

**LIMITED PHASE II ENVIRONMENTAL
SITE ASSESSMENT REPORT**

Vacant Lot (Former Anza Electrical Substation)
Northwest Corner of Philbin Avenue and
Wohlstetter Street
Riverside, California

December 10, 2007

Converse Project No. 06-16-179-02



Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

December 10, 2007

Mr. Greg Priamos
City of Riverside
Real Property Services Division
3900 Main Street, 5th Floor
Riverside, California 92522

Attention: Audrey Johnson

Subject: **LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT**
Vacant Lot (Former Anza Electrical Substation)
Northwest Corner of Philbin Avenue and Wohlstetter Street
Riverside, California
APN: 151-123-001
RFP# PUE06-6-002
Converse Project No. 06-16-179-02

Dear Mr. Priamos:

Converse Consultants (Converse) is pleased to submit this Limited Phase II Environmental Site Assessment (Phase II ESA) for an approximate 0.3-acre, rectangular-shaped vacant lot (former Anza Electrical Substation), located at the northwest corner of Philbin Avenue and Wohlstetter Street in Riverside, California (Site, Figure 1).

Background

According to a Phase I Environmental Site Assessment (Phase I ESA) prepared by Converse Consultants, dated June 30, 2006, the Site was historically used as an electrical substation. There is potential for contamination from insulating fluids and polychlorinated biphenyls (PCB's) due to the historic use of the property. Converse recommended a Limited Phase II ESA to evaluate the subsurface soils at the Site.

Objective

The objective of this assessment is to evaluate the subsurface soils for potential contamination associated with the historical use of the Site.



Scope of Work

Project Set-up

The project set-up included marking of the trench and boring locations, notifying Underground Service Alert (USA), and coordination with subcontractors, analytical laboratory, and site access contact.

Field Activities

On October 19, 2007, four (4) borings were advanced using direct-push technologies (Geoprobe rig). The borings were designated as GP-1 through GP-4 and advanced to a maximum depth of 10-feet below ground surface (bgs). Soil samples were collected from each boring at depths of 2-feet, 5-feet, and 10-feet bgs.

For each sample, a steel rod was hydraulically advanced into the soil to the desired depth. A closed end sampler with an acetate liner was then advanced at the end of the rod to collect the soil sample. Upon reaching the intended sample depth, the sampler pin was unlocked to open the sampler, which then was driven an additional 2 feet. The sampler was then raised to the ground surface to retrieve the soil sample. Upon retrieval, soil samples were immediately removed from the sampler.

A portion of the soil sample was removed from the sleeve and placed into a plastic bag and screened in the field with a photo-ionization detector (PID) for Volatile Organic Compounds (VOCs). The soil was also visually inspected, described, and logged by a qualified professional under the responsible charge of a Professional Geologist.

The remaining soil in the acetate sleeve was sealed with Teflon film and plastic end caps, labeled, enclosed within a plastic bag and placed on ice for delivery to a State certified laboratory under chain-of-custody documentation.

Before each use, appropriate drilling and sampling equipment was cleaned, rinsed with tap water and final rinsed with distilled water.

Upon completing the sampling, each boring was backfilled with hydrated bentonite. Boring logs are included in Appendix A.

A field generated, scaled map showing the boring locations is included as an attachment (Figure 2).

No stained soil or odors were observed in during the field activities.



Groundwater was not encountered during the completion of any of the soil borings to a maximum depth ten (10) feet bgs.

Laboratory Analyses

A total of twelve (12) soil samples were submitted to Enviro-Chem Laboratories Incorporated in Pomona, California, a State of California certified laboratory. The 2-foot and 5-foot bgs samples from borings GP-1 through GP-4 were analyzed by U.S. Environmental Protection Agency (EPA) Method 8015M for Total Petroleum Hydrocarbons – Carbon Chain (TPH-cc) and EPA Method 8082 for Polychlorinated Biphenyls (PCBs). Samples were analyzed on a turnaround time of three business days (72 hours). The 10-foot bgs samples were archived by the laboratory for later analysis if required.

TPH-cc

TPH in the heavy oil range (C23-C35) was reported at concentrations of 59 milligrams per kilogram (mg/kg) and 118 mg/kg in the samples from borings GP-2 and GP-3 at depths of 2-foot bgs (GP-2@2 and GP-3@2), respectively. No heavy oil range TPH was reported above the Practical Quantitation Limit (PQL) in the remaining samples analyzed.

TPH in the diesel range was reported in sample GP-3@2 at a concentration of 39.6 mg/kg. No diesel range TPH was reported above the PQL in the remaining samples analyzed.

No TPH in the gasoline range was reported above the PQL in any of the samples analyzed.

PCBs

No PCBs were reported above the PQL.

A summary of the analytical results for the soil samples analyzed is presented in Table 1. The analytical report and chain of custody documentation are included in Appendix B.

Discussion of Findings

The EPA Region IX Preliminary Remediation Goals (PRGs) “guidance table”, dated October 2004, provides applicable guidance with respect to remediation requirements for sites located within California. For a specific compound, two separate PRGs are presented: one for industrial land use, and another for residential land use. When considering PRGs as preliminary goals, the residential concentrations (PRG-r) should be considered as the target clean up level.



No PCBs were reported above the PQLs in any of the samples analyzed, and therefore the concentrations of PCBs do not exceed the PRG-r of 3.9 mg/kg.

The Los Angeles Regional Water Quality Control Board (LARWQCB) has established Maximum Soil Screening Levels (MSSLs) for TPH in soil relative to the depth of groundwater. Groundwater was not encountered during this investigation, however, according to the Western Municipal Water District, Cooperative Well Measuring Program, Spring 2007 Data, the nearest well with data (State Well ID# 03S06W-01A; Unocal #14, MW-1) is located approximately ½-mile northeast of the Property. Depth to groundwater at this well was measured at 9.24 feet bgs in March 2007. The MSSLs for soils less than 20 feet above groundwater are 100 mg/kg for TPH in the gasoline range, 100 mg/kg for TPH in the diesel range and 1,000 mg/kg for TPH in the heavy oil range.

The highest concentration of TPH in the heavy oil range was reported at 118 mg/kg in sample GP-3@2, which is well below the MSSL of 1,000 mg/kg for heavy oil. Diesel range TPH was also reported in sample GP-3@2 at a concentration of 39.6 mg/kg which is below the MSSL of 100 mg/kg for diesel. TPH in the gasoline range was not reported above the PQLs in any of the samples.

A summary of the analytical results for the soil samples and the respective PRG-r and MSSL values are presented in Table 1.

Conclusions and Recommendations

Based on the results of our current assessment activities, Converse offers the following conclusion:

- Concentrations of TPH in the diesel and heavy oil ranges were reported in two of the samples analyzed at levels that were below their respective regulatory values. Heavy oil and diesel range TPH was not reported in the remaining samples analyzed.
- No gasoline range TPH or PCBs were reported above the PQLs in any of the samples analyzed.
- Further Assessment does not appear warranted.



Closure

This report has been prepared for the exclusive use of the City of Riverside, Real Property Services Division, in accordance with the terms and conditions under which these services were provided. Any reliance on this report by third parties shall be at the third party's sole risk. Our services have been performed in accordance with applicable state and local ordinances, and generally accepted practices and geosciences. No other warranty, either expressed or implied, is made.

Converse Consultants is not responsible or liable for the accuracy or completeness of available information provided by others. Site exploration identifies actual subsurface conditions only at points where samples are taken, when they are taken.

Data derived through sampling and analytical testing are extrapolated by geoscientist who then renders an opinion about overall subsurface conditions. Actual conditions in the areas not sampled may differ from the predictions. This report should not be regarded as a guarantee that no further contamination, beyond which was detected in our investigation, is present beneath the property. In the event that changes to the property occur, or additional, relevant information about the property is brought to our attention, the recommendations contained in this report may not be valid unless these changes and additional relevant information are reviewed and the recommendations of this report modified in writing.

If you have any questions relative to the findings presented herein, please call Alex Fernandez or Scott Nunes at (909) 796-0544, or Michael Van Fleet at (626) 930-1200.

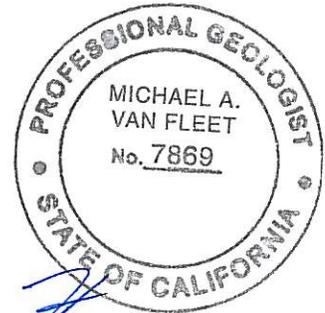
CONVERSE CONSULTANTS



Alex Fernandez
Senior Staff Environmental Scientist



Michael Van Fleet, PG
Senior Geologist



Attachments: Figure 1 – Site Location Map
Figure 2 – Boring Location Map

Table 1 – Summary of Analytical Results for PCBs and TPH

Appendix A – Boring Logs

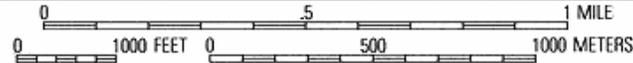
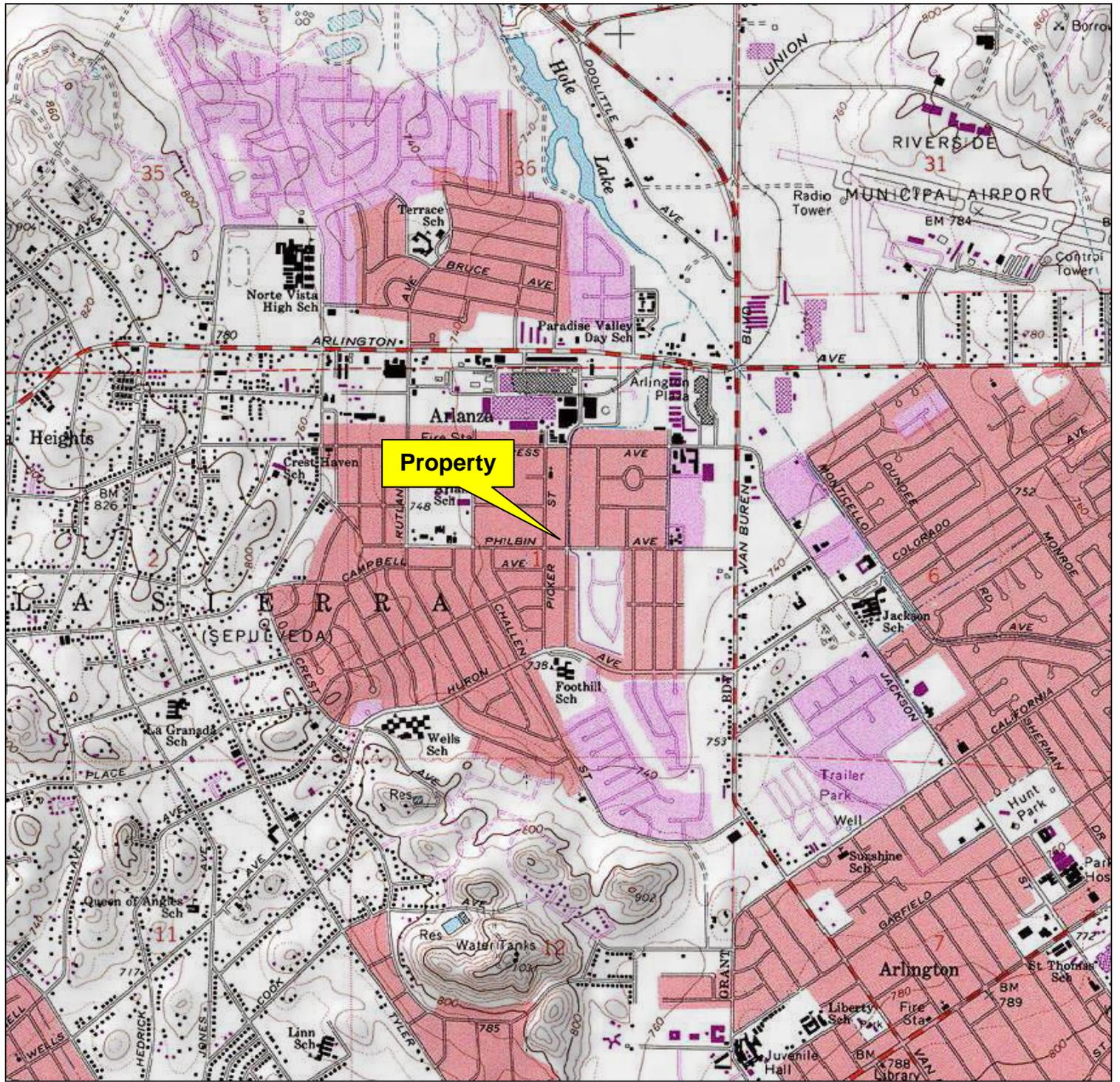
Appendix B – Analytical Report and Chain of Custody Documentation

Dist: 4/Addressee (3 bound, 1 unbound)

AF/MVF/mjr



Figures and Table



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

Site Location Map

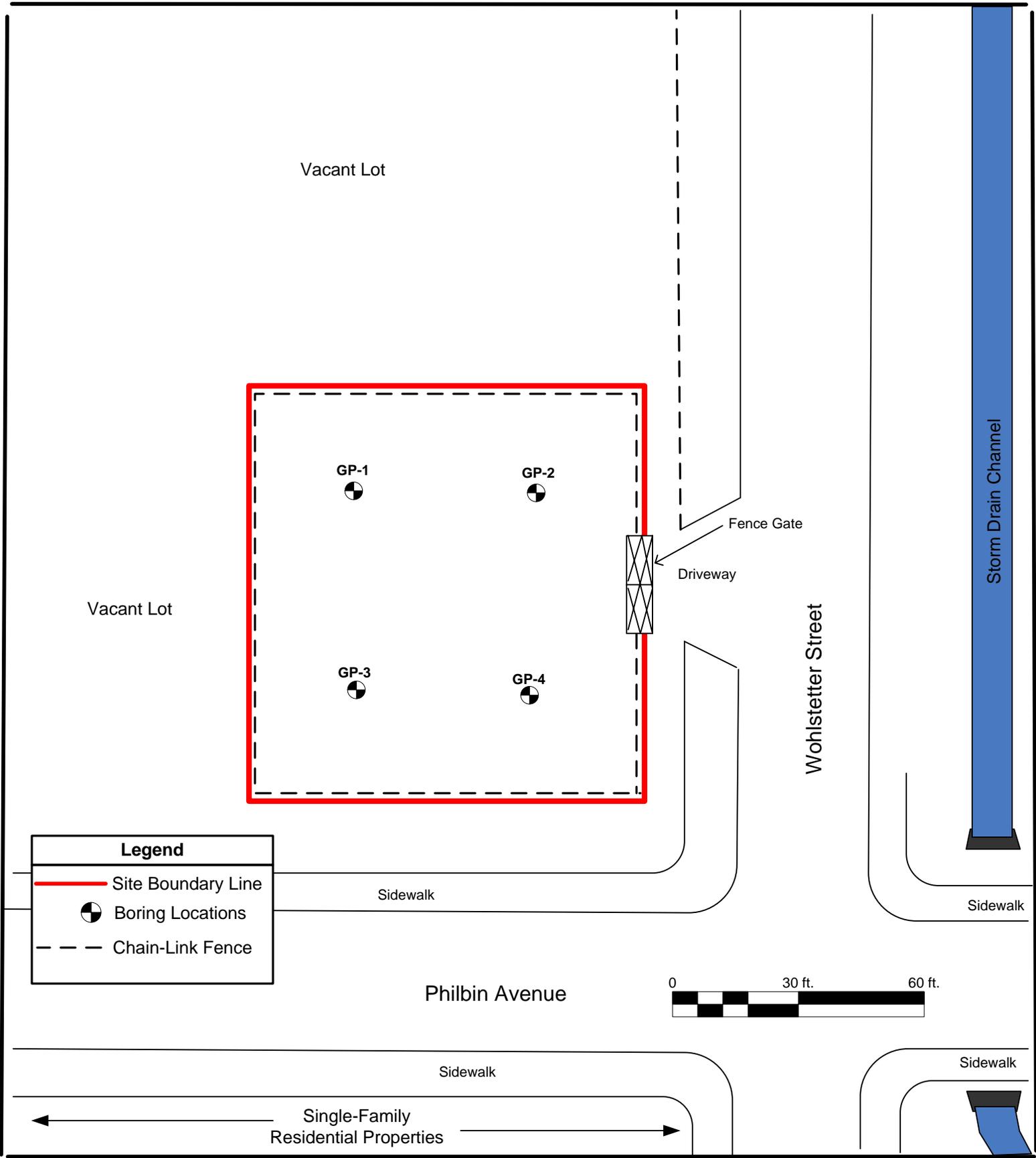


City of Riverside
 Former Anza Electrical Substation
 NWC of Philbin Avenue and Wohlstetter Street, Riverside, CA

Project No:
 06-16-179-02



Converse Consultants



Boring Location Map

City of Riverside
 Former Anza Electrical Substation
 NWC of Philbin Avenue And Wohlstetter Street, Riverside, CA

Project No
 06-16-179-02

Table 1
Summary Analytical Results for PCBs and TPH-cc
Anza Substation
Riverside CA

Constituent		PCBs	Total Petroleum Hydrocarbons-Carbon Chain (TPH-cc)		
		Total PCBs mg/kg	C4-C10 (Gasoline) mg/kg	C11-C22 (Diesel) mg/kg	C23-C35 (Motor Oil) mg/kg
Sample ID	Date	Results			
GP-1at 2'	10/19/2007	ND	ND	ND	ND
GP-1at 5'	10/19/2007	ND	ND	ND	ND
GP-2 at 2'	10/19/2007	ND	ND	ND	59
GP-2 at 5'	10/19/2007	ND	ND	ND	ND
GP-3 at 2'	10/19/2007	ND	ND	39.6	118
GP-3 at 5'	10/19/2007	ND	ND	ND	ND
GP-4 at 2'	10/19/2007	ND	ND	ND	ND
GP-4 at 5'	10/19/2007	ND	ND	ND	ND
		Regulatory Values			
PRG-r		3.9	NA	NA	NA
MSSLs		NA	100*	100*	1000*

PCBs= Polychlorinated Biphenyls

mg/kg = Milligrams per Kilograms

PQL = Practical Quantitation Limit

ND = Not Detected at or above PQL

PRG-r = Preliminary Remediation Goals for Residential Soils

MSSLs = Maximum Soil Screening Levels

* = MSSLs for soils less than 20 feet above groundwater

Boring Logs

Appendix A

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS <small>(LITTLE OR NO FINES)</small>		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS <small>(LITTLE OR NO FINES)</small>		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50			ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50			MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

BORING LOG SYMBOLS

SAMPLE TYPE

	STANDARD PENETRATION TEST Split barrel sampler in accordance with ASTM D-1586-84 Standard Test Method
	DRIVE SAMPLE 2.42" I.D. sampler.
	DRIVE SAMPLE No recovery
	BULK SAMPLE
	GROUNDWATER WHILE DRILLING
	GROUNDWATER AFTER DRILLING

LABORATORY TESTING ABBREVIATIONS

TEST TYPE	STRENGTH
(Results shown in Appendix B)	Pocket Penetrometer p
	Direct Shear ds
	Direct Shear (single point) ds*
	Unconfined Compression uc
	Triaxial Compression tx
	Vane Shear vs
CLASSIFICATION	
Plasticity pi	Consolidation c
Grain Size Analysis ma	Collapse Test col
Passing No. 200 Sieve wa	Resistance (R) Value r
Sand Equivalent se	Chemical Analysis ca
Expansion Index ei	Electrical Resistivity er
Compaction Curve max	Permeability perm
Hydrometer h	
Disturb Dist.	

UNIFIED SOIL CLASSIFICATION AND KEY TO BORING LOG SYMBOLS



Converse Consultants

ANZA SUBSTATION
Riverside, California
For: City of Riverside

Project No.
06-16-179-02

Drawing No.
A - 1

Log of Boring No. GP - 1

Dates Drilled: 10/19/2007 Logged by: DWK Checked By: GT

Equipment: GEOPROBE Driving Weight and Drop: N/A

Ground Surface Elevation (ft): N/A Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	<p style="text-align: center;">SUMMARY OF SUBSURFACE CONDITIONS</p> <p style="font-size: small;">This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.</p>	SAMPLES		TIME	MOISTURE	DRY UNIT WT. (pcf)	PID (ppm)
			DRIVE	BULK				
	2" ASPHALT		■					
	SILTY SAND (SM): light brown, very fine grained, some gravel.		■		9:20		0.0	
5	SILTY SAND (SM): brown, moist, fine grained, trace clay.		■		9:22		0.0	
10	CLAYEY SAND (SC): brown, fine sand.		■		9:24		0.0	
	<p>End of boring at 10.0 feet. Groundwater not encountered during drilling. Boring backfilled with bentonite on 10-19-07.</p>							
15								
20								
25								
30								



Converse Consultants

ANZA SUBSTATION
Riverside, California
For: City of Riverside

Project No.
06-16-179-02

Drawing No.
A - 2

Log of Boring No. GP - 2

Dates Drilled: 10/19/2007 Logged by: DWK Checked By: GT

Equipment: GEOPROBE Driving Weight and Drop: N/A

Ground Surface Elevation (ft): N/A Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	<p style="text-align: center;">SUMMARY OF SUBSURFACE CONDITIONS</p> <p style="font-size: small;">This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.</p>	SAMPLES		TIME	MOISTURE	DRY UNIT WT. (pcf)	PID (ppm)
			DRIVE	BULK				
	2" ASPHALT		■					
5	SILTY SAND (SM): light brown, very fine to fine, trace gravel.		■		9:27		0.0	
5	SILTY SAND (SM): brown, moist, fine to medium grained, trace clay.		■		9:28		0.0	
10	SILTY CLAY (CL): brown, moist, some sand.		■		9:30		0.0	
15	<p>End of boring at 10.0 feet. Groundwater not encountered during drilling. Boring backfilled with bentonite on 10-19-07.</p>							
20								
25								
30								



Converse Consultants

ANZA SUBSTATION
Riverside, California
For: City of Riverside

Project No.
06-16-179-02

Drawing No.
A - 3

Log of Boring No. GP - 3

Dates Drilled: 10/19/2007 Logged by: DWK Checked By: GT

Equipment: GEOPROBE Driving Weight and Drop: N/A

Ground Surface Elevation (ft): N/A Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES		TIME	MOISTURE	DRY UNIT WT. (pcf)	PID (ppm)
			DRIVE	BULK				
5		SANDY SILT (ML): dark brown, moist, very fine to fine sand, some clay.	█		9:05			0.0
10		SANDY SILT (ML): brown, moist, very fine to fine, trace clay.	█		9:10			0.0
10		SANDY CLAY (CL): brown, slightly moist, fine to medium grained, some silt. End of boring at 10.0 feet. Groundwater not encountered during drilling. Boring backfilled with bentonite on 10-19-07.	█		9:15			0.0
15								
20								
25								
30								



Converse Consultants

ANZA SUBSTATION
 Riverside, California
 For: City of Riverside

Project No.
06-16-179-02

Drawing No.
A - 4

Log of Boring No. GP - 4

Dates Drilled: 10/19/2007 Logged by: DWK Checked By: GT

Equipment: GEOPROBE Driving Weight and Drop: N/A

Ground Surface Elevation (ft): N/A Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES		TIME	MOISTURE	DRY UNIT WT. (pcf)	PID (ppm)
			DRIVE	BULK				
5	[Dotted pattern]	SILTY SAND (SM): brown, slightly moist, very fine to fine.	█		9:35			0.0
10	[Dotted pattern]	SILTY SAND (SM): olive brown, slightly moist, very fine to fine. SANDY SILT (ML): brown, moist.	█		9:40			0.0
15		SANDY SILT (ML): brown, moist.	█		9:45			0.0
20		End of boring at 10.0 feet. Groundwater not encountered during drilling. Boring backfilled with bentonite on 10-19-07.						
25								
30								



Converse Consultants

ANZA SUBSTATION
 Riverside, California
 For: City of Riverside

Project No.
06-16-179-02

Drawing No.
A - 5

**Analytical Report and
Chain of Custody
Documentation**

Appendix B

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: October 24, 2007

Mr. Alex Fernandez
Converse Consultants
10391 Corporate Drive
Redlands, CA 92734
Tel(909)796-0544 Fax(909)796-7675

Project: **Anza Substation**
Project No.: **06-16-179-02**
Lab I.D.: **071019-77 through -88**

Dear Mr. Fernandez:

The **analytical results** for the soil samples, received by our laboratory on October 19, 2007, are attached. All samples were received chilled, intact, with custody seal and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,



Curtis Desilets
Vice President/Program Manager



Jesse Tu, Ph.D.
Laboratory Manager

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Converse Consultants
10391 Corporate Drive, Redlands, CA 92734
Tel(909)796-0544 Fax(909)796-7675

PROJECT NAME: Anza Substation PROJECT NO.: 06-16-179-02
DATE RECEIVED: 10/19/07
DATE EXTRACTED: 10/22/07
DATE ANALYZED: 10/23/07
DATE REPORTED: 10/24/07

TOTAL PETROLEUM HYDROCARBONS (TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

Table with 6 columns: SAMPLE I.D., LAB I.D., C4-C10, C11-C22, C23-C35, DF. Rows include GP1@2', GP1@5', GP2@2', GP2@5', GP3@2', GP3@5', GP4@2', GP4@5', METHOD BLANK, and PQL values.

COMMENTS

C4-C10 = GASOLINE RANGE
C11-C22 = DIESEL RANGE
C23-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = PEAKS IN DIESEL RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF DIESEL STANDARD

Data Reviewed and Approved by: [Signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B Soil/Solid QC

Date Analyzed: 10/23/2007

Units: mg/Kg (PPM)

Matrix: **Solid/Sludge**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **071019-76 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	2500	2524	101%	2534	101%	0%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	178	89%	75-125

Analyzed and Reviewed By: 

Final Reviewer: 

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Converse Consultants
10391 Corporate Drive, Redlands, CA 92734
Tel(909)796-0544 Fax(909)796-7675

PROJECT NAME: Anza Substation PROJECT NO.: 06-16-179-02
DATE RECEIVED: 10/19/07
MATRIX: SOIL DATE EXTRACTED: 10/22/07
DATE SAMPLED: 10/19/07 DATE ANALYZED: 10/23/07
REPORT TO: Mr. ALEX FERNANDEZ DATE REPORTED: 10/24/07

PCBs ANALYSIS
METHOD: EPA 8082

UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

Table with columns: SAMPLE I.D., LAB I.D., PCB-1016, PCB-1221, PCB-1232, PCB-1242, PCB-1248, PCB-1254, PCB-1260, TOTAL PCBs*, DF. Rows include GP1@2', GP1@5', GP2@2', GP2@5', GP3@2', GP3@5', GP4@2', GP4@5', and Method Blank.

PQL 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01

COMMENTS

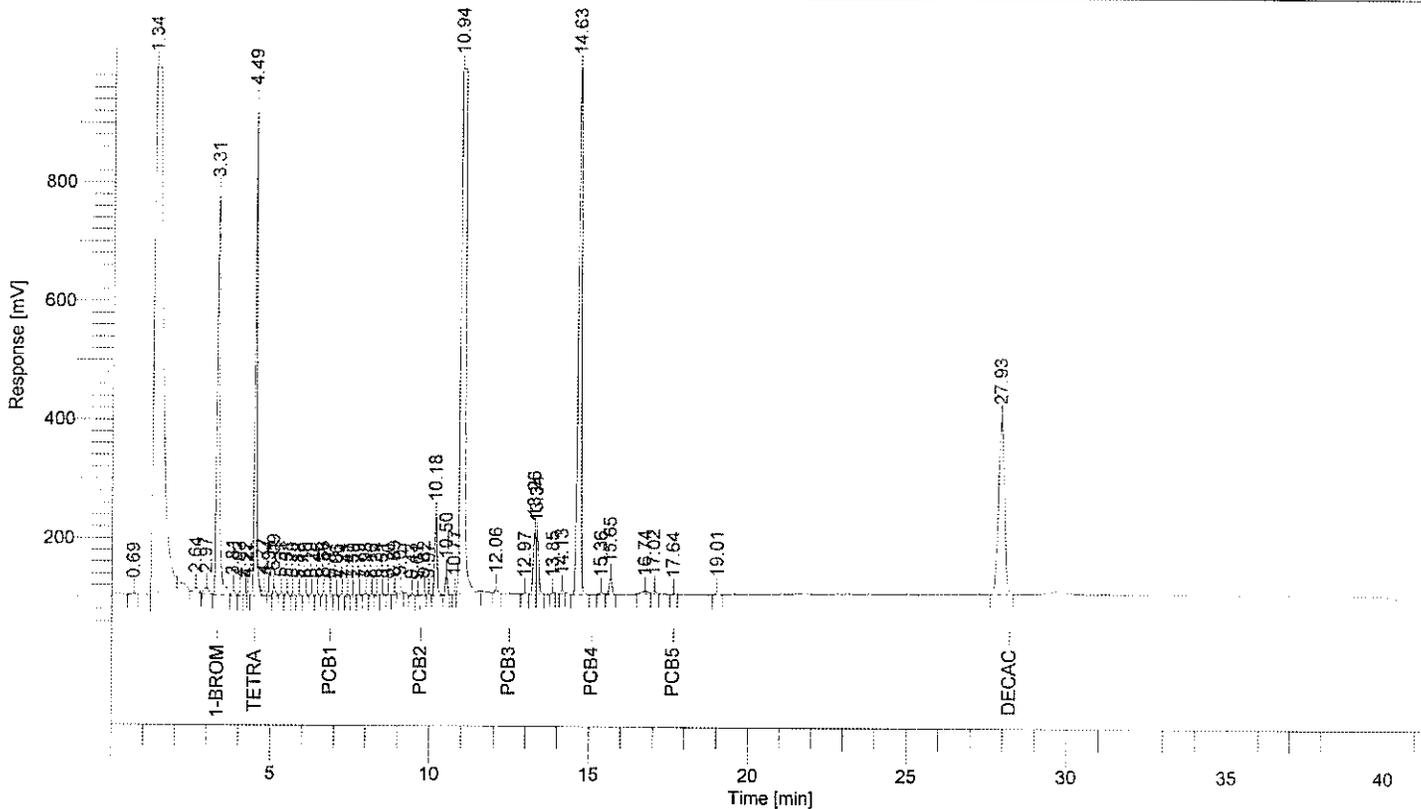
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
^ = Actual detection limit raised due to matrix interference

Data Reviewed and Approved by: [Signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.1.0504
 Sample Name : 071019-77 20/20
 Instrument Name : GC-E
 Rack/Vial : 0/5
 Sample Amount : 1.000000
 Cycle : 6

Date : 10/23/2007 9:53:42 AM
 Data Acquisition Time : 10/22/2007 1:14:00 PM
 Channel : A
 Operator : manager
 Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\071022\A006.rst
 Sequence File : D:\GC DATA\GC-E\071022\E071022.seq



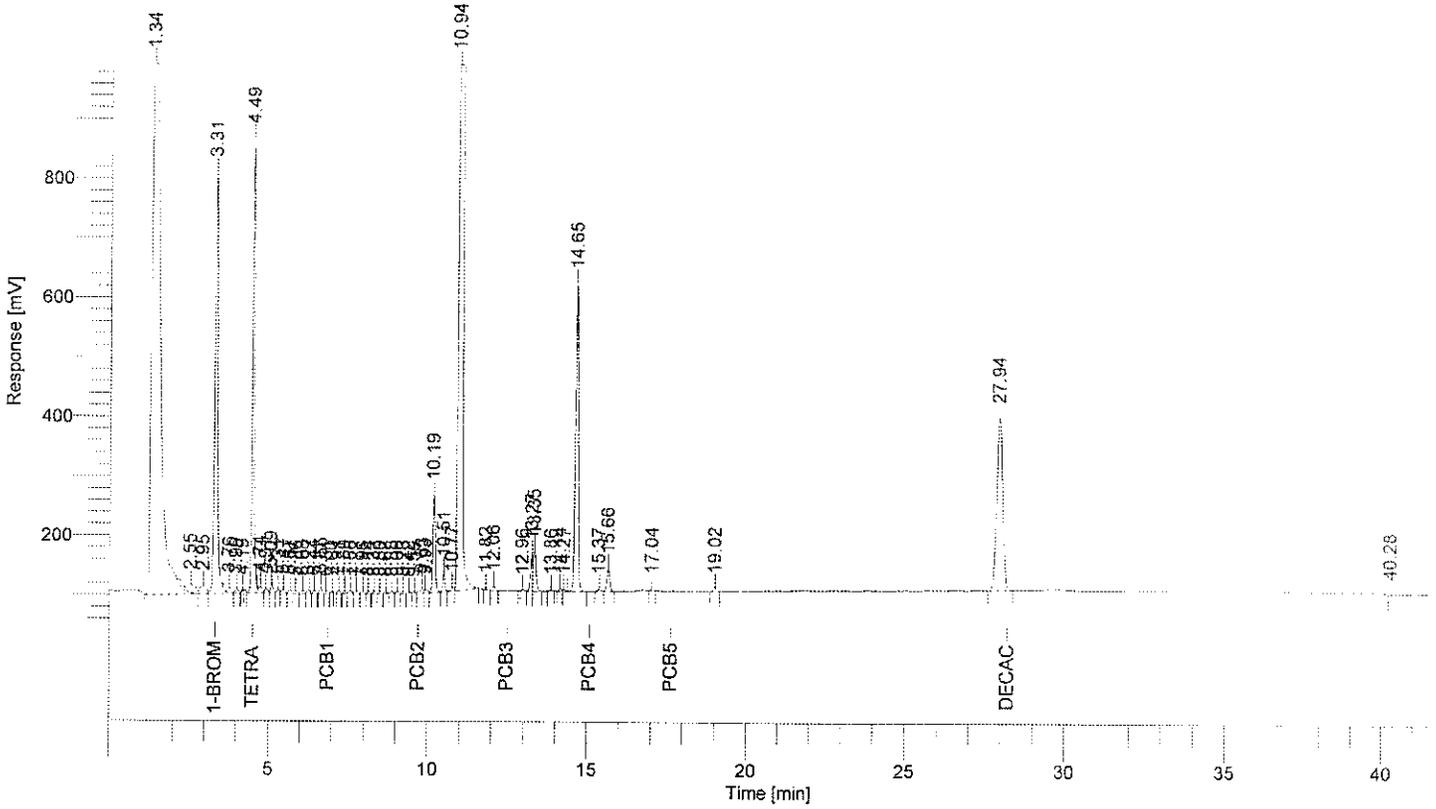
PCB Results

Peak #	Component Name	Time [min]	Area [$\mu\text{V}\cdot\text{sec}$]	Height [μV]	Adjusted Amount
5	1-Bromo-2-Nitrobenzene	3.31	4365089.68	676893.13	-----
10	Tetra chloro-meta-xylene	4.49	3468011.70	827474.55	94.546
	PCB (1016+1260)	9.82	112838.82	17357.78	0.012
56	Decachlorobiphenyl	27.93	3820710.63	293771.17	90.318
			11766650.83	1815496.63	184.876

Software Version : 6.3.1.0504
 Sample Name : 071019-80 20/20
 Instrument Name : GC-E
 Rack/Vial : 0/6
 Sample Amount : 1.000000
 Cycle : 7

Date : 10/23/2007 9:53:51 AM
 Data Acquisition Time : 10/22/2007 1:58:23 PM
 Channel : A
 Operator : manager
 Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\071022\A007.rst
 Sequence File : D:\GC DATA\GC-E\071022\071022.seq



PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Adjusted Amount
4	1-Bromo-2-Nitrobenzene	3.31	4439109.92	708308.72	
8	Tetra chloro-meta-xylene	4.49	3305231.93	756462.70	88.606
	PCB (1016+1260)	9.83	101051.20	14698.85	0.010
55	Decachlorobiphenyl	27.94	3762588.58	289731.86	87.461
			11607981.63	1769202.13	176.077

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766

Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: Soil/Solid

Date Analyzed: 10/22/2007

Unit: mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 071019-87 MS/MSD

Analyte	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	1.00	1.01	101%	1.02	102%	1%	0-20%	70-130

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.106	106%	75-125

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: AW

Final Reviewer: [Signature]

