final Weight/Volume:	10 mL
Date Prepared:	04/06/2006 0803			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		72		57 - 113
DCB Decachlorobiphenyl		76		56 - 115

DATA REPORTING QUALIFIERS

Client: Pacific States Environmental

Job Number: 720-2983-1

<u>Lab Section</u>	<u>Qualifier</u>	<u>Description</u>
GC/MS Semi VOA	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC/MS VOA				
Analysis Batch:720-7425				
LCS 720-7425/10	Lab Control Spike	Solid	8260B	
LCSD 720-7425/9	Lab Control Spike Duplicate	Solid	8260B	
MB 720-7425/11	Method Blank	Solid	8260B	
720-2983-1	606105-CQ-F-01	Solid	8260B	
Analysis Batch:720-7445				
LCS 720-7445/1	Lab Control Spike	Solid	8260B	
MB 720-7445/2	Method Blank	Solid	8260B	
720-2983-1	606105-CQ-F-01	Solid	8260B	
GC/MS Semi VOA				
Prep Batch: 720-7368				
LCS 720-7368/2-A	Lab Control Spike	Solid	3550B	
LCSD 720-7368/3-A	Lab Control Spike Duplicate	Solid	3550B	
MB 720-7368/1-A	Method Blank	Solid	3550B	
720-2983-1	606105-CQ-F-01	Solid	3550B	
720-2983-1MS	Matrix Spike	Solid	3550B	
720-2983-1MSD	Matrix Spike Duplicate	Solid	3550B	
Analysis Batch:720-7660				
LCS 720-7368/2-A	Lab Control Spike	Solid	8270C	720-7368
LCSD 720-7368/3-A	Lab Control Spike Duplicate	Solid	8270C	720-7368
MB 720-7368/1-A	Method Blank	Solid	8270C	720-7368
720-2983-1	606105-CQ-F-01	Solid	8270C	720-7368
720-2983-1MS	Matrix Spike	Solid	8270C	720-7368
720-2983-1MSD	Matrix Spike Duplicate	Solid	8270C	720-7368

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC Semi VOA				
Prep Batch: 720-7366				
LCS 720-7366/2-A	Lab Control Spike	Solid	3550B	
LCSD 720-7366/3-A	Lab Control Spike Duplicate	Solid	3550B	
MB 720-7366/1-A	Method Blank	Solid	3550B	
720-2983-1	606105-CQ-F-01	Solid	3550B	
Prep Batch: 720-7369				
LCS 720-7369/2-B	Lab Control Spike	Solid	3550B	
LCSD 720-7369/3-B	Lab Control Spike Duplicate	Solid	3550B	
MB 720-7369/1-B	Method Blank	Solid	3550B	
720-2983-1	606105-CQ-F-01	Solid	3550B	
Analysis Batch:720-7566				
720-2983-1	606105-CQ-F-01	Solid	8081A	
Analysis Batch:720-7414				
LCS 720-7366/2-A	Lab Control Spike	Solid	8082	720-7366
LCSD 720-7366/3-A	Lab Control Spike Duplicate	Solid	8082	720-7366
MB 720-7366/1-A	Method Blank	Solid	8082	720-7366
720-2983-1	606105-CQ-F-01	Solid	8082	720-7366
Analysis Batch:720-7597				
LCS 720-7369/2-B	Lab Control Spike	Solid	8015B	720-7369
LCSD 720-7369/3-B	Lab Control Spike Duplicate	Solid	8015B	720-7369
MB 720-7369/1-B	Method Blank	Solid	8015B	720-7369
720-2983-1	606105-CQ-F-01	Solid	8015B	720-7369

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

Method Blank - Batch: 720-7425

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-7425/11
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 1313
Date Prepared: 04/06/2006 1313

Analysis Batch: 720-7425
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Saturn 3900B
Lab File ID: c:\saturmws\data\200604\04
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		1.0
Surrogate	% Rec		Acceptance Limits
Toluene-d8	93		70 - 130
1,2-Dichloroethane-d4	97		60 - 140

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-7425**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-7425/10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 1119
Date Prepared: 04/06/2006 1119

Analysis Batch: 720-7425
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Saturn 3900B
Lab File ID: c:\saturmws\data\200604\04
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-7425/9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 1227
Date Prepared: 04/06/2006 1227

Analysis Batch: 720-7425
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Saturn 3900B
Lab File ID: c:\saturmws\data\200604\04
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	89	97	69 - 129	8	20		
Toluene	89	93	70 - 130	5	20		
MTBE	106	93	65 - 165	13	20		
Surrogate		LCS % Rec	LCSD % Rec			Acceptance Limits	
Toluene-d8		93	94			70 - 130	
1,2-Dichloroethane-d4		86	83			60 - 140	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

Method Blank - Batch: 720-7445

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-7445/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 1247
Date Prepared: 04/06/2006 1247

Analysis Batch: 720-7445
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Latest Chemstation
Lab File ID: 040606006.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		10
Methyl Ethyl Ketone	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		5.0
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		50
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Ethylbenzene	ND		5.0
Hexachlorobutadiene	ND		5.0
Isopropylbenzene	ND		5.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

Method Blank - Batch: 720-7445

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-7445/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 1247
Date Prepared: 04/06/2006 1247

Analysis Batch: 720-7445
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Latest Chemstation
Lab File ID: 040606006.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
4-Isopropyltoluene	ND		5.0
Methylene Chloride	ND		10
methyl isobutyl ketone	ND		50
Naphthalene	ND		10
N-Propylbenzene	ND		5.0
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		50
Vinyl chloride	ND		5.0
Xylenes, Total	ND		10
2,2-Dichloropropane	ND		5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	99	60 - 140
1,2-Dichloroethane-d4	80	60 - 140
Toluene-d8	86	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

Laboratory Control Sample - Batch: 720-7445

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-7445/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 1221
Date Prepared: 04/06/2006 1221

Analysis Batch: 720-7445
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Latest Chemstation
Lab File ID: 040606005.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	100	86	86	69 - 129	
Chlorobenzene	100	86	86	61 - 121	
1,1-Dichloroethene	100	80	80	65 - 125	
Toluene	100	84	84	70 - 130	
Trichloroethene	100	85	85	74 - 134	
Surrogate		% Rec		Acceptance Limits	
4-Bromofluorobenzene		92		60 - 140	
1,2-Dichloroethane-d4		76		60 - 140	
Toluene-d8		79		70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

Method Blank - Batch: 720-7368

**Method: 8270C
Preparation: 3550B**

Lab Sample ID: MB 720-7368/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/09/2006 1336
Date Prepared: 04/06/2006 0818

Analysis Batch: 720-7660
Prep Batch: 720-7368
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200604\040906\mb
Initial Weight/Volume: 30.07 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	RL
Phenol	ND		0.067
Bis(2-chloroethyl)ether	ND		0.067
2-Chlorophenol	ND		0.067
1,3-Dichlorobenzene	ND		0.067
1,4-Dichlorobenzene	ND		0.067
Benzyl alcohol	ND		0.17
1,2-Dichlorobenzene	ND		0.067
2-Methylphenol	ND		0.067
4-Methylphenol	ND		0.067
N-Nitrosodi-n-propylamine	ND		0.067
Hexachloroethane	ND		0.067
Nitrobenzene	ND		0.067
Isophorone	ND		0.067
2-Nitrophenol	ND		0.067
2,4-Dimethylphenol	ND		0.067
Bis(2-chloroethoxy)methane	ND		0.17
2,4-Dichlorophenol	ND		0.067
1,2,4-Trichlorobenzene	ND		0.067
Naphthalene	ND		0.067
4-Chloroaniline	ND		0.067
Hexachlorobutadiene	ND		0.067
4-Chloro-3-methylphenol	ND		0.17
2-Methylnaphthalene	ND		0.067
Hexachlorocyclopentadiene	ND		0.17
2,4,6-Trichlorophenol	ND		0.067
2,4,5-Trichlorophenol	ND		0.067
2-Chloronaphthalene	ND		0.067
2-Nitroaniline	ND		0.33
Dimethyl phthalate	ND		0.17
Acenaphthylene	ND		0.067
3-Nitroaniline	ND		0.067
Acenaphthene	ND		0.067
2,4-Dinitrophenol	ND		0.33
4-Nitrophenol	ND		0.33
Dibenzofuran	ND		0.067
2,4-Dinitrotoluene	ND		0.067
2,6-Dinitrotoluene	ND		0.067
Diethyl phthalate	ND		0.17
4-Chlorophenyl phenyl ether	ND		0.17
Fluorene	ND		0.067
4-Nitroaniline	ND		0.33

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

Method Blank - Batch: 720-7368

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 720-7368/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/09/2006 1336
Date Prepared: 04/06/2006 0818

Analysis Batch: 720-7660
Prep Batch: 720-7368
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200604\040906\mb
Initial Weight/Volume: 30.07 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	RL
2-Methyl-4,6-dinitrophenol	ND		0.33
N-Nitrosodiphenylamine	ND		0.067
4-Bromophenyl phenyl ether	ND		0.17
Hexachlorobenzene	ND		0.067
Pentachlorophenol	ND		0.33
Phenanthrene	ND		0.067
Anthracene	ND		0.067
Di-n-butyl phthalate	ND		0.17
Fluoranthene	ND		0.067
Pyrene	ND		0.067
Butyl benzyl phthalate	ND		0.17
3,3'-Dichlorobenzidine	ND		0.17
Benzo[a]anthracene	ND		0.067
Bis(2-ethylhexyl) phthalate	ND		0.33
Chrysene	ND		0.067
Di-n-octyl phthalate	ND		0.17
Benzo[b]fluoranthene	ND		0.067
Benzo[a]pyrene	ND		0.067
Benzo[k]fluoranthene	ND		0.067
Indeno[1,2,3-cd]pyrene	ND		0.067
Benzo[g,h,i]perylene	ND		0.067
Benzoic acid	ND		0.33
Azobenzene	ND		0.067
Dibenz(a,h)anthracene	ND		0.067

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	72	23 - 120
2-Fluorobiphenyl	69	30 - 115
Terphenyl-d14	92	18 - 137
2-Fluorophenol	71	25 - 121
Phenol-d5	80	24 - 113
2,4,6-Tribromophenol	79	19 - 122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-7368**

**Method: 8270C
Preparation: 3550B**

LCS Lab Sample ID: LCS 720-7368/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/09/2006 1403
Date Prepared: 04/06/2006 0818

Analysis Batch: 720-7660
Prep Batch: 720-7368
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200604\040906\lcs
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-7368/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/09/2006 1430
Date Prepared: 04/06/2006 0818

Analysis Batch: 720-7660
Prep Batch: 720-7368
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200604\040906\lcscd
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Phenol	75	75	5 - 112	0	35		
Bis(2-chloroethyl)ether	86	86	12 - 158	0	35		
2-Chlorophenol	80	82	23 - 134	2	35		
1,3-Dichlorobenzene	75	76	9 - 172	2	35		
1,4-Dichlorobenzene	80	79	20 - 124	2	35		
Benzyl alcohol	82	84	10 - 130	2	35		
1,2-Dichlorobenzene	75	80	32 - 129	6	35		
2-Methylphenol	83	86	10 - 130	3	35		
4-Methylphenol	158	154	10 - 130	3	35	*	*
N-Nitrosodi-n-propylamine	92	89	9 - 230	3	35		
Hexachloroethane	80	83	40 - 113	4	35		
Nitrobenzene	87	82	35 - 180	6	35		
Isophorone	87	81	21 - 196	7	35		
2-Nitrophenol	91	86	29 - 182	7	35		
2,4-Dimethylphenol	89	85	32 - 119	5	35		
Bis(2-chloroethoxy)methane	86	82	33 - 184	5	35		
2,4-Dichlorophenol	85	80	10 - 130	7	35		
1,2,4-Trichlorobenzene	89	82	44 - 142	8	35		
Naphthalene	88	82	21 - 133	8	35		
4-Chloroaniline	31	32	10 - 130	3	35		
Hexachlorobutadiene	81	80	24 - 116	3	35		
4-Chloro-3-methylphenol	80	85	10 - 130	5	35		
2-Methylnaphthalene	90	81	10 - 130	10	35		
Hexachlorocyclopentadiene	93	95	10 - 130	2	35		
2,4,6-Trichlorophenol	81	84	37 - 144	3	35		
2,4,5-Trichlorophenol	91	88	10 - 130	4	35		
2-Chloronaphthalene	88	81	10 - 130	8	35		
2-Nitroaniline	88	86	10 - 130	3	35		
Dimethyl phthalate	99	94	9 - 112	6	35		
Acenaphthylene	92	95	33 - 145	3	35		
3-Nitroaniline	97	89	10 - 130	9	35		
Acenaphthene	87	82	47 - 145	6	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

**Laboratory Control//
Laboratory Control Duplicate Recovery Report - Batch: 720-7368**

**Method: 8270C
Preparation: 3550B**

LCS Lab Sample ID: LCS 720-7368/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/09/2006 1403
Date Prepared: 04/06/2006 0818

Analysis Batch: 720-7660
Prep Batch: 720-7368
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200604\040906\lcs
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-7368/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/09/2006 1430
Date Prepared: 04/06/2006 0818

Analysis Batch: 720-7660
Prep Batch: 720-7368
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200604\040906\lcscsd
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
2,4-Dinitrophenol	98	103	9 - 191	5	35		
4-Nitrophenol	108	113	10 - 130	4	35		
Dibenzofuran	86	83	10 - 130	3	35		
2,4-Dinitrotoluene	97	102	39 - 139	5	35		
2,6-Dinitrotoluene	98	97	50 - 158	2	35		
Diethyl phthalate	101	102	9 - 114	0	35		
4-Chlorophenyl phenyl ether	95	86	25 - 158	11	35		
Fluorene	93	97	59 - 121	5	35		
4-Nitroaniline	99	94	10 - 130	5	35		
2-Methyl-4,6-dinitrophenol	116	118	9 - 181	1	35		
N-Nitrosodiphenylamine	94	97	10 - 130	3	35		
4-Bromophenyl phenyl ether	105	94	53 - 127	11	35		
Hexachlorobenzene	91	95	9 - 152	4	35		
Pentachlorophenol	103	95	14 - 176	9	35		
Phenanthrene	92	96	10 - 130	4	35		
Anthracene	101	90	27 - 133	11	35		
Di-n-butyl phthalate	96	95	10 - 130	1	35		
Fluoranthene	104	90	26 - 137	15	35		
Pyrene	86	86	52 - 115	1	35		
Butyl benzyl phthalate	98	104	10 - 130	6	35		
3,3'-Dichlorobenzidine	72	77	10 - 130	7	35		
Benzo[a]anthracene	84	86	33 - 143	2	35		
Bis(2-ethylhexyl) phthalate	95	101	8 - 158	6	35		
Chrysene	82	86	17 - 168	4	35		
Di-n-octyl phthalate	94	98	4 - 146	3	35		
Benzo[b]fluoranthene	90	95	24 - 159	6	35		
Benzo[a]pyrene	98	99	17 - 163	1	35		
Benzo[k]fluoranthene	90	90	11 - 162	1	35		
Indeno[1,2,3-cd]pyrene	89	91	9 - 171	2	35		
Benzo[g,h,i]perylene	93	95	9 - 219	1	35		
Benzoic acid	40	43	10 - 130	7	35		
Azobenzene	86	88	10 - 130	2	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-7368**

**Method: 8270C
Preparation: 3550B**

LCS Lab Sample ID: LCS 720-7368/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/09/2006 1403
Date Prepared: 04/06/2006 0818

Analysis Batch: 720-7660
Prep Batch: 720-7368
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200604\040906\lcs
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-7368/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/09/2006 1430
Date Prepared: 04/06/2006 0818

Analysis Batch: 720-7660
Prep Batch: 720-7368
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200604\040906\lcsd
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Dibenz(a,h)anthracene	95	99	10 - 130	4	35		
Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits				
Nitrobenzene-d5	83	77	23 - 120				
2-Fluorobiphenyl	76	74	30 - 115				
Terphenyl-d14	91	90	18 - 137				
2-Fluorophenol	70	71	25 - 121				
Phenol-d5	83	85	24 - 113				
2,4,6-Tribromophenol	93	93	19 - 122				

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-7368**

**Method: 8270C
Preparation: 3550B**

MS Lab Sample ID: 720-2983-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 04/09/2006 1525
Date Prepared: 04/06/2006 0818

Analysis Batch: 720-7660
Prep Batch: 720-7368

Instrument ID: Sat 2K1
Lab File ID: d:\data\200604\040906\72
Initial Weight/Volume: 30.27 g
Final Weight/Volume: 1 mL
Injection Volume:

MSD Lab Sample ID: 720-2983-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 04/09/2006 1552
Date Prepared: 04/06/2006 0818

Analysis Batch: 720-7660
Prep Batch: 720-7368

Instrument ID: Sat 2K1
Lab File ID: d:\data\200604\040906\72C
Initial Weight/Volume: 30.32 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phenol	58	68	5 - 112	15	35		
Bis(2-chloroethyl)ether	44	78	12 - 158	55	35		*
2-Chlorophenol	57	73	23 - 134	24	35		
1,3-Dichlorobenzene	28	62	9 - 172	74	35		*
1,4-Dichlorobenzene	31	68	20 - 124	75	35		*
Benzyl alcohol	55	75	10 - 130	31	35		
1,2-Dichlorobenzene	32	68	32 - 129	70	35		*
2-Methylphenol	67	80	10 - 130	18	35		
4-Methylphenol	134	153	10 - 130	14	35	*	*
N-Nitrosodi-n-propylamine	56	77	9 - 230	32	35		
Hexachloroethane	43	70	40 - 113	47	35		*
Nitrobenzene	47	71	35 - 180	40	35		*
Isophorone	59	75	21 - 196	25	35		
2-Nitrophenol	56	81	29 - 182	37	35		*
2,4-Dimethylphenol	73	79	32 - 119	8	35		
Bis(2-chloroethoxy)methane	57	73	33 - 184	24	35		
2,4-Dichlorophenol	76	79	10 - 130	3	35		
1,2,4-Trichlorobenzene	52	75	44 - 142	36	35		*
Naphthalene	49	68	21 - 133	33	35		
4-Chloroaniline	37	44	10 - 130	17	35		
Hexachlorobutadiene	47	69	24 - 116	37	35		*
4-Chloro-3-methylphenol	80	80	10 - 130	0	35		
2-Methylnaphthalene	62	74	10 - 130	18	35		
Hexachlorocyclopentadiene	63	67	10 - 130	6	35		
2,4,6-Trichlorophenol	77	81	37 - 144	5	35		
2,4,5-Trichlorophenol	89	90	10 - 130	0	35		
2-Chloronaphthalene	71	83	10 - 130	16	35		
2-Nitroaniline	86	85	10 - 130	1	35		
Dimethyl phthalate	88	96	9 - 112	9	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-7368**

**Method: 8270C
Preparation: 3550B**

MS Lab Sample ID: 720-2983-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 04/09/2006 1525
Date Prepared: 04/06/2006 0818

Analysis Batch: 720-7660
Prep Batch: 720-7368

Instrument ID: Sat 2K1
Lab File ID: d:\data\200604\040906\72
Initial Weight/Volume: 30.27 g
Final Weight/Volume: 1 mL
Injection Volume:

MSD Lab Sample ID: 720-2983-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 04/09/2006 1552
Date Prepared: 04/06/2006 0818

Analysis Batch: 720-7660
Prep Batch: 720-7368

Instrument ID: Sat 2K1
Lab File ID: d:\data\200604\040906\72C
Initial Weight/Volume: 30.32 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acenaphthylene	78	90	33 - 145	14	35		
3-Nitroaniline	87	78	10 - 130	10	35		
Acenaphthene	75	81	47 - 145	6	35		
2,4-Dinitrophenol	75	73	9 - 191	3	35		
4-Nitrophenol	72	58	10 - 130	22	35		
Dibenzofuran	78	88	10 - 130	12	35		
2,4-Dinitrotoluene	96	98	39 - 139	2	35		
2,6-Dinitrotoluene	98	111	50 - 158	13	35		
Diethyl phthalate	96	101	9 - 114	4	35		
4-Chlorophenyl phenyl ether	87	84	25 - 158	4	35		
Fluorene	82	89	59 - 121	8	35		
4-Nitroaniline	99	101	10 - 130	2	35		
2-Methyl-4,6-dinitrophenol	89	84	9 - 181	6	35		
N-Nitrosodiphenylamine	81	84	10 - 130	4	35		
4-Bromophenyl phenyl ether	79	81	53 - 127	3	35		
Hexachlorobenzene	89	94	9 - 152	5	35		
Pentachlorophenol	42	30	14 - 176	33	35		
Phenanthrene	78	84	10 - 130	8	35		
Anthracene	79	88	27 - 133	10	35		
Di-n-butyl phthalate	93	101	10 - 130	8	35		
Fluoranthene	85	90	26 - 137	5	35		
Pyrene	79	79	52 - 115	0	35		
Butyl benzyl phthalate	95	101	10 - 130	6	35		
3,3'-Dichlorobenzidine	70	64	10 - 130	9	35		
Benzo[a]anthracene	34	68	33 - 143	58	35		*
Bis(2-ethylhexyl) phthalate	96	104	8 - 158	8	35		
Chrysene	77	87	17 - 168	12	35		
Di-n-octyl phthalate	90	89	4 - 146	2	35		
Benzo[b]fluoranthene	90	82	24 - 159	9	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-7368**

**Method: 8270C
Preparation: 3550B**

MS Lab Sample ID: 720-2983-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 04/09/2006 1525
Date Prepared: 04/06/2006 0818

Analysis Batch: 720-7660
Prep Batch: 720-7368

Instrument ID: Sat 2K1
Lab File ID: d:\data\200604\040906\720
Initial Weight/Volume: 30.27 g
Final Weight/Volume: 1 mL
Injection Volume:

MSD Lab Sample ID: 720-2983-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 04/09/2006 1552
Date Prepared: 04/06/2006 0818

Analysis Batch: 720-7660
Prep Batch: 720-7368

Instrument ID: Sat 2K1
Lab File ID: d:\data\200604\040906\720
Initial Weight/Volume: 30.32 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzo[a]pyrene	86	80	17 - 163	8	35		
Benzo[k]fluoranthene	75	78	11 - 162	5	35		
Indeno[1,2,3-cd]pyrene	82	82	9 - 171	0	35		
Benzo[g,h,i]perylene	94	93	9 - 219	1	35		
Benzoic acid	2	2	10 - 130	1	35	*	*
Azobenzene	81	91	10 - 130	11	35		
Dibenz(a,h)anthracene	86	95	10 - 130	10	35		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5	43	63	23 - 120
2-Fluorobiphenyl	57	71	30 - 115
Terphenyl-d14	77	79	18 - 137
2-Fluorophenol	46	61	25 - 121
Phenol-d5	61	74	24 - 113
2,4,6-Tribromophenol	90	91	19 - 122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

Method Blank - Batch: 720-7369

**Method: 8015B
Preparation: 3550B**

Lab Sample ID: MB 720-7369/1-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/09/2006 1043
Date Prepared: 04/06/2006 0821

Analysis Batch: 720-7597
Prep Batch: 720-7369
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0
Motor Oil Range Organics [C24-C36]	ND		50

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	69	60 - 130

Laboratory Control/

Laboratory Control Duplicate Recovery Report - Batch: 720-7369

**Method: 8015B
Preparation: 3550B**

LCS Lab Sample ID: LCS 720-7369/2-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/09/2006 0948
Date Prepared: 04/06/2006 0821

Analysis Batch: 720-7597
Prep Batch: 720-7369
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.26 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-7369/3-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/09/2006 1015
Date Prepared: 04/06/2006 0821

Analysis Batch: 720-7597
Prep Batch: 720-7369
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.19 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	79	79	60 - 130	1	30		
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
o-Terphenyl	85		86				60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

Method Blank - Batch: 720-7366

Lab Sample ID: MB 720-7366/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 1500
Date Prepared: 04/06/2006 0803

Analysis Batch: 720-7414
Prep Batch: 720-7366
Units: ug/Kg

Method: 8082 Preparation: 3550B

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
PCB-1016	ND		50
PCB-1221	ND		50
PCB-1232	ND		50
PCB-1242	ND		50
PCB-1248	ND		50
PCB-1254	ND		50
PCB-1260	ND		50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	69	57 - 113
DCB Decachlorobiphenyl	81	56 - 115

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2983-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-7366**

**Method: 8082
Preparation: 3550B**

LCS Lab Sample ID: LCS 720-7366/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 1520
Date Prepared: 04/06/2006 0803

Analysis Batch: 720-7414
Prep Batch: 720-7366
Units: ug/Kg

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.23 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-7366/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2006 1539
Date Prepared: 04/06/2006 0803

Analysis Batch: 720-7414
Prep Batch: 720-7366
Units: ug/Kg

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.14 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
PCB-1016	89	82	65 - 135	8	30		
PCB-1260	92	89	65 - 135	3	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	71		70		57 - 113		
DCB Decachlorobiphenyl	83		82		56 - 115		

Calculations are performed before rounding to avoid round-off errors in calculated results.

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Pacific States Environmental

Job Number: 720-2983-1

Login Number: 2983

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	



ANALYTICAL REPORT

Job Number: 720-2894-1

Job Description: Haven Ave

For:
Pacific States Environmental
PO BOX 11357
Pleasanton, CA 94588

Attention: Mr. Jon Ruff

A handwritten signature in black ink that reads "Surinder Sidhu".

Surinder Sidhu
Project Manager I
ssidhu@stl-inc.com
04/05/2006

Project Manager: Surinder Sidhu

Severn Trent Laboratories, Inc.

STL San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.stl-inc.com

METHOD SUMMARY

Client: Pacific States Environmental

Job Number: 720-2894-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SF	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	STL-SF		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	STL-SF	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual	STL-SF		SW846 7471A

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Pacific States Environmental

Job Number: 720-2894-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Client Matrix</u>	<u>Date/Time Sampled</u>	<u>Date/Time Received</u>
720-2894-1	606105-CQ-F-01	Solid	03/30/2006 0820	03/30/2006 0925

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2894-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
Metals				
Prep Batch: 720-7172				
LCS 720-7172/2-A	Lab Control Spike	Solid	3050B	
LCSD 720-7172/3-A	Lab Control Spike Duplicate	Solid	3050B	
MB 720-7172/1-A	Method Blank	Solid	3050B	
720-2874-A-1-B MS	Matrix Spike	Solid	3050B	
720-2874-A-1-C MSD	Matrix Spike Duplicate	Solid	3050B	
720-2894-1	606105-CQ-F-01	Solid	3050B	
Prep Batch: 720-7210				
LCS 720-7210/2-A	Lab Control Spike	Solid	7471A	
LCSD 720-7210/3-B	Lab Control Spike Duplicate	Solid	7471A	
MB 720-7210/1-A	Method Blank	Solid	7471A	
720-2894-1	606105-CQ-F-01	Solid	7471A	
720-2896-A-1-C MS	Matrix Spike	Solid	7471A	
720-2896-A-1-D MSD	Matrix Spike Duplicate	Solid	7471A	
Analysis Batch:720-7187				
LCS 720-7172/2-A	Lab Control Spike	Solid	6010B	720-7172
LCSD 720-7172/3-A	Lab Control Spike Duplicate	Solid	6010B	720-7172
MB 720-7172/1-A	Method Blank	Solid	6010B	720-7172
720-2874-A-1-B MS	Matrix Spike	Solid	6010B	720-7172
720-2874-A-1-C MSD	Matrix Spike Duplicate	Solid	6010B	720-7172
720-2894-1	606105-CQ-F-01	Solid	6010B	720-7172
Analysis Batch:720-7234				
LCS 720-7210/2-A	Lab Control Spike	Solid	7471A	720-7210
LCSD 720-7210/3-B	Lab Control Spike Duplicate	Solid	7471A	720-7210
MB 720-7210/1-A	Method Blank	Solid	7471A	720-7210
720-2894-1	606105-CQ-F-01	Solid	7471A	720-7210
720-2896-A-1-C MS	Matrix Spike	Solid	7471A	720-7210
720-2896-A-1-D MSD	Matrix Spike Duplicate	Solid	7471A	720-7210

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2894-1

Method Blank - Batch: 720-7172

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 720-7172/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/31/2006 1327
Date Prepared: 03/31/2006 0635

Analysis Batch: 720-7187
Prep Batch: 720-7172
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Antimony	ND		2.0
Arsenic	ND		1.0
Barium	ND		1.0
Beryllium	ND		0.50
Cadmium	ND		0.50
Chromium	ND		1.0
Cobalt	ND		1.0
Copper	ND		1.0
Lead	ND		1.0
Molybdenum	ND		1.0
Nickel	ND		1.0
Selenium	ND		2.0
Silver	ND		1.0
Thallium	ND		1.0
Vanadium	ND		1.0
Zinc	ND		1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2894-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-7172**

**Method: 6010B
Preparation: 3050B**

LCS Lab Sample ID: LCS 720-7172/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/31/2006 1330
Date Prepared: 03/31/2006 0635

Analysis Batch: 720-7187
Prep Batch: 720-7172
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-7172/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/31/2006 1334
Date Prepared: 03/31/2006 0635

Analysis Batch: 720-7187
Prep Batch: 720-7172
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Antimony	100	103	80 - 120	3	20		
Arsenic	101	104	80 - 120	3	20		
Barium	99	102	80 - 120	3	20		
Beryllium	100	103	80 - 120	3	20		
Cadmium	99	102	80 - 120	3	20		
Chromium	99	102	80 - 120	3	20		
Cobalt	99	102	80 - 120	3	20		
Copper	100	103	80 - 120	3	20		
Lead	98	101	80 - 120	2	20		
Molybdenum	95	99	80 - 120	4	20		
Nickel	99	102	80 - 120	3	20		
Selenium	101	104	80 - 120	3	20		
Silver	99	102	80 - 120	3	20		
Thallium	99	102	80 - 120	3	20		
Vanadium	100	103	80 - 120	3	20		
Zinc	99	103	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2894-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-7172**

**Method: 6010B
Preparation: 3050B**

MS Lab Sample ID: 720-2874-A-1-B MS
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/31/2006 1355
Date Prepared: 03/31/2006 0635

Analysis Batch: 720-7187
Prep Batch: 720-7172

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 720-2874-A-1-C MSD
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/31/2006 1359
Date Prepared: 03/31/2006 0635

Analysis Batch: 720-7187
Prep Batch: 720-7172

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Antimony	72	61	75 - 125	18	20	*	*
Arsenic	88	80	75 - 125	10	20		
Barium	4610	4010	75 - 125	9	20	4	4
Beryllium	107	100	75 - 125	7	20		
Cadmium	106	99	75 - 125	7	20		
Chromium	100	95	75 - 125	5	20		
Cobalt	104	98	75 - 125	8	20		
Copper	4	-15	75 - 125	4	20	4	4
Lead	100	76	75 - 125	11	20		
Molybdenum	95	88	75 - 125	8	20		
Nickel	101	97	75 - 125	4	20		
Selenium	91	86	75 - 125	6	20		
Silver	93	91	75 - 125	3	20		
Thallium	103	98	75 - 125	7	20		
Vanadium	104	98	75 - 125	7	20		
Zinc	110	95	75 - 125	8	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2894-1

Method Blank - Batch: 720-7210

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 720-7210/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/03/2006 1329
Date Prepared: 04/03/2006 0808

Analysis Batch: 720-7234
Prep Batch: 720-7210
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	ND		0.050

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-7210**

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 720-7210/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/03/2006 1330
Date Prepared: 04/03/2006 0808

Analysis Batch: 720-7234
Prep Batch: 720-7210
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-7210/3-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/03/2006 1332
Date Prepared: 04/03/2006 0808

Analysis Batch: 720-7234
Prep Batch: 720-7210
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	105	103	85 - 115	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-2894-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-7210**

**Method: 7471A
Preparation: 7471A**

MS Lab Sample ID: 720-2896-A-1-C MS Analysis Batch: 720-7234
 Client Matrix: Solid Prep Batch: 720-7210
 Dilution: 1.0
 Date Analyzed: 04/03/2006 1344
 Date Prepared: 04/03/2006 0808

Instrument ID: FIMS 100
 Lab File ID: N/A
 Initial Weight/Volume: 1.02 g
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 720-2896-A-1-D MSD Analysis Batch: 720-7234
 Client Matrix: Solid Prep Batch: 720-7210
 Dilution: 1.0
 Date Analyzed: 04/03/2006 1345
 Date Prepared: 04/03/2006 0808

Instrument ID: FIMS 100
 Lab File ID: N/A
 Initial Weight/Volume: 1.00 g
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	45	33	85 - 115	9	20	*	*

Calculations are performed before rounding to avoid round-off errors in calculated results.

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Pacific States Environmental

Job Number: 720-2894-1

Login Number: 2894

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Attachment 3. Non-Hazardous Waste Manifest
