California
geologists & engineers
Environmental

SUBSURFACE ASSESSMENT
FIELD GEOPHYSICS AND SOIL SAMPLING
Undeveloped Property
APNs 3153-025-018 and -019
40th Street West and Avenue K
Lancaster, California 93534

FOR

ROYAL INVESTORS GROUP, LLC
10100 Santa Monica Boulevard, Suite 2080
Los Angeles, California 90067

Attention: Mr. Ebby Shakib

CE Job No. EV1004-2625 July 2005

2625.PHIIR02

1161 Calle Suerte, Suite G, Camarillo, CA (805) 445-7117 (805) 445-8599 (fax) State Contractor's Lic. #A732377

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INTRODUCTION

The following report presents the findings of the Subsurface Investigation conducted for the subject site. California Environmental prepared a Phase I Assessment report for the property, dated November 2004 (revised in July 2005). That Phase I report identified a recognized environmental condition in connection with the property. The property (Parcel 19) was developed with a residence and farm structures in 1952 and 1968. The remainder of the property was utilized for row crops. The property was undeveloped in 1989 through 2002. The Phase I report recommended soil sampling and a geophysical survey to evaluate for pesticide residue in soil and for buried tanks. The independent conclusions represent California Environmental's professional judgment based on the findings of this report. This report includes **GENERAL FINDINGS** and **CONCLUSIONS AND RECOMMENDATIONS**, which together with the remainder of this report are subject to the **NOTICE** at the end of the report.

The scope of work included:

- Notification of Underground Service Alert to mark utility locations.
- Conducting a geophysical survey across the property (Parcel 19).
- Excavation and obtaining soil samples.
- Analysis of soil samples at a state certified laboratory.
- Preparation of this report.

SITE DESCRIPTION

LOCATION AND LEGAL DESCRIPTION

The subject property is located on the northwest corner of 40th Street West and Avenue K, Lancaster, California, see **VICINITY MAP**. According to the Los Angeles County Tax Assessor's office, there are no current street addresses associated with the subject property. The Assessor's Parcel Numbers (APNs) for the subject property are 3153-025-018 and -019.

Description of Property

The subject property consists of two adjoining rectangular shaped parcels of land that encompasses approximately 28.13 acres, see **PLOT PLAN**. The site is undeveloped. Access to the site is via the adjacent streets.

PREVIOUS WORK

California Environmental prepared a *Revised Phase I Environmental Site Assessment* for the subject property (approximately 28.13 acres) located on the northwest corner of 40th Street West and Avenue K, Lancaster, California, dated July 2005. Historical site utilization research indicates that the property was undeveloped in 1917. The southeastern portion of the property was developed with a residence and farm structures in 1952 and 1968. The remainder of the property was utilized for row crops. The property was undeveloped in 1989 through 2005. The subject property was not listed on the standard government databases researched. There were no underground storage tank files, or industrial records maintained at the County of Los Angeles Public Works Department. No evidence of use, storage, disposal or generation of hazardous substances was observed onsite during the site reconnaissance. There are no listed environmental risk and/or contaminated sites located within a one-quarter mile radius of the subject property. The Phase I report identified the potential for agricultural properties to have utilized underground storage tanks that were not permitted with the local regulatory agencies. Additionally, the presence of former barns and other farm structures typically warranted a subsurface site assessment in order to evaluate areas where pesticide mixing and blending may have occurred. The presence of the former structures on Parcel 19 suggested the potential for onsite storage and mixing of pesticides. Therefore, testing of soil and a geophysical survey were recommended.

HYDROGEOLOGY

The subject property is located within the Antelope Valley Groundwater Basin. The basin in this area is bound on the northwest by the Tehachapi Mountains and on the southwest by the San Gabriel Mountains. The east boundary is a series of granite hills and buttes near the San Bernardino County line. The site is located within the Lancaster subunit of the Antelope Valley Basin. The subunit consists of two major groundwater bodies, the principal and deep aquifer. The two aquifers are separated by clay deposits that underlie the principal aquifer. The direction of the groundwater gradient is north-northeast.

The Los Angeles County Department of Public Works Hydrological Records Division maintains well information for the County of Los Angeles. The nearest well to the subject property is well no 9882B, located north of Avenue K between 50th Street West and 45th Street West, approximately 1,000 feet to the southwest. The well was last measured on March 1, 2004. The depth to groundwater at the time was 193.8 feet bgs. The ground surface elevation was measured at 2,373 feet.

The EDR Geocheck database indicates that eleven groundwater wells are located within one-eighth of a mile from the subject property. During the site reconnaissance, two groundwater wells were observed onsite near the northwestern and southwestern corners of the property. The Geocheck Physical Setting Map depicts a groundwater production well located near the southwestern corner of the property. The total depth of the well is 300 feet bgs. The depth to groundwater was reported at 210 feet bgs. A well is located on an adjacent parcel located on the western portion of the property, see **PLOT PLAN**.

SUBSURFACE ASSESSMENT

California Environmental recommended a subsurface assessment in order to evaluate for potential pesticides in soil. A geophysical survey was implemented to evaluate for the presence of underground storage tanks.

GEOPHYSICAL SURVEY

A geophysical survey was conducted onsite by Spectrum Geophysics under the direction of California Environmental during the week of June 21 through June 24, 2005. The purpose of the geophysical survey was to delineate the area of potential underground tanks and to clear utilities. Ground penetrating radar and metal detecting equipment were utilized to survey the subsurface in the area (600 ft. long by 330 ft. wide) of the former agricultural related structures (Parcel 19) beneath the southeast portion of the property. The extent of the geophysical survey is shown on the attached **PLOT PLAN.** The field data report and field drawing by Spectrum are enclosed in **APPENDIX II**.

Magnetic anomalies interpreted as surficial metal debris, concrete slabs, a pipe, and utility conduits were identified beneath the surveyed area. Surficial metallic anomalies and magnetic anomalies were found along the central and southern portions of the property as shown on the attached **Spectrum Field Drawings**. No anomalies suggestive of underground tanks were found.

SOIL SAMPLING

Eleven hand auger testholes were excavated onsite in July 1, 2005 by California Environmental. The testholes extended to depths of two feet below the ground surface. Individual soil samples were obtained from the testholes at intervals of approximately six inches and two feet below ground surface.

Soil sampling was performed using a hand auger. The soil samples were retained in laboratory supplied four ounce glass jars. The soil samples were labeled and placed on ice for transport to a state certified laboratory. The soil samples were analyzed for pesticides per EPA Method 8081A.

Soil samples from eleven testholes were analyzed for pesticides per EPA Method 8081A. Laboratory analysis found low levels of pesticides (chlordane, DDT and DDE) residue in five of the twenty-two samples; chlordane (up to 23µg/Kg), 4,4-DDE (up to 6.8 µg/Kg) and 4, 4-DDT (up to 3.5 µg/Kg). The remaining analytes were nondetect. The results of the analytical testing are present in **TABLE I**. The complete analytical test report is attached in **APPENDIX I**. Soil sampling protocols are attached in **APPENDIX III**.

TABLE I
Laboratory Analysis of Soil Samples-Pesticides

Sample I.D.	EPA Method 8081A - µg/Kg					
	Alpha chlordane	**Gamma chlordane**	**4,4-DDD**	**4,4-DDE**	**4,4-DDT**	**All other analytes**
HA1 @ 6 in.	ND	ND	ND	ND	ND	ND
HA1 @ 2 ft.	ND	ND	ND	ND	ND	ND
HA2 @ 6 in.	ND	ND	ND	ND	ND	ND
HA2 @ 2 ft.	ND	ND	ND	ND	ND	ND
HA3 @ 6 in.	ND	ND	ND	ND	ND	ND
HA3 @ 2 ft.	ND	ND	ND	ND	ND	ND
HA4 @ 6 in.	**1.8**	**2.2**	ND	ND	ND	ND
HA4 @ 2 ft.	**8.2**	**10**	ND	**3.7**	**2.3**	ND
HA5 @ 6 in.	**19**	**23**	ND	**2.7**	ND	ND
HA5 @ 2 ft.	ND	ND	ND	ND	ND	ND
HA6 @ 6 in.	ND	ND	ND	ND	ND	ND
HA6 @ 2 ft.	ND	ND	ND	ND	ND	ND
HA7 @ 6 in.	ND	ND	ND	**2.9**	**2.1**	ND
HA7 @ 2 ft.	ND	ND	ND	ND	ND	ND
HA8 @ 6 in.	ND	ND	ND	ND	ND	ND
HA8 @ 2 ft.	ND	ND	ND	ND	ND	ND
HA9@ 6 in.	ND	ND	ND	ND	ND	ND
HA9 @ 2 ft.	ND	ND	ND	ND	ND	ND
HA10 @ 6 in.	ND	ND	ND	**6.8**	**3.5**	ND
HA10 @ 2 ft.	ND	ND	ND	ND	ND	ND
HA11 @ 6 in.	ND	ND	ND	ND	ND	ND
HA11 @ 2 ft.	ND	ND	ND	ND	ND	ND

ND = Non Detect

GENERAL FINDINGS

During the subsurface testing at the property, the following findings were made:

- A geophysical survey was conducted across the southeastern portion (Parcel 19) of the property. Areas of shallow metal debris, pipes, slabs, and conduits were identified beneath the central and southern portions of the surveyed property. No anomalies suggestive of underground tanks were found.

- Eleven hand augered testholes were excavated onsite by California Environmental. The testholes extended to depths of two feet below the ground surface. The testholes were excavated in the areas of the former agricultural related structure and residence.

- Low levels of residual organochlorine pesticides were found in soil onsite. The residual pesticide compounds detected in soil include: chlordane, DDT and a breakdown product DDE. The concentrations detected onsite are well below the CALEPA California Human Health Screening Levels (CHHSL's) for residential soil (CHHSL's-chlordane=430 ug/Kg, DDT=1,600 ug/Kg, and CHHSL's-DDE=1,600 ug/Kg).

CONCLUSIONS AND RECOMMENDATIONS

The subsurface assessment work implemented as part of this study found magnetic anomalies indicative of surficial metal debris, concrete slabs with metal pipes (up to 75 ft. wide by 160 ft. wide), and utility conduits beneath the surveyed area. The identified magnetic anomalies should be investigated prior to grading. No anomalies indicative of underground tanks were found. Prior to inception of grading activities, the anomalies should be evaluated with the use of a test pits excavated by a backhoe.

Soil samples from eleven testholes were also analyzed for pesticides. Laboratory analysis found low levels of chlordane (up to 23 ug/Kg), 4, 4-DDE (up to 6.8 µg/Kg) and 4, 4-DDT (up to 3.5 µg/Kg) in five of the twenty-two samples. The remaining analytes were nondetect. Concentrations of chlordane, DDT, and DDE exceeding current cleanup standards were **not** found. Additional soil sampling is not recommended.

This report is subject to the following **NOTICE**:

NOTICE

All properties are subject to some element of environmental risk and the risk cannot be eliminated. Industrial and commercial properties developed prior to modern environmental laws are especially risk prone to environmental hazards which include, but are not limited to, wastes which may be toxic, ignitable, corrosive or reactive. The potential for these environmental hazards to impact the use of the property can be reduced by the identification and mitigation of the hazards prior to development or redevelopment of the property. Due to the difficulty in locating underground wastes, in some cases it is not always possible to ascertain that hazardous wastes are present on the property prior to development.

The subsurface conditions described herein have been ascertained from excavations on the site as indicated, and should in no way be construed to reflect variations which may occur between or beyond these excavations. The chemical laboratory testing described herein was performed by a state certified testing laboratory. The state certified testing laboratory assumes responsibility for the testing procedures used in their analysis.

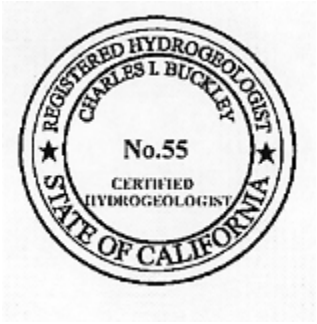
This report was prepared with the skill and competence as commonly used by environmental professionals in this area. No warranty, expressed or implied, of any kind is made or intended in connection with this report, or by the fact you are being furnished this report, or by any other oral or written statement.

Should you have any questions or desire any additional information, please contact the undersigned.

Respectfully Submitted,

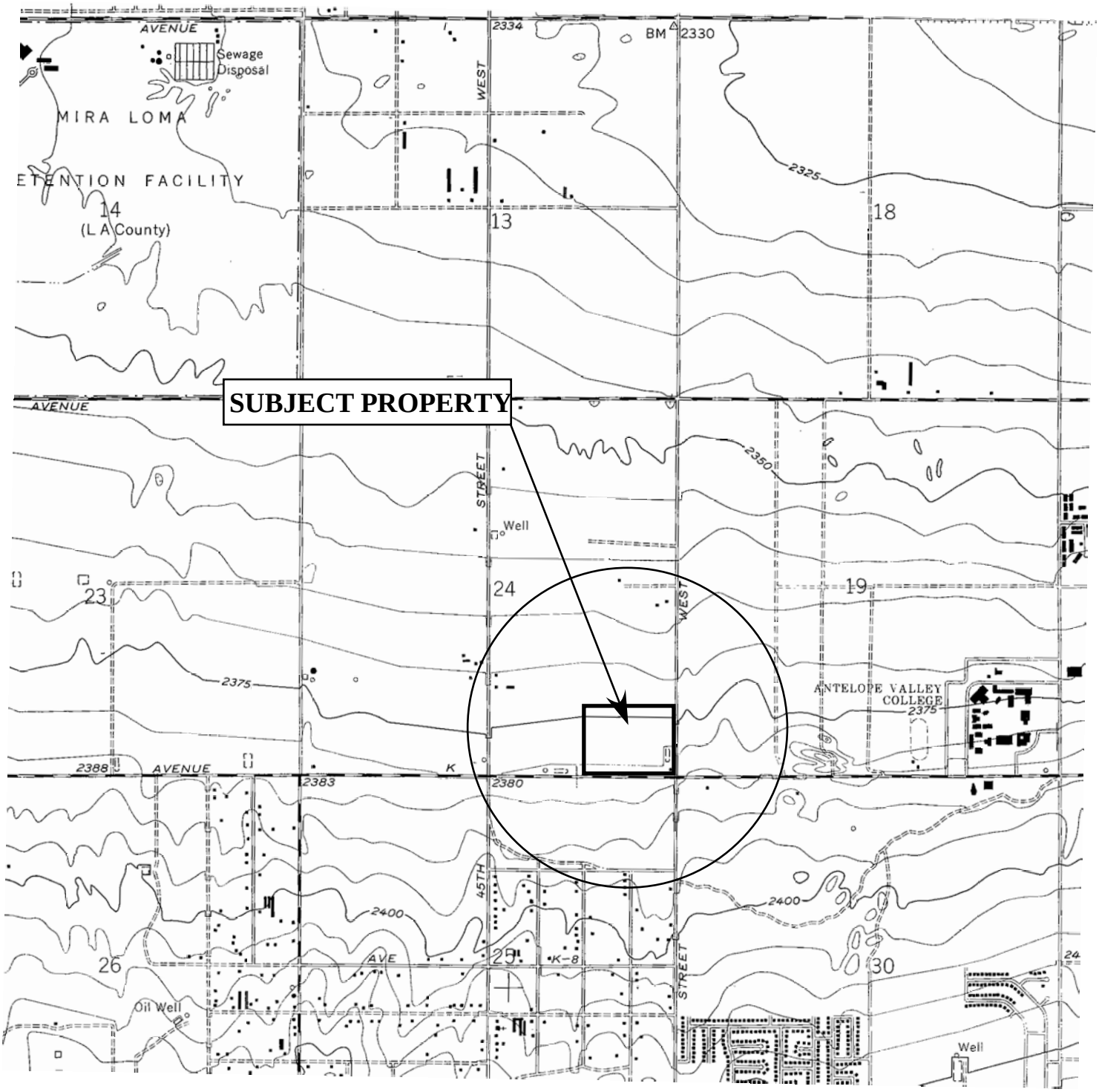
Charles I. Buckley
Certified Hydrogeologist No. 55
Registered Environmental Assessor II No. 20116

Christopher E. Rude
Environmental Scientist



ILLUSTRATIONS

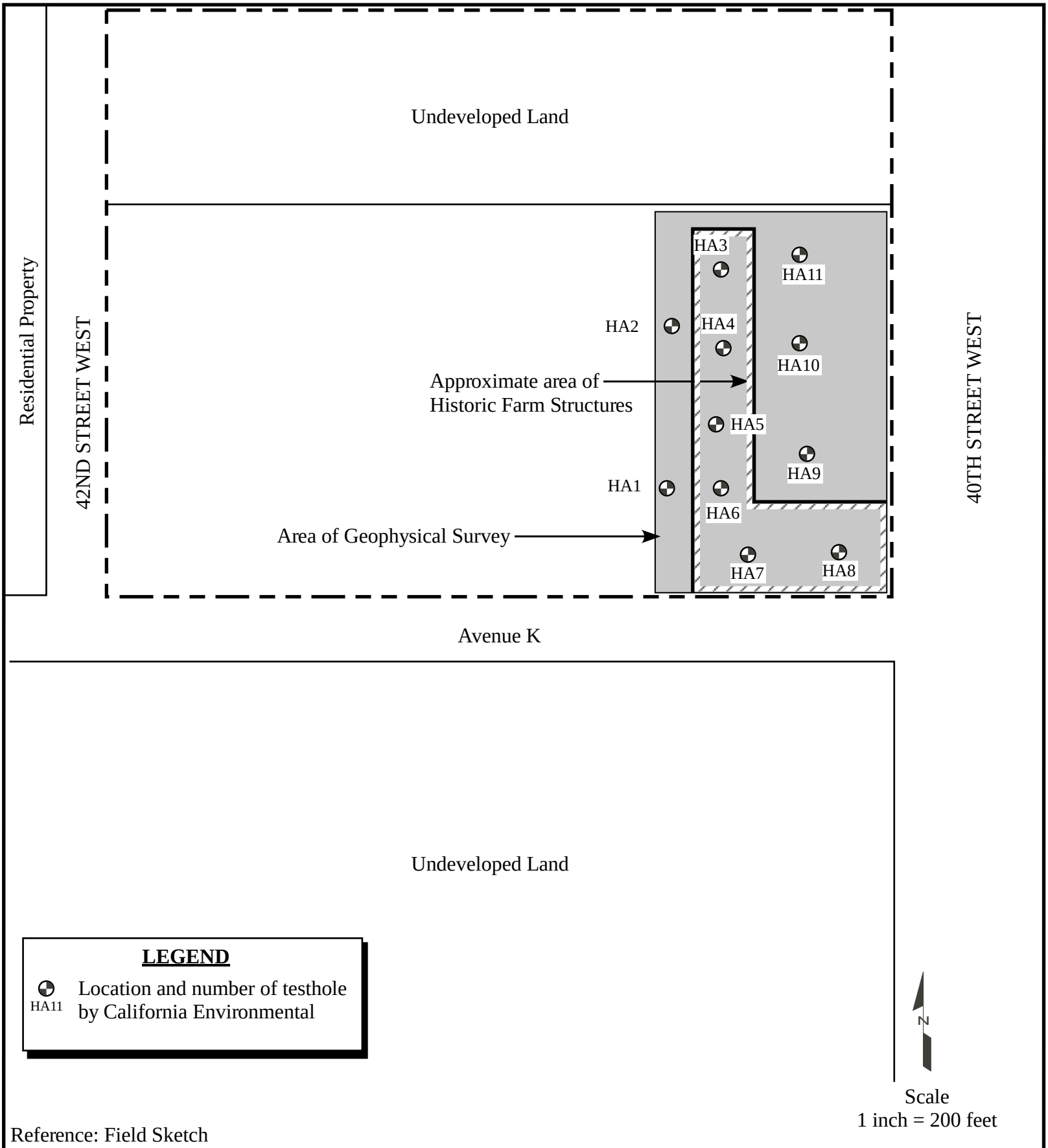
Vicinity Map
Plot Plan



Scale
1 inch = 2,000 feet

Reference: USGS 7.5' Lancaster West Topographic Quadrangle, 1958 (photorevised 1974)

CE	**VICINITY MAP** 40th Street West and Avenue K Lancaster, California	California Environmental
Drawn By: CGL	**Job #** EV1004-2625	
Checked By: CIB	**Date:** JULY 2005	



Reference: Field Sketch

PLOT PLAN
40th Street West and Avenue K
Lancaster, California

Drawn By:	Job #
CGL	EV1004-2625
Checked By:	**Date:**
CIB	JULY 2005

California Environmental

2625 Plot Plan

APPENDIX I

Chemical Laboratory Test Reports and Chain of Custody Records

6925 Canoga Avenue Canoga Park, California 91303 (818) 587-5550 ph (818) 587-5555 fax

Columbia Analytical Services, Inc.
An Employee - Owned Company

July 12, 2005

Charles Buckley
California Environmental
1161 Calle Suerte, Suite G
Camarillo, CA 93012

RE: 40th Street West & Ave. K/Project #2625

Dear Charles:

Enclosed are the results of the samples submitted to our laboratory on July 1, 2004. For your reference, these analyses have been assigned our service request number L0501107.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report. Your report contains 36 pages.

Columbia Analytical Services is certified for environmental analyses by the California Department of Health Services (certificate number: 1296A); NELAP (certificate number: 02115CA); Los Angeles County Laboratory ID (No. 10151); and Arizona Department of Health Services (License number: AZ0136 and AZ0544).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL (PQL).
J	Estimated concentration. Analyte detected above MDL but below MRL (PQL).
B	Hit above MRL (PQL) also found in Method Blank.
E	Analyte concentration above high point of ICAL.
D	Result from dilution.
X	See case narrative.

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	California Environmental	**Service Request No.:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Received:**	7/1/05
Sample Matrix:	Soil		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory/Duplicate Laboratory Control Sample (LCS/DLCS).

Sample Receipt

The samples were received for analysis at Columbia Analytical Services on 7/1/05. No discrepancies were noted upon initial sample inspection. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored at 4°C upon receipt at the laboratory.

Organochlorine Pesticides by EPA Method 8081A

Samples HA8 @ 6" (L0501107-015) and HA8 @ 2' (L0501107-016) required dilution due to the dark coloration of the sample extracts. The reporting limits have been adjusted to reflect the dilutions.

The analysis of Chlorinated Pesticides by EPA 8081A requires the use of dual column confirmation. When the Continuing Calibration Verification (CCV) criteria are met for both columns, the higher of the two sample results is generally reported. The primary evaluation criteria were not met for p,p-DDT and p,p'-DDE on the DB-35MS column.. The p,p-DDT found in sample HA7 @ 6" (L0501107-013) has been reported from the DB-XLB column with a %D of 15.1% (method criteria is 15%) because the reanalysis (with an acceptable RSD) confirmed the original result. The p,p-DDT found in sample HA10 @ 6" (L0501107-019) was reanalyzed due to failed Continuing Calibration Verification on both columns, which yielded a low bias. The reanalysis was acceptable and has been reported.

Approved by _____ **Date** 7/12/05

Client: California Environmental
Project: 40th Street West & Ave. K/2625

Service Request: L0501107

Cover Page - Organic Analysis Data Package
Organochlorine Pesticides

Sample Name	Lab Code	Date Collected	Date Received
HA1 @ 6"	L0501107-001	07/01/2005	07/01/2005
HA1 @ 2'	L0501107-002	07/01/2005	07/01/2005
HA2 @ 6"	L0501107-003	07/01/2005	07/01/2005
HA2 @ 2'	L0501107-004	07/01/2005	07/01/2005
HA3 @ 6"	L0501107-005	07/01/2005	07/01/2005
HA3 @ 2'	L0501107-006	07/01/2005	07/01/2005
HA4 @ 6"	L0501107-007	07/01/2005	07/01/2005
HA4 @ 2'	L0501107-008	07/01/2005	07/01/2005
HA5 @ 6"	L0501107-009	07/01/2005	07/01/2005
HA5 @ 2'	L0501107-010	07/01/2005	07/01/2005
HA6 @ 6"	L0501107-011	07/01/2005	07/01/2005
HA6 @ 2'	L0501107-012	07/01/2005	07/01/2005
HA7 @ 6"	L0501107-013	07/01/2005	07/01/2005
HA7 @ 2'	L0501107-014	07/01/2005	07/01/2005
HA8 @ 6"	L0501107-015	07/01/2005	07/01/2005
HA8 @ 2'	L0501107-016	07/01/2005	07/01/2005
HA9 @ 6"	L0501107-017	07/01/2005	07/01/2005
HA9 @ 2'	L0501107-018	07/01/2005	07/01/2005
HA10 @ 6"	L0501107-019	07/01/2005	07/01/2005
HA10 @ 2'	L0501107-020	07/01/2005	07/01/2005
HA11 @ 6"	L0501107-021	07/01/2005	07/01/2005
HA11 @ 2'	L0501107-022	07/01/2005	07/01/2005
HA2 @ 6"MS	LWG0502384-1	07/01/2005	07/01/2005
HA2 @ 6"DMS	LWG0502384-2	07/01/2005	07/01/2005

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Wida Ang
Name: WIDA ANG

Date: 7/12/05
Title: Organic Manager

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA1 @ 6"	**Units:**	ug/Kg
Lab Code:	L0501107-001	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	66	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	79	51-131	07/06/05	Acceptable
Decachlorobiphenyl	75	47-139	07/06/05	Acceptable

† **Analyte Comments**

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA1 @ 2'	**Units:**	ug/Kg
Lab Code:	L0501107-002	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	66	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	51-131	07/06/05	Acceptable
Decachlorobiphenyl	78	47-139	07/06/05	Acceptable

† **Analyte Comments**

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA2 @ 6"	**Units:**	ug/Kg
Lab Code:	L0501107-003	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	66	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	78	51-131	07/06/05	Acceptable
Decachlorobiphenyl	78	47-139	07/06/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client: California Environmental
Project: 40th Street West & Ave. K/2625
Sample Matrix: Soil

Service Request: L0501107
Date Collected: 07/01/2005
Date Received: 07/01/2005

Organochlorine Pesticides

Sample Name: HA2 @ 2'
Lab Code: L0501107-004

Extraction Method: EPA 3550B
Analysis Method: 8081A

Units: ug/Kg
Basis: Wet

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	67	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	82	51-131	07/06/05	Acceptable
Decachlorobiphenyl	79	47-139	07/06/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA3 @ 6"	**Units:**	ug/Kg
Lab Code:	L0501107-005	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	67	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	80	51-131	07/06/05	Acceptable
Decachlorobiphenyl	77	47-139	07/06/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA3 @ 2'	**Units:**	ug/Kg
Lab Code:	L0501107-006	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	66	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	51-131	07/06/05	Acceptable
Decachlorobiphenyl	72	47-139	07/06/05	Acceptable

† **Analyte Comments**

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA4 @ 6"	**Units:**	ug/Kg
Lab Code:	L0501107-007	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	**1.8**		1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	**2.2**		1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	67	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	84	51-131	07/06/05	Acceptable
Decachlorobiphenyl	79	47-139	07/06/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA4 @ 2'	**Units:**	ug/Kg
Lab Code:	L0501107-008	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	**8.2**		1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	**10**		1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	**3.7**		1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	**2.3**		1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	66	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	77	51-131	07/06/05	Acceptable
Decachlorobiphenyl	76	47-139	07/06/05	Acceptable

† **Analyte Comments**

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA5 @ 6"	**Units:**	ug/Kg
Lab Code:	L0501107-009	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	**19**		1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	**23**		1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	**2.7**		1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	66	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	54	51-131	07/06/05	Acceptable
Decachlorobiphenyl	55	47-139	07/06/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA5 @ 2'	**Units:**	ug/Kg
Lab Code:	L0501107-010	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	67	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	80	51-131	07/06/05	Acceptable
Decachlorobiphenyl	75	47-139	07/06/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA6 @ 6"	**Units:**	ug/Kg
Lab Code:	L0501107-011	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	67	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	82	51-131	07/06/05	Acceptable
Decachlorobiphenyl	75	47-139	07/06/05	Acceptable

† **Analyte Comments**

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA6 @ 2'	**Units:**	ug/Kg
Lab Code:	L0501107-012	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	67	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	80	51-131	07/06/05	Acceptable
Decachlorobiphenyl	70	47-139	07/06/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA7 @ 6"	**Units:**	ug/Kg
Lab Code:	L0501107-013	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	**2.9**		1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	**2.1**		1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	67	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	77	51-131	07/06/05	Acceptable
Decachlorobiphenyl	67	47-139	07/06/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA7 @ 2'	**Units:**	ug/Kg
Lab Code:	L0501107-014	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	67	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	77	51-131	07/06/05	Acceptable
Decachlorobiphenyl	73	47-139	07/06/05	Acceptable

† **Analyte Comments**

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA8 @ 6"	**Units:**	ug/Kg
Lab Code:	L0501107-015	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	3.4	2	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	140	2	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	93	51-131	07/06/05	Acceptable
Decachlorobiphenyl	78	47-139	07/06/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA8 @ 2'	**Units:**	ug/Kg
Lab Code:	L0501107-016	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	8.5	5	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	340	5	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	98	51-131	07/06/05	Acceptable
Decachlorobiphenyl	92	47-139	07/06/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA9 @ 6"	**Units:**	ug/Kg
Lab Code:	L0501107-017	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	67	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	51-131	07/06/05	Acceptable
Decachlorobiphenyl	88	47-139	07/06/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA9 @ 2'	**Units:**	ug/Kg
Lab Code:	L0501107-018	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	67	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	82	51-131	07/06/05	Acceptable
Decachlorobiphenyl	77	47-139	07/06/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA10 @ 6"	**Units:**	ug/Kg
Lab Code:	L0501107-019	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/09/05	LWG0502384	
p,p'-DDE	**6.8**		1.7	1	07/05/05	07/09/05	LWG0502384	
p,p'-DDT	**3.5**		1.7	1	07/05/05	07/09/05	LWG0502384	
Toxaphene	ND	U	67	1	07/05/05	07/09/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	89	51-131	07/09/05	Acceptable
Decachlorobiphenyl	62	47-139	07/09/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA10 @ 2'	**Units:**	ug/Kg
Lab Code:	L0501107-020	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	67	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	82	51-131	07/06/05	Acceptable
Decachlorobiphenyl	89	47-139	07/06/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA11 @ 6"	**Units:**	ug/Kg
Lab Code:	L0501107-021	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
alpha-BHC	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
beta-BHC	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
delta-BHC	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Dieldrin	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endosulfan I	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endosulfan II	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endrin	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Heptachlor	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Methoxychlor	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Toxaphene	ND	U	67	1	07/05/05	07/07/05	LWG0502385	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	78	51-131	07/07/05	Acceptable
Decachlorobiphenyl	76	47-139	07/07/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	07/01/2005
Sample Matrix:	Soil	**Date Received:**	07/01/2005

Organochlorine Pesticides

Sample Name:	HA11 @ 2'	**Units:**	ug/Kg
Lab Code:	L0501107-022	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
alpha-BHC	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
beta-BHC	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
delta-BHC	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Dieldrin	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endosulfan I	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endosulfan II	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endrin	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Heptachlor	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Methoxychlor	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Toxaphene	ND	U	67	1	07/05/05	07/07/05	LWG0502385	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	84	51-131	07/07/05	Acceptable
Decachlorobiphenyl	80	47-139	07/07/05	Acceptable

† **Analyte Comments**

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA

Organochlorine Pesticides

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	LWG0502384-4	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
beta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
delta-BHC	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Dieldrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan I	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan II	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Methoxychlor	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/06/05	LWG0502384	
Toxaphene	ND	U	67	1	07/05/05	07/06/05	LWG0502384	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	76	51-131	07/06/05	Acceptable
Decachlorobiphenyl	76	47-139	07/06/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA

Organochlorine Pesticides

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	LWG0502385-3	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
alpha-BHC	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
alpha-Chlordane	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
beta-BHC	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
delta-BHC	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Dieldrin	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endosulfan I	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endosulfan II	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endosulfan Sulfate	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endrin	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endrin Aldehyde	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Endrin Ketone	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
gamma-BHC (Lindane)	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
gamma-Chlordane†	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Heptachlor	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Heptachlor Epoxide	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Methoxychlor	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
p,p'-DDD	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
p,p'-DDE	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
p,p'-DDT	ND	U	1.7	1	07/05/05	07/07/05	LWG0502385	
Toxaphene	ND	U	67	1	07/05/05	07/07/05	LWG0502385	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	78	51-131	07/07/05	Acceptable
Decachlorobiphenyl	74	47-139	07/07/05	Acceptable

† Analyte Comments

gamma-Chlordane	Also known as beta-Chlordane

Comments:

Client: California Environmental
Project: 40th Street West & Ave. K/2625
Sample Matrix: Soil

Service Request: L0501107

Surrogate Recovery Summary
Organochlorine Pesticides

Extraction Method: EPA 3550B
Analysis Method: 8081A

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2
HA1 @ 6"	L0501107-001	79	75
HA1 @ 2'	L0501107-002	81	78
HA2 @ 6"	L0501107-003	78	78
HA2 @ 2'	L0501107-004	82	79
HA3 @ 6"	L0501107-005	80	77
HA3 @ 2'	L0501107-006	74	72
HA4 @ 6"	L0501107-007	84	79
HA4 @ 2'	L0501107-008	77	76
HA5 @ 6"	L0501107-009	54	55
HA5 @ 2'	L0501107-010	80	75
HA6 @ 6"	L0501107-011	82	75
HA6 @ 2'	L0501107-012	80	70
HA7 @ 6"	L0501107-013	77	67
HA7 @ 2'	L0501107-014	77	73
HA8 @ 6"	L0501107-015	93 D	78 D
HA8 @ 2'	L0501107-016	98 D	92 D
HA9 @ 6"	L0501107-017	81	88
HA9 @ 2'	L0501107-018	82	77
HA10 @ 6"	L0501107-019	89	62
HA10 @ 2'	L0501107-020	82	89
HA11 @ 6"	L0501107-021	78	76
HA11 @ 2'	L0501107-022	84	80
Method Blank	LWG0502384-4	76	76
Method Blank	LWG0502385-3	78	74
HA2 @ 6"MS	LWG0502384-1	79	77
HA2 @ 6"DMS	LWG0502384-2	79	78
Lab Control Sample	LWG0502384-3	79	78
Lab Control Sample	LWG0502385-1	85	82
Duplicate Lab Control Sample	LWG0502385-2	83	81

Surrogate Recovery Control Limits (%)

Sur1 = Tetrachloro-m-xylene	51-131
Sur2 = Decachlorobiphenyl	47-139

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Extracted:**	07/05/2005
Sample Matrix:	Soil	**Date Analyzed:**	07/06/2005

Matrix Spike/Duplicate Matrix Spike Summary
Organochlorine Pesticides

Sample Name:	HA2 @ 6"	**Units:**	ug/Kg
Lab Code:	L0501107-003	**Basis:**	Wet
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	LWG0502384

Analyte Name	Sample Result	HA2 @ 6"MS LWG0502384-1 Matrix Spike			HA2 @ 6"DMS LWG0502384-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Aldrin	ND	5.93	6.62	90	5.86	6.56	89	66-116	1	30
Dieldrin	ND	6.38	6.62	96	6.40	6.56	98	56-141	0	30
Endrin	ND	6.93	6.62	105	7.18	6.56	109	73-148	3	30
gamma-BHC (Lindane)	ND	6.13	6.62	93	6.07	6.56	93	68-119	1	30
Heptachlor	ND	6.07	6.62	92	5.97	6.56	91	61-130	2	30
p,p'-DDT	ND	6.98	6.62	105	7.04	6.56	107	57-147	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Extracted:**	07/05/2005
Sample Matrix:	Soil	**Date Analyzed:**	07/06/2005

Lab Control Spike Summary
Organochlorine Pesticides

Extraction Method:	EPA 3550B	**Units:**	ug/Kg
Analysis Method:	8081A	**Basis:**	Wet
		Level:	Low
		Extraction Lot:	LWG0502384

Analyte Name	Lab Control Sample LWG0502384-3 Lab Control Spike Result	Expected	%Rec	%Rec Limits
Aldrin	5.58	6.67	84	68-112
alpha-BHC	5.78	6.67	87	74-111
alpha-Chlordane	5.83	6.67	87	76-115
beta-BHC	5.73	6.67	86	72-119
delta-BHC	5.19	6.67	78	70-119
Dieldrin	5.85	6.67	88	81-114
Endosulfan I	5.77	6.67	86	77-113
Endosulfan II	6.05	6.67	91	80-120
Endosulfan Sulfate	5.63	6.67	85	80-124
Endrin	5.90	6.67	89	80-127
Endrin Aldehyde	5.92	6.67	89	50-136
Endrin Ketone	5.92	6.67	89	78-123
gamma-BHC (Lindane)	5.74	6.67	86	77-110
gamma-Chlordane	5.63	6.67	85	77-113
Heptachlor	5.70	6.67	85	69-119
Heptachlor Epoxide	5.61	6.67	84	75-115
Methoxychlor	6.11	6.67	92	79-130
p,p'-DDD	5.87	6.67	88	73-119
p,p'-DDE	5.85	6.67	88	80-113
p,p'-DDT	6.00	6.67	90	74-121

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	California Environmental	**Service Request:**	L0501107
Project:	40th Street West & Ave. K/2625	**Date Extracted:**	07/05/2005
Sample Matrix:	Soil	**Date Analyzed:**	07/07/2005

Lab Control Spike/Duplicate Lab Control Spike Summary
Organochlorine Pesticides

Extraction Method:	EPA 3550B	**Units:**	ug/Kg
Analysis Method:	8081A	**Basis:**	Wet
		Level:	Low
		Extraction Lot:	LWG0502385

	Lab Control Sample LWG0502385-1 Lab Control Spike			Duplicate Lab Control Sample LWG0502385-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Aldrin	7.15	6.67	107	6.26	6.67	94	68-112	13	30
alpha-BHC	6.32	6.67	95	6.26	6.67	94	74-111	1	30
alpha-Chlordane	6.85	6.67	103	6.30	6.67	95	76-115	8	30
beta-BHC	7.83	6.67	117	7.16	6.67	107	72-119	9	30
delta-BHC	5.81	6.67	87	5.71	6.67	86	70-119	2	30
Dieldrin	6.56	6.67	98	6.20	6.67	93	81-114	6	30
Endosulfan I	6.48	6.67	97	6.52	6.67	98	77-113	1	30
Endosulfan II	6.92	6.67	104	6.80	6.67	102	80-120	2	30
Endosulfan Sulfate	5.93	6.67	89	5.79	6.67	87	80-124	2	30
Endrin	6.54	6.67	98	6.67	6.67	100	80-127	2	30
Endrin Aldehyde	6.61	6.67	99	6.71	6.67	101	50-136	1	30
Endrin Ketone	6.27	6.67	94	6.20	6.67	93	78-123	1	30
gamma-BHC (Lindane)	6.56	6.67	98	6.30	6.67	95	77-110	4	30
gamma-Chlordane	6.46	6.67	97	6.09	6.67	91	77-113	6	30
Heptachlor	5.79	6.67	87	7.57	6.67	113	69-119	27	30
Heptachlor Epoxide	6.70	6.67	100	6.18	6.67	93	75-115	8	30
Methoxychlor	5.73	6.67	86	5.65	6.67	85	79-130	1	30
p,p'-DDD	6.69	6.67	100	6.50	6.67	97	73-119	3	30
p,p'-DDE	6.86	6.67	103	6.66	6.67	100	80-113	3	30
p,p'-DDT	5.49	6.67	82	5.34	6.67	80	74-121	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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PAGE 1 OF _____

CAS Contact

Project Name: 40th Street West & Ave. K	Project Number: 2605
Project Manager: Caroline Buckley	Report CC:
Company/Address: Cal Enviro, 1161 Calle Suerte Suite G, Camarillo CA 93012	
Phone #: 805-445-7117	FAX#: 805-445-8599
Sampler's Signature: Mark Tamberino	Sampler's Printed Name: Mark Tamberino

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8081A
HA1 @ 6"	1	7/1	N/A	Soil		X
HA1 @ 2'	2					X
HA2 @ 6"	3					X
HA2 @ 2'	4					X
HA3 @ 6"	5					X
HA3 @ 2'	6					X
HA4 @ 6"	7					X
HA4 @ 2'	8					X
HA5 @ 6"	9					X
HA5 @ 2'	10	↓	↓	↓		X

TPH Gas 8015m (purgeable)
TPH Diesel ☐ Fuel Char. ☐ 8015m (extractable)
BTEX ☐ MTBE ☐ 8021 / 602
Halogenated Volatiles 8260
VOA by GCMS ☐ Oxygenates ☐ 8260 / 624
SemiVOA by GCMS 8270 / 625
Pesticides ☐ PCBs ☐ 8081 / 8082 / 608
CCR Metals (17) 6010 / 6020 / 7000 / 200.7 / 200.8

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

See QAPP ☐

TURNAROUND REQUIREMENTS

☒ RUSH (SURCHARGES APPLY)

PLEASE CIRCLE WORK DAYS

1 2 3 4

_____ STANDARD

REQUESTED FAX DATE _____

REQUESTED REPORT DATE _____

REPORT REQUIREMENTS

___ I. Results Only

☑ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

___ III. Results + QC and Calibration Summaries

___ IV. Data Validation Report with Raw Data

MRL ☑ Yes ___ No

PQL/MDL/J ___ Yes ☑ No

Edata ___ Yes ☑ No

INVOICE INFORMATION

PO#

BILL TO:

Lab No: L0501107

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Mark Tamberino	Signature: Lonnie Eufrio	Signature	Signature	Signature	Signature
Printed Name: Cal Enviro	Printed Name: CAS	Printed Name	Printed Name	Printed Name	Printed Name
Firm: 7/1/05 1100	Firm: 7/1/05 1100	Firm	Firm	Firm	Firm
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-0603-15

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PAGE _____ OF _____

CAS Contact

Project Name: 40th Street West & Ave. K	Project Number: 2625
Project Manager: Charlie Buckley	Report CC:
Company/Address: Cal Enviro 1161 Callie Sierra Suite G Camarillo CA 93012	
Phone #: 805-445-7117	FAX#: 805-445-8599
Sampler's Signature:	Sampler's Printed Name:

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

NUMBER OF CONTAINERS

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	TPH Gas 8015m (purgeable)	TPH Diesel 8015m (extractable) ☐ Fuel Char. ☐	BTEX ☐ MTBE ☐ 8021 / 602	Halogenated Volatiles 8260	VOA by GCMS ☐ Oxygenates ☐ 8260 / 624	SemiVOA by GCMS 8270 / 625	Pesticides ☐ PCBs ☐ 8081 / 8082 / 608	CCR Metals (17) 6010/6020/7000/200.7/200.8	8061A	
HA6@6"	11	7/1	N/A	Soil									X	
HA6@2'	12												X	
HA7@6"	13												X	
HA7@2'	14												X	
HA8@6"	15												X	
HA8@2'	16												X	
HA9@6"	17												X	
HA9@2'	18												X	
HA10@6"	19												X	
HA10@2'	20	↓	↓	↓									X	

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

See QAPP ☐

TURNAROUND REQUIREMENTS
X RUSH (SURCHARGES APPLY)
PLEASE CIRCLE WORK DAYS
1 2 3 4
_____ STANDARD
REQUESTED FAX DATE_____
REQUESTED REPORT DATE_____

REPORT REQUIREMENTS
I. Results Only ✓
II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
III. Results + QC and Calibration Summaries
IV. Data Validation Report with Raw Data
MRL ✓ Yes ___ No
POL/MDL/J ___ Yes ✓ No
Edata ___ Yes ✓ No

INVOICE INFORMATION
PO#
BILL TO:

Lab No: 10501107

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature	Signature	Signature	Signature
Printed Name: Mark Tafuya	Printed Name: CAS	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Cal Enviro	Firm: 7/1/05 1200	Firm	Firm	Firm	Firm
Date/Time: 7/1/05 1200	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

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PAGE _____ OF _____

CAS Contact

Project Name: 40th Street West & Avenue K	Project Number: 9625
Project Manager: Charlie Buckley	Report CC:
Company/Address: Cal Enviro 1161 Calle Sucerte Suite 6 Camarillo, CA 93012	
Phone #: 805 445-7117	FAX#: 805-445-8599
Sampler's Signature: Mark Tamberino	Sampler's Printed Name: Mark Tamberino

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

NUMBER OF CONTAINERS

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	TPH Gas 8015m (purgeable)	TPH Diesel ☐ Fuel Char. ☐ 8015m (extractable)	BTEX ☐ MTBE ☐ 8021 / 602	Halogenated Volatiles 8260	VOA by GCMS ☐ Oxygenates ☐ 8260 / 624	SemiVOA by GCMS 8270 / 625	Pesticides ☐ PCBs ☐ 8081 / 8082 / 608	CCR Metals (17) 6010/6020/7000/200.7/200.8	8081A	
HA11 @ 6"	21	7/1	N/A	SOIL									X	
HA11 @ 3'	22	↓	↓	↓									X	

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

See QAPP ☐

TURNAROUND REQUIREMENTS
RUSH (SURCHARGES APPLY)
PLEASE CIRCLE WORK DAYS
1 2 3 4
STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
I. Results Only
II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
III. Results + QC and Calibration Summaries
IV. Data Validation Report with Raw Data
MRL ✓Yes ___No
POL/MDL/J ___Yes ✓No
Edata ___Yes ✓No

INVOICE INFORMATION
PO#
BILL TO:
Lab No: L0501107

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Mark Tamberino	Signature: Lonnie Kekete	Signature	Signature	Signature	Signature
Printed Name: Mark Tamberino	Printed Name: CAS	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Cal Enviro	Firm: 7/1/05 1300	Firm	Firm	Firm	Firm
Date/Time: 7/1/05 1300	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

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SAMPLE RECEIPT FORM

Service Request No: L050 1107 Client: CE

Sample(s) delivered by: Client ✓ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ____ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ✓* (See Comments)

Appropriate sample volume and containers? Yes ✓ No ____ (See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____ (See Comments)

Container(s) supplied by CAS? Yes ✓ No ____ (See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____ (See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # _____-TB-_____

Temperature of sample(s)/cooler XX °C Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ____ Appropriate Preservation? Yes____ No____

RUSH Turn around time? Yes ✓ Notified WIDA Date & Time 7/1/05

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified _____ Date & Time_____

Container(s) received and their preservative(s):

1 → 22 = 1-40Z jar

Comments

X No times on COC or jars.

** client submitted in cooler on ice but samples @ ambient temp. Placed in fridge upon receipt

Initials, Date, Time SM 7/1/05 1300

APPENDIX II

Field Geophysics Data Sheets

PROJECT SUMMARY

Spectrum Geophysics
2907 W. Empire Ave., Burbank, CA 91504
Ph: 818-565-3590 Fax: 818-565-3595

Project Number: 0506211R

Project Date: 6-24-05 Meet Time: ____

Project Manager: Ralph Weed (R.J.)

Other Staff: [illegible]

SITE INFORMATION

Vacant Lot
Ave K and 40th
Lancaster, CA

Thomas Guide Coordinates ____

(For office use only) Located in LA ? No

MEET LOCATION/SPECIAL INSTRUCTIONS, ETC.

On-site Contact: Chris Rude

818-903-6529
Client's Cell #

Client's Pager #

SCOPE OF WORK

Spectrum conducted a subsurface investigation to determine the surface trace of detectable buried utilities. IN A 600' X 330' AREA

Map required? No

Report required? No

Lost UST search
Survey Goal 1

Survey Goal 2

Vacant lot
Facility Type

CLIENT INFORMATION

California Environmental
1161 Calle Suerte, Ste. G
Camarillo, CA 93012

Chris Rude
Corporate Contact

805-445-7117
Clients office phone #

Work Performed:

- [ ] Investigated ____ proposed ground intrusion sites for detectable subsurface interferences.
- [ ] Investigated ____ linear feet of proposed trench for detectable subsurface interferences.
- [ ] Delineated the surface trace of detectable utilities and subsurface interferences in ____ area(s) approx. ____, ____, ____, ____ feet in size.

Other: MAPPING

Vehicle I.D. ____

Day ____ / ____ Labor hours: 3

Equipment: ____

Other: ____

Report: (circle) Yes / No (circled) Diagram: Yes (circled) / No

Client/Rep Signature: ____

Client Project No.: ____

Clients PO, WO or TO # ____

- Non-metallic and non-electrically conductive piping and materials are not detectable.
- We recommend that you call the ONE CALL CENTER prior to excavating or installing borings.
- We recommend that you hand auger to a depth of ____ feet below ground.
- Your potential boring locations were investigated for detectable subsurface interferences and their locations have been marked on the ground surface of a 12-inch diameter white circle or a stake or a nail or flagging.
- No consideration of liability will be given if borings are installed outside of the white circle or not centered on the flag, stake or nail. Call for a revisit if additional boring locations are required.

PROJECT SUMMARY

Spectrum Geophysics
2907 W. Empire Ave., Burbank, CA 91504
Ph: 818-565-3590 Fax 818-565-3595

Project Number **0506211R**

Project Date 6-21-05 Meet Time _____

Project Manager: SEAN MAHONEY ~~Ralph Reed (R-1)~~

Other Staff: DAVE FERRY, John Iwansky, JIM MCMEEN

SITE INFORMATION

Vacant Lot
Ave K and 40th
Lancaster, CA

Thomas Guide Coordinates _____

(For office use only) Located in LA ? No

MEET LOCATION/SPECIAL INSTRUCTIONS, ETC.

On-site Contact **Chris Rude**

818-903-6529 (Client's Cell #) (Client's Pager #)

SCOPE OF WORK

Spectrum conducted a subsurface investigation to determine the surface trace of detectable buried utilities. IN A 660' X 330' AREA

Map required? No

Report required? No

Lost UST search (Survey Goal 1) (Survey Goal 2) Vacant lot (Facility Type)

CLIENT INFORMATION

California Environmental
1161 Calle Suerte, Ste. G
Camarillo, CA 93012

Chris Rude (Corporate Contact)

805-445-7117 (Clients office phone #)

Work Performed:

- ☐ Investigated _____ proposed ground intrusion sites for detectable subsurface interferences.
- ☐ Investigated _____ linear feet of proposed trench for detectable subsurface interferences.
- ☐ Delineated the surface trace of detectable utilities and subsurface interferences in _____ area(s) approx. _____, _____, _____, _____ feet in size.

Other: GRID SETUP

Vehicle I.D. _____

Day 1 / 3 Labor hours: 4

Equipment: _____

Other: _____

Report: (circle) Yes / No Diagram: (Yes) / No

Client/Rep Signature: _____

Client Project No.: _____

Clients PO, WO or TO # _____

- Non-metallic and non-electrically conductive piping and materials are not detectable.
- We recommend that you call the ONE CALL CENTER prior to excavating or installing borings.
- We recommend that you hand auger to a depth of ____ feet below ground.
- Your potential boring locations were investigated for detectable subsurface interferences and their locations have been marked on the ground surface of a 12-inch diameter white circle or a stake or a nail or flagging.
- No consideration of liability will be given if borings are installed outside of the white circle or not centered on the flag, stake or nail. Call for a revisit if additional boring locations are required.

PROJECT SUMMARY

Spectrum Geophysics
2907 W. Empire Ave. , Burbank, CA 91504
Ph: 818-565-3590 Fax: 818-565-3595

Project Number **0506211R**

Project Date 6-22-05 Meet Time _____

Project Manager: Ralph Weed (R.J.) Other Staff: John Iwansky

SITE INFORMATION

Vacant Lot
Ave K and 40th
Lancaster, CA

Thomas Guide Coordinates _____

(For office use only) Located in LA ? No

MEET LOCATION/SPECIAL INSTRUCTIONS, ETC.

On-site Contact Chris Rude
818-903-6529
Client's Cell # Client's Pager #

SCOPE OF WORK

Spectrum conducted a subsurface investigation to determine the surface trace of detectable buried utilities. IN A 600' x 330' AREA

Map required? No
Report required? No

Lost UST search (Survey Goal 1) Survey Goal 2 Vacant lot (Facility Type)

CLIENT INFORMATION

California Environmental
1161 Calle Suerte, Ste. G
Camarillo, CA 93012

Chris Rude (Corporate Contact) 805-445-7117 (Clients office phone #)

Work Performed:

- ☐ Investigated _____ proposed ground intrusion sites for detectable subsurface interferences.
- ☐ Investigated _____ linear feet of proposed trench for detectable subsurface interferences.
- ☐ Delineated the surface trace of detectable utilities and subsurface interferences in _____ area(s) approx. _____, _____, _____, _____ feet in size.

Other: COLLECTED DATA, FOLLOW UP. SEVERAL ANOMALIES WERE DETECTED THAT [redacted] COULD NOT BE ATTRIBUTED TO ABOVE GROUND FEATURES.

Vehicle I.D. _____

Day 2/3 Labor hours: 6

Equipment: G-858 MAG, UTILITY

Other: M-SCOPE, GPR

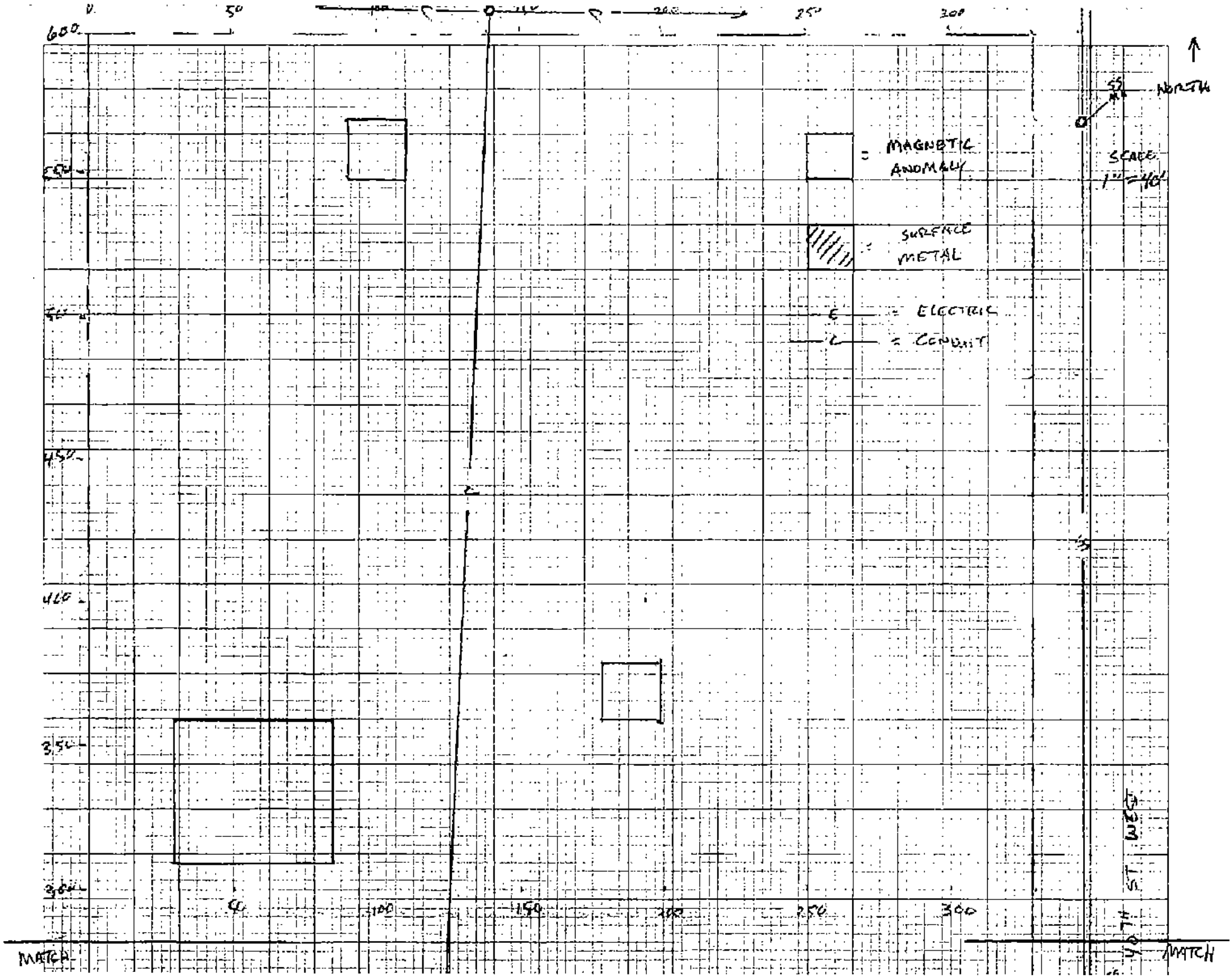
Report: (circle) Yes (No) Diagram: (Yes) / No

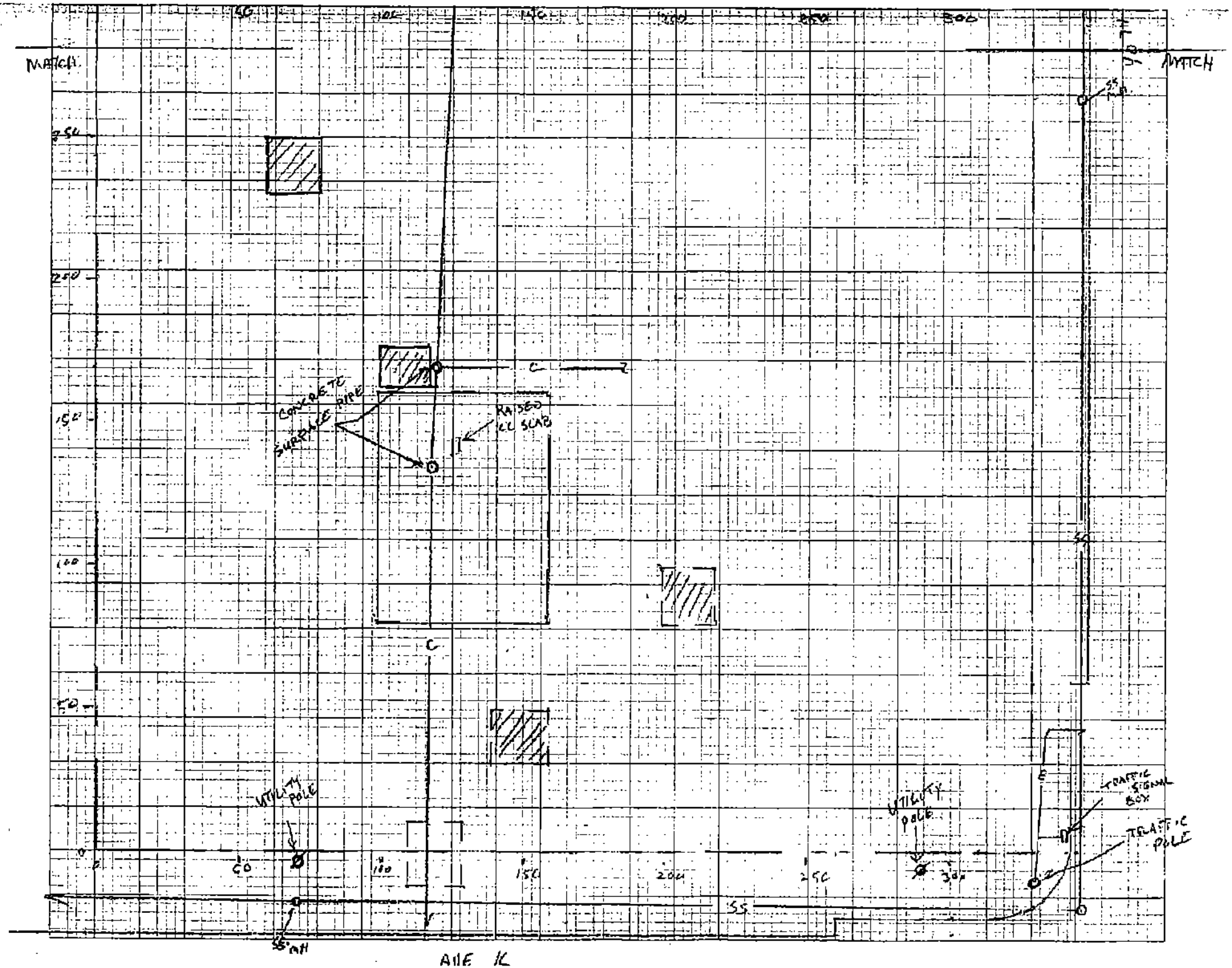
Client/Rep Signature: _____

Client Project No.: _____

Clients PO, WO or TO # _____

- Non-metallic and non-electrically conductive piping and materials are not detectable.
- We recommend that you call the ONE CALL CENTER prior to excavating or installing borings.
- We recommend that you hand auger to a depth of ___ feet below ground.
- Your potential boring locations were investigated for detectable subsurface interferences and their locations have been marked on the ground surface of a 12-inch diameter white circle or a stake or a nail or flagging.
- No consideration of liability will be given if borings are installed outside of the white circle or not centered on the flag, stake or nail. Call for a revisit if additional boring locations are required.


600
50
100
150
200
250
300
NORTH
= MAGNETIC ANOMALY
SCALE 1" = 40'
= SURFACE METAL
E = ELECTRIC
C = CONDUIT
450
400
350
300
100
150
200
250
300
MATCH
MATCH


MATCH
MATCH
CONCRETE SURFACE PIPE
RAISED CC SLAB
UTILITY POLE
UTILITY POLE
TRAFFIC SIGNAL BOX
TRAFFIC POLE
SS MH
AVE K

APPENDIX III

Soil Sampling Protocols

SOIL SAMPLING PROTOCOLS

Samples will be labeled, preserved, and transported properly to retain sample integrity. This exhibit describes procedures to be followed by CE, Inc., during collection of samples of subsurface soil. Sampling guidance documents from the American Society of Testing and Materials (ASTM), U.S. Environmental Protection Agency (EPA), and California EPA will be followed for all sampling procedures. Actual sampling procedures employed will be based on field conditions and may differ slightly from those described here.

1.0 HYDROPUNCH BORING/SOIL SAMPLING PROCEDURES

Borings and soil sampling will be performed under the direction of a CE geologist. The borings will be advanced using a truck-mounted, hollow-stem auger drill rig, hydraulic push rig and/or other similar methods. Hand auger sampling is also employed.

Soil samples will be continuously collected (continuous core) or at 2-5 foot vertical depth intervals. A one inch diameter clear acetate liner or 6 inch long brass tube will be used to retain the samples obtained from hydraulic push borings. Soil sampling from auger borings will be done in accordance with ASTM 1586-84. Using this procedure, three 2½-inch-diameter, 6-inch-length, brass tubes will be placed in a California-type split-barrel sampler. The sampler will be driven into the soil by a 140-pound weight falling 30 inches. After an initial set of 6 inches, the number of blows required to drive the sampler an additional 12 inches is known as penetration resistance, or the "N" value. The "N" value will be used as an empirical measure of the relative density of cohesionless soils and the consistency of cohesive soils.

Upon recovery of the split-barrel sampler, the brass tubes containing the soil will be removed. The ends of one of the three brass tubes will be sealed with Teflon sheets and plastic end caps. The sample will be labeled with an identification number, time, date, location, and requested laboratory analysis. The sample will be placed in a plastic bag and stored at approximately 4º Celsius (C) in an ice chest for transport to the laboratory. As an alternative, the samples will be immediately transferred to an onsite mobile laboratory. Sample custody procedures outlined in Section 4.0 of this exhibit will be followed.

One of the brass tubes containing soil will be partially extracted to create headspace and capped for later screening for organic vapors using a photoionization detector (PID) or a flame ionization detector (FID). The remaining portion of the soil sample will be examined and a complete log of soil conditions will be recorded on a soil-boring log using the Unified Soil Classification System. The soil will be examined for grain size, color, and moisture content.

The split-barrel sampler will be cleaned to prevent cross-contamination for each sampling interval using procedures described in Section 3.0.

Borings advanced with hollow-stem augers generate cuttings. The soil generated will be stored on visqueen or in 55-gallon drums.

2.0 DECONTAMINATION AND DISPOSAL PROCEDURES

2.1 Equipment Decontamination

All equipment that comes in contact with potentially contaminated soil, drilling fluid, air, or water will be decontaminated before each use. Decontamination consists of steam cleaning, a high-pressure, hot water rinse, or alconox (phosphate free soap) and freshwater rinse, as appropriate.

Drilling and sampling equipment will be decontaminated as follows:

1. Drill rig augers, drill rods, and drill bits will be steam-cleaned prior to use and between borings. Visible soil, grease, and other impurities will be removed.

2. Soil sampling equipment will be cleaned prior to use and between each boring. Prior to individual sample collection, the sampling device will be cleaned in an alconox solution and rinsed twice in clean water. Any visible soil residue will be removed.

3. Stainless steel or brass soil sampling tubes will be steam-cleaned or will be washed in an alconox solution and rinsed with clean water.

3.0 FIELD MEASUREMENTS

Field data will be collected during various sampling and monitoring activities; this section describes routine procedures followed by personnel performing field measurements. The methods presented below are intended to ensure that field measurements are consistent and reproducible when performed by various individuals.

3.1 Buried Utility Locations

Prior to commencement of work on site, CE will contact appropriate utility companies to have underground utility lines located. CE also researches the location of all underground utilities using past site construction and surveying plans and by conducting a ground reconnaissance of the area if available, or if provided by client/property owner. All work associated with the auger borings will be preceded by hand augering to a minimum depth of 5 feet below grade to avoid contact with underground utilities.

3.2 Lithologic Logging

A log of soil conditions encountered during the drilling and sample collection will be maintained using the Unified Soil Classification System by a CE geologist. A California registered geologist will review all borings.

The collected soil samples will be examined and the following information recorded: boring location, sample interval and depth, blow counts, color, soil type, moisture content (qualitative), and depth at which ground water (if present) is first encountered. Also recorded on the soil boring logs will be the field screening results derived from the use of a portable PID or FID.

3.3 Disposal Procedures

Soils and fluids that will be produced and/or used during the installation and sampling of borings, and that are known or suspected to contain potentially hazardous materials, will be contained during the above operations. These substances will be retained on site until chemical testing has been completed to determine the proper means of disposal. Handling and disposal of substances known or suspected to contain potentially hazardous materials will comply with the applicable regulations of FED EPA, CAL EPA and CAL OSHA, and any other applicable regulations. Soils and fluids produced and/or used during the above-described operations that appeared to contain potentially hazardous materials will be disposed of appropriately.

Residual substances generated during cleaning procedures that are known or suspected to pose a threat to human health or the environment will be placed in appropriate containers until chemical testing had been completed to determine the proper means for their disposal.

4.0 SAMPLE CUSTODY

This section describes standard operating procedures for sample custody and custody documentation. Sample custody procedures will be followed through sample collection, transfer, analysis, and ultimate disposal. The purpose of these procedures is to assure that (1) the integrity of samples will be maintained during their collection, transportation, and storage prior to analysis and (2) post-analysis sample material will be properly disposed of. Sample custody is divided into field procedures and laboratory procedures, as described below.

4.1 FIELD CUSTODY PROCEDURES

Sample quantities, types, and locations will be determined before the actual fieldwork commences. As few people as possible handle samples. The field sampler will be responsible for the care and custody of the collected samples until they are properly transferred.

4.1.1 Field Documentation

Each sample will be labeled and sealed properly immediately after collection. Sample identification documents will be carefully prepared so that identification and chain-of-custody records can be maintained and sample disposition can be controlled. Forms will be filled out with waterproof ink. The following sample identification documents will be utilized.

- Sample labels
- Field notes
- Chain-of-custody forms

4.1.2 Sample Labels

Sample labels provide identification of samples. Preprinted sample labels will be provided. Where necessary, the label will be protected from water and solvents with clean label-protection tape. Each level will contain the following information:

- Name of collector
- Date and time of collection
- Place of collection
- CE project number
- Sample number
- Preservative (if any)

4.1.3 Field Notes

Information pertinent to a field survey, measurements, and/or sampling will be recorded in field notes. Entries may include the following:

- Name and title of author, date and time of entry, and physical/environmental conditions during field activity.
- Location of sampling or measurement activity.
- Name(s) and title(s) of field crew.
- Type of sampled or measured media (e.g., soil, groundwater, air, etc.)
- Sample collection or measurement method(s).
- Number and volume of sample(s) taken.
- Description of sampling point(s).
- Description of measuring reference points.
- Date and time of collection or measurement.
- Sample identification number(s).
- Sample preservative (if any).
- Sample distribution (e.g. laboratory).
- Field observations/comments.

- Field measurements data (pH, etc.)

4.1.4 Chain-of-Custody Record

A chain-of-custody record will be filled out for and accompany every sample and every shipment of samples to the analytical laboratories in order to establish the documentation necessary to trace sample possession from the time of collection. The record will contain the following information:

- Sample or station number of sample I.D.
- Signature of collector, sampler, or recorder.
- Date and time of collection.
- Place of collection.
- Sample type.
- Signatures of persons involved in the chain of possession.
- Inclusive dates of possession.

The laboratory portion of the form will be completed by laboratory personnel and contains the following information:

- Name of person receiving the sample.
- Laboratory sample number.
- Date and time of sample receipt.
- Analyses requested.
- Sample condition and temperature.

4.1.5 Sample Transfer and Shipment

Samples will always be accompanied by a chain-of-custody record. When transferring samples, the individuals relinquishing and receiving the samples will sign, date, and note the time on the chain-of-custody record. Samples will be packaged properly for shipment and dispatched to the appropriate laboratory for analysis. The chain-of-custody record will accompany each shipment. The method of shipment, courier name(s), and other pertinent information will be entered in the chain-of-custody record.

4.2 Laboratory Custody Procedures

A designated sample custodian will accept custody of the shipped samples and verified that the information on the sample label matched that on the chain-of-custody record. Information regarding method of delivery and sample conditions will be also checked on the chain-of-custody record. The custodian will then enter the appropriate data into the laboratory sample tracking system. The laboratory custodian may use the sample number on the sample label or may assign a unique laboratory number to each sample. The custodian will then transfer the sample(s) to the proper analyst(s) or stored the sample(s) in the appropriate secure area.

Laboratory personnel are responsible for the care and custody of samples from the time they are received until the sample is exhausted. Once at the laboratory, the samples are handled in accordance with U.S. Environmental Protection Agency SW-846. Test Methods for Evaluating Solid Waste Physical/Chemical Methods, Third Edition, for the intended analyses. All date sheets, chromatographs, and laboratory results will be field as part of the permanent documentation.

4.3 Corrections to Documentation

Original data recorded in field notes, chain-of-custody records, and other forms will be written in ink. These documents will not be altered, destroyed, or discarded, even if they will be illegible or contained inaccuracies that required a replacement document.

If an error is made or found on a document, the individual making the corrections will do so by crossing a single line through the error, entering the correct information, and initialing and dating the change. The erroneous information will not be obliterated. Any subsequent error(s) discovered on a document will be corrected. All corrections will be initialed and dated.

4.4 Sample Storage and Disposal

The analytical laboratory will retain samples and extracts for 60 days after a written report will be issued by the laboratory. Unless notified by the program manager, the laboratory will dispose of excess or unused samples in an appropriate manner consistent with applicable government regulations.