

FOR CONTRACT NO.: 07-1W3204

INFORMATION HANDOUT

MATERIALS INFORMATION

ENVIRONMENTAL INVESTIGATION REPORT

Phase II Environmental Investigation Report
Cherry Avenue at Route 405
Long Beach, California
Caltrans Permit Number 708-6SV-1314

Prepared by Diaz Yourman & Associates

FIBER OPTIC SYSTEM AS-BUILT DRAWINGS

ROUTE: 07-LA-405-PM 6.0/6.5

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& ASSOCIATES

1035.
Geotechnical Services

A Report Prepared for:

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**PHASE II ENVIRONMENTAL INVESTIGATION
CHERRY AVENUE AT INTERSTATE 405
NORTH-BOUND COLLECTOR RAMP
LONG BEACH, CALIFORNIA**

CALTRANS PERMIT NUMBER 708-6SV-1314

DRAFT

Project No. 2008-026

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LIST OF ACRONYMS

ADL - Aerially Deposited Lead
ASTM - American Society for Testing and Materials
bgs - below ground surface
CAL EPA - California Environmental Protection Agency
CALTRANS - California Department of Transportation
CEQA - California Environmental Quality Act
CHHSL - California Human Health Screening Levels
DHS - California Department of Health Services
DYA - Diaz•Yourman & Associates
DTSC - California Department of Toxic Substances Control
EPA - U.S. Environmental Protection Agency
HSC - California Health and Safety Code
I - Interstate
ISA - Initial Site Assessment
LUST - Leaking Underground Storage Tank
mg/kg - milligrams per kilogram
mg/l - milligrams per liter
ND - Not Detected
PID - Photo Ionization Detector
Project - Cherry Avenue/Interstate 405 Northbound Collector Ramp Improvements
QA - Quality Assurance
QC - Quality Control
ROW - Right-of-Way
STLC - Soluble Threshold Limit Concentration
TCLP - Toxicity Characterization Leaching Procedure
TRPH - Total Recoverable Petroleum Hydrocarbons
TTLC - Total Threshold Limit Concentration
UCL - Upper Confidence Limit
USA - Underground Service Alert
USGS - United States Geologic Service
VOC - Volatile Organic Compounds
WET - California waste extraction test



EXECUTIVE SUMMARY

This Phase II environmental site investigation was prepared for the proposed improvements to the northbound collector ramp for Cherry Avenue at Interstate (I) 405 in Long Beach, California (Project). This report covers the landscaped portion of the Project between the collector onramp and the I-405 right-of-way (ROW) west of Cherry Avenue, a portion that will be excavated during construction of the proposed improvements.

The objective of the Phase II investigation was to evaluate whether soil contamination in the ROW may impact construction activities, and to provide a hazard assessment for the mitigation of impacts during earthwork. The Phase II investigation was also performed so that soil excavation and disposal can be managed properly, and to inform the contractor of potential contamination so that proper mitigation measures can be implemented. Excavated soils are required by State and Federal regulations to be classified as nonhazardous or hazardous prior to reuse as fill or disposal offsite. A remediation plan is beyond the scope of our services.

Determining the extent of the soil excavated for the Project should be based on results of the testing, data analysis, and the reuse potential of excavated soil within the Project corridor. If the soil cannot be reused in the corridor, Project planning should include allowances for managing soil with hazardous levels of contaminants as a regulated waste, usually by disposal at a landfill accepting hazardous or regulated wastes.

Thirty-two soil samples were collected from six boring locations spaced at approximately 100-foot-long intervals along the Project ROW. Samples were typically tested for more than one type of contamination as follows:

- Twenty-five soil locations were tested for aerially deposited lead (ADL). Three samples were tested for Title 22 metals, which included ADL.
- Three soil samples were tested for hydrocarbons and volatile organic compounds (VOCs). An additional sample was also tested for VOCs.



Based on review of analytical test results, DYA recommends the following restrictions for use of the soils within the areas tested for this Project:

- The existing undisturbed soils are not considered potentially hazardous waste until the soils are excavated.
- The ADL testing data was analyzed on a combined layer basis with the samples using statistical methods noted in EPA SW-846. Based on linear regression analysis and statistical analysis for the samples collected, the composite soil will have an ADL total threshold limit concentration (TTLC) greater than 100 milligrams per kilogram (mg/kg) and a lead soluble threshold limit concentration (STLC) greater than 5 milligram per liter (mg/l). Because the STLC is greater than 5 mg/l, it should be classified in accordance with the California Code of Resolutions (CCR) Title 22 as hazardous waste. Most of the higher concentrations of ADL were within the upper 2 feet of soil.
- To reduce the composite levels of ADL of the soils onsite, the upper 1-foot of soil across the site should be removed and disposed offsite as waste. An additional 2 feet of soil (total 3 feet) should be removed in the vicinity of Boring CAB-3 from Station 62+50 to Station 63+75, and an additional foot (total 2 feet) should be removed in the vicinity of Boring CAB-6 from Stations 66+00 to 68+00, approximately. The ultimate extent of the excavation will consist of the area bound by the existing edge of pavement and the limits of the excavation as shown on the plans, as otherwise deemed necessary for construction, or as directed by the Engineer. Upon completion of the recommended removals, the revised linear regression analysis of the remaining composite soil will have a TTLC less than 100 mg/kg, and STLC less than 5 mg/l. Therefore, it is our opinion that the remaining soils at depths below the removal depths will be classified as nonhazardous and there will be no restrictions on the use of the remaining soil excavated for the Project as fill within the corridor.
- The samples with STLC values greater than 5 mg/l were tested for toxicity characterization leaching procedure (TCLP). The results of the eleven tests performed were below the federal regulatory limit of 5 mg/l. The eleven samples were located in the upper 2 feet of soil.



1.0 INTRODUCTION

This Phase II environmental site investigation was prepared for the proposed improvements to the northbound collector ramp for Cherry Avenue at Interstate (I) 405 in Long Beach, California (Project). This report covers the landscaped portion of the Project between the collector onramp and the I-405 right-of-way (ROW) west of Cherry Avenue, as shown on Figure 1, a portion of which will be excavated during construction of the proposed improvements.

The portion of the Project area to be excavated begins approximately 300 feet west of the Cherry Avenue overcrossing, and continues along the alignment of Collector Road 1-N to the intersection with I-405, as shown on the Site Plan, Figure 2. The intent of this Phase II investigation is to screen the Project for lead-impacted soil as well as other contaminants of concern that may affect construction of the proposed Project to comply with the hazardous waste section of the California Environmental Quality Act (CEQA). Recommendations for remediation are not a part of the scope of this work.

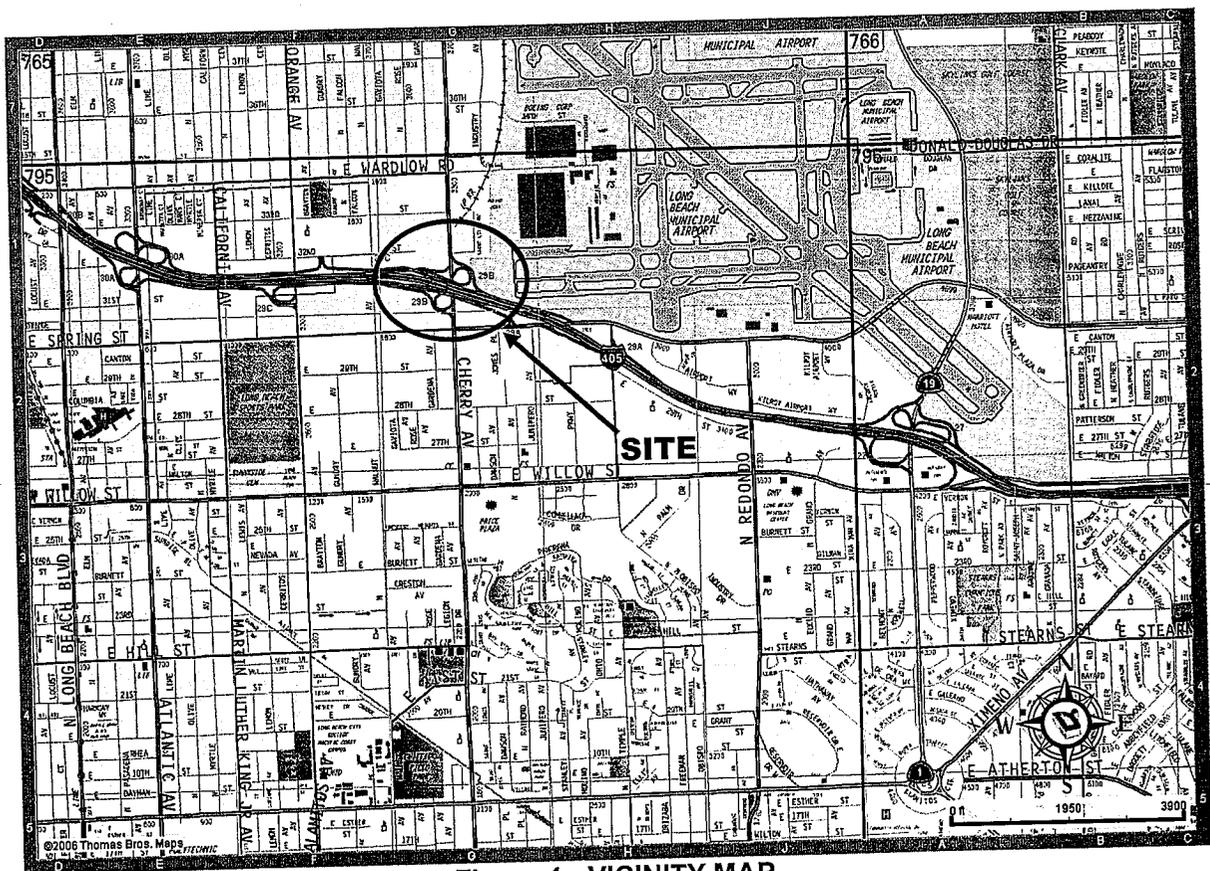


Figure 1 - VICINITY MAP



2.0 PROJECT BACKGROUND

2.1 DATA REVIEW

An initial site assessment (ISA) checklist was prepared by Kimley-Horn and Associates (Kimley-Horn) for the Project. The ISA checklist identified aerially deposited lead (ADL) and hydrocarbons as potential hazards for this Project.

2.2 HISTORICAL SITE USE

The subject site was undeveloped until approximately 1960, as residential and commercial development increased in the areas adjacent to the site over time. Between 1960 and 1968, I-405 was constructed, at which time the Project site was developed for its present use. The site has remained relatively unchanged since then.

2.3 SITE VISIT

Site visits were performed on September 25, 2008, and October 13, 2008.

2.4 CHEMICALS OF CONCERN

The following descriptions of chemicals of concern are based on the historical land use of the Project vicinity and information gathered in the ISA checklist.

2.4.1 ADL

In soils adjacent to highways, lead has accumulated above natural levels primarily due to historic use of lead antiknock compounds in gasoline. Previous studies show that lead concentrations in near-highway surface soil were commonly highest within the upper 2 feet and decrease with depth (Caltrans, 1998). When soil with elevated lead levels is excavated, the soil becomes a regulated waste. The U.S. Environmental Protection Agency (EPA) and California Department of Toxic Substances (DTSC) have established limit concentrations of lead in waste soil based on specified testing methods that trigger classification of waste soil as a hazardous waste, with guidelines for appropriate disposition (EPA, 2001).



2.4.2 Hydrocarbons

The ISA checklist identified one leaking underground storage tank (LUST) and one site listed as a potential health risk by the State Water Resources Control Board within approximately 1/8 mile of the site. The Project is downgradient of the two sites and may have the potential to affect soil and/or groundwater within the Project area.

2.4.3 Other Metals

Based on previous Phase II investigations performed in Caltrans' ROW, there is potential for elevated levels of other Title 22 metals from multiple sources.

2.5 GEOLOGY AND GROUNDWATER

The Project location is shown on the US Geologic Service (USGS) 7.5 minute quadrangle, Long Beach, California, dated 1964, photo-revised 1981, which is provided in Appendix A. The general ground elevation of the Project area is approximately 55 to 65 feet above mean sea level (MSL) with the freeway and ramp below the surrounding grade. The general Project area drains northeasterly towards the Long Beach Airport.

The Project is located within the southern area of the Los Angeles Coastal Plain, a regional alluvial basin overlying Tertiary sedimentary rocks. The surface of the Project area is mapped as Quaternary non-marine terrace deposits (CDMG, 1962). The Newport-Inglewood fault zone passes northwest to southeast within 1 mile south of the Project area. The active fault is locally manifested by uplifted early Pleistocene sedimentary rock of Signal Hill, 1/2 mile to the south. According to California Department of Water Resources Bulletin 104 (DWR, 1961), unconsolidated alluvial sediments are approximately 1,000 feet thick in the area and contain a series of confined aquifers used for municipal water supplies. Low permeability Tertiary sedimentary bedrock of the Pico formation lies beneath the unconsolidated sediments.

According to DWR Bulletin 104, the groundwater in the Project area is located on the southern margin of the Central Basin Pressure Area of the Los Angeles Coastal Plain. The basin is characterized by confined sandy aquifers separated by intermittent silt and clay aquicludes to a depth of approximately 1,000 feet. The Cherry Hill fault segment of the Newport-Inglewood fault zone, located approximately 1 mile to the south, forms a groundwater barrier for the southern



boundary of the Central Basin. The aquifers are used extensively for drinking water resources in the basin by municipalities, private suppliers, and water districts. According to Water Replenishment District of Southern California, Groundwater Elevation Contour Map Fall 2001, the groundwater level in the first aquifer is located approximately 80 to 100 feet below grade and flows north toward an inland pumping depression within the central area of the Central Basin. There is no significant surface water within 1 mile of the Project site. The Los Angeles River is located approximately 2 miles west of the project site.



3.0 OBJECTIVE

The objective of the Phase II investigation was to evaluate whether soil contamination in the ROW may impact construction activities, and to provide a hazard assessment for mitigating impacts during earthwork. The Phase II investigation was also performed so that soil excavation and disposal can be managed properly and to inform the contractor of potential contamination so that proper mitigation measures can be implemented. Excavated soils are required by State and Federal regulations to be classified as nonhazardous or hazardous prior to reuse as fill or disposal offsite. A remediation plan was beyond the scope of our services.

Determining the extent of the soil excavated for the Project should be based on results of the testing, data analysis, and potential reuse of excavated soil within the Project corridor. Project planning should include allowances for managing soil with hazardous levels of contaminants as a regulated waste, usually by disposal at a landfill accepting hazardous or regulated wastes.



4.0 SCOPE OF WORK

The scope of this Phase II investigation consisted of the following:

- Preparing a work plan.
- Reviewing existing data.
- Preparing a site-specific health and safety plan.
- Notifying Underground Service Alert (USA).
- Collecting soil samples in the field.
- Performing laboratory analyses.
- Developing preliminary conclusions regarding impact of soil contamination on proposed construction.
- Preparing this Phase II report.

To avoid confusion with previous investigations performed adjacent to this site, the boring names were modified from those used in the work plan (i.e., B-2 was changed to CAB-2). No other deviations were made from the work plan.



5.0 SAMPLING METHODOLOGY

The approximate boring locations for environmental soil testing are shown on the Site Plan presented on Figure 2. Guidelines prepared by Caltrans for ADL sampling (1998, 2001) were used to determine the spacing of the borings. The proposed borings were spaced as an average interval of approximately 100 linear feet. The soil samples collected were transported to the laboratory, and soil samples not tested were put on hold for a limited time for potential future testing.

Borings were performed using a hand auger. Four soil samples were collected from each boring with 2-inch-diameter, 6-inch-long stainless steel tubes using a manually driven sampler with a slide hammer. The soil collected in the stainless steel tubes was capped with Teflon sheets and end-caps. The soil samples were collected at the ground surface (0 to 0.5 foot), 1 foot (1 to 1.5 feet), 2 feet (2 to 2.5 feet), and 5 feet (5 to 5.5 feet) below existing grades. Surface debris and vegetation was cleared before the soil samples were collected. The samples were labeled to specify the sample location and depth. The samples were then placed in ziploc bags, placed on ice, and stored inside coolers. Borings were backfilled with bentonite chips, except for the upper 1 foot, which was backfilled with the cuttings. No excess soils were generated during excavation of the borings. Photographs of the boring locations are provided in Appendix A.

Samples tested for volatile organic compounds (VOCs) were collected using an EnCore sampler using EPA method 5035 and the manufacturer's instructions. At the selected sampling locations, a soil sample was taken using a stainless steel sleeve, as described above. The sleeve was removed from the core sampler, and subcored samples were then immediately collected in three 5-gram Encore samplers. The Encore samples were immediately capped, labeled, and placed in the supplied sample bag. The boring locations and sample depths were specified on the sample label.

The soil samples were stored in a pre-chilled ice chest and maintained at 4 degrees Celsius, plus or minus 2 degrees Celsius with wet ice, and kept chilled until delivered to the analytical laboratory. The soil samples were placed in the ice chest to minimize movement during transport.



The quality assurance/quality control (QA/QC) soil samples were labeled such that the samples would not be distinguished as QA/QC samples by the testing laboratory. However, the same labeling convention (i.e., boring location and sample depth) was still used for these samples.

The borings were logged by a staff engineer working under the supervision of a licensed Civil Engineer and a Certified Engineering Geologist. The boring logs document the sample location, sampling procedures, and other pertinent field activities. Logs of the borings are presented in Appendix B. The soil samples were reviewed at DYA's office by the supervising Civil Engineer, with the Certified Engineering Geologist reviewing the boring logs.

Soils encountered in the test borings were classified in general accordance with the ASTM Soil Classification System (ASTM D2488) and presented on boring logs. Chain-of-custody procedures are described in Section 7.2.



6.0 LABORATORY ANALYSIS

Test America, Inc. in Irvine, California, performed laboratory testing for the Project. Test America, Inc. is certified by the State of California Department of Health Services (DHS) to perform the designated analyses. Laboratory reports are presented in Appendix C.

6.1.1 ADL

Soil samples from each boring were analyzed for lead total threshold limit concentration (TTLC) by U.S. EPA Method 6010B. Caltrans guidelines (2001) recommend that soil samples with lead TTLC less than 1,000 milligrams per kilogram (mg/kg), but greater than or equal to 50 mg/kg, be tested for soluble lead using the California waste extraction test (WET) to determine the soluble threshold limit concentration (STLC) using EPA method 6010B. The eleven soil samples with the greatest TTLC were tested for toxicity characterization leaching procedure (TCLP), using EPA method 6010B. In addition, four soil samples were analyzed for soil pH (EPA 9045C). Three of the soil samples were tested for California Title 22 Metals. A summary of the ADL laboratory test results is presented in Table 1. The laboratory test results are also summarized on the cross section shown on Figure 3. The location of the cross section is shown on Figure 2.



Table 1 - ADL LABORATORY TEST RESULTS

SAMPLE ID.	DEPTH (feet)	TOTAL LEAD	SOLUBLE LEAD	
		TTLIC (mg/kg)	STLC WET (mg/l)	TCLP (mg/l)
CAB-1	0	ND		
	1	6.1		
	2	6.4		
	5	6.9		
CAB -2	0	180	8.3	0.13
	1	7.9		
	2	7.1		
	5	34		
CAB -3	0	960	48	0.31
	1	7.7		
	2	910	33	0.24
	5	47		
CAB -4	0	82	5	
	1	130	6	ND
	2	21		
	5	2.9		
CAB -5	0	180	9.7	ND
	1	66	5.1	0.30
	2	78	1.8	
	5	68	0.24	
CAB -6	0	270	6.1	0.19
	1	690	38	0.58
	2	110	7.1	
	5	13		
CAB -7 ¹	0	120	7.5	ND
	1	130	9.5	ND
	2	130	8.3	1.4
	5	7.5		

Notes:

1. Samples collected from CAB-7 are the duplicate samples for CAB-4.
- STLC = Soluble threshold limit concentration.
- TTLIC = Total threshold limit concentration.
- Samples with TTLIC greater than 50 mg/kg are in bold face type.
- Samples with STLC greater than 5 mg/l are in bold face type.
- mg/kg = milligrams per kilogram.
- mg/l = milligram per liter.

6.1.2 Metals

Selected soil samples collected from Borings CAB-1, CAB-3, and CAB-5 were analyzed for the California Title 22 list of 17 hazardous waste metals. Results from these laboratory tests are summarized in Table 2.



6.1.3 TRPH and VOC

Soil samples collected were observed visually for hydrocarbon staining and monitored using a photoionization detector (PID) during the field investigation. None of the soil samples indicated elevated levels of hydrocarbons based on the visual observations or PID readings. At a depth of 3 feet below the ground surface (bgs), soil samples at CAB-1 and CAB-4 were tested for total recoverable petroleum hydrocarbons (TRPH, EPA test method 8015 [gas and diesel]) and VOCs (EPA test method 8260); the soil sample collected from CAB-5 at 3 feet was tested for VOCs. The results of the TRPH and VOC laboratory analyses indicate that no further action is warranted.



7.0 QUALITY ASSURANCE/QUALITY CONTROL

7.1 DECONTAMINATION

The sampling equipment was decontaminated prior to collecting each soil sample. The decontamination consisted of washing the equipment and/or sampler in water mixed with a nonphosphate detergent, rinsing with water, rinsing with distilled water, and then drying using paper towels (paper towels were used once.) Brushes were used with the nonphosphate detergent to remove debris from the hand-augering equipment prior to rinsing. Decontamination water was disposed of in the landscaped area such that the water would not run off into a storm drain.

7.2 CHAIN OF CUSTODY

Soil samples were collected in stainless steel tubes and stored in a cooler with ice. EnCore samples collected at the same depth within a boring were placed in a single Ziploc bag, which was then stored in a cooler on ice. A chain-of-custody form was filled out to track the soil samples. The chain-of-custody form traveled with the cooler and documented that the samples were maintained in possession until relinquished to the laboratory. The chain-of-custody form remained with the soil samples at all times and was placed in the cooler with the samples. The completed chain-of-custody form was placed in a waterproof carrier (e.g., zip-lock bag), and taped to the inside lid of the cooler. Each person involved in the chain of possession signed the chain-of-custody form when sample custody was relinquished or received. Custody of a sample is defined as being in one's actual possession, being in one's view after being in his or her physical possession, was in one's physical possession and that person then locked it up to prevent tampering, and/or in an identified and designated secure area. Copies of the chain-of-custody forms are provided with the results of the laboratory testing in Appendix C.



7.3 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) SAMPLES

7.3.1 Field QA/QC

7.3.1.1 Equipment Blank

Two equipment blanks were collected by pouring deionized water through the sampling device and into a glass jar after decontamination was completed. The testing for the equipment blanks was consistent with the testing performed on samples collected using the equipment. The blank samples were tested for TPH, VOCs, and Title 22 metals. The results for the testing of the equipment blank were below reporting limits.

7.3.1.2 Trip Blank

One trip blank was collected from the ice chest water used to transport samples. The trip blank was analyzed for VOC, and the test results were below reporting limits.

7.3.1.3 Duplicate Blank

Five duplicate blank samples were collected from Boring CAB-4 by co-located samples. For QA/QC purposes, the duplicate blank samples were labeled as having been collected from Boring CAB-7. The testing for the duplicate blanks was consistent with the testing performed on the original co-located samples. The duplicate soil samples collected at depth of 0, 1, 2, and 5 feet bgs were tested for lead, and the sample collected at 3 feet bgs was tested for TRPH and VOCs; the results were considered by DYA to be consistent with the original samples. ADL test results are presented in Table 1.

7.3.2 Laboratory QA/QC

Laboratory QA/QC was performed in accordance with the respective EPA protocols, and is described in the laboratory analysis reports presented in Appendix C.



8.0 INVESTIGATIVE RESULTS AND FIELD OBSERVATIONS

8.1 SUBSURFACE

Soils encountered in the borings generally consisted of silty sand. Groundwater was not encountered during sampling excavations.

8.2 LABORATORY RESULTS

8.2.1 Comparative Guidelines

The following reference guidelines were used for comparison to evaluate the laboratory test results:

- Caltrans/DTSC for ADL, Proposed Soil Lead Management Criteria as Part of Caltrans Highway Construction Maintenance (Caltrans, 1998), and Lead Testing Recommendations for Districts with Aerially Deposited Lead Variance (Caltrans, 2001) was used for evaluation of ADL concentration.
- California Health and Safety Code (HSC), Division 20, Chapter 6.5, Hazardous Waste Control (HSC, 2003) was used for comparison to hazardous waste classification concentrations.
- California Environmental Protection Agency (CAL EPA, 2005), Use of California Human Health Screening Levels (CHHSL) for use in Evaluating Contaminated Properties, guidelines used to compare concentrations of certain hazardous chemical constituents in soil to thresholds of concern for risk to human health.
- Background Concentrations of Trace and Major Elements in California Soils (Kearny, 1996), used as a frame of reference to evaluate for elevated metals in soils.

8.2.2 Lead

A summary of the laboratory results for the discrete soil samples tested for lead is provided in Table 3. As shown in Table 3, none of the discrete soil samples tested had concentrations of lead that exceeded regulatory (CCR Title 22) TTLC of 1,000 mg/kg, but twelve samples exceeded the regulatory STLC of 5 milligrams per liter (mg/l).



Table 3 - SUMMARY OF LABORATORY RESULTS (Lead and pH)

NUMBER OF TESTS								pH (average)
TTLC (mg/kg)				STLC (mg/l)		TCLP (mg/l)		
<50	50 to 350	350 to 1,000	>1,000	≤5	>5	≤5	>5	
13	12	3	0	3	12	11	0	8.1
Notes: <ul style="list-style-type: none"> • TTLC = Total threshold limit concentration = EPA Method 6010. • STLC = soluble threshold limit concentration. • DI-WET = California STLC method with deionized water. • mg/kg = milligrams per kilogram. • mg/L = milligrams per liter. 								

The samples with STLC values greater than 5 mg/l were tested for toxicity characterization leaching procedure (TCLP). The results of the eleven tests performed were below the federal regulatory limit of 5 mg/l.

8.2.3 pH

The values of pH varied from 6.8 to 8.4 and the average value is summarized in Table 3. None of the discrete soil samples tested had pH levels less than 5.

8.2.4 Title 22 Metals

None of the discrete soil samples tested for Title 22 metals, except lead, had concentrations that exceeded the regulatory TTLC values for hazardous waste specified in the California Code of Regulations Title 22.

8.2.5 TRPH and VOC

The results of the TPH and VOC laboratory analyses indicate that the concentrations recorded in the samples tested do not exceed regulatory limits.



9.0 ADL DATA EVALUATION AND DISCUSSION

9.1 ADL DATA ANALYSIS

Results of the ADL laboratory tests were evaluated using statistical analysis methods prescribed by Caltrans guidelines for ADL. DYA analyzed the lead testing data on a combined layer with all the samples using statistical methods noted in EPA SW-846. The mean, median, standard deviation, and 95 percent upper confidence limit (UCL) were calculated for TTLC. A regression analysis of TTLC versus STLC was performed to determine the correlation between the total lead and soluble lead for which the data is a bivariate with a linear structure, as shown on Figure 4. STLC was a predicted value corresponding to the 95 percent UCL for TTLC based on the regression analysis. The regression analysis also served as a quality check of field and laboratory procedures.



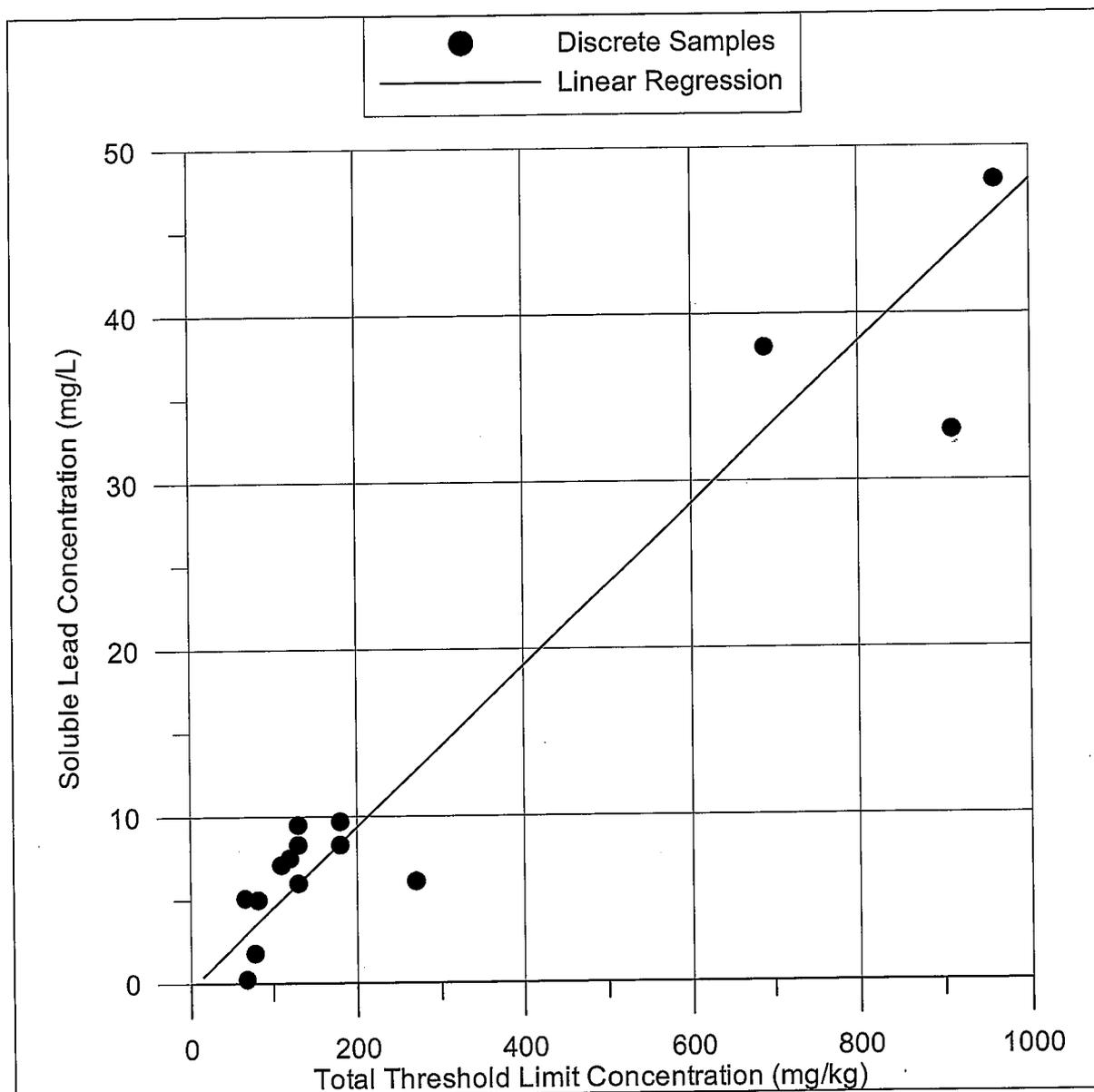


Figure 4 - CORRELATION OF TOTAL LEAD TO SOLUBLE LEAD

The data sets were checked for the appropriate number of samples, and in the datasets, the number of samples tested for TTLC exceeded the minimum number required for a statistical analysis according to EPA SW-846.

The 95 percent UCL values were used to determine handling and disposal of excess soil in accordance with CCR Title 22 (1,000 mg/kg regulation limit). The analysis was performed to obtain an efficient management of soil using a combined layer analysis.



9.2 ADL CRITERIA

Waste soil is classified as hazardous waste if the TTLC is greater than 1,000 mg/kg or greater than 5 mg/L STLC.

9.3 ADL STATISTICAL EVALUATION

Statistical analyses were performed on a combined layer using an arcsine transformation in accordance with EPA SW-846, since the TTLC variance was higher than the TTLC mean. The calculated 95 percent UCL was then reverse transformed to obtain the concentration values. The combined layer did not exceed the threshold for nonhazardous waste of 1,000 mg/kg TTLC content or 5 mg/l STLC content. The analysis is provided in Appendix D.

As specified in the Caltrans ADL Guidelines (2002), the correlation coefficient between TTLC and STLC was calculated to evaluate the quality of sampling procedures and laboratory testing. Based on the data set, the correlation coefficient was calculated to be 0.96.

A linear regression analysis of the STLC versus TTLC was graphed and a best fit line was plotted for the data, as shown on Figure 4. A least squares method was used to estimate a straight line correlation. This graph can be used to approximate the expected STLC from the TTLC.



10.0 CONCLUSIONS AND RECOMMENDATIONS

The existing undisturbed soils are not considered potentially hazardous waste until the soil is excavated. Based on linear regression analysis and statistical analysis for the samples, the existing soils, if left in place, will have a TTLC concentration greater than 100 mg/kg, and a corresponding STLC concentration greater than 5 mg/l. Because the STLC is greater than 5 mg/l, it should be classified by CCR Title 22 as hazardous waste. Most of the higher concentrations of lead were within the upper 2 feet of soil.

To reduce the ADL levels in the composite soil that will remain onsite, the upper 1-foot of soil across the site should be removed and disposed offsite as waste. Also, an additional 2 feet of soil (total 3 feet) should be removed in the vicinity of Boring CAB-3 between Stations 62+50 and 63+75, and an additional foot (total 2 feet) should be removed in the vicinity of Boring CAB-6 between Stations 66+00 and 68+00, approximately. The recommended depths of removal for the site are displayed graphically on Figure 3. The ultimate extent of the excavation will consist of the area bound by the existing edge of pavement and the limits of the excavation as shown on the plans; as otherwise deemed necessary for construction; or as directed by the Engineer. Upon completion of the recommended removals, the revised linear regression analysis of the composite soil remaining on site will have a TTLC of less than 100 mg/kg, and STLC less than 5 mg/l. Therefore, it is our opinion that there are no restrictions on the use of the remaining soil excavated at the Project as fill within the corridor or disposed offsite.

10.1 USE OF SOIL ONSITE

The statistical results indicated that after the recommended removals have been performed and disposed offsite, waste soil generated by earthwork or excavation in the remaining upper 5 feet will be below 1,000 mg/kg TTLC and 5 mg/l STLC. In our opinion, after the initially excavated soils have been disposed offsite, there will be no restrictions on the use of the remaining soil excavated at the Project site. If the soil is not used within the corridor as described above, the excavated soil stockpile should be tested to determine the appropriate waste disposal as discussed in Section 10.2.



10.2 WASTE

10.2.1 Classification of Waste

The soils to be removed and disposed offsite had a statistical TTLC concentration greater than 650 mg/kg with a correlated STLC concentration greater than 5 mg/l. Waste with TTLC levels greater than 1,000 mg/kg or STLC levels greater than 5 mg/L are in excess of California hazardous waste criteria and must be disposed of in a Class I hazardous waste landfill. In addition, waste with TCLP levels greater than 5 mg/l are in excess of federal hazardous waste criteria and must be disposed of in a Class I hazardous waste landfill. A remediation specialist should be consulted for options other than disposal offsite. The remaining soils below the recommended removals had a statistical TTLC concentration of less than 100 mg/kg with a correlated STLC concentration less than 5 mg/l. There is no restriction on disposal of soil with TTLC less than 1,000 mg/kg and STLC less than 5 mg/L, but excavated soil stockpiles should be tested prior to disposal.

The contractor should prepare a project-specific lead compliance plan to prevent or minimize worker exposure to lead while handling material containing ADL. Attention is directed to Title 8, California Code of Regulations, Section 1532.1, "Lead," for specific California Department of Industrial Relations, Division of Occupational Safety and Health (Cal-OSHA) requirements when working with lead.

10.2.2 Disposal Volume

The volume of soil to be disposed will depend on actual grading activities. The actual limits of the excavation are unknown at this time. Soils at depths greater than the proposed removals are considered nonhazardous and should not have restrictions on disposal. The volume of nonhazardous soils is unknown at this time.



11.0 LIMITATIONS

This report was prepared for this project in accordance with generally accepted geotechnical engineering practices common to the local area. No other warranty, expressed or implied, is made.

The analyses and recommendations contained in this report are based on the literature review, field investigation, and laboratory testing conducted in the area. The results of the field investigation indicate subsurface conditions only at the specific locations and times, and only to the depths penetrated. They do not necessarily reflect strata variations that may exist between such locations.

The validity of our recommendations is based in part on assumptions about the stratigraphy. Observations during construction can help confirm such assumptions. If subsurface conditions different from those described are noted during construction, recommendations in this report must be reevaluated.

This report is intended for use only for the project described. In the event that any changes in the nature, design, or location of the facilities are planned, the conclusions and recommendations contained in this report should not be considered valid unless the changes are reviewed and conclusions of this report modified or verified in writing by DYA. We are not responsible for any claims, damages, or liability associated with the interpretation of subsurface data or reuse of the subsurface data or engineering analyses without our express written authorization.



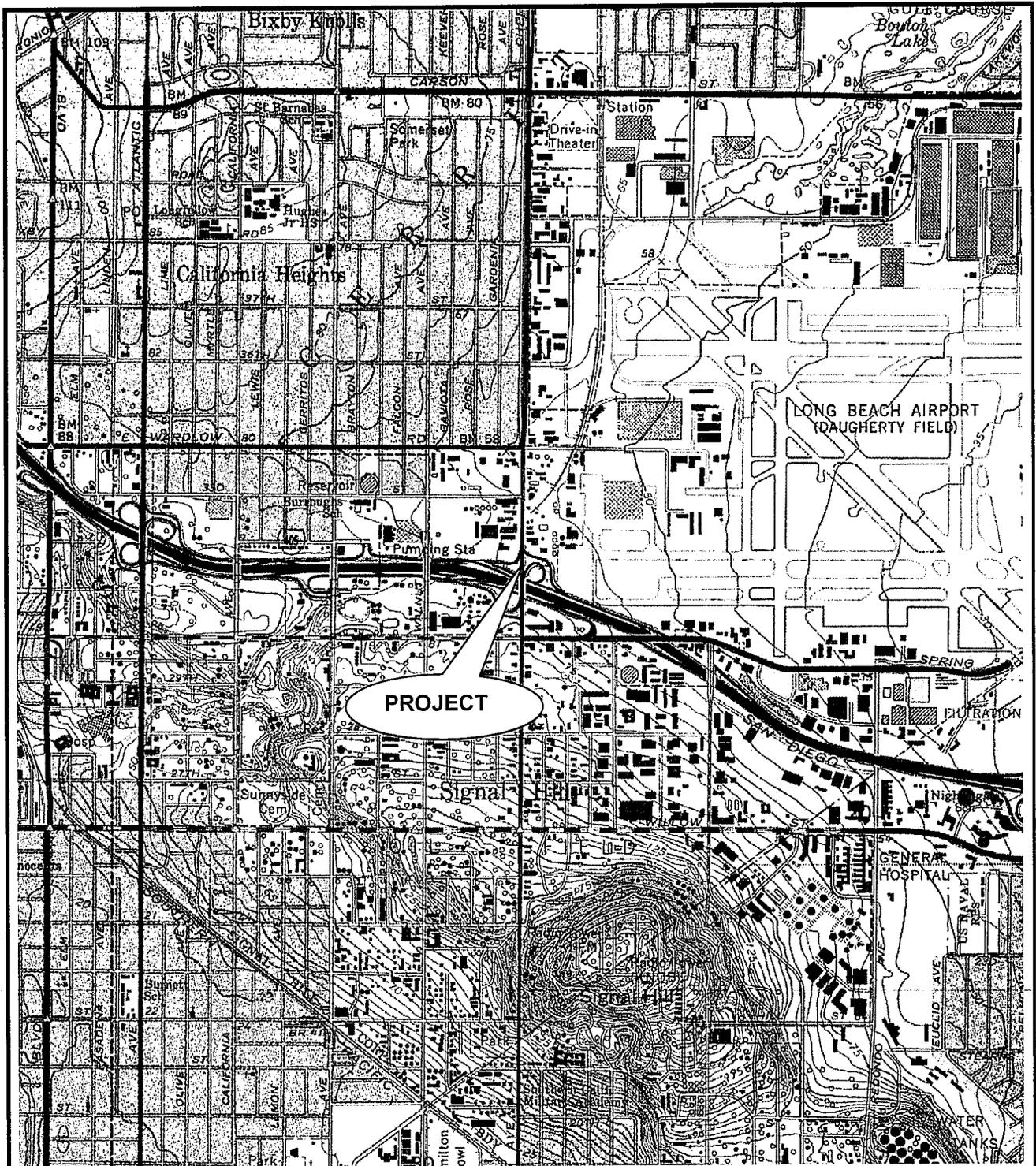
12.0 BIBLIOGRAPHY

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APPENDIX A
SITE PHOTOGRAPHS AND MAPS





DIAZ YOURMAN & ASSOCIATES
 1616 E. SEVENTEENTH ST.
 SANTA ANA, CA 92705
 PROJECT No. 220-05

TOPOGRAPHIC MAP- FLOWER ST. / USC
 Cherry Avenue / 405 Freeway Interchange
 USGS Hollywood, CA 7.5 Quad., 1964, revised 1981



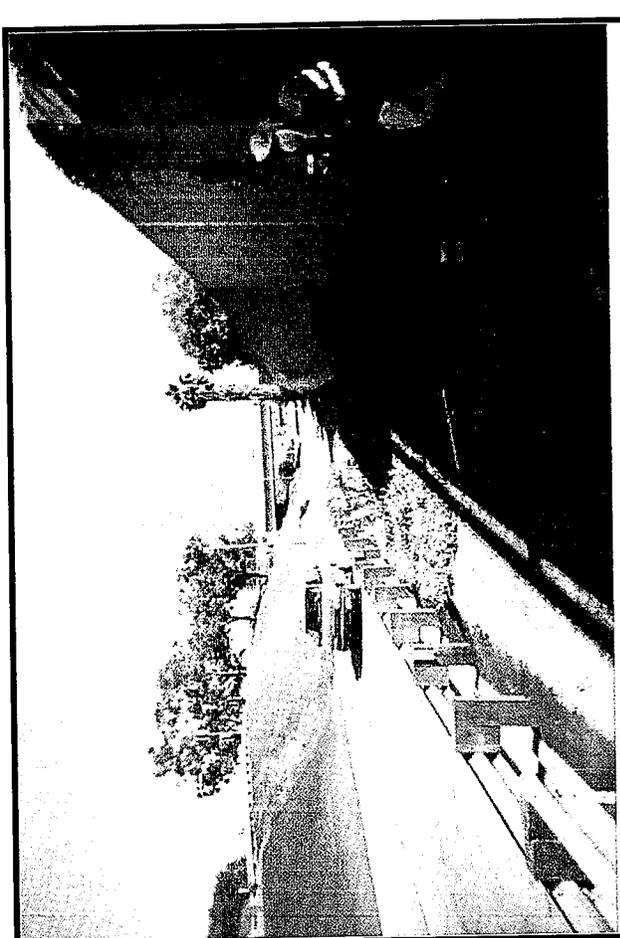


Photo 1:
View from the south of Boring Location CAB-1.



Photo 2:
View from the west of Boring Location CAB-2.

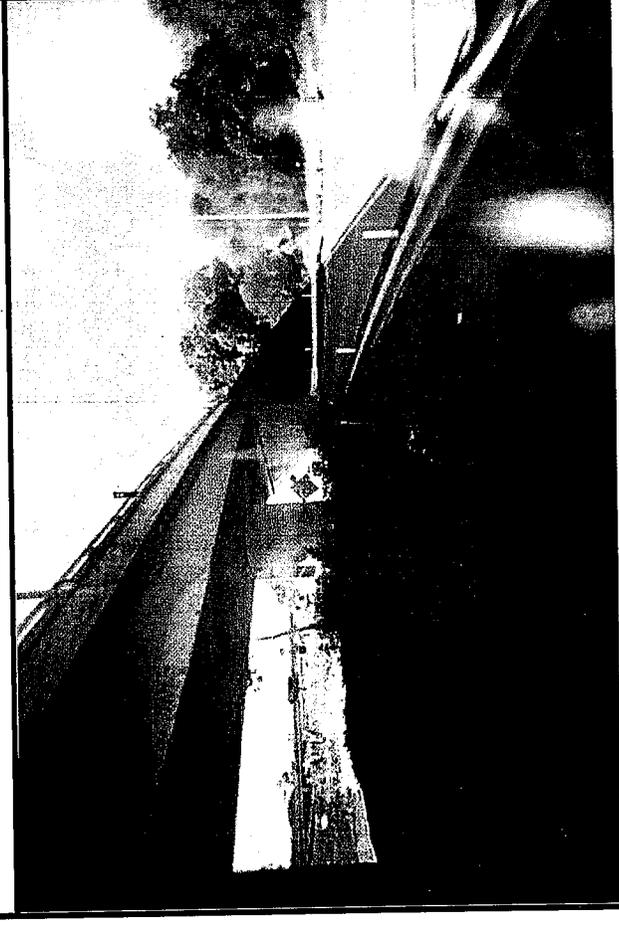


Photo 3:
View from the east of Boring Location CAB-3.

Phase II Environmental Investigation
Aerially Deposited Lead (ADL) Study
North-Bound Collector Ramp
Cherry Avenue at I-405
Long Beach, California
Diaz Yourman Associates No. 2008-026
Photo date: October 14, 2008



Photo 5:

View from the west of Boring Location CAB-4.

Phase II Environmental Investigation
Aerially Deposited Lead (ADL) Study
North-Bound Collector Ramp
Cherry Avenue at I-405
Long Beach, California

Diaz Yourman Associates No. 2008-026
Photo date: October 14, 2008

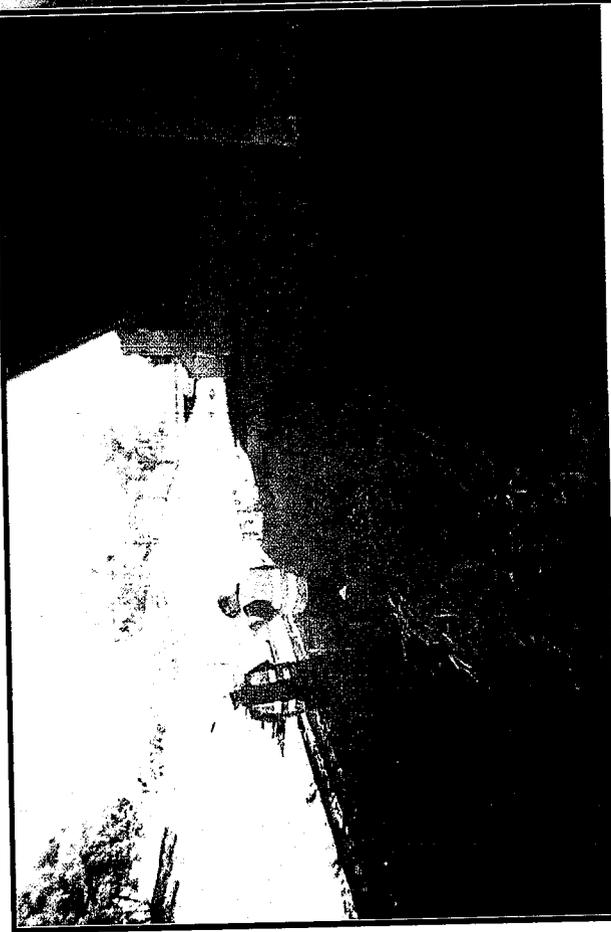


Photo 4:

View from the west of Boring Location CAB-3.

Photo 6:

View from the south of Boring Location CAB-4.





Photo 7:
View from the west of Boring Location
CAB-5.

Photo 8:
View from the north of Boring Location
CAB-5.

Phase II Environmental Investigation
Aerially Deposited Lead (ADL) Study
North-Bound Collector Ramp
Cherry Avenue at I-405
Long Beach, California
Diaz Yourman Associates No. 2008-026
Photo date: October 14, 2008

Photo 9:
View from the south of Boring Location
CAB-6.

**APPENDIX B
BORING LOGS**



SOIL CLASSIFICATION SYSTEM-ASTM D2487

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE-GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GP	POORLY GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		SAND AND SANDY SOILS	CLEAN SANDS (LITTLE OR NO FINES)		SW
	SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)			SM	SILTY SANDS, SAND - SILT MIXTURES
	FINE-GRAINED SOILS		SILTS AND CLAYS		ML
		SILTS AND CLAYS		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
FINE-GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
				MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

- "Push" Sampler
- Split Barrel "Drive" Sampler With Liner
- Standard Penetration Test (SPT) Sampler
- Bag Sample
- Concrete/Rock Core
- Groundwater Surface

SPT "N" = 0.65 x modified California blows per foot

- NP = Nonplastic
- EI = Expansion Index Test
- SG = Specific Gravity
- SE = Sand Equivalent
- UC = Unconfined Comp.
- CD = Consol. Drained Triaxial.
- CU = Consol. Undrained Triaxial.
- UU = Undrained, Unconsol. Triaxial.
- RV = R-Value
- CA = Chemical Analysis
- DS = Direct Shear
- CN = Consolidation
- CP = Collapse Potential
- SA = Grain size; HD = Hydrometer
- MD = Compaction Test
- HC = Hydraulic Conductivity Test
- [PID] Reading in ppm above background



BORING LOCATION: See Figure 2	ELEVATION AND DATUM (feet): 39 MSL
LATITUDE: 33° 48' 51.3" N	LONGITUDE: 118° 10' 7.2" W
DRILLING EQUIPMENT:	DRILLING METHOD: Hand Auger
BORING DIAMETER (inches): 4	BORING DEPTH (feet): 5.5
DATE STARTED: 10/14/08	DATE COMPLETED: 10/14/08
SPT HAMMER DROP: 30 inches WT: 140 lbs	DRIVE HAMMER DROP: inches WT: lbs
LOGGED BY: WKD CHECKED BY: CI	DRIVE SAMPLER DIAMETER (inches) ID: 2.4 OD: 3

Elevation (feet)	Depth (feet)	Sampler	Symbol	Blows per 6 Inches	SPT N	Blows per Foot	Field Unc. Comp. Str. (tsf)	DESCRIPTION	Dry Density (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Percent Passing #200 Sieve	Other Tests [P/D]
								ASPHALT CONCRETE (AC)						[0]
								SILTY SAND (SM): brown, moist, fine- to medium-grained sand						[0]
														[0]
														[0]
35														[0]
	5							Bottom of boring at 5.5 feet. Groundwater not encountered during drilling. Boring backfilled with bentonite chips to 1 foot bgs, then to surface with cuttings.						[0]
30														
	10													
25														

LOG OF BORING CAB-1

Page 1 of 1
 Caltrans Cherry Avenue Phase II Investigation
 Project No. 2008-026

PLATE
B2



Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J22104 Extracted: 10/22/08										
Matrix Spike Analyzed: 10/22/2008 (8J22104-MS1)					Source: IRJ1808-01					
Thallium	42.2	10	mg/kg	50.0	1.65	81	75-125			
Vanadium	75.6	1.0	mg/kg	50.0	ND	151	75-125			MI
Zinc	76.8	5.0	mg/kg	50.0	2.66	148	75-125			MI
Matrix Spike Dup Analyzed: 10/22/2008 (8J22104-MSD1)					Source: IRJ1808-01					
Antimony	47.9	10	mg/kg	50.0	ND	96	75-125	4	20	
Arsenic	54.1	2.0	mg/kg	50.0	ND	108	75-125	2	20	
Barium	98.3	1.0	mg/kg	50.0	46.7	103	75-125	0	20	
Beryllium	50.3	0.50	mg/kg	50.0	0.245	100	75-125	2	20	
Cadmium	47.8	0.50	mg/kg	50.0	ND	96	75-125	3	20	
Chromium	61.1	1.0	mg/kg	50.0	0.965	120	75-125	1	20	
Cobalt	52.5	1.0	mg/kg	50.0	0.364	104	75-125	2	20	
Copper	59.4	2.0	mg/kg	50.0	ND	119	75-125	2	20	
Lead	52.3	2.0	mg/kg	50.0	ND	105	75-125	2	20	
Molybdenum	46.1	2.0	mg/kg	50.0	ND	92	75-125	3	20	
Nickel	54.9	2.0	mg/kg	50.0	0.622	108	75-125	1	20	
Selenium	46.3	2.0	mg/kg	50.0	ND	93	75-125	7	20	
Silver	24.2	1.0	mg/kg	25.0	ND	97	75-125	2	20	
Thallium	44.0	10	mg/kg	50.0	1.65	85	75-125	4	20	
Vanadium	74.9	1.0	mg/kg	50.0	ND	150	75-125	1	20	MI
Zinc	74.9	5.0	mg/kg	50.0	2.66	145	75-125	2	20	MI

Batch: 8J23167 Extracted: 10/23/08

Blank Analyzed: 10/24/2008 (8J23167-BLK1)

Lead	ND	2.0	mg/kg							
------	----	-----	-------	--	--	--	--	--	--	--

TestAmerica Irvine

Lena Davidkova
 Project Manager

Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J23167 Extracted: 10/23/08										
LCS Analyzed: 10/24/2008 (8J23167-BS1)										
Lead	46.4	2.0	mg/kg	50.0		93	80-120			
Matrix Spike Analyzed: 10/24/2008 (8J23167-MS1)										
Lead	48.8	2.0	mg/kg	50.0	4.32	89	75-125			
Matrix Spike Analyzed: 10/24/2008 (8J23167-MS2)										
Lead	61.6	2.0	mg/kg	50.0	29.5	64	75-125			M2
Matrix Spike Dup Analyzed: 10/24/2008 (8J23167-MSD1)										
Lead	47.5	2.0	mg/kg	50.0	4.32	86	75-125	3	20	
Matrix Spike Dup Analyzed: 10/24/2008 (8J23167-MSD2)										
Lead	60.1	2.0	mg/kg	50.0	29.5	61	75-125	2	20	M2

TestAmerica Irvine

Lena Davidkova
 Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

IRJ1808 <Page 55 of 57>

Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

DATA QUALIFIERS AND DEFINITIONS

- I** Internal Standard recovery was outside of method limits. Matrix interference was confirmed.
- L** Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
- M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- MX** The MS and/or MSD were outside of the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- RL4** Reporting limit raised due to insufficient sample volume.
- Z** Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
- ZX** Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

ADDITIONAL COMMENTS

For Volatile Fuel Hydrocarbons (C6-C12):

Volatile Fuel Hydrocarbons (C6-C12) are quantitated against a gasoline standard.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

TestAmerica Irvine

Lena Davidkova
Project Manager

Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 6010B	Soil	X	X
EPA 6010B	Water	X	X
EPA 7470A	Water	X	X
EPA 7471A	Soil	X	X
EPA 8015 Mod.	Soil	X	X
EPA 8015 Mod.	Water	X	X
EPA 8015B MOD.	Soil	N/A	N/A
EPA 8015B MOD.	Water	X	X
EPA 8260B	Soil	X	X
EPA 8260B	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Lena Davidkova
Project Manager

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IRJ1808 <Page 57 of 57>

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013(1007)

Client Name /Address:

Diaz Youman
1616 E 17TH ST. Santa Ana

Project Manager:

Gary Gilbert

Sampler:

CHAIN OF CUSTODY FORM

Project ID Number

6010
2008-026

Phone Number:

714 245 2920

Fax Number:

Analysis Required

VOC 8260
8015 Gas
Diesel
Lead
6010

IPJ1808

Page

1 of 3

17461 Derian Ave., #100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Special Instructions
B-1 @ 0'	soil tube		1	10/14/08	2:40	NO	
B-1 @ 1'					2:47		
B-1 @ 2'					2:43		
B-1 @ 3'			*		2:45		
B-1 @ 5'					2:55		
B-2 @ 0'					2:07		
B-2 @ 1'					2:04		
B-2 @ 2'					2:13		
B-2 @ 5'					2:29		
B-3 @ 0'							
B-3 @ 1'							
B-3 @ 2'							
B-3 @ 5'							

Relinquished By: *[Signature]* Date/Time: 10/14/08 5:25 pm 10/14/08

Received By: *[Signature]* Date/Time: 10/14/08 17:25

Turnaround Time: (Check) same day 24 hours 48 hours 72 hours

Sample Integrity: (Check) intact on ice

Date/Time: 10/14/08 17:25

6.2/5.4

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013(1007)

Client Name /Address:

Diaz Younman
1616 E 17th Santa Ana, Ca

Project Manager:

Gary Gilbert

Sampler:

CHAIN OF CUSTODY FORM

Project AP Number:

2008-026

Phone Number:

714 249 2920

Fax Number:

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Lead	Cadmium	Mercury	Asbestos	PCBs	VOCs	SVOCs	Metals	Other	Special Instructions
B-4 @ 0'	soil	55 tube	1	10/14/08	12:26		X									
B-4 @ 1'					12:29		X									
B-4 @ 2'					12:42		X									
B-4 @ 3'			*		12:59		X									"XEN CORE"
B-4 @ 5'					1:09		X									
B-5 @ 0'					12:00		X									
B-5 @ 1'					12:05		X									
B-5 @ 2'					12:06		X									
B-5 @ 3'			*		12:09		X									"XEN CORE"
B-5 @ 5'					12:12		X									
B-6 @ 0'					11:30											
B-6 @ 1'					11:35											
B-6 @ 2'					11:40											
B-6 @ 5'					11:45											
Relinquished By: [Signature] Date/Time: 10/14/08 5:25 pm																
Relinquished By: [Signature] Date/Time: 10/14/08 17:25																
Relinquished By: [Signature] Date/Time: 10/14/08 17:25																

Turnaround Time: (Check)

same day _____ 72 hours _____
24 hours _____ 5 days _____
48 hours _____ normal _____

Sample Integrity: (Check)

Intact on ice 0.25.4

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

17461 Derian Ave., #100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3820 FAX (702) 798-3621

TestAmerica

ANALYTICAL TESTING CORPORATION

CHAIN OF CUSTODY FORM

Page 3 of 3

IR51808

Client Name/Address:	Project Manager:	Project/PO Number:	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required			Special Instructions
									Lead 610	TOH 610	VOC 826	
Diaz Younman see p. 1		Cherry Ave 2008-026	soil tube		1	10/14/08	12:26		X			
					1		12:27		X			
					1		12:42		X			
				*	*		12:59		X	*		*ENCORE
					1		1:09		X			
			Water	1-12 Topsoil					X	X		
				3-49 ml VOC					X	X		
				50g water plank					X	X		
			Water	" "		10/14/08			X	X		
			Water	" "		10/14/08			X	X		
			Water	Blank	3	10/14/08			X	X		
Relinquished By:		Date/Time:										
Relinquished By:		Date/Time:										
Relinquished By:		Date/Time:										
Received By:		Date/Time:										
Received By:		Date/Time:										
Received in Lab By:		Date/Time:										
Turnaround Time: (Check)		same day										
		24 hours										
		48 hours										
Sample Integrity: (Check)		intact										
		on ice										

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

LABORATORY REPORT

Prepared For: Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project: Cherry Ave / 2008-026
Cherry Ave / 2008-026

Sampled: 10/14/08
Received: 10/31/08
Issued: 11/13/08 11:21

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IRJ3133-01	B-2@0'	Soil
IRJ3133-02	B-3@0'	Soil
IRJ3133-03	B-3@2'	Soil
IRJ3133-04	B-4@0'	Soil
IRJ3133-05	B-4@1'	Soil
IRJ3133-06	B-5@0'	Soil
IRJ3133-07	B-5@1'	Soil
IRJ3133-08	B-5@2'	Soil
IRJ3133-09	B-5@5'	Soil
IRJ3133-10	B-7@0'	Soil
IRJ3133-11	B-7@1'	Soil
IRJ3133-12	B-7@2'	Soil

Reviewed By:



TestAmerica Irvine

Lena Davidkova
Project Manager

Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ3133

Sampled: 10/14/08
Received: 10/31/08

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ3133-01 (B-2@0' - Soil) Reporting Units: pH Units								
pH	EPA 9045C	8K05076	0.100	8.09	1	11/5/2008	11/5/2008	H-1
Sample ID: IRJ3133-02 (B-3@0' - Soil) Reporting Units: pH Units								
pH	EPA 9045C	8K03090	0.100	8.16	1	11/3/2008	11/3/2008	H3
Sample ID: IRJ3133-03 (B-3@2' - Soil) Reporting Units: pH Units								
pH	EPA 9045C	8K03090	0.100	8.36	1	11/3/2008	11/3/2008	H3
Sample ID: IRJ3133-06 (B-5@0' - Soil) Reporting Units: pH Units								
pH	EPA 9045C	8K03090	0.100	7.69	1	11/3/2008	11/3/2008	H3

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Project Manager

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IRJ3133 <Page 2 of 14>

Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ3133

Sampled: 10/14/08
 Received: 10/31/08

TCLP METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	TCLP Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ3133-01 (B-2@0' - Soil)									
Reporting Units: mg/l									
Lead	6010B-TCLP	8K10086	0.10	0.13	1	5.0	11/10/2008	11/11/2008	
Sample ID: IRJ3133-02 (B-3@0' - Soil)									
Reporting Units: mg/l									
Lead	6010B-TCLP	8K10086	0.10	0.31	1	5.0	11/10/2008	11/11/2008	
Sample ID: IRJ3133-03 (B-3@2' - Soil)									
Reporting Units: mg/l									
Lead	6010B-TCLP	8K10086	0.10	0.24	1	5.0	11/10/2008	11/10/2008	
Sample ID: IRJ3133-05 (B-4@1' - Soil)									
Reporting Units: mg/l									
Lead	6010B-TCLP	8K10086	0.10	ND	1	5.0	11/10/2008	11/10/2008	
Sample ID: IRJ3133-06 (B-5@0' - Soil)									
Reporting Units: mg/l									
Lead	6010B-TCLP	8K10086	0.10	ND	1	5.0	11/10/2008	11/10/2008	
Sample ID: IRJ3133-07 (B-5@1' - Soil)									
Reporting Units: mg/l									
Lead	6010B-TCLP	8K10086	0.10	0.30	1	5.0	11/10/2008	11/10/2008	
Sample ID: IRJ3133-10 (B-7@0' - Soil)									
Reporting Units: mg/l									
Lead	6010B-TCLP	8K10086	0.10	ND	1	5.0	11/10/2008	11/10/2008	
Sample ID: IRJ3133-11 (B-7@1' - Soil)									
Reporting Units: mg/l									
Lead	6010B-TCLP	8K10086	0.10	ND	1	5.0	11/10/2008	11/10/2008	
Sample ID: IRJ3133-12 (B-7@2' - Soil)									
Reporting Units: mg/l									
Lead	6010B-TCLP	8K10086	0.10	1.4	1	5.0	11/10/2008	11/10/2008	

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17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax: (949) 260-3297

Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ3133

Sampled: 10/14/08
Received: 10/31/08

STLC METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	STLC Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ3133-01 (B-2@0' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K05144	0.10	8.3	1	5.0	11/5/2008	11/6/2008	
Sample ID: IRJ3133-02 (B-3@0' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K05144	0.10	48	1	5.0	11/5/2008	11/6/2008	
Sample ID: IRJ3133-03 (B-3@2' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K05144	0.10	33	1	5.0	11/5/2008	11/6/2008	
Sample ID: IRJ3133-04 (B-4@0' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K05144	0.10	5.0	1	5.0	11/5/2008	11/6/2008	
Sample ID: IRJ3133-05 (B-4@1' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K05144	0.10	6.0	1	5.0	11/5/2008	11/6/2008	
Sample ID: IRJ3133-06 (B-5@0' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K05144	0.10	9.7	1	5.0	11/5/2008	11/6/2008	
Sample ID: IRJ3133-07 (B-5@1' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K05144	0.10	5.1	1	5.0	11/5/2008	11/6/2008	
Sample ID: IRJ3133-08 (B-5@2' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K05144	0.10	1.8	1	5.0	11/5/2008	11/6/2008	
Sample ID: IRJ3133-09 (B-5@5' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K05144	0.10	0.24	1	5.0	11/5/2008	11/6/2008	
Sample ID: IRJ3133-10 (B-7@0' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K05144	0.10	7.5	1	5.0	11/5/2008	11/6/2008	

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Lena Davidkova
Project Manager

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Diaz Yourman
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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ3133

Sampled: 10/14/08
Received: 10/31/08

STLC METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	STLC Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ3133-11 (B-7@1' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K05144	0.10	9.5	1	5.0	11/5/2008	11/6/2008	
Sample ID: IRJ3133-12 (B-7@2' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K05144	0.10	8.3	1	5.0	11/5/2008	11/6/2008	

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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ3133

Sampled: 10/14/08
Received: 10/31/08

WASTE EXTRACTION TEST (STLC) - Metals/Inorganics

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
Sample ID: IRJ3133-01 (B-2@0' - Soil) Extraction	STLC-Met	8K03125	11/3/2008	11/5/2008	
Sample ID: IRJ3133-02 (B-3@0' - Soil) Extraction	STLC-Met	8K03125	11/3/2008	11/5/2008	
Sample ID: IRJ3133-03 (B-3@2' - Soil) Extraction	STLC-Met	8K03125	11/3/2008	11/5/2008	
Sample ID: IRJ3133-04 (B-4@0' - Soil) Extraction	STLC-Met	8K03125	11/3/2008	11/5/2008	
Sample ID: IRJ3133-05 (B-4@1' - Soil) Extraction	STLC-Met	8K03125	11/3/2008	11/5/2008	
Sample ID: IRJ3133-06 (B-5@0' - Soil) Extraction	STLC-Met	8K03125	11/3/2008	11/5/2008	
Sample ID: IRJ3133-07 (B-5@1' - Soil) Extraction	STLC-Met	8K03125	11/3/2008	11/5/2008	
Sample ID: IRJ3133-08 (B-5@2' - Soil) Extraction	STLC-Met	8K03125	11/3/2008	11/5/2008	

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Diaz Yourman
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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ3133

Sampled: 10/14/08
Received: 10/31/08

WASTE EXTRACTION TEST (STLC) - Metals/Inorganics

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
Sample ID: IRJ3133-09 (B-5@5' - Soil) Extraction	STLC-Met	8K03125	11/3/2008	11/5/2008	
Sample ID: IRJ3133-10 (B-7@0' - Soil) Extraction	STLC-Met	8K03125	11/3/2008	11/5/2008	
Sample ID: IRJ3133-11 (B-7@1' - Soil) Extraction	STLC-Met	8K03125	11/3/2008	11/5/2008	
Sample ID: IRJ3133-12 (B-7@2' - Soil) Extraction	STLC-Met	8K03125	11/3/2008	11/5/2008	

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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ3133

Sampled: 10/14/08
Received: 10/31/08

TCLP EXTRACTION - Metals

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
Sample ID: IRJ3133-01 (B-2@0' - Soil) Extraction	EPA 1311-Met	8K07139	11/7/2008	11/8/2008	
Sample ID: IRJ3133-02 (B-3@0' - Soil) Extraction	EPA 1311-Met	8K07139	11/7/2008	11/8/2008	
Sample ID: IRJ3133-03 (B-3@2' - Soil) Extraction	EPA 1311-Met	8K07139	11/7/2008	11/8/2008	
Sample ID: IRJ3133-05 (B-4@1' - Soil) Extraction	EPA 1311-Met	8K07139	11/7/2008	11/8/2008	
Sample ID: IRJ3133-06 (B-5@0' - Soil) Extraction	EPA 1311-Met	8K07139	11/7/2008	11/8/2008	
Sample ID: IRJ3133-07 (B-5@1' - Soil) Extraction	EPA 1311-Met	8K07139	11/7/2008	11/8/2008	
Sample ID: IRJ3133-10 (B-7@0' - Soil) Extraction	EPA 1311-Met	8K07139	11/7/2008	11/8/2008	
Sample ID: IRJ3133-11 (B-7@1' - Soil) Extraction	EPA 1311-Met	8K07139	11/7/2008	11/8/2008	

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Diaz Yourman
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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ3133

Sampled: 10/14/08
Received: 10/31/08

TCLP EXTRACTION - Metals

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
Sample ID: IRJ3133-12 (B-7@2' - Soil) Extraction	EPA 1311-Met	8K07139	11/7/2008	11/8/2008	

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IRJ3133 <Page 9 of 14>

Diaz Yourman
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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ3133

Sampled: 10/14/08
Received: 10/31/08

METHOD BLANK/QC DATA

TCLP METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8K10086 Extracted: 11/10/08										
Blank Analyzed: 11/11/2008 (8K10086-BLK1)										
Lead	ND	0.10	mg/l							
LCS Analyzed: 11/11/2008 (8K10086-BS1)										
Lead	2.00	0.10	mg/l	2.00		100	80-120			
Matrix Spike Analyzed: 11/11/2008 (8K10086-MS1)										
Lead	2.05	0.10	mg/l	2.00	0.133	96	75-125			

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IRJ3133 <Page 10 of 14>

Diaz Yourman
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Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ3133

Sampled: 10/14/08
Received: 10/31/08

METHOD BLANK/QC DATA

STLC METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8K05144 Extracted: 11/05/08										
Blank Analyzed: 11/06/2008 (8K05144-BLK1)										
Lead	ND	0.10	mg/l							
LCS Analyzed: 11/06/2008 (8K05144-BS1)										
Lead	18.4	0.10	mg/l	20.0		92	80-120			
Matrix Spike Analyzed: 11/06/2008 (8K05144-MS1)										
Lead	18.6	0.10	mg/l	20.0	ND	93	75-125			
Matrix Spike Dup Analyzed: 11/06/2008 (8K05144-MSD1)										
Lead	18.3	0.10	mg/l	20.0	ND	92	75-125	2	20	

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IRJ3133 <Page 11 of 14>

Diaz Yourman 1616 East 17th Street Santa Ana, CA 92705-8509 Attention: Gary Gilbert	Project ID: Cherry Ave / 2008-026 Cherry Ave / 2008-026 Report Number: IRJ3133	Sampled: 10/14/08 Received: 10/31/08
--	--	---

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8K03090 Extracted: 11/03/08										
Duplicate Analyzed: 11/03/2008 (8K03090-DUP1)										
pH	8.24	0.100	pH Units		8.16			1	5	H3
Batch: 8K05076 Extracted: 11/05/08										
Duplicate Analyzed: 11/05/2008 (8K05076-DUP1)										
pH	8.11	0.100	pH Units		8.09			0	5	

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Lena Davidkova
Project Manager

Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ3133

Sampled: 10/14/08
Received: 10/31/08

DATA QUALIFIERS AND DEFINITIONS

- H-1** Sample analysis performed past the method-specified holding time per client's approval.
- H3** Sample was received and analyzed past holding time.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

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IRJ3133 <Page 13 of 14>

Diaz Yourman
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Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ3133

Sampled: 10/14/08
Received: 10/31/08

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
6010B-STLC	Soil	X	X
6010B-TCLP	Soil	X	X
EPA 1311-Met	Soil	X	X
EPA 9045C	Soil	X	X
STLC-Met	Soil	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Project Manager

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IRJ3133 <Page 14 of 14>

1-2 IR53133
 Add on! See COO attached!

ADDITIONAL ANALYSIS REQUEST FORM

Date: 10/31 Project Manager: Lena Davidkov

Client: Diaz Yorman Contact: _____

Project: Cherry Ave / 2008-026

Date Sampled: 10/14/08 Date Received: 10/14/08

Request Via:

Telephone
 COC Form
 Fax
 E-mail
 Other

Status:

In Progress
 Completed
 Received Today
 Received Yesterday
 On Hold
 Other

Turn Around Time:

Same Day
 24HR
 48HR
 3Day
 5Day
 Standard
 No Rush Charge

Work Order Number	Sample Description	Analysis Requested	Special Requirements
IR51808-06	B-2@0'	Pb-6010 STLC / PH STLC	5 ppm run TAP
		PH 9040/9045	
IR51808-10	B-3@0'	Pb-STLC	
		PH 9040/9045	
IR51808-12	B-3@2'	Pb-STLC	US
		PH 9040/9045	11/03
IR51808-14	B-4@0'	Pb-STLC	12:30
IR51808-15	B-4@1'	Pb-STLC	
IR51808-19	B-5@0'	Pb-STLC, PH 9040	
IR51808-20	B-5@1'	Pb-STLC	
IR51808-21	B-5@2"	Pb-STLC	
IR51808-22	B-5@5'	Pb-STLC	
IR51808-28	B-7@0'	Pb-STLC	

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0016(1007)

Client Name/Address:

DIAZ-YOURMAN & ASSOC
1616 E. 17th St
Santa Ana, CA 92705

Project Manager:

Client Use

Sampler:

Gary Halbert / William Do

Project/PO Number:

DYA: 2006-026
TA: IRJ1508

Phone Number: (714) 245-2920

cell - (310) 612-9176

Fax Number: (714) 245-2950

Analysis Required

Analysis Required

Sample Matrix

SOIL

Container Type

SS TUBE

of Cont.

1

Sampling Date

10/14/08

Sampling Time

2:07

Preservatives

NONE

Special Instructions

FA

Analysis Required

Relinquished By:

GARY HALBERT

Date/Time:

10-14-08 / 5:25 p.m.

Relinquished By:

Received By:

Received In Lab. By:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Turnaround Times: (Check)

same day _____ 72 hours _____

24 hours _____ 5 days _____

48 hours _____ normal _____

Sample Integrity: (Check)

intact _____ on ice _____

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

LABORATORY REPORT

Prepared For: Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project: Cherry Ave / 2008-026
Cherry Ave / 2008-026

Sampled: 10/14/08
Received: 11/18/08
Issued: 11/25/08 15:02

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID

IRK1773-01
IRK1773-02
IRK1773-03
IRK1773-04

CLIENT ID

B-6@0'
B-6@1'
B-6@2'
B-6@5'

MATRIX

Soil
Soil
Soil
Soil

Reviewed By:



TestAmerica Irvine

Lena Davidkova
Project Manager

Diaz Yourman 1616 East 17th Street Santa Ana, CA 92705-8509 Attention: Gary Gilbert	Project ID: Cherry Ave / 2008-026 Cherry Ave / 2008-026 Report Number: IRK1773	Sampled: 10/14/08 Received: 11/18/08
--	--	---

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRK1773-01 (B-6@0' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8K18192	2.0	270	1	11/18/2008	11/19/2008	
Sample ID: IRK1773-02 (B-6@1' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8K18192	2.0	690	1	11/18/2008	11/19/2008	
Sample ID: IRK1773-03 (B-6@2' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8K18192	2.0	110	1	11/18/2008	11/19/2008	
Sample ID: IRK1773-04 (B-6@5' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8K18192	2.0	13	1	11/18/2008	11/19/2008	

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Lena Davidkova
Project Manager

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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRK1773

Sampled: 10/14/08
Received: 11/18/08

TCLP METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	TCLP Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRK1773-01 (B-6@0' - Soil)									
Reporting Units: mg/l									
Lead	6010B-TCLP	8K22035	0.10	0.19	1	5.0	11/22/2008	11/25/2008	
Sample ID: IRK1773-02 (B-6@1' - Soil)									
Reporting Units: mg/l									
Lead	6010B-TCLP	8K22035	0.10	0.58	1	5.0	11/22/2008	11/25/2008	

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IRK1773 <Page 3 of 11>

Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRK1773

Sampled: 10/14/08
Received: 11/18/08

STLC METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	STLC Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRK1773-01 (B-6@0' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K24132	0.10	6.1	1	5.0	11/24/2008	11/25/2008	
Sample ID: IRK1773-02 (B-6@1' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K24132	0.10	38	1	5.0	11/24/2008	11/25/2008	
Sample ID: IRK1773-03 (B-6@2' - Soil)									
Reporting Units: mg/l									
Lead	6010B-STLC	8K24132	0.10	7.1	1	5.0	11/24/2008	11/25/2008	

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Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRK1773

Sampled: 10/14/08
Received: 11/18/08

WASTE EXTRACTION TEST (STLC) - Metals/Inorganics

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
Sample ID: IRK1773-01 (B-6@0' - Soil) Extraction	STLC-Met	8K22074	11/22/2008	11/24/2008	
Sample ID: IRK1773-02 (B-6@1' - Soil) Extraction	STLC-Met	8K22074	11/22/2008	11/24/2008	
Sample ID: IRK1773-03 (B-6@2' - Soil) Extraction	STLC-Met	8K22074	11/22/2008	11/24/2008	

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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRK1773

Sampled: 10/14/08
Received: 11/18/08

TCLP EXTRACTION - Metals

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
Sample ID: IRK1773-01 (B-6@0' - Soil) Extraction	EPA 1311-Met	8K21123	11/21/2008	11/22/2008	
Sample ID: IRK1773-02 (B-6@1' - Soil) Extraction	EPA 1311-Met	8K21123	11/21/2008	11/22/2008	

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Diaz Yourman 1616 East 17th Street Santa Ana, CA 92705-8509 Attention: Gary Gilbert	Project ID: Cherry Ave / 2008-026 Cherry Ave / 2008-026 Report Number: IRK1773	Sampled: 10/14/08 Received: 11/18/08
--	--	---

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8K18192 Extracted: 11/18/08										
Blank Analyzed: 11/19/2008 (8K18192-BLK1)										
Lead	ND	2.0	mg/kg							
LCS Analyzed: 11/19/2008 (8K18192-BS1)										
Lead	46.5	2.0	mg/kg	50.0		93	80-120			
Matrix Spike Analyzed: 11/19/2008 (8K18192-MS1)										
Lead	81.2	2.0	mg/kg	50.0	39.7	83	75-125			
Matrix Spike Dup Analyzed: 11/19/2008 (8K18192-MSD1)										
Lead	80.6	2.0	mg/kg	50.0	39.7	82	75-125	1	20	

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Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRK1773

Sampled: 10/14/08
Received: 11/18/08

METHOD BLANK/QC DATA

TCLP METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8K22035 Extracted: 11/22/08										
Blank Analyzed: 11/25/2008 (8K22035-BLK1)										
Lead	ND	0.10	mg/l							
LCS Analyzed: 11/25/2008 (8K22035-BS1)										
Lead	1.88	0.10	mg/l	2.00		94	80-120			
Matrix Spike Analyzed: 11/25/2008 (8K22035-MS1)										
Lead	2.01	0.10	mg/l	2.00	0.116	94	75-125			

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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRK1773

Sampled: 10/14/08
Received: 11/18/08

METHOD BLANK/QC DATA

STLC METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8K24132 Extracted: 11/24/08										
Blank Analyzed: 11/25/2008 (8K24132-BLK1)										
Lead	ND	0.10	mg/l							
LCS Analyzed: 11/25/2008 (8K24132-BS1)										
Lead	18.5	0.10	mg/l	20.0		93	80-120			
Matrix Spike Analyzed: 11/25/2008 (8K24132-MS1)										
Lead	61.9	0.10	mg/l	20.0	43.9	90	75-125			
Matrix Spike Dup Analyzed: 11/25/2008 (8K24132-MSD1)										
Lead	60.6	0.10	mg/l	20.0	43.9	83	75-125	2	20	

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Diaz Yourman
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Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRK1773

Sampled: 10/14/08
Received: 11/18/08

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRK1773

Sampled: 10/14/08
Received: 11/18/08

Certification Summary

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Method	Matrix	Nelac	California
6010B-STLC	Soil	X	X
6010B-TCLP	Soil	X	X
EPA 1311-Met	Soil	X	X
EPA 6010B	Soil	X	X
STLC-Met	Soil	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Project Manager

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IRK1773

ADDITIONAL ANALYSIS REQUEST FORM

Date: 11/18 Project Manager: Lena

Client: Diaz Younman Contact: Clint Isa

Project: Cherry Ave 2008-026

Date Sampled: 10/14/08 Date Received: 10/14/08

Request Via:

Telephone COC Form Fax E-mail Other

Status:

In Progress Completed Received Today Received Yesterday
 On Hold Other

Turn Around Time:

Same Day 24HR 48HR 3Day 5Day Standard No Rush Charge

Work Order Number	Sample Description	Analysis Requested	Special Requirements
1251808-24	B-6 @ 0'	Pb-6010 B	
1251808-25	B-6 @ 1'		
1251808-26	B-6 @ 2'		
1251808-27	B-6 @ 5'		

Add on!

AM1015

APPENDIX C
LABORATORY ANALYSES REPORTS



LABORATORY REPORT

Prepared For: Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project: Cherry Ave / 2008-026
Cherry Ave / 2008-026

Sampled: 10/14/08
Received: 10/14/08
Issued: 10/24/08 17:18

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

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This entire report was reviewed and approved for release.*

SAMPLE CROSS REFERENCE

LABORATORY ID

CLIENT ID

MATRIX

IRJ1808-01	B-1@0'	Soil
IRJ1808-02	B-1@1'	Soil
IRJ1808-03	B-1@2'	Soil
IRJ1808-04	B-1@3'	Soil
IRJ1808-05	B-1@5'	Soil
IRJ1808-06	B-2@0'	Soil
IRJ1808-07	B-2@1'	Soil
IRJ1808-08	B-2@2'	Soil
IRJ1808-09	B-2@5'	Soil
IRJ1808-10	B-3@0'	Soil
IRJ1808-11	B-3@1'	Soil
IRJ1808-12	B-3@2'	Soil
IRJ1808-13	B-3@5'	Soil
IRJ1808-14	B-4@0'	Soil
IRJ1808-15	B-4@1'	Soil
IRJ1808-16	B-4@2'	Soil
IRJ1808-17	B-4@3'	Soil
IRJ1808-18	B-4@5'	Soil
IRJ1808-19	B-5@0'	Soil
IRJ1808-20	B-5@1'	Soil
IRJ1808-21	B-5@2'	Soil
IRJ1808-22	B-5@3'	Soil
IRJ1808-23	B-5@5'	Soil

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Lena Davidkova
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax: (949) 260-3297

Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

LABORATORY ID

IRJ1808-28
IRJ1808-29
IRJ1808-30
IRJ1808-31
IRJ1808-32
IRJ1808-33
IRJ1808-34
IRJ1808-35

CLIENT ID

B-7@0'
B-7@1'
B-7@2'
B-7@3'
B-7@5'
EB-1
EB-2
Trip Blank

MATRIX

Soil
Soil
Soil
Soil
Soil
Water
Water
Water

Reviewed By:



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Lena Davidkova
Project Manager

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Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-04 (B-1@3' - Soil)								
Reporting Units: mg/kg								
DRO (C13 - C28)	EPA 8015B MOD.	8J17138	10	12	2	10/18/2008	10/20/2008	
ORO (C29-C40)	EPA 8015B MOD.	8J17138	10	14	2	10/18/2008	10/20/2008	
EFH (C13 - C40)	EPA 8015B MOD.	8J17138	10	26	2	10/18/2008	10/20/2008	
Surrogate: n-Octacosane (40-125%)								
Sample ID: IRJ1808-17 (B-4@3' - Soil)								
Reporting Units: mg/kg								
DRO (C13 - C28)	EPA 8015B MOD.	8J17138	10	38	2	10/18/2008	10/21/2008	
ORO (C29-C40)	EPA 8015B MOD.	8J17138	10	43	2	10/18/2008	10/21/2008	
EFH (C13 - C40)	EPA 8015B MOD.	8J17138	10	81	2	10/18/2008	10/21/2008	
Surrogate: n-Octacosane (40-125%)								
Sample ID: IRJ1808-31 (B-7@3' - Soil)								
Reporting Units: mg/kg								
DRO (C13 - C28)	EPA 8015B MOD.	8J17138	10	44	2	10/18/2008	10/21/2008	
ORO (C29-C40)	EPA 8015B MOD.	8J17138	10	61	2	10/18/2008	10/21/2008	
EFH (C13 - C40)	EPA 8015B MOD.	8J17138	10	110	2	10/18/2008	10/21/2008	
Surrogate: n-Octacosane (40-125%)								

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Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015 CADHS Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-33 (EB-1 - Water)								
Reporting Units: mg/l								
DRO (C13 - C28)	EPA 8015B MOD.	8J18043	0.62	ND	1.25	10/18/2008	10/20/2008	RL4
ORO (C29-C40)	EPA 8015B MOD.	8J18043	0.62	ND	1.25	10/18/2008	10/20/2008	
EFH (C13 - C40)	EPA 8015B MOD.	8J18043	0.62	ND	1.25	10/18/2008	10/20/2008	
Surrogate: n-Octacosane (40-125%)				72 %				
Sample ID: IRJ1808-34 (EB-2 - Water)								
Reporting Units: mg/l								
DRO (C13 - C28)	EPA 8015B MOD.	8J18043	0.47	ND	0.943	10/18/2008	10/20/2008	RL4
ORO (C29-C40)	EPA 8015B MOD.	8J18043	0.47	ND	0.943	10/18/2008	10/20/2008	
EFH (C13 - C40)	EPA 8015B MOD.	8J18043	0.47	ND	0.943	10/18/2008	10/20/2008	
Surrogate: n-Octacosane (40-125%)				81 %				

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 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-04 (B-1@3' - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015 Mod.	8J18002	0.40	ND	0.99	10/18/2008	10/18/2008	
Surrogate: 4-BFB (FID) (65-140%) 86 %								
Sample ID: IRJ1808-17 (B-4@3' - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015 Mod.	8J18002	0.40	ND	1	10/18/2008	10/18/2008	
Surrogate: 4-BFB (FID) (65-140%) 89 %								
Sample ID: IRJ1808-31 (B-7@3' - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015 Mod.	8J18002	0.39	ND	0.984	10/18/2008	10/18/2008	
Surrogate: 4-BFB (FID) (65-140%) 87 %								
Sample ID: IRJ1808-33 (EB-1 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015 Mod.	8J22038	50	ND	1	10/22/2008	10/22/2008	
Surrogate: 4-BFB (FID) (65-140%) 82 %								
Sample ID: IRJ1808-34 (EB-2 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015 Mod.	8J22038	50	ND	1	10/22/2008	10/22/2008	
Surrogate: 4-BFB (FID) (65-140%) 81 %								

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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-33 (EB-1 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Bromobenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Bromochloromethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Bromodichloromethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Bromoform	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Bromomethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
n-Butylbenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
tert-Butylbenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
sec-Butylbenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Carbon tetrachloride	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Chlorobenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Chloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Chloroform	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Chloromethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
4-Chlorotoluene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
2-Chlorotoluene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,2-Dibromo-3-chloropropane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Dibromochloromethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2-Dibromoethane (EDB)	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Dibromomethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2-Dichlorobenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,3-Dichlorobenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,4-Dichlorobenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Dichlorodifluoromethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,1-Dichloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2-Dichloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,1-Dichloroethene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
cis-1,2-Dichloroethene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
trans-1,2-Dichloroethene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,3-Dichloropropane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
2,2-Dichloropropane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2-Dichloropropane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
cis-1,3-Dichloropropene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
trans-1,3-Dichloropropene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,1-Dichloropropene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Ethylbenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Hexachlorobutadiene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Isopropylbenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
p-Isopropyltoluene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Methylene chloride	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Naphthalene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	

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Project Manager

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Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-33 (EB-1 - Water) - cont.								
Reporting Units: ug/l								
n-Propylbenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Styrene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,1,1,2-Tetrachloroethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,1,2,2-Tetrachloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Tetrachloroethene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Toluene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2,3-Trichlorobenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,2,4-Trichlorobenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,1,1-Trichloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,1,2-Trichloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Trichloroethene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Trichlorofluoromethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,2,3-Trichloropropane	EPA 8260B	8J19015	10	ND	1	10/19/2008	10/19/2008	
1,2,4-Trimethylbenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,3,5-Trimethylbenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Vinyl chloride	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
m,p-Xylenes	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
o-Xylene				ND				
Surrogate: 4-Bromofluorobenzene (80-120%)				87 %				
Surrogate: Dibromofluoromethane (80-120%)				89 %				
Surrogate: Toluene-d8 (80-120%)				90 %				

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Project Manager

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Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-34 (EB-2 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Bromobenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Bromochloromethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Bromodichloromethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Bromoform	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Bromomethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
n-Butylbenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
tert-Butylbenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
sec-Butylbenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Carbon tetrachloride	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Chlorobenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Chloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Chloroform	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Chloromethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
4-Chlorotoluene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
2-Chlorotoluene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,2-Dibromo-3-chloropropane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Dibromochloromethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2-Dibromoethane (EDB)	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Dibromomethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2-Dichlorobenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,3-Dichlorobenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,4-Dichlorobenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Dichlorodifluoromethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,1-Dichloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2-Dichloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,1-Dichloroethene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
cis-1,2-Dichloroethene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
trans-1,2-Dichloroethene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,3-Dichloropropane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
2,2-Dichloropropane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2-Dichloropropane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
cis-1,3-Dichloropropene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
trans-1,3-Dichloropropene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,1-Dichloropropene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Ethylbenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Hexachlorobutadiene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Isopropylbenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
p-Isopropyltoluene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Methylene chloride	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Naphthalene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	

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Project Manager

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Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-34 (EB-2 - Water) - cont.								
Reporting Units: ug/l								
n-Propylbenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Styrene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,1,1,2-Tetrachloroethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,1,2,2-Tetrachloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Tetrachloroethene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Toluene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2,3-Trichlorobenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,2,4-Trichlorobenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,1,1-Trichloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,1,2-Trichloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Trichloroethene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Trichlorofluoromethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,2,3-Trichloropropane	EPA 8260B	8J19015	10	ND	1	10/19/2008	10/19/2008	
1,2,4-Trimethylbenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,3,5-Trimethylbenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Vinyl chloride	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
m,p-Xylenes	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
o-Xylene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Surrogate: 4-Bromofluorobenzene (80-120%)				87 %				
Surrogate: Dibromofluoromethane (80-120%)				89 %				
Surrogate: Toluene-d8 (80-120%)				90 %				

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Project Manager

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Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-35 (Trip Blank - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Bromobenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Bromochloromethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Bromodichloromethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Bromoform	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Bromomethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
n-Butylbenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
tert-Butylbenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
sec-Butylbenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Carbon tetrachloride	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Chlorobenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Chloroethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Chloroform	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Chloromethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
4-Chlorotoluene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
2-Chlorotoluene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,2-Dibromo-3-chloropropane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Dibromochloromethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2-Dibromoethane (EDB)	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Dibromomethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2-Dichlorobenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,3-Dichlorobenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,4-Dichlorobenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Dichlorodifluoromethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,1-Dichloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2-Dichloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,1-Dichloroethene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
cis-1,2-Dichloroethene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
trans-1,2-Dichloroethene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,3-Dichloropropane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
2,2-Dichloropropane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2-Dichloropropane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
cis-1,3-Dichloropropene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
trans-1,3-Dichloropropene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,1-Dichloropropene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Ethylbenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Hexachlorobutadiene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Isopropylbenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
p-Isopropyltoluene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Methylene chloride	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Naphthalene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	

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Project Manager

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Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-35 (Trip Blank - Water) - cont.								
Reporting Units: ug/l								
n-Propylbenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Styrene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,1,1,2-Tetrachloroethane	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,1,2,2-Tetrachloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Tetrachloroethene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Toluene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,2,3-Trichlorobenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
1,2,4-Trichlorobenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,1,1-Trichloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,1,2-Trichloroethane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
Trichloroethene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Trichlorofluoromethane	EPA 8260B	8J19015	10	ND	1	10/19/2008	10/19/2008	
1,2,3-Trichloropropane	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,2,4-Trimethylbenzene	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
1,3,5-Trimethylbenzene	EPA 8260B	8J19015	5.0	ND	1	10/19/2008	10/19/2008	
Vinyl chloride	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
m,p-Xylenes	EPA 8260B	8J19015	2.0	ND	1	10/19/2008	10/19/2008	
o-Xylene				87 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				91 %				
Surrogate: Dibromofluoromethane (80-120%)				90 %				
Surrogate: Toluene-d8 (80-120%)								

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Lena Davidkova
 Project Manager

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Diaz Yourman 1616 East 17th Street Santa Ana, CA 92705-8509 Attention: Gary Gilbert	Project ID: Cherry Ave / 2008-026 Cherry Ave / 2008-026 Report Number: IRJ1808	Sampled: 10/14/08 Received: 10/14/08
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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-04 (B-1@3' - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Bromobenzene	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
Bromochloromethane	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
Bromodichloromethane	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Bromoform	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
Bromomethane	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
n-Butylbenzene	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
tert-Butylbenzene	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
sec-Butylbenzene	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
Carbon tetrachloride	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
Chlorobenzene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Chloroethane	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
Chloroform	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Chloromethane	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
4-Chlorotoluene	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
2-Chlorotoluene	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
1,2-Dibromo-3-chloropropane	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
Dibromochloromethane	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
1,2-Dibromoethane (EDB)	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Dibromomethane	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
1,2-Dichlorobenzene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
1,3-Dichlorobenzene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
1,4-Dichlorobenzene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Dichlorodifluoromethane	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
1,1-Dichloroethane	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
1,2-Dichloroethane	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
1,1-Dichloroethene	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
cis-1,2-Dichloroethene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
trans-1,2-Dichloroethene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
1,3-Dichloropropane	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
2,2-Dichloropropane	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
1,2-Dichloropropane	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	L
cis-1,3-Dichloropropene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
trans-1,3-Dichloropropene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
1,1-Dichloropropene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Ethylbenzene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Hexachlorobutadiene	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	L
Isopropylbenzene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
p-Isopropyltoluene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Methylene chloride	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Naphthalene	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	

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Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-04 (B-1@3' - Soil) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Styrene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
1,1,1,2-Tetrachloroethane	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
1,1,2,2-Tetrachloroethane	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Tetrachloroethene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Toluene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
1,2,3-Trichlorobenzene	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
1,2,4-Trichlorobenzene	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
1,1,1-Trichloroethane	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
1,1,2-Trichloroethane	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Trichloroethene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Trichlorofluoromethane	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
1,2,3-Trichloropropane	EPA 8260B	8J19012	9.8	ND	0.982	10/19/2008	10/19/2008	
1,2,4-Trimethylbenzene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
1,3,5-Trimethylbenzene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Vinyl chloride	EPA 8260B	8J19012	4.9	ND	0.982	10/19/2008	10/19/2008	
m,p-Xylenes	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
o-Xylene	EPA 8260B	8J19012	2.0	ND	0.982	10/19/2008	10/19/2008	
Surrogate: 4-Bromofluorobenzene (80-120%)				93 %				
Surrogate: Dibromofluoromethane (80-125%)				102 %				
Surrogate: Toluene-d8 (80-120%)				104 %				

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Diaz Yourman
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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-17 (B-4@3' - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Bromobenzene	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
Bromochloromethane	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
Bromodichloromethane	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Bromoform	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
Bromomethane	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
n-Butylbenzene	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
tert-Butylbenzene	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
sec-Butylbenzene	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
Carbon tetrachloride	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
Chlorobenzene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Chloroethane	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
Chloroform	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Chloromethane	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
4-Chlorotoluene	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
2-Chlorotoluene	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
1,2-Dibromo-3-chloropropane	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
Dibromochloromethane	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
1,2-Dibromoethane (EDB)	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Dibromomethane	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
1,2-Dichlorobenzene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
1,3-Dichlorobenzene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
1,4-Dichlorobenzene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Dichlorodifluoromethane	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
1,1-Dichloroethane	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
1,2-Dichloroethane	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
1,1-Dichloroethene	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
cis-1,2-Dichloroethene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
trans-1,2-Dichloroethene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
1,3-Dichloropropane	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
2,2-Dichloropropane	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
1,2-Dichloropropane	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	L
cis-1,3-Dichloropropene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
trans-1,3-Dichloropropene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
1,1-Dichloropropene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Ethylbenzene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Hexachlorobutadiene	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
Isopropylbenzene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	L
p-Isopropyltoluene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Methylene chloride	EPA 8260B	8J19012	20	ND	1.02	10/19/2008	10/19/2008	
Naphthalene	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	

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Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-17 (B-4@3' - Soil) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Styrene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
1,1,1,2-Tetrachloroethane	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
1,1,2-Tetrachloroethane	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Tetrachloroethene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Toluene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
1,2,3-Trichlorobenzene	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
1,2,4-Trichlorobenzene	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
1,1,1-Trichloroethane	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
1,1,2-Trichloroethane	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Trichloroethene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Trichlorofluoromethane	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
1,2,3-Trichloropropane	EPA 8260B	8J19012	10	ND	1.02	10/19/2008	10/19/2008	
1,2,4-Trimethylbenzene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
1,3,5-Trimethylbenzene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Vinyl chloride	EPA 8260B	8J19012	5.1	ND	1.02	10/19/2008	10/19/2008	
m,p-Xylenes	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
o-Xylene	EPA 8260B	8J19012	2.0	ND	1.02	10/19/2008	10/19/2008	
Surrogate: 4-Bromofluorobenzene (80-120%)				93 %				
Surrogate: Dibromofluoromethane (80-125%)				103 %				
Surrogate: Toluene-d8 (80-120%)				103 %				

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Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-22 (B-5@3' - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
Bromobenzene	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	I
Bromochloromethane	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	
Bromodichloromethane	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
Bromoform	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	
Bromomethane	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	I
n-Butylbenzene	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	I
tert-Butylbenzene	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	I
sec-Butylbenzene	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	
Carbon tetrachloride	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	
Chlorobenzene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
Chloroethane	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	
Chloroform	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
Chloromethane	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	
4-Chlorotoluene	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	I
2-Chlorotoluene	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	I
1,2-Dibromo-3-chloropropane	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	
Dibromochloromethane	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
1,2-Dibromoethane (EDB)	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
Dibromomethane	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	I
1,2-Dichlorobenzene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	I
1,3-Dichlorobenzene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	I
1,4-Dichlorobenzene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
Dichlorodifluoromethane	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	
1,1-Dichloroethane	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
1,2-Dichloroethane	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
1,1-Dichloroethene	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	
cis-1,2-Dichloroethene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
trans-1,2-Dichloroethene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
1,3-Dichloropropane	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
2,2-Dichloropropane	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
1,2-Dichloropropane	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
cis-1,3-Dichloropropene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
trans-1,3-Dichloropropene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
1,1-Dichloropropene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
Ethylbenzene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
Hexachlorobutadiene	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	I
Isopropylbenzene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	I
p-Isopropyltoluene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	I
Methylene chloride	EPA 8260B	8J20023	18	ND	0.921	10/20/2008	10/21/2008	
Naphthalene	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	I

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Diaz Yourman
1616 East 17th Street
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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-22 (B-5@3' - Soil) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	I
Styrene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
1,1,1,2-Tetrachloroethane	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	
1,1,2,2-Tetrachloroethane	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	I
Tetrachloroethene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
Toluene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
1,2,3-Trichlorobenzene	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	I
1,2,4-Trichlorobenzene	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	I
1,1,1-Trichloroethane	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
1,1,2-Trichloroethane	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
Trichloroethene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
Trichlorofluoromethane	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	
1,2,3-Trichloropropane	EPA 8260B	8J20023	9.2	ND	0.921	10/20/2008	10/21/2008	I
1,2,4-Trimethylbenzene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	I
1,3,5-Trimethylbenzene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	I
Vinyl chloride	EPA 8260B	8J20023	4.6	ND	0.921	10/20/2008	10/21/2008	
m,p-Xylenes	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	
o-Xylene	EPA 8260B	8J20023	1.8	ND	0.921	10/20/2008	10/21/2008	Z
Surrogate: 4-Bromofluorobenzene (80-120%)					72 %			
Surrogate: Dibromofluoromethane (80-125%)					111 %			
Surrogate: Toluene-d8 (80-120%)					85 %			

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Diaz Yourman
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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-31 (B-7@3' - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Bromobenzene	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
Bromochloromethane	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
Bromodichloromethane	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Bromoform	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
Bromomethane	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
n-Butylbenzene	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
tert-Butylbenzene	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
sec-Butylbenzene	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
Carbon tetrachloride	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
Chlorobenzene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Chloroethane	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
Chloroform	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Chloromethane	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
4-Chlorotoluene	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
2-Chlorotoluene	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
1,2-Dibromo-3-chloropropane	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
Dibromochloromethane	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
1,2-Dibromoethane (EDB)	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Dibromomethane	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
1,2-Dichlorobenzene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
1,3-Dichlorobenzene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
1,4-Dichlorobenzene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Dichlorodifluoromethane	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
1,1-Dichloroethane	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
1,2-Dichloroethane	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
1,1-Dichloroethene	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
cis-1,2-Dichloroethene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
trans-1,2-Dichloroethene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
1,3-Dichloropropane	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
2,2-Dichloropropane	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
1,2-Dichloropropane	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
cis-1,3-Dichloropropene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
trans-1,3-Dichloropropene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
1,1-Dichloropropene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Ethylbenzene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Hexachlorobutadiene	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
Isopropylbenzene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
p-Isopropyltoluene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Methylene chloride	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Naphthalene	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	

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Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-31 (B-7@3' - Soil) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Styrene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
1,1,1,2-Tetrachloroethane	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
1,1,2,2-Tetrachloroethane	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Tetrachloroethene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Toluene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
1,2,3-Trichlorobenzene	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
1,2,4-Trichlorobenzene	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
1,1,1-Trichloroethane	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
1,1,2-Trichloroethane	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Trichloroethene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Trichlorofluoromethane	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
1,2,3-Trichloropropane	EPA 8260B	8J20023	10	ND	1.03	10/20/2008	10/21/2008	
1,2,4-Trimethylbenzene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
1,3,5-Trimethylbenzene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Vinyl chloride	EPA 8260B	8J20023	5.1	ND	1.03	10/20/2008	10/21/2008	
m,p-Xylenes	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
o-Xylene	EPA 8260B	8J20023	2.1	ND	1.03	10/20/2008	10/21/2008	
Surrogate: 4-Bromofluorobenzene (80-120%)				86 %				
Surrogate: Dibromofluoromethane (80-125%)				110 %				
Surrogate: Toluene-d8 (80-120%)				91 %				

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 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-01 (B-1@0' - Soil)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	8J21069	0.020	ND	1	10/21/2008	10/21/2008	
Antimony	EPA 6010B	8J22104	10	ND	1	10/22/2008	10/22/2008	
Arsenic	EPA 6010B	8J22104	2.0	ND	1	10/22/2008	10/22/2008	
Barium	EPA 6010B	8J22104	1.0	47	1	10/22/2008	10/23/2008	
Beryllium	EPA 6010B	8J22104	0.50	ND	1	10/22/2008	10/22/2008	
Cadmium	EPA 6010B	8J22104	0.50	ND	1	10/22/2008	10/22/2008	
Chromium	EPA 6010B	8J22104	1.0	ND	1	10/22/2008	10/22/2008	
Cobalt	EPA 6010B	8J22104	1.0	ND	1	10/22/2008	10/22/2008	
Copper	EPA 6010B	8J22104	2.0	ND	1	10/22/2008	10/22/2008	
Lead	EPA 6010B	8J22104	2.0	ND	1	10/22/2008	10/22/2008	
Molybdenum	EPA 6010B	8J22104	2.0	ND	1	10/22/2008	10/22/2008	
Nickel	EPA 6010B	8J22104	2.0	ND	1	10/22/2008	10/22/2008	
Selenium	EPA 6010B	8J22104	2.0	ND	1	10/22/2008	10/22/2008	
Silver	EPA 6010B	8J22104	1.0	ND	1	10/22/2008	10/22/2008	
Thallium	EPA 6010B	8J22104	10	ND	1	10/22/2008	10/22/2008	
Vanadium	EPA 6010B	8J22104	1.0	ND	1	10/22/2008	10/22/2008	M1
Zinc	EPA 6010B	8J22104	5.0	ND	1	10/22/2008	10/22/2008	M1
Sample ID: IRJ1808-02 (B-1@1' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	6.1	0.995	10/22/2008	10/22/2008	
Sample ID: IRJ1808-03 (B-1@2' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	6.4	0.995	10/22/2008	10/22/2008	
Sample ID: IRJ1808-05 (B-1@5' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	6.9	1.01	10/22/2008	10/22/2008	
Sample ID: IRJ1808-06 (B-2@0' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	180	1	10/22/2008	10/22/2008	
Sample ID: IRJ1808-07 (B-2@1' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	7.9	0.995	10/22/2008	10/22/2008	

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Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-08 (B-2@2' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	7.1	0.995	10/22/2008	10/22/2008	
Sample ID: IRJ1808-09 (B-2@5' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	34	0.995	10/22/2008	10/22/2008	
Sample ID: IRJ1808-10 (B-3@0' - Soil)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	8J21069	0.020	0.080	1	10/21/2008	10/21/2008	
Antimony	EPA 6010B	8J22104	10	ND	1.01	10/22/2008	10/22/2008	
Arsenic	EPA 6010B	8J22104	2.0	6.2	1.01	10/22/2008	10/22/2008	
Barium	EPA 6010B	8J22104	1.0	130	1.01	10/22/2008	10/22/2008	
Beryllium	EPA 6010B	8J22104	0.50	ND	1.01	10/22/2008	10/22/2008	
Cadmium	EPA 6010B	8J22104	0.50	0.63	1.01	10/22/2008	10/22/2008	
Chromium	EPA 6010B	8J22104	1.0	28	1.01	10/22/2008	10/22/2008	
Cobalt	EPA 6010B	8J22104	1.0	6.7	1.01	10/22/2008	10/22/2008	
Copper	EPA 6010B	8J22104	2.0	41	1.01	10/22/2008	10/22/2008	
Lead	EPA 6010B	8J22104	2.0	960	1.01	10/22/2008	10/22/2008	
Molybdenum	EPA 6010B	8J22104	2.0	3.1	1.01	10/22/2008	10/22/2008	
Nickel	EPA 6010B	8J22104	2.0	30	1.01	10/22/2008	10/22/2008	
Selenium	EPA 6010B	8J22104	2.0	ND	1.01	10/22/2008	10/22/2008	
Silver	EPA 6010B	8J22104	1.0	ND	1.01	10/22/2008	10/22/2008	
Thallium	EPA 6010B	8J22104	10	ND	1.01	10/22/2008	10/22/2008	
Vanadium	EPA 6010B	8J22104	1.0	28	1.01	10/22/2008	10/22/2008	
Zinc	EPA 6010B	8J22104	5.0	330	1.01	10/22/2008	10/22/2008	
Sample ID: IRJ1808-11 (B-3@1' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	7.7	1.01	10/22/2008	10/23/2008	
Sample ID: IRJ1808-12 (B-3@2' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	910	1	10/22/2008	10/23/2008	
Sample ID: IRJ1808-13 (B-3@5' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	47	1.01	10/22/2008	10/23/2008	

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METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-14 (B-4@0' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	82	1.01	10/22/2008	10/23/2008	
Sample ID: IRJ1808-15 (B-4@1' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	130	1.01	10/22/2008	10/23/2008	
Sample ID: IRJ1808-16 (B-4@2' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	21	0.995	10/22/2008	10/23/2008	
Sample ID: IRJ1808-18 (B-4@5' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	2.9	0.995	10/22/2008	10/23/2008	
Sample ID: IRJ1808-19 (B-5@0' - Soil)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	8J21069	0.020	0.021	1	10/21/2008	10/21/2008	
Antimony	EPA 6010B	8J22104	10	ND	1.01	10/22/2008	10/23/2008	
Arsenic	EPA 6010B	8J22104	2.0	3.4	1.01	10/22/2008	10/23/2008	
Barium	EPA 6010B	8J22104	1.0	64	1.01	10/22/2008	10/23/2008	
Beryllium	EPA 6010B	8J22104	0.50	ND	1.01	10/22/2008	10/23/2008	
Cadmium	EPA 6010B	8J22104	0.50	ND	1.01	10/22/2008	10/23/2008	
Chromium	EPA 6010B	8J22104	1.0	17	1.01	10/22/2008	10/23/2008	
Cobalt	EPA 6010B	8J22104	1.0	4.6	1.01	10/22/2008	10/23/2008	
Copper	EPA 6010B	8J22104	2.0	54	1.01	10/22/2008	10/23/2008	
Lead	EPA 6010B	8J22104	2.0	180	1.01	10/22/2008	10/23/2008	
Molybdenum	EPA 6010B	8J22104	2.0	3.6	1.01	10/22/2008	10/23/2008	
Nickel	EPA 6010B	8J22104	2.0	17	1.01	10/22/2008	10/23/2008	
Selenium	EPA 6010B	8J22104	2.0	ND	1.01	10/22/2008	10/23/2008	
Silver	EPA 6010B	8J22104	1.0	ND	1.01	10/22/2008	10/23/2008	
Thallium	EPA 6010B	8J22104	10	ND	1.01	10/22/2008	10/23/2008	
Vanadium	EPA 6010B	8J22104	1.0	16	1.01	10/22/2008	10/23/2008	
Zinc	EPA 6010B	8J22104	5.0	110	1.01	10/22/2008	10/23/2008	

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THE LEADER IN ENVIRONMENTAL TESTING

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Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-20 (B-5@1' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	66	1	10/22/2008	10/23/2008	
Sample ID: IRJ1808-21 (B-5@2' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	78	1.01	10/22/2008	10/23/2008	
Sample ID: IRJ1808-23 (B-5@5' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J22104	2.0	68	0.995	10/22/2008	10/23/2008	
Sample ID: IRJ1808-28 (B-7@0' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J23167	2.0	120	1	10/23/2008	10/24/2008	
Sample ID: IRJ1808-29 (B-7@1' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J23167	2.0	130	1	10/23/2008	10/24/2008	
Sample ID: IRJ1808-30 (B-7@2' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J23167	2.0	130	1	10/23/2008	10/24/2008	
Sample ID: IRJ1808-32 (B-7@5' - Soil)								
Reporting Units: mg/kg								
Lead	EPA 6010B	8J23167	2.0	7.5	1	10/23/2008	10/24/2008	
Sample ID: IRJ1808-33 (EB-1 - Water)								
Reporting Units: mg/l								
Mercury	EPA 7470A	8J20085	0.00020	ND	1	10/20/2008	10/20/2008	
Antimony	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Arsenic	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Barium	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Beryllium	EPA 6010B	8J18050	0.0040	ND	1	10/18/2008	10/20/2008	
Cadmium	EPA 6010B	8J18050	0.0050	ND	1	10/18/2008	10/20/2008	
Chromium	EPA 6010B	8J18050	0.0050	ND	1	10/18/2008	10/20/2008	
Cobalt	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Copper	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Lead	EPA 6010B	8J18050	0.0050	ND	1	10/18/2008	10/20/2008	
Molybdenum	EPA 6010B	8J18050	0.020	ND	1	10/18/2008	10/20/2008	
Nickel	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Selenium	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Silver	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Thallium	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Vanadium	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	

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Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRJ1808-33 (EB-1 - Water) - cont.								
Reporting Units: mg/l								
Zinc	EPA 6010B	8J18050	0.020	ND	1	10/18/2008	10/20/2008	
Sample ID: IRJ1808-34 (EB-2 - Water)								
Reporting Units: mg/l								
Mercury	EPA 7470A	8J20085	0.00020	ND	1	10/20/2008	10/20/2008	
Antimony	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Arsenic	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Barium	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Beryllium	EPA 6010B	8J18050	0.0040	ND	1	10/18/2008	10/20/2008	
Cadmium	EPA 6010B	8J18050	0.0050	ND	1	10/18/2008	10/20/2008	
Chromium	EPA 6010B	8J18050	0.0050	ND	1	10/18/2008	10/20/2008	
Cobalt	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Copper	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Lead	EPA 6010B	8J18050	0.0050	ND	1	10/18/2008	10/20/2008	
Molybdenum	EPA 6010B	8J18050	0.020	ND	1	10/18/2008	10/20/2008	
Nickel	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Selenium	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Silver	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Thallium	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Vanadium	EPA 6010B	8J18050	0.010	ND	1	10/18/2008	10/20/2008	
Zinc	EPA 6010B	8J18050	0.020	ND	1	10/18/2008	10/20/2008	

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Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J17138 Extracted: 10/18/08										
Blank Analyzed: 10/20/2008 (8J17138-BLK1)										
DRO (C13 - C28)	ND	5.0	mg/kg							
ORO (C29-C40)	ND	5.0	mg/kg							
EFH (C13 - C40)	ND	5.0	mg/kg							
Surrogate: n-Octacosane	5.27		mg/kg	6.67		79	40-125			
LCS Analyzed: 10/20/2008 (8J17138-BS1)										
DRO (C13 - C28)	17.3	5.0	mg/kg	25.0		69	45-115			
Surrogate: n-Octacosane	5.07		mg/kg	6.67		76	40-125			
Matrix Spike Analyzed: 10/20/2008 (8J17138-MS1)					Source: IRJ1811-01					
EFH (C13 - C40)	201	10	mg/kg	25.0	231	-120	40-120			M2
Surrogate: n-Octacosane	9.08		mg/kg	6.67		136	40-125			ZX
Matrix Spike Dup Analyzed: 10/20/2008 (8J17138-MSD1)					Source: IRJ1811-01					
EFH (C13 - C40)	235	10	mg/kg	25.0	231	18	40-120	16	30	M2
Surrogate: n-Octacosane	9.38		mg/kg	6.67		141	40-125			ZX

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Sampled: 10/14/08
 Received: 10/14/08

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015 CADHS Modified)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 8J18043 Extracted: 10/18/08									
Blank Analyzed: 10/20/2008 (8J18043-BLK1)									
DRO (C13 - C28)	ND	0.50	mg/l						
ORO (C29-C40)	ND	0.50	mg/l						
EFH (C13 - C40)	ND	0.50	mg/l						
Surrogate: n-Octacosane	0.166		mg/l	0.200		83	40-125		
LCS Analyzed: 10/20/2008 (8J18043-BS1)									
EFH (C13 - C40)	0.587	0.50	mg/l	0.750		78	40-115		
Surrogate: n-Octacosane	0.162		mg/l	0.200		81	40-125		
Matrix Spike Analyzed: 10/20/2008 (8J18043-MS1)					Source: IRJ1758-38				
EFH (C13 - C40)	0.592	0.47	mg/l	0.708	ND	84	40-120		
Surrogate: n-Octacosane	0.155		mg/l	0.189		82	40-125		
Matrix Spike Dup Analyzed: 10/20/2008 (8J18043-MSD1)					Source: IRJ1758-38				
EFH (C13 - C40)	0.679	0.47	mg/l	0.708	ND	96	40-120	14	30
Surrogate: n-Octacosane	0.168		mg/l	0.189		89	40-125		

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Sampled: 10/14/08
 Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J18002 Extracted: 10/18/08										
Blank Analyzed: 10/18/2008 (8J18002-BLK1)										
Volatile Fuel Hydrocarbons (C6-C12)	ND	0.40	mg/kg							
Surrogate: 4-BFB (FID)	0.0193		mg/kg	0.0200		96	65-140			
LCS Analyzed: 10/18/2008 (8J18002-BS1)										
Volatile Fuel Hydrocarbons (C6-C12)	1.69	0.40	mg/kg	1.60		105	70-135			
Surrogate: 4-BFB (FID)	0.0259		mg/kg	0.0200		130	65-140			
Matrix Spike Analyzed: 10/18/2008 (8J18002-MS1)										
					Source: IRJ1719-01					
Volatile Fuel Hydrocarbons (C6-C12)	0.543	0.38	mg/kg	0.422	ND	129	60-140			
Surrogate: 4-BFB (FID)	0.0203		mg/kg	0.0192		106	65-140			
Matrix Spike Dup Analyzed: 10/18/2008 (8J18002-MSD1)										
					Source: IRJ1719-01					
Volatile Fuel Hydrocarbons (C6-C12)	0.515	0.38	mg/kg	0.415	ND	124	60-140	5	30	
Surrogate: 4-BFB (FID)	0.0203		mg/kg	0.0189		108	65-140			
Batch: 8J22038 Extracted: 10/22/08										
Blank Analyzed: 10/22/2008 (8J22038-BLK1)										
Volatile Fuel Hydrocarbons (C6-C12)	ND	50	ug/l							
Surrogate: 4-BFB (FID)	7.96		ug/l	10.0		80	65-140			
LCS Analyzed: 10/22/2008 (8J22038-BS1)										
Volatile Fuel Hydrocarbons (C6-C12)	758	50	ug/l	800		95	80-120			
Surrogate: 4-BFB (FID)	12.7		ug/l	10.0		127	65-140			
Matrix Spike Analyzed: 10/22/2008 (8J22038-MS1)										
					Source: IRJ2060-01					
Volatile Fuel Hydrocarbons (C6-C12)	242	50	ug/l	220	ND	110	65-140			
Surrogate: 4-BFB (FID)	10.6		ug/l	10.0		106	65-140			

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Cherry Ave / 2008-026
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Sampled: 10/14/08
Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J22038 Extracted: 10/22/08										
Matrix Spike Dup Analyzed: 10/22/2008 (8J22038-MSD1)					Source: IRJ2060-01					
Volatile Fuel Hydrocarbons (C6-C12)	240	50	ug/l	220	ND	109	65-140	1	20	
Surrogate: 4-BFB (FID)	10.4		ug/l	10.0		104	65-140			

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J19015 Extracted: 10/19/08										
Blank Analyzed: 10/19/2008 (8J19015-BLK1)										
Benzene	ND	2.0	ug/l							
Bromobenzene	ND	5.0	ug/l							
Bromochloromethane	ND	5.0	ug/l							
Bromodichloromethane	ND	2.0	ug/l							
Bromoform	ND	5.0	ug/l							
Bromomethane	ND	5.0	ug/l							
n-Butylbenzene	ND	5.0	ug/l							
tert-Butylbenzene	ND	5.0	ug/l							
sec-Butylbenzene	ND	5.0	ug/l							
Carbon tetrachloride	ND	5.0	ug/l							
Chlorobenzene	ND	2.0	ug/l							
Chloroethane	ND	5.0	ug/l							
Chloroform	ND	2.0	ug/l							
Chloromethane	ND	5.0	ug/l							
4-Chlorotoluene	ND	5.0	ug/l							
2-Chlorotoluene	ND	5.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
Dibromochloromethane	ND	2.0	ug/l							
1,2-Dibromoethane (EDB)	ND	2.0	ug/l							
Dibromomethane	ND	2.0	ug/l							
1,2-Dichlorobenzene	ND	2.0	ug/l							
1,3-Dichlorobenzene	ND	2.0	ug/l							
1,4-Dichlorobenzene	ND	2.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							
1,1-Dichloroethane	ND	2.0	ug/l							
1,2-Dichloroethane	ND	2.0	ug/l							
1,1-Dichloroethene	ND	5.0	ug/l							
cis-1,2-Dichloroethene	ND	2.0	ug/l							
trans-1,2-Dichloroethene	ND	2.0	ug/l							
1,3-Dichloropropane	ND	2.0	ug/l							
2,2-Dichloropropane	ND	2.0	ug/l							
1,2-Dichloropropane	ND	2.0	ug/l							
cis-1,3-Dichloropropene	ND	2.0	ug/l							
trans-1,3-Dichloropropene	ND	2.0	ug/l							
1,1-Dichloropropene	ND	2.0	ug/l							
Ethylbenzene	ND	2.0	ug/l							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 8J19015 Extracted: 10/19/08									
Blank Analyzed: 10/19/2008 (8J19015-BLK1)									
Hexachlorobutadiene	ND	5.0	ug/l						
Isopropylbenzene	ND	2.0	ug/l						
p-Isopropyltoluene	ND	2.0	ug/l						
Methylene chloride	ND	5.0	ug/l						
Naphthalene	ND	5.0	ug/l						
n-Propylbenzene	ND	2.0	ug/l						
Styrene	ND	2.0	ug/l						
1,1,1,2-Tetrachloroethane	ND	5.0	ug/l						
1,1,2,2-Tetrachloroethane	ND	2.0	ug/l						
Tetrachloroethene	ND	2.0	ug/l						
Toluene	ND	2.0	ug/l						
1,2,3-Trichlorobenzene	ND	5.0	ug/l						
1,2,4-Trichlorobenzene	ND	5.0	ug/l						
1,1,1-Trichloroethane	ND	2.0	ug/l						
1,1,2-Trichloroethane	ND	2.0	ug/l						
Trichloroethene	ND	2.0	ug/l						
Trichlorofluoromethane	ND	5.0	ug/l						
1,2,3-Trichloropropane	ND	10	ug/l						
1,2,4-Trimethylbenzene	ND	2.0	ug/l						
1,3,5-Trimethylbenzene	ND	2.0	ug/l						
Vinyl chloride	ND	5.0	ug/l						
m,p-Xylenes	ND	2.0	ug/l						
o-Xylene	ND	2.0	ug/l						
Surrogate: 4-Bromofluorobenzene	21.9		ug/l	25.0		88	80-120		
Surrogate: Dibromofluoromethane	22.2		ug/l	25.0		89	80-120		
Surrogate: Toluene-d8	22.5		ug/l	25.0		90	80-120		
LCS Analyzed: 10/19/2008 (8J19015-BS1)									
Benzene	24.8	2.0	ug/l	25.0		99	70-120		
Bromobenzene	26.8	5.0	ug/l	25.0		107	75-120		
Bromochloromethane	25.8	5.0	ug/l	25.0		103	70-130		
Bromodichloromethane	23.8	2.0	ug/l	25.0		95	70-135		
Bromoform	20.3	5.0	ug/l	25.0		81	55-130		
Bromomethane	26.7	5.0	ug/l	25.0		107	65-140		
n-Butylbenzene	24.7	5.0	ug/l	25.0		99	70-130		
tert-Butylbenzene	26.2	5.0	ug/l	25.0		105	70-125		

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 8J19015 Extracted: 10/19/08									
LCS Analyzed: 10/19/2008 (8J19015-BS1)									
sec-Butylbenzene	25.6	5.0	ug/l	25.0		102	70-125		
Carbon tetrachloride	23.2	5.0	ug/l	25.0		93	65-140		
Chlorobenzene	26.6	2.0	ug/l	25.0		107	75-120		
Chloroethane	25.1	5.0	ug/l	25.0		101	60-140		
Chloroform	23.0	2.0	ug/l	25.0		92	70-130		
Chloromethane	25.0	5.0	ug/l	25.0		100	50-140		
4-Chlorotoluene	25.8	5.0	ug/l	25.0		103	75-125		
2-Chlorotoluene	25.6	5.0	ug/l	25.0		102	70-125		
1,2-Dibromo-3-chloropropane	21.3	5.0	ug/l	25.0		85	50-135		
Dibromochloromethane	21.8	2.0	ug/l	25.0		87	70-140		
1,2-Dibromoethane (EDB)	25.8	2.0	ug/l	25.0		103	75-125		
Dibromomethane	25.7	2.0	ug/l	25.0		103	70-125		
1,2-Dichlorobenzene	26.6	2.0	ug/l	25.0		107	75-120		
1,3-Dichlorobenzene	27.3	2.0	ug/l	25.0		109	75-120		
1,4-Dichlorobenzene	26.3	2.0	ug/l	25.0		105	75-120		
Dichlorodifluoromethane	31.1	5.0	ug/l	25.0		124	35-155		
1,1-Dichloroethane	23.8	2.0	ug/l	25.0		95	70-125		
1,2-Dichloroethane	24.2	2.0	ug/l	25.0		97	60-140		
1,1-Dichloroethene	26.1	5.0	ug/l	25.0		104	70-125		
cis-1,2-Dichloroethene	24.3	2.0	ug/l	25.0		97	70-125		
trans-1,2-Dichloroethene	27.5	2.0	ug/l	25.0		110	70-125		
1,3-Dichloropropane	25.1	2.0	ug/l	25.0		100	70-120		
2,2-Dichloropropane	24.3	2.0	ug/l	25.0		97	65-140		
1,2-Dichloropropane	25.0	2.0	ug/l	25.0		100	70-125		
cis-1,3-Dichloropropene	24.7	2.0	ug/l	25.0		99	75-125		
trans-1,3-Dichloropropene	24.0	2.0	ug/l	25.0		96	70-125		
1,1-Dichloropropene	24.8	2.0	ug/l	25.0		99	75-130		
Ethylbenzene	26.2	2.0	ug/l	25.0		105	75-125		
Hexachlorobutadiene	29.9	5.0	ug/l	25.0		120	65-135		
Isopropylbenzene	30.5	2.0	ug/l	25.0		122	75-130		
p-Isopropyltoluene	25.6	2.0	ug/l	25.0		103	75-125		
Methylene chloride	23.8	5.0	ug/l	25.0		95	55-130		
Naphthalene	23.6	5.0	ug/l	25.0		95	55-135		
n-Propylbenzene	26.4	2.0	ug/l	25.0		106	75-130		
Styrene	26.4	2.0	ug/l	25.0		106	75-130		
1,1,1,2-Tetrachloroethane	24.6	5.0	ug/l	25.0		98	70-130		

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Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J19015 Extracted: 10/19/08									
LCS Analyzed: 10/19/2008 (8J19015-BS1)									
1,1,2,2-Tetrachloroethane	25.3	2.0	ug/l	25.0		101 55-130			
Tetrachloroethene	26.8	2.0	ug/l	25.0		107 70-125			
Toluene	25.3	2.0	ug/l	25.0		101 70-120			
1,2,3-Trichlorobenzene	24.0	5.0	ug/l	25.0		96 65-125			
1,2,4-Trichlorobenzene	24.8	5.0	ug/l	25.0		99 70-135			
1,1,1-Trichloroethane	23.9	2.0	ug/l	25.0		96 65-135			
1,1,2-Trichloroethane	25.2	2.0	ug/l	25.0		101 70-125			
Trichloroethene	26.3	2.0	ug/l	25.0		105 70-125			
Trichlorofluoromethane	26.1	5.0	ug/l	25.0		104 65-145			
1,2,3-Trichloropropane	24.4	10	ug/l	25.0		97 60-130			
1,2,4-Trimethylbenzene	25.7	2.0	ug/l	25.0		103 75-125			
1,3,5-Trimethylbenzene	26.6	2.0	ug/l	25.0		107 75-125			
Vinyl chloride	26.4	5.0	ug/l	25.0		106 55-135			
m,p-Xylenes	51.9	2.0	ug/l	50.0		104 75-125			
o-Xylene	25.8	2.0	ug/l	25.0		103 75-125			
Surrogate: 4-Bromofluorobenzene	22.4		ug/l	25.0		89 80-120			
Surrogate: Dibromofluoromethane	22.2		ug/l	25.0		89 80-120			
Surrogate: Toluene-d8	22.7		ug/l	25.0		91 80-120			
Matrix Spike Analyzed: 10/19/2008 (8J19015-MS1)					Source: IRJ1592-02				
Benzene	24.0	2.0	ug/l	25.0	ND	96 65-125			
Bromobenzene	26.5	5.0	ug/l	25.0	ND	106 70-125			
Bromochloromethane	24.8	5.0	ug/l	25.0	ND	99 65-135			
Bromodichloromethane	23.9	2.0	ug/l	25.0	ND	95 70-135			
Bromoform	20.7	5.0	ug/l	25.0	ND	83 55-135			
Bromomethane	24.8	5.0	ug/l	25.0	ND	99 55-145			
n-Butylbenzene	25.3	5.0	ug/l	25.0	ND	101 65-135			
tert-Butylbenzene	26.2	5.0	ug/l	25.0	ND	105 65-130			
sec-Butylbenzene	25.6	5.0	ug/l	25.0	0.250	101 70-125			
Carbon tetrachloride	23.1	5.0	ug/l	25.0	ND	92 65-140			
Chlorobenzene	26.6	2.0	ug/l	25.0	ND	107 75-125			
Chloroethane	23.1	5.0	ug/l	25.0	ND	92 55-140			
Chloroform	22.5	2.0	ug/l	25.0	ND	90 65-135			
Chloromethane	22.0	5.0	ug/l	25.0	ND	88 45-145			
4-Chlorotoluene	25.7	5.0	ug/l	25.0	ND	103 70-135			
2-Chlorotoluene	25.3	5.0	ug/l	25.0	ND	101 65-135			

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 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 8J19015 Extracted: 10/19/08									
Matrix Spike Analyzed: 10/19/2008 (8J19015-MS1)					Source: IRJ1592-02				
1,2-Dibromo-3-chloropropane	21.3	5.0	ug/l	25.0	ND	85	45-145		
Dibromochloromethane	21.8	2.0	ug/l	25.0	ND	87	65-140		
1,2-Dibromoethane (EDB)	25.4	2.0	ug/l	25.0	ND	101	70-130		
Dibromomethane	25.1	2.0	ug/l	25.0	ND	101	65-135		
1,2-Dichlorobenzene	26.2	2.0	ug/l	25.0	ND	105	75-125		
1,3-Dichlorobenzene	27.2	2.0	ug/l	25.0	ND	109	75-125		
1,4-Dichlorobenzene	26.0	2.0	ug/l	25.0	ND	104	75-125		
Dichlorodifluoromethane	22.9	5.0	ug/l	25.0	ND	92	25-155		
1,1-Dichloroethane	22.9	2.0	ug/l	25.0	ND	92	65-130		
1,2-Dichloroethane	23.2	2.0	ug/l	25.0	ND	93	60-140		
1,1-Dichloroethene	24.4	5.0	ug/l	25.0	ND	98	60-130		
cis-1,2-Dichloroethene	23.6	2.0	ug/l	25.0	ND	94	65-130		
trans-1,2-Dichloroethene	26.1	2.0	ug/l	25.0	ND	104	65-130		
1,3-Dichloropropane	24.0	2.0	ug/l	25.0	ND	96	65-135		
2,2-Dichloropropane	24.3	2.0	ug/l	25.0	ND	97	60-145		
1,2-Dichloropropane	24.8	2.0	ug/l	25.0	ND	99	65-130		
cis-1,3-Dichloropropene	24.7	2.0	ug/l	25.0	ND	99	70-130		
trans-1,3-Dichloropropene	23.5	2.0	ug/l	25.0	ND	94	65-135		
1,1-Dichloropropene	24.7	2.0	ug/l	25.0	ND	99	70-135		
Ethylbenzene	26.2	2.0	ug/l	25.0	ND	105	65-130		
Hexachlorobutadiene	30.6	5.0	ug/l	25.0	ND	122	60-135		
Isopropylbenzene	30.4	2.0	ug/l	25.0	ND	122	70-135		
p-Isopropyltoluene	25.6	2.0	ug/l	25.0	1.04	98	65-130		
Methylene chloride	22.5	5.0	ug/l	25.0	ND	90	50-135		
Naphthalene	23.7	5.0	ug/l	25.0	0.510	93	50-140		
n-Propylbenzene	26.3	2.0	ug/l	25.0	ND	105	70-135		
Styrene	26.0	2.0	ug/l	25.0	ND	104	50-145		
1,1,1,2-Tetrachloroethane	24.9	5.0	ug/l	25.0	ND	100	65-140		
1,1,2,2-Tetrachloroethane	24.7	2.0	ug/l	25.0	ND	99	55-135		
Tetrachloroethene	27.2	2.0	ug/l	25.0	ND	109	65-130		
Toluene	25.1	2.0	ug/l	25.0	ND	101	70-125		
1,2,3-Trichlorobenzene	24.6	5.0	ug/l	25.0	ND	99	60-135		
1,2,4-Trichlorobenzene	25.5	5.0	ug/l	25.0	ND	102	65-135		
1,1,1-Trichloroethane	23.6	2.0	ug/l	25.0	ND	94	65-140		
1,1,2-Trichloroethane	27.1	2.0	ug/l	25.0	ND	108	65-130		
Trichloroethene	26.1	2.0	ug/l	25.0	ND	104	65-125		

TestAmerica Irvine

Lena Davidkova
 Project Manager

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Diaz Yourman 1616 East 17th Street Santa Ana, CA 92705-8509 Attention: Gary Gilbert	Project ID: Cherry Ave / 2008-026 Cherry Ave / 2008-026 Report Number: IRJ1808	Sampled: 10/14/08 Received: 10/14/08
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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J19015 Extracted: 10/19/08										
Matrix Spike Analyzed: 10/19/2008 (8J19015-MS1)					Source: IRJ1592-02					
Trichlorofluoromethane	24.2	5.0	ug/l	25.0	ND	97	60-145			
1,2,3-Trichloropropane	23.1	10	ug/l	25.0	ND	92	55-135			
1,2,4-Trimethylbenzene	25.6	2.0	ug/l	25.0	ND	103	55-135			
1,3,5-Trimethylbenzene	26.4	2.0	ug/l	25.0	ND	106	70-130			
Vinyl chloride	24.0	5.0	ug/l	25.0	ND	96	45-140			
m,p-Xylenes	52.2	2.0	ug/l	50.0	ND	104	65-130			
o-Xylene	26.2	2.0	ug/l	25.0	ND	105	65-125			
Surrogate: 4-Bromofluorobenzene	22.9		ug/l	25.0		91	80-120			
Surrogate: Dibromofluoromethane	21.8		ug/l	25.0		87	80-120			
Surrogate: Toluene-d8	22.7		ug/l	25.0		91	80-120			
Matrix Spike Dup Analyzed: 10/19/2008 (8J19015-MSD1)					Source: IRJ1592-02					
Benzene	22.8	2.0	ug/l	25.0	ND	91	65-125	5	20	
Bromobenzene	25.1	5.0	ug/l	25.0	ND	100	70-125	5	20	
Bromochloromethane	24.5	5.0	ug/l	25.0	ND	98	65-135	1	25	
Bromodichloromethane	23.0	2.0	ug/l	25.0	ND	92	70-135	4	20	
Bromoform	20.3	5.0	ug/l	25.0	ND	81	55-135	2	25	
Bromomethane	23.6	5.0	ug/l	25.0	ND	94	55-145	5	25	
n-Butylbenzene	23.4	5.0	ug/l	25.0	ND	93	65-135	8	20	
tert-Butylbenzene	24.5	5.0	ug/l	25.0	ND	98	65-130	7	20	
sec-Butylbenzene	23.8	5.0	ug/l	25.0	0.250	94	70-125	7	20	
Carbon tetrachloride	22.6	5.0	ug/l	25.0	ND	90	65-140	2	25	
Chlorobenzene	25.4	2.0	ug/l	25.0	ND	101	75-125	5	20	
Chloroethane	21.8	5.0	ug/l	25.0	ND	87	55-140	6	25	
Chloroform	21.4	2.0	ug/l	25.0	ND	86	65-135	5	20	
Chloromethane	20.5	5.0	ug/l	25.0	ND	82	45-145	7	25	
4-Chlorotoluene	24.0	5.0	ug/l	25.0	ND	96	70-135	7	20	
2-Chlorotoluene	23.8	5.0	ug/l	25.0	ND	95	65-135	6	20	
1,2-Dibromo-3-chloropropane	20.4	5.0	ug/l	25.0	ND	81	45-145	5	30	
Dibromochloromethane	21.1	2.0	ug/l	25.0	ND	84	65-140	3	25	
1,2-Dibromoethane (EDB)	24.1	2.0	ug/l	25.0	ND	96	70-130	5	25	
Dibromomethane	24.2	2.0	ug/l	25.0	ND	97	65-135	4	25	
1,2-Dichlorobenzene	25.2	2.0	ug/l	25.0	ND	101	75-125	4	20	
1,3-Dichlorobenzene	25.6	2.0	ug/l	25.0	ND	102	75-125	6	20	
1,4-Dichlorobenzene	24.9	2.0	ug/l	25.0	ND	99	75-125	5	20	
Dichlorodifluoromethane	21.1	5.0	ug/l	25.0	ND	85	25-155	8	30	

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Lena Davidkova
Project Manager

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Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J19015 Extracted: 10/19/08										
Matrix Spike Dup Analyzed: 10/19/2008 (8J19015-MSD1)					Source: IRJ1592-02					
1,1-Dichloroethane	21.7	2.0	ug/l	25.0	ND	87	65-130	6	20	
1,2-Dichloroethane	22.3	2.0	ug/l	25.0	ND	89	60-140	4	20	
1,1-Dichloroethene	23.6	5.0	ug/l	25.0	ND	94	60-130	3	20	
cis-1,2-Dichloroethene	22.8	2.0	ug/l	25.0	ND	91	65-130	3	20	
trans-1,2-Dichloroethene	24.7	2.0	ug/l	25.0	ND	99	65-130	5	20	
1,3-Dichloropropane	23.1	2.0	ug/l	25.0	ND	93	65-135	4	25	
2,2-Dichloropropane	23.2	2.0	ug/l	25.0	ND	93	60-145	5	25	
1,2-Dichloropropane	23.7	2.0	ug/l	25.0	ND	95	65-130	4	20	
cis-1,3-Dichloropropene	23.8	2.0	ug/l	25.0	ND	95	70-130	4	20	
trans-1,3-Dichloropropene	22.9	2.0	ug/l	25.0	ND	92	65-135	3	25	
1,1-Dichloropropene	23.0	2.0	ug/l	25.0	ND	92	70-135	7	20	
Ethylbenzene	24.5	2.0	ug/l	25.0	ND	98	65-130	7	20	
Hexachlorobutadiene	29.2	5.0	ug/l	25.0	ND	117	60-135	5	20	
Isopropylbenzene	28.1	2.0	ug/l	25.0	ND	112	70-135	8	20	
p-Isopropyltoluene	23.9	2.0	ug/l	25.0	1.04	92	65-130	7	20	
Methylene chloride	22.0	5.0	ug/l	25.0	ND	88	50-135	2	20	
Naphthalene	23.5	5.0	ug/l	25.0	0.510	92	50-140	1	30	
n-Propylbenzene	24.5	2.0	ug/l	25.0	ND	98	70-135	7	20	
Styrene	24.5	2.0	ug/l	25.0	ND	98	50-145	6	30	
1,1,1,2-Tetrachloroethane	24.1	5.0	ug/l	25.0	ND	96	65-140	3	20	
1,1,2,2-Tetrachloroethane	23.3	2.0	ug/l	25.0	ND	93	55-135	6	30	
Tetrachloroethene	24.8	2.0	ug/l	25.0	ND	99	65-130	9	20	
Toluene	23.6	2.0	ug/l	25.0	ND	95	70-125	6	20	
1,2,3-Trichlorobenzene	24.1	5.0	ug/l	25.0	ND	96	60-135	2	20	
1,2,4-Trichlorobenzene	24.9	5.0	ug/l	25.0	ND	100	65-135	2	20	
1,1,1-Trichloroethane	22.6	2.0	ug/l	25.0	ND	90	65-140	4	20	
1,1,2-Trichloroethane	25.9	2.0	ug/l	25.0	ND	104	65-130	4	25	
Trichloroethene	24.8	2.0	ug/l	25.0	ND	99	65-125	5	20	
Trichlorofluoromethane	22.5	5.0	ug/l	25.0	ND	90	60-145	7	25	
1,2,3-Trichloropropane	21.9	10	ug/l	25.0	ND	88	55-135	5	30	
1,2,4-Trimethylbenzene	24.2	2.0	ug/l	25.0	ND	97	55-135	6	25	
1,3,5-Trimethylbenzene	24.8	2.0	ug/l	25.0	ND	99	70-130	6	20	
Vinyl chloride	22.5	5.0	ug/l	25.0	ND	90	45-140	7	30	
m,p-Xylenes	49.0	2.0	ug/l	50.0	ND	98	65-130	6	25	
o-Xylene	24.6	2.0	ug/l	25.0	ND	99	65-125	6	20	
Surrogate: 4-Bromofluorobenzene	22.9		ug/l	25.0		91	80-120			

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Lena Davidkova
Project Manager

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Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 8J19015 Extracted: 10/19/08									
Matrix Spike Dup Analyzed: 10/19/2008 (8J19015-MSD1)					Source: IRJ1592-02				
Surrogate: Dibromofluoromethane	22.2		ug/l	25.0		89	80-120		
Surrogate: Toluene-d8	22.7		ug/l	25.0		91	80-120		

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Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J19012 Extracted: 10/19/08										
Blank Analyzed: 10/19/2008 (8J19012-BLK1)										
Benzene	ND	2.0	ug/kg							
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	ug/kg							
Bromodichloromethane	ND	2.0	ug/kg							
Bromoform	ND	5.0	ug/kg							
Bromomethane	ND	5.0	ug/kg							
n-Butylbenzene	ND	5.0	ug/kg							
tert-Butylbenzene	ND	5.0	ug/kg							
sec-Butylbenzene	ND	5.0	ug/kg							
Carbon tetrachloride	ND	5.0	ug/kg							
Chlorobenzene	ND	2.0	ug/kg							
Chloroethane	ND	5.0	ug/kg							
Chloroform	ND	2.0	ug/kg							
Chloromethane	ND	5.0	ug/kg							
4-Chlorotoluene	ND	5.0	ug/kg							
2-Chlorotoluene	ND	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg							
Dibromochloromethane	ND	2.0	ug/kg							
1,2-Dibromoethane (EDB)	ND	2.0	ug/kg							
Dibromomethane	ND	2.0	ug/kg							
1,2-Dichlorobenzene	ND	2.0	ug/kg							
1,3-Dichlorobenzene	ND	2.0	ug/kg							
1,4-Dichlorobenzene	ND	2.0	ug/kg							
Dichlorodifluoromethane	ND	5.0	ug/kg							
1,1-Dichloroethane	ND	2.0	ug/kg							
1,2-Dichloroethane	ND	2.0	ug/kg							
1,1-Dichloroethene	ND	5.0	ug/kg							
cis-1,2-Dichloroethene	ND	2.0	ug/kg							
trans-1,2-Dichloroethene	ND	2.0	ug/kg							
1,3-Dichloropropane	ND	2.0	ug/kg							
2,2-Dichloropropane	ND	2.0	ug/kg							
1,2-Dichloropropane	ND	2.0	ug/kg							
cis-1,3-Dichloropropene	ND	2.0	ug/kg							
trans-1,3-Dichloropropene	ND	2.0	ug/kg							
1,1-Dichloropropene	ND	2.0	ug/kg							
Ethylbenzene	ND	2.0	ug/kg							

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Project Manager

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Diaz Yourman
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Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 8J19012 Extracted: 10/19/08									
Blank Analyzed: 10/19/2008 (8J19012-BLK1)									
Hexachlorobutadiene	ND	5.0	ug/kg						
Isopropylbenzene	ND	2.0	ug/kg						
p-Isopropyltoluene	ND	2.0	ug/kg						
Methylene chloride	ND	20	ug/kg						
Naphthalene	ND	5.0	ug/kg						
n-Propylbenzene	ND	2.0	ug/kg						
Styrene	ND	2.0	ug/kg						
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg						
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg						
Tetrachloroethene	ND	2.0	ug/kg						
Toluene	ND	2.0	ug/kg						
1,2,3-Trichlorobenzene	ND	5.0	ug/kg						
1,2,4-Trichlorobenzene	ND	5.0	ug/kg						
1,1,1-Trichloroethane	ND	2.0	ug/kg						
1,1,2-Trichloroethane	ND	2.0	ug/kg						
Trichloroethene	ND	2.0	ug/kg						
Trichlorofluoromethane	ND	5.0	ug/kg						
1,2,3-Trichloropropane	ND	10	ug/kg						
1,2,4-Trimethylbenzene	ND	2.0	ug/kg						
1,3,5-Trimethylbenzene	ND	2.0	ug/kg						
Vinyl chloride	ND	5.0	ug/kg						
m,p-Xylenes	ND	2.0	ug/kg						
o-Xylene	ND	2.0	ug/kg						
Surrogate: 4-Bromofluorobenzene	50.5		ug/kg	50.0		101	80-120		
Surrogate: Dibromofluoromethane	51.8		ug/kg	50.0		104	80-125		
Surrogate: Toluene-d8	52.4		ug/kg	50.0		105	80-120		
LCS Analyzed: 10/19/2008 (8J19012-BS1)									
Benzene	47.2	2.0	ug/kg	50.0		94	65-120		MX
Bromobenzene	52.5	5.0	ug/kg	50.0		105	75-120		
Bromochloromethane	49.3	5.0	ug/kg	50.0		99	70-135		
Bromodichloromethane	51.4	2.0	ug/kg	50.0		103	70-135		
Bromoform	47.0	5.0	ug/kg	50.0		94	55-135		
Bromomethane	44.1	5.0	ug/kg	50.0		88	60-145		
n-Butylbenzene	49.2	5.0	ug/kg	50.0		98	70-130		
tert-Butylbenzene	53.6	5.0	ug/kg	50.0		107	70-125		

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Project Manager

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Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 8J19012 Extracted: 10/19/08									
LCS Analyzed: 10/19/2008 (8J19012-BS1)									
sec-Butylbenzene	50.1	5.0	ug/kg	50.0		100	70-125		MX
Carbon tetrachloride	58.9	5.0	ug/kg	50.0		118	65-140		
Chlorobenzene	49.4	2.0	ug/kg	50.0		99	75-120		
Chloroethane	45.7	5.0	ug/kg	50.0		91	60-140		
Chloroform	45.9	2.0	ug/kg	50.0		92	70-130		
Chloromethane	47.5	5.0	ug/kg	50.0		95	45-145		
4-Chlorotoluene	53.2	5.0	ug/kg	50.0		106	75-125		
2-Chlorotoluene	52.5	5.0	ug/kg	50.0		105	70-125		
1,2-Dibromo-3-chloropropane	43.7	5.0	ug/kg	50.0		87	50-135		
Dibromochloromethane	50.3	2.0	ug/kg	50.0		101	65-140		
1,2-Dibromoethane (EDB)	50.8	2.0	ug/kg	50.0		102	70-130		
Dibromomethane	48.7	2.0	ug/kg	50.0		97	70-130		
1,2-Dichlorobenzene	51.3	2.0	ug/kg	50.0		103	75-120		
1,3-Dichlorobenzene	51.3	2.0	ug/kg	50.0		103	75-125		
1,4-Dichlorobenzene	49.1	2.0	ug/kg	50.0		98	75-120		
Dichlorodifluoromethane	51.2	5.0	ug/kg	50.0		102	35-160		
1,1-Dichloroethane	47.4	2.0	ug/kg	50.0		95	70-130		
1,2-Dichloroethane	51.6	2.0	ug/kg	50.0		103	60-140		
1,1-Dichloroethene	45.1	5.0	ug/kg	50.0		90	70-125		
cis-1,2-Dichloroethene	45.4	2.0	ug/kg	50.0		91	70-125		
trans-1,2-Dichloroethene	50.3	2.0	ug/kg	50.0		101	70-125		
1,3-Dichloropropane	50.6	2.0	ug/kg	50.0		101	70-125		
2,2-Dichloropropane	54.1	2.0	ug/kg	50.0		108	60-145		
1,2-Dichloropropane	47.7	2.0	ug/kg	50.0		95	70-130		
cis-1,3-Dichloropropene	56.6	2.0	ug/kg	50.0		113	75-125		
trans-1,3-Dichloropropene	52.6	2.0	ug/kg	50.0		105	70-135		
1,1-Dichloropropene	48.5	2.0	ug/kg	50.0		97	70-130		
Ethylbenzene	51.4	2.0	ug/kg	50.0		103	70-125		
Hexachlorobutadiene	47.1	5.0	ug/kg	50.0		94	60-135		
Isopropylbenzene	59.5	2.0	ug/kg	50.0		119	75-130		
p-Isopropyltoluene	49.9	2.0	ug/kg	50.0		100	75-125		
Methylene chloride	40.7	20	ug/kg	50.0		81	55-135		
Naphthalene	47.4	5.0	ug/kg	50.0		95	55-135		
n-Propylbenzene	53.2	2.0	ug/kg	50.0		106	70-130		
Styrene	46.2	2.0	ug/kg	50.0		92	75-130		
1,1,1,2-Tetrachloroethane	51.9	5.0	ug/kg	50.0		104	70-130		

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Lena Davidkova
 Project Manager

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Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J19012 Extracted: 10/19/08										
LCS Analyzed: 10/19/2008 (8J19012-BS1)										
1,1,2,2-Tetrachloroethane	53.9	2.0	ug/kg	50.0		108	55-140			MX
Tetrachloroethene	47.3	2.0	ug/kg	50.0		95	70-125			
Toluene	47.9	2.0	ug/kg	50.0		96	70-125			
1,2,3-Trichlorobenzene	49.5	5.0	ug/kg	50.0		99	60-130			
1,2,4-Trichlorobenzene	52.9	5.0	ug/kg	50.0		106	70-135			
1,1,1-Trichloroethane	52.9	2.0	ug/kg	50.0		106	65-135			
1,1,2-Trichloroethane	49.8	2.0	ug/kg	50.0		100	65-135			
Trichloroethene	48.0	2.0	ug/kg	50.0		96	70-125			
Trichlorofluoromethane	49.5	5.0	ug/kg	50.0		99	60-145			
1,2,3-Trichloropropane	54.3	10	ug/kg	50.0		109	60-135			
1,2,4-Trimethylbenzene	51.9	2.0	ug/kg	50.0		104	70-125			
1,3,5-Trimethylbenzene	54.8	2.0	ug/kg	50.0		110	70-125			
Vinyl chloride	52.8	5.0	ug/kg	50.0		106	55-135			
m,p-Xylenes	102	2.0	ug/kg	100		102	70-125			
o-Xylene	50.2	2.0	ug/kg	50.0		100	70-125			
Surrogate: 4-Bromofluorobenzene	50.6		ug/kg	50.0		101	80-120			
Surrogate: Dibromofluoromethane	52.1		ug/kg	50.0		104	80-125			
Surrogate: Toluene-d8	52.6		ug/kg	50.0		105	80-120			
LCS Dup Analyzed: 10/19/2008 (8J19012-BSD1)										
Benzene	53.4	2.0	ug/kg	50.0		107	65-120	12	20	
Bromobenzene	59.7	5.0	ug/kg	50.0		119	75-120	13	20	
Bromochloromethane	56.1	5.0	ug/kg	50.0		112	70-135	13	20	
Bromodichloromethane	58.3	2.0	ug/kg	50.0		117	70-135	13	20	
Bromoform	53.6	5.0	ug/kg	50.0		107	55-135	13	25	
Bromomethane	50.6	5.0	ug/kg	50.0		101	60-145	14	20	
n-Butylbenzene	56.1	5.0	ug/kg	50.0		112	70-130	13	20	
tert-Butylbenzene	61.2	5.0	ug/kg	50.0		122	70-125	13	20	
sec-Butylbenzene	57.2	5.0	ug/kg	50.0		114	70-125	13	20	
Carbon tetrachloride	67.8	5.0	ug/kg	50.0		136	65-140	14	20	
Chlorobenzene	56.1	2.0	ug/kg	50.0		112	75-120	13	20	
Chloroethane	52.4	5.0	ug/kg	50.0		105	60-140	13	25	
Chloroform	52.3	2.0	ug/kg	50.0		105	70-130	13	20	
Chloromethane	54.4	5.0	ug/kg	50.0		109	45-145	13	25	
4-Chlorotoluene	60.8	5.0	ug/kg	50.0		122	75-125	13	20	
2-Chlorotoluene	59.8	5.0	ug/kg	50.0		120	70-125	13	20	

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Project Manager

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Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J19012 Extracted: 10/19/08									
LCS Dup Analyzed: 10/19/2008 (8J19012-BSD1)									
1,2-Dibromo-3-chloropropane	53.0	5.0	ug/kg	50.0		106 50-135	19	30	
Dibromochloromethane	58.0	2.0	ug/kg	50.0		116 65-140	14	20	
1,2-Dibromoethane (EDB)	59.2	2.0	ug/kg	50.0		118 70-130	15	20	
Dibromomethane	55.8	2.0	ug/kg	50.0		112 70-130	14	20	
1,2-Dichlorobenzene	58.2	2.0	ug/kg	50.0		116 75-120	13	20	
1,3-Dichlorobenzene	58.3	2.0	ug/kg	50.0		117 75-125	13	20	
1,4-Dichlorobenzene	56.1	2.0	ug/kg	50.0		112 75-120	13	20	
Dichlorodifluoromethane	59.2	5.0	ug/kg	50.0		118 35-160	14	30	
1,1-Dichloroethane	54.0	2.0	ug/kg	50.0		108 70-130	13	20	
1,2-Dichloroethane	59.1	2.0	ug/kg	50.0		118 60-140	14	20	
1,1-Dichloroethene	51.5	5.0	ug/kg	50.0		103 70-125	13	20	
cis-1,2-Dichloroethene	51.8	2.0	ug/kg	50.0		104 70-125	13	20	
trans-1,2-Dichloroethene	57.6	2.0	ug/kg	50.0		115 70-125	13	20	
1,3-Dichloropropane	57.9	2.0	ug/kg	50.0		116 70-125	14	20	
2,2-Dichloropropane	65.5	2.0	ug/kg	50.0		131 60-145	19	20	
1,2-Dichloropropane	54.0	2.0	ug/kg	50.0		108 70-130	12	20	
cis-1,3-Dichloropropene	64.8	2.0	ug/kg	50.0		130 75-125	14	20	L
trans-1,3-Dichloropropene	61.0	2.0	ug/kg	50.0		122 70-135	15	20	
1,1-Dichloropropene	55.4	2.0	ug/kg	50.0		111 70-130	13	20	
Ethylbenzene	58.1	2.0	ug/kg	50.0		116 70-125	12	20	
Hexachlorobutadiene	53.2	5.0	ug/kg	50.0		106 60-135	12	20	
Isopropylbenzene	68.3	2.0	ug/kg	50.0		137 75-130	14	20	L
p-Isopropyltoluene	56.7	2.0	ug/kg	50.0		113 75-125	13	20	
Methylene chloride	46.5	20	ug/kg	50.0		93 55-135	13	20	
Naphthalene	54.5	5.0	ug/kg	50.0		109 55-135	14	25	
n-Propylbenzene	61.1	2.0	ug/kg	50.0		122 70-130	14	20	
Styrene	52.6	2.0	ug/kg	50.0		105 75-130	13	20	
1,1,1,2-Tetrachloroethane	58.7	5.0	ug/kg	50.0		117 70-130	12	20	
1,1,2,2-Tetrachloroethane	64.6	2.0	ug/kg	50.0		129 55-140	18	30	
Tetrachloroethene	53.9	2.0	ug/kg	50.0		108 70-125	13	20	
Toluene	54.3	2.0	ug/kg	50.0		109 70-125	12	20	
1,2,3-Trichlorobenzene	55.2	5.0	ug/kg	50.0		110 60-130	11	20	
1,2,4-Trichlorobenzene	59.0	5.0	ug/kg	50.0		118 70-135	11	20	
1,1,1-Trichloroethane	60.6	2.0	ug/kg	50.0		121 65-135	14	20	
1,1,2-Trichloroethane	57.5	2.0	ug/kg	50.0		115 65-135	14	20	
Trichloroethene	54.3	2.0	ug/kg	50.0		109 70-125	12	20	

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Project Manager

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Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J19012 Extracted: 10/19/08										
LCS Dup Analyzed: 10/19/2008 (8J19012-BSD1)										
Trichlorofluoromethane	57.3	5.0	ug/kg	50.0		115	60-145	15	25	
1,2,3-Trichloropropane	65.1	10	ug/kg	50.0		130	60-135	18	25	
1,2,4-Trimethylbenzene	58.9	2.0	ug/kg	50.0		118	70-125	13	20	
1,3,5-Trimethylbenzene	62.7	2.0	ug/kg	50.0		125	70-125	13	20	
Vinyl chloride	59.1	5.0	ug/kg	50.0		118	55-135	11	25	
m,p-Xylenes	115	2.0	ug/kg	100		115	70-125	13	20	
o-Xylene	56.3	2.0	ug/kg	50.0		113	70-125	12	20	
Surrogate: 4-Bromofluorobenzene	50.3		ug/kg	50.0		101	80-120			
Surrogate: Dibromofluoromethane	51.7		ug/kg	50.0		103	80-125			
Surrogate: Toluene-d8	52.0		ug/kg	50.0		104	80-120			
Batch: 8J20023 Extracted: 10/20/08										
Blank Analyzed: 10/20/2008 (8J20023-BLK1)										
Benzene	ND	2.0	ug/kg							
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	ug/kg							
Bromodichloromethane	ND	2.0	ug/kg							
Bromoform	ND	5.0	ug/kg							
Bromomethane	ND	5.0	ug/kg							
n-Butylbenzene	ND	5.0	ug/kg							
tert-Butylbenzene	ND	5.0	ug/kg							
sec-Butylbenzene	ND	5.0	ug/kg							
Carbon tetrachloride	ND	5.0	ug/kg							
Chlorobenzene	ND	2.0	ug/kg							
Chloroethane	ND	5.0	ug/kg							
Chloroform	ND	2.0	ug/kg							
Chloromethane	ND	5.0	ug/kg							
4-Chlorotoluene	ND	5.0	ug/kg							
2-Chlorotoluene	ND	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg							
Dibromochloromethane	ND	2.0	ug/kg							
1,2-Dibromoethane (EDB)	ND	2.0	ug/kg							
Dibromomethane	ND	2.0	ug/kg							
1,2-Dichlorobenzene	ND	2.0	ug/kg							
1,3-Dichlorobenzene	ND	2.0	ug/kg							

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Lena Davidkova
 Project Manager

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Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	Data Limit	Qualifiers
Batch: 8J20023 Extracted: 10/20/08										
Blank Analyzed: 10/20/2008 (8J20023-BLK1)										
1,4-Dichlorobenzene	ND	2.0	ug/kg							
Dichlorodifluoromethane	ND	5.0	ug/kg							
1,1-Dichloroethane	ND	2.0	ug/kg							
1,2-Dichloroethane	ND	2.0	ug/kg							
1,1-Dichloroethene	ND	5.0	ug/kg							
cis-1,2-Dichloroethene	ND	2.0	ug/kg							
trans-1,2-Dichloroethene	ND	2.0	ug/kg							
1,3-Dichloropropane	ND	2.0	ug/kg							
2,2-Dichloropropane	ND	2.0	ug/kg							
1,2-Dichloropropane	ND	2.0	ug/kg							
cis-1,3-Dichloropropene	ND	2.0	ug/kg							
trans-1,3-Dichloropropene	ND	2.0	ug/kg							
1,1-Dichloropropene	ND	2.0	ug/kg							
Ethylbenzene	ND	2.0	ug/kg							
Hexachlorobutadiene	ND	5.0	ug/kg							
Isopropylbenzene	ND	2.0	ug/kg							
p-Isopropyltoluene	ND	2.0	ug/kg							
Methylene chloride	ND	2.0	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Propylbenzene	ND	2.0	ug/kg							
Styrene	ND	2.0	ug/kg							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg							
Tetrachloroethene	ND	2.0	ug/kg							
Toluene	ND	2.0	ug/kg							
1,2,3-Trichlorobenzene	ND	5.0	ug/kg							
1,2,4-Trichlorobenzene	ND	5.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	ug/kg							
1,1,2-Trichloroethane	ND	2.0	ug/kg							
Trichloroethene	ND	2.0	ug/kg							
Trichlorofluoromethane	ND	5.0	ug/kg							
1,2,3-Trichloropropane	ND	10	ug/kg							
1,2,4-Trimethylbenzene	ND	2.0	ug/kg							
1,3,5-Trimethylbenzene	ND	2.0	ug/kg							
Vinyl chloride	ND	5.0	ug/kg							
m,p-Xylenes	ND	2.0	ug/kg							

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Lena Davidkova
 Project Manager

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Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J20023 Extracted: 10/20/08										
Blank Analyzed: 10/20/2008 (8J20023-BLK1)										
o-Xylene	ND	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	49.5		ug/kg	50.0		99	80-120			
Surrogate: Dibromofluoromethane	55.0		ug/kg	50.0		110	80-125			
Surrogate: Toluene-d8	47.2		ug/kg	50.0		94	80-120			
LCS Analyzed: 10/20/2008 (8J20023-BS1)										
Benzene	44.3	2.0	ug/kg	50.0		89	65-120			
Bromobenzene	48.6	5.0	ug/kg	50.0		97	75-120			
Bromochloromethane	51.5	5.0	ug/kg	50.0		103	70-135			
Bromodichloromethane	58.6	2.0	ug/kg	50.0		117	70-135			
Bromoform	52.8	5.0	ug/kg	50.0		106	55-135			
Bromomethane	52.8	5.0	ug/kg	50.0		106	60-145			
n-Butylbenzene	48.8	5.0	ug/kg	50.0		98	70-130			
tert-Butylbenzene	45.7	5.0	ug/kg	50.0		91	70-125			
sec-Butylbenzene	46.5	5.0	ug/kg	50.0		93	70-125			
Carbon tetrachloride	63.7	5.0	ug/kg	50.0		127	65-140			
Chlorobenzene	49.8	2.0	ug/kg	50.0		100	75-120			
Chloroethane	46.6	5.0	ug/kg	50.0		93	60-140			
Chloroform	54.0	2.0	ug/kg	50.0		108	70-130			
Chloromethane	39.1	5.0	ug/kg	50.0		78	45-145			
4-Chlorotoluene	48.5	5.0	ug/kg	50.0		97	75-125			
2-Chlorotoluene	48.6	5.0	ug/kg	50.0		97	70-125			
1,2-Dibromo-3-chloropropane	47.4	5.0	ug/kg	50.0		95	50-135			
Dibromochloromethane	55.2	2.0	ug/kg	50.0		110	65-140			
1,2-Dibromoethane (EDB)	53.0	2.0	ug/kg	50.0		106	70-130			
Dibromomethane	52.9	2.0	ug/kg	50.0		106	70-130			
1,2-Dichlorobenzene	49.4	2.0	ug/kg	50.0		99	75-120			
1,3-Dichlorobenzene	47.9	2.0	ug/kg	50.0		96	75-125			
1,4-Dichlorobenzene	46.3	2.0	ug/kg	50.0		93	75-120			
Dichlorodifluoromethane	54.5	5.0	ug/kg	50.0		109	35-160			
1,1-Dichloroethane	47.5	2.0	ug/kg	50.0		95	70-130			
1,2-Dichloroethane	56.7	2.0	ug/kg	50.0		113	60-140			
1,1-Dichloroethene	49.7	5.0	ug/kg	50.0		99	70-125			
cis-1,2-Dichloroethene	48.4	2.0	ug/kg	50.0		97	70-125			
trans-1,2-Dichloroethene	49.1	2.0	ug/kg	50.0		98	70-125			
1,3-Dichloropropane	53.5	2.0	ug/kg	50.0		107	70-125			

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Project Manager

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Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J20023 Extracted: 10/20/08										
LCS Analyzed: 10/20/2008 (8J20023-BS1)										
2,2-Dichloropropane	57.8	2.0	ug/kg	50.0		116	60-145			
1,2-Dichloropropane	42.9	2.0	ug/kg	50.0		86	70-130			
cis-1,3-Dichloropropene	49.6	2.0	ug/kg	50.0		99	75-125			
trans-1,3-Dichloropropene	52.4	2.0	ug/kg	50.0		105	70-135			
1,1-Dichloropropene	50.3	2.0	ug/kg	50.0		101	70-130			
Ethylbenzene	49.9	2.0	ug/kg	50.0		100	70-125			
Hexachlorobutadiene	47.4	5.0	ug/kg	50.0		95	60-135			
Isopropylbenzene	54.4	2.0	ug/kg	50.0		109	75-130			
p-Isopropyltoluene	46.5	2.0	ug/kg	50.0		93	75-125			
Methylene chloride	44.8	20	ug/kg	50.0		90	55-135			
Naphthalene	48.5	5.0	ug/kg	50.0		97	55-135			
n-Propylbenzene	48.1	2.0	ug/kg	50.0		96	70-130			
Styrene	48.5	2.0	ug/kg	50.0		97	75-130			
1,1,1,2-Tetrachloroethane	57.9	5.0	ug/kg	50.0		116	70-130			
1,1,2,2-Tetrachloroethane	48.2	2.0	ug/kg	50.0		96	55-140			
Tetrachloroethene	49.9	2.0	ug/kg	50.0		100	70-125			
Toluene	46.3	2.0	ug/kg	50.0		93	70-125			
1,2,3-Trichlorobenzene	50.4	5.0	ug/kg	50.0		101	60-130			
1,2,4-Trichlorobenzene	50.7	5.0	ug/kg	50.0		101	70-135			
1,1,1-Trichloroethane	58.3	2.0	ug/kg	50.0		117	65-135			
1,1,2-Trichloroethane	49.7	2.0	ug/kg	50.0		99	65-135			
Trichloroethene	49.4	2.0	ug/kg	50.0		99	70-125			
Trichlorofluoromethane	64.6	5.0	ug/kg	50.0		129	60-145			
1,2,3-Trichloropropane	49.7	10	ug/kg	50.0		99	60-135			
1,2,4-Trimethylbenzene	45.9	2.0	ug/kg	50.0		92	70-125			
1,3,5-Trimethylbenzene	47.2	2.0	ug/kg	50.0		94	70-125			
Vinyl chloride	48.5	5.0	ug/kg	50.0		97	55-135			
m,p-Xylenes	91.4	2.0	ug/kg	100		91	70-125			
o-Xylene	47.2	2.0	ug/kg	50.0		94	70-125			
Surrogate: 4-Bromofluorobenzene	51.1		ug/kg	50.0		102	80-120			
Surrogate: Dibromofluoromethane	54.7		ug/kg	50.0		109	80-125			
Surrogate: Toluene-d8	46.9		ug/kg	50.0		94	80-120			

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Lena Davidkova
Project Manager

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Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	RPD Limit	Data Qualifiers
Batch: 8J20023 Extracted: 10/20/08									
Matrix Spike Analyzed: 10/21/2008 (8J20023-MS1)					Source: IRJ1811-01				
Benzene	54.1	2.1	ug/kg	52.6	ND	103	65-130		
Bromobenzene	67.7	5.3	ug/kg	52.6	ND	129	65-140		
Bromochloromethane	64.2	5.3	ug/kg	52.6	ND	122	65-145		
Bromodichloromethane	64.7	2.1	ug/kg	52.6	ND	123	65-145		
Bromoform	58.2	5.3	ug/kg	52.6	ND	111	50-145		
Bromomethane	68.6	5.3	ug/kg	52.6	ND	130	60-155		
n-Butylbenzene	46.0	5.3	ug/kg	52.6	ND	87	55-145		
tert-Butylbenzene	53.5	5.3	ug/kg	52.6	ND	102	60-140		
sec-Butylbenzene	49.2	5.3	ug/kg	52.6	ND	93	60-135		
Carbon tetrachloride	62.2	5.3	ug/kg	52.6	ND	118	60-145		
Chlorobenzene	58.4	2.1	ug/kg	52.6	ND	111	70-130		
Chloroethane	60.8	5.3	ug/kg	52.6	ND	115	60-150		
Chloroform	60.7	2.1	ug/kg	52.6	ND	115	65-135		
Chloromethane	53.6	5.3	ug/kg	52.6	ND	102	40-145		
4-Chlorotoluene	60.3	5.3	ug/kg	52.6	ND	115	65-135		
2-Chlorotoluene	60.8	5.3	ug/kg	52.6	ND	115	60-135		
1,2-Dibromo-3-chloropropane	69.3	5.3	ug/kg	52.6	ND	132	40-150		
Dibromochloromethane	65.9	2.1	ug/kg	52.6	ND	125	60-145		
1,2-Dibromoethane (EDB)	67.7	2.1	ug/kg	52.6	ND	129	65-140		
Dibromomethane	61.2	2.1	ug/kg	52.6	ND	116	65-140		
1,2-Dichlorobenzene	57.7	2.1	ug/kg	52.6	ND	110	70-130		
1,3-Dichlorobenzene	57.3	2.1	ug/kg	52.6	ND	109	70-130		
1,4-Dichlorobenzene	57.0	2.1	ug/kg	52.6	ND	108	70-130		
Dichlorodifluoromethane	52.8	5.3	ug/kg	52.6	ND	100	30-160		
1,1-Dichloroethane	58.2	2.1	ug/kg	52.6	ND	111	65-135		
1,2-Dichloroethane	64.0	2.1	ug/kg	52.6	ND	122	60-150		
1,1-Dichloroethene	55.9	5.3	ug/kg	52.6	ND	106	65-135		
cis-1,2-Dichloroethene	59.7	2.1	ug/kg	52.6	ND	113	65-135		
trans-1,2-Dichloroethene	59.9	2.1	ug/kg	52.6	ND	114	70-135		
1,3-Dichloropropane	67.9	2.1	ug/kg	52.6	ND	129	65-140		
2,2-Dichloropropane	68.2	2.1	ug/kg	52.6	ND	130	65-150		
1,2-Dichloropropane	55.5	2.1	ug/kg	52.6	ND	106	65-130		
cis-1,3-Dichloropropene	59.9	2.1	ug/kg	52.6	ND	114	70-135		
trans-1,3-Dichloropropene	60.6	2.1	ug/kg	52.6	ND	115	60-145		
1,1-Dichloropropene	54.7	2.1	ug/kg	52.6	ND	104	65-135		
Ethylbenzene	56.3	2.1	ug/kg	52.6	ND	107	70-135		

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Lena Davidkova
Project Manager

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IRJ1808 <Page 46 of 57>

Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 8J20023 Extracted: 10/20/08									
Matrix Spike Analyzed: 10/21/2008 (8J20023-MS1)					Source: IRJ1811-01				
Hexachlorobutadiene	26.3	5.3	ug/kg	52.6	ND	50	50-145		
Isopropylbenzene	71.7	2.1	ug/kg	52.6	ND	136	70-145		
p-Isopropyltoluene	49.4	2.1	ug/kg	52.6	ND	94	60-140		
Methylene chloride	54.4	21	ug/kg	52.6	ND	103	55-145		
Naphthalene	52.6	5.3	ug/kg	52.6	2.53	95	40-150		
n-Propylbenzene	58.4	2.1	ug/kg	52.6	ND	111	65-140		
Styrene	56.0	2.1	ug/kg	52.6	ND	106	70-140		
1,1,1,2-Tetrachloroethane	67.3	5.3	ug/kg	52.6	ND	128	65-145		
1,1,2,2-Tetrachloroethane	79.6	2.1	ug/kg	52.6	ND	151	40-160		
Tetrachloroethene	53.7	2.1	ug/kg	52.6	ND	102	65-135		
Toluene	53.2	2.1	ug/kg	52.6	ND	101	70-130		
1,2,3-Trichlorobenzene	37.3	5.3	ug/kg	52.6	ND	71	45-145		
1,2,4-Trichlorobenzene	41.9	5.3	ug/kg	52.6	ND	80	50-140		
1,1,1-Trichloroethane	62.2	2.1	ug/kg	52.6	ND	118	65-145		
1,1,2-Trichloroethane	59.9	2.1	ug/kg	52.6	ND	114	65-140		
Trichloroethene	55.5	2.1	ug/kg	52.6	ND	106	65-140		
Trichlorofluoromethane	62.9	5.3	ug/kg	52.6	ND	120	55-155		
1,2,3-Trichloropropane	78.7	11	ug/kg	52.6	ND	149	50-150		
1,2,4-Trimethylbenzene	57.2	2.1	ug/kg	52.6	ND	109	65-140		
1,3,5-Trimethylbenzene	56.7	2.1	ug/kg	52.6	ND	108	65-135		
Vinyl chloride	60.3	5.3	ug/kg	52.6	ND	115	55-140		
m,p-Xylenes	107	2.1	ug/kg	105	ND	102	70-130		
o-Xylene	54.3	2.1	ug/kg	52.6	ND	103	65-130		
Surrogate: 4-Bromofluorobenzene	47.5		ug/kg	52.6		90	80-120		
Surrogate: Dibromofluoromethane	57.4		ug/kg	52.6		109	80-125		
Surrogate: Toluene-d8	46.7		ug/kg	52.6		89	80-120		
Matrix Spike Dup Analyzed: 10/20/2008 (8J20023-MSD1)					Source: IRJ1811-01				
Benzene	48.0	2.1	ug/kg	53.2	ND	90	65-130	12	20
Bromobenzene	56.7	5.3	ug/kg	53.2	ND	107	65-140	18	25
Bromochloromethane	56.3	5.3	ug/kg	53.2	ND	106	65-145	13	25
Bromodichloromethane	60.7	2.1	ug/kg	53.2	ND	114	65-145	6	20
Bromoform	53.2	5.3	ug/kg	53.2	ND	100	50-145	9	30
Bromomethane	60.8	5.3	ug/kg	53.2	ND	114	60-155	12	25
n-Butylbenzene	43.8	5.3	ug/kg	53.2	ND	82	55-145	5	30
tert-Butylbenzene	49.1	5.3	ug/kg	53.2	ND	92	60-140	9	25

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Project Manager

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Diaz Yourman
1616 East 17th Street
Santa Ana, CA 92705-8509
Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
Cherry Ave / 2008-026
Report Number: IRJ1808

Sampled: 10/14/08
Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J20023 Extracted: 10/20/08										
Matrix Spike Dup Analyzed: 10/20/2008 (8J20023-MSD1)					Source: IRJ1811-01					
sec-Butylbenzene	46.4	5.3	ug/kg	53.2	ND	87	60-135	6	25	
Carbon tetrachloride	62.1	5.3	ug/kg	53.2	ND	117	60-145	0	25	
Chlorobenzene	50.7	2.1	ug/kg	53.2	ND	95	70-130	14	25	
Chloroethane	53.2	5.3	ug/kg	53.2	ND	100	60-150	13	25	
Chloroform	56.1	2.1	ug/kg	53.2	ND	105	65-135	8	20	
Chloromethane	44.7	5.3	ug/kg	53.2	ND	84	40-145	18	25	
4-Chlorotoluene	53.7	5.3	ug/kg	53.2	ND	101	65-135	12	25	
2-Chlorotoluene	54.5	5.3	ug/kg	53.2	ND	103	60-135	11	25	
1,2-Dibromo-3-chloropropane	55.3	5.3	ug/kg	53.2	ND	104	40-150	23	30	
Dibromochloromethane	58.1	2.1	ug/kg	53.2	ND	109	60-145	13	25	
1,2-Dibromoethane (EDB)	59.0	2.1	ug/kg	53.2	ND	111	65-140	14	25	
Dibromomethane	57.5	2.1	ug/kg	53.2	ND	108	65-140	6	25	
1,2-Dichlorobenzene	51.3	2.1	ug/kg	53.2	ND	96	70-130	12	25	
1,3-Dichlorobenzene	50.4	2.1	ug/kg	53.2	ND	95	70-130	13	25	
1,4-Dichlorobenzene	49.4	2.1	ug/kg	53.2	ND	93	70-130	14	25	
Dichlorodifluoromethane	54.0	5.3	ug/kg	53.2	ND	102	30-160	2	35	
1,1-Dichloroethane	51.4	2.1	ug/kg	53.2	ND	97	65-135	12	25	
1,2-Dichloroethane	60.3	2.1	ug/kg	53.2	ND	113	60-150	6	25	
1,1-Dichloroethene	52.5	5.3	ug/kg	53.2	ND	99	65-135	6	25	
cis-1,2-Dichloroethene	52.4	2.1	ug/kg	53.2	ND	98	65-135	13	25	
trans-1,2-Dichloroethene	52.8	2.1	ug/kg	53.2	ND	99	70-135	13	25	
1,3-Dichloropropane	58.2	2.1	ug/kg	53.2	ND	109	65-140	15	25	
2,2-Dichloropropane	58.9	2.1	ug/kg	53.2	ND	111	65-150	15	25	
1,2-Dichloropropane	48.9	2.1	ug/kg	53.2	ND	92	65-130	13	20	
cis-1,3-Dichloropropene	54.5	2.1	ug/kg	53.2	ND	103	70-135	9	25	
trans-1,3-Dichloropropene	55.9	2.1	ug/kg	53.2	ND	105	60-145	8	25	
1,1-Dichloropropene	51.1	2.1	ug/kg	53.2	ND	96	65-135	7	20	
Ethylbenzene	50.9	2.1	ug/kg	53.2	ND	96	70-135	10	25	
Hexachlorobutadiene	26.8	5.3	ug/kg	53.2	ND	50	50-145	2	35	
Isopropylbenzene	62.0	2.1	ug/kg	53.2	ND	117	70-145	15	25	
p-Isopropyltoluene	45.9	2.1	ug/kg	53.2	ND	86	60-140	7	25	
Methylene chloride	49.5	2.1	ug/kg	53.2	ND	93	55-145	9	25	
Naphthalene	46.0	5.3	ug/kg	53.2	2.53	82	40-150	13	40	
n-Propylbenzene	53.9	2.1	ug/kg	53.2	ND	101	65-140	8	25	
Styrene	49.0	2.1	ug/kg	53.2	ND	92	70-140	13	25	
1,1,1,2-Tetrachloroethane	60.9	5.3	ug/kg	53.2	ND	115	65-145	10	20	

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Lena Davidkova
Project Manager

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Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J20023 Extracted: 10/20/08										
Matrix Spike Dup Analyzed: 10/20/2008 (8J20023-MSD1)					Source: IRJ1811-01					
1,1,2,2-Tetrachloroethane	63.8	2.1	ug/kg	53.2	ND	120	40-160	22	30	
Tetrachloroethene	50.1	2.1	ug/kg	53.2	ND	94	65-135	7	25	
Toluene	48.4	2.1	ug/kg	53.2	ND	91	70-130	9	20	
1,2,3-Trichlorobenzene	34.9	5.3	ug/kg	53.2	ND	66	45-145	7	30	
1,2,4-Trichlorobenzene	38.4	5.3	ug/kg	53.2	ND	72	50-140	9	30	
1,1,1-Trichloroethane	58.0	2.1	ug/kg	53.2	ND	109	65-145	7	20	
1,1,2-Trichloroethane	55.0	2.1	ug/kg	53.2	ND	103	65-140	9	30	
Trichloroethene	50.6	2.1	ug/kg	53.2	ND	95	65-140	9	25	
Trichlorofluoromethane	62.7	5.3	ug/kg	53.2	ND	118	55-155	0	25	
1,2,3-Trichloropropane	64.3	11	ug/kg	53.2	ND	121	50-150	20	30	
1,2,4-Trimethylbenzene	50.4	2.1	ug/kg	53.2	ND	95	65-140	13	25	
1,3,5-Trimethylbenzene	52.0	2.1	ug/kg	53.2	ND	98	65-135	9	25	
Vinyl chloride	52.9	5.3	ug/kg	53.2	ND	99	55-140	13	30	
m,p-Xylenes	94.1	2.1	ug/kg	106	ND	88	70-130	13	25	
o-Xylene	48.3	2.1	ug/kg	53.2	ND	91	65-130	12	25	
Surrogate: 4-Bromofluorobenzene	50.1		ug/kg	53.2		94	80-120			
Surrogate: Dibromofluoromethane	57.9		ug/kg	53.2		109	80-125			
Surrogate: Toluene-d8	49.0		ug/kg	53.2		92	80-120			

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 Lena Davidkova
 Project Manager

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Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	RPD Limit	Data Qualifiers
Batch: 8J18050 Extracted: 10/18/08									
Blank Analyzed: 10/19/2008 (8J18050-BLK1)									
Antimony	ND	0.010	mg/l						
Arsenic	ND	0.010	mg/l						
Barium	ND	0.010	mg/l						
Beryllium	ND	0.0040	mg/l						
Cadmium	ND	0.0050	mg/l						
Chromium	ND	0.0050	mg/l						
Cobalt	ND	0.010	mg/l						
Copper	ND	0.010	mg/l						
Lead	ND	0.0050	mg/l						
Molybdenum	ND	0.020	mg/l						
Nickel	ND	0.010	mg/l						
Selenium	ND	0.010	mg/l						
Silver	ND	0.010	mg/l						
Thallium	ND	0.010	mg/l						
Vanadium	ND	0.010	mg/l						
Zinc	ND	0.020	mg/l						
LCS Analyzed: 10/19/2008 (8J18050-BS1)									
Antimony	0.964	0.010	mg/l	1.00		96		80-120	
Arsenic	0.949	0.010	mg/l	1.00		95		80-120	
Barium	0.967	0.010	mg/l	1.00		97		80-120	
Beryllium	0.967	0.0040	mg/l	1.00		97		80-120	
Cadmium	0.928	0.0050	mg/l	1.00		93		80-120	
Chromium	0.952	0.0050	mg/l	1.00		95		80-120	
Cobalt	0.933	0.010	mg/l	1.00		93		80-120	
Copper	0.948	0.010	mg/l	1.00		95		80-120	
Lead	0.966	0.0050	mg/l	1.00		97		80-120	
Molybdenum	0.933	0.020	mg/l	1.00		93		80-120	
Nickel	0.939	0.010	mg/l	1.00		94		80-120	
Selenium	0.931	0.010	mg/l	1.00		93		80-120	
Silver	0.487	0.010	mg/l	0.500		97		80-120	
Thallium	0.974	0.010	mg/l	1.00		97		80-120	
Vanadium	0.949	0.010	mg/l	1.00		95		80-120	
Zinc	0.927	0.020	mg/l	1.00		93		80-120	

TestAmerica Irvine

Lena Davidkova
 Project Manager

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Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 8J18050 Extracted: 10/18/08										
Matrix Spike Analyzed: 10/19/2008 (8J18050-MS1)					Source: IRJ1395-01					
Antimony	0.976	0.020	mg/l	1.00	ND	98	75-125			
Arsenic	0.970	0.020	mg/l	1.00	ND	97	75-125			
Barium	0.986	0.020	mg/l	1.00	ND	99	75-125			
Beryllium	0.987	0.0080	mg/l	1.00	0.00898	98	75-125			
Cadmium	0.932	0.010	mg/l	1.00	ND	93	75-125			
Chromium	0.979	0.010	mg/l	1.00	0.0194	96	75-125			
Cobalt	1.24	0.020	mg/l	1.00	0.289	95	75-125			
Copper	1.75	0.020	mg/l	1.00	0.740	101	75-125			
Lead	0.973	0.010	mg/l	1.00	ND	97	75-125			
Molybdenum	0.934	0.040	mg/l	1.00	ND	93	75-125			
Nickel	1.41	0.020	mg/l	1.00	0.451	95	75-125			
Selenium	0.947	0.020	mg/l	1.00	ND	95	75-125			
Silver	0.503	0.020	mg/l	0.500	ND	101	75-125			
Thallium	0.991	0.020	mg/l	1.00	0.0204	97	75-125			
Vanadium	0.962	0.020	mg/l	1.00	ND	96	75-125			
Zinc	1.58	0.040	mg/l	1.00	0.632	95	75-125			
Matrix Spike Dup Analyzed: 10/19/2008 (8J18050-MSD1)					Source: IRJ1395-01					
Antimony	0.991	0.020	mg/l	1.00	ND	99	75-125	2	20	
Arsenic	0.985	0.020	mg/l	1.00	ND	98	75-125	2	20	
Barium	0.984	0.020	mg/l	1.00	ND	98	75-125	0	20	
Beryllium	0.991	0.0080	mg/l	1.00	0.00898	98	75-125	0	20	
Cadmium	0.930	0.010	mg/l	1.00	ND	93	75-125	0	20	
Chromium	0.994	0.010	mg/l	1.00	0.0194	97	75-125	2	20	
Cobalt	1.23	0.020	mg/l	1.00	0.289	94	75-125	1	20	
Copper	1.73	0.020	mg/l	1.00	0.740	99	75-125	1	20	
Lead	0.988	0.010	mg/l	1.00	ND	99	75-125	2	20	
Molybdenum	0.947	0.040	mg/l	1.00	ND	95	75-125	1	20	
Nickel	1.42	0.020	mg/l	1.00	0.451	97	75-125	1	20	
Selenium	0.957	0.020	mg/l	1.00	ND	96	75-125	1	20	
Silver	0.505	0.020	mg/l	0.500	ND	101	75-125	1	20	
Thallium	1.00	0.020	mg/l	1.00	0.0204	98	75-125	1	20	
Vanadium	0.969	0.020	mg/l	1.00	ND	97	75-125	1	20	
Zinc	1.57	0.040	mg/l	1.00	0.632	93	75-125	1	20	

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 Lena Davidkova
 Project Manager

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Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J20085 Extracted: 10/20/08										
Blank Analyzed: 10/20/2008 (8J20085-BLK1)										
Mercury	ND	0.00020	mg/l							
LCS Analyzed: 10/20/2008 (8J20085-BS1)										
Mercury	0.00743	0.00020	mg/l	0.00800		93	90-115			
Matrix Spike Analyzed: 10/20/2008 (8J20085-MS1)										
Mercury	0.00713	0.00020	mg/l	0.00800	ND	89	75-120			
Matrix Spike Dup Analyzed: 10/20/2008 (8J20085-MSD1)										
Mercury	0.00727	0.00020	mg/l	0.00800	ND	91	75-120	2	20	
Batch: 8J21069 Extracted: 10/21/08										
Blank Analyzed: 10/21/2008 (8J21069-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 10/21/2008 (8J21069-BS1)										
Mercury	0.840	0.020	mg/kg	0.800		105	85-120			
Matrix Spike Analyzed: 10/21/2008 (8J21069-MS1)										
Mercury	2.85	0.040	mg/kg	0.800	1.89	120	65-135			
Matrix Spike Dup Analyzed: 10/21/2008 (8J21069-MSD1)										
Mercury	2.71	0.040	mg/kg	0.800	1.89	102	65-135	5	20	
Batch: 8J22104 Extracted: 10/22/08										
Blank Analyzed: 10/22/2008 (8J22104-BLK1)										
Antimony	ND	10	mg/kg							
Arsenic	ND	2.0	mg/kg							
Barium	ND	1.0	mg/kg							
Beryllium	ND	0.50	mg/kg							
Cadmium	ND	0.50	mg/kg							
Chromium	ND	1.0	mg/kg							
Cobalt	ND	1.0	mg/kg							
Copper	ND	2.0	mg/kg							
Lead	ND	2.0	mg/kg							
Molybdenum	ND	2.0	mg/kg							
Nickel	ND	2.0	mg/kg							
Selenium	ND	2.0	mg/kg							

TestAmerica Irvine

Lena Davidkova
 Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

Diaz Yourman
 1616 East 17th Street
 Santa Ana, CA 92705-8509
 Attention: Gary Gilbert

Project ID: Cherry Ave / 2008-026
 Cherry Ave / 2008-026
 Report Number: IRJ1808

Sampled: 10/14/08
 Received: 10/14/08

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8J22104 Extracted: 10/22/08										
Blank Analyzed: 10/22/2008 (8J22104-BLK1)										
Silver	ND	1.0	mg/kg							
Thallium	ND	10	mg/kg							
Vanadium	ND	1.0	mg/kg							
Zinc	ND	5.0	mg/kg							
LCS Analyzed: 10/22/2008 (8J22104-BS1)										
Antimony	47.9	10	mg/kg	50.0		96	80-120			
Arsenic	48.1	2.0	mg/kg	50.0		96	80-120			
Barium	48.8	1.0	mg/kg	50.0		98	80-120			
Beryllium	47.5	0.50	mg/kg	50.0		95	80-120			
Cadmium	46.7	0.50	mg/kg	50.0		93	80-120			
Chromium	45.9	1.0	mg/kg	50.0		92	80-120			
Cobalt	47.7	1.0	mg/kg	50.0		95	80-120			
Copper	48.4	2.0	mg/kg	50.0		97	80-120			
Lead	47.0	2.0	mg/kg	50.0		94	80-120			
Molybdenum	44.5	2.0	mg/kg	50.0		89	80-120			
Nickel	46.5	2.0	mg/kg	50.0		93	80-120			
Selenium	43.4	2.0	mg/kg	50.0		87	80-120			
Silver	23.5	1.0	mg/kg	25.0		94	80-120			
Thallium	42.0	10	mg/kg	50.0		84	80-120			
Vanadium	49.7	1.0	mg/kg	50.0		99	80-120			
Zinc	46.0	5.0	mg/kg	50.0		92	80-120			
Matrix Spike Analyzed: 10/22/2008 (8J22104-MS1)										
Source: IRJ1808-01										
Antimony	46.2	10	mg/kg	50.0	ND	92	75-125			
Arsenic	52.8	2.0	mg/kg	50.0	ND	106	75-125			
Barium	98.7	1.0	mg/kg	50.0	46.7	104	75-125			
Beryllium	49.1	0.50	mg/kg	50.0	0.245	98	75-125			
Cadmium	46.5	0.50	mg/kg	50.0	ND	93	75-125			
Chromium	60.6	1.0	mg/kg	50.0	0.965	119	75-125			
Cobalt	51.4	1.0	mg/kg	50.0	0.364	102	75-125			
Copper	60.6	2.0	mg/kg	50.0	ND	121	75-125			
Lead	51.2	2.0	mg/kg	50.0	ND	102	75-125			
Molybdenum	44.6	2.0	mg/kg	50.0	ND	89	75-125			
Nickel	54.1	2.0	mg/kg	50.0	0.622	107	75-125			
Selenium	43.4	2.0	mg/kg	50.0	ND	87	75-125			
Silver	23.7	1.0	mg/kg	25.0	ND	95	75-125			

TestAmerica Irvine

Lena Davidkova
 Project Manager

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APPENDIX D
STATISTICAL CALCULATIONS



Analysis for Existing Soils

Project No.	2008-026
Date	11/17/2008
Computed By	CI
Checked By	GKG

Calculations (Total Lead)

Transformed Reverse Transformation

Maximum TTLC 960

Number of samples (n) 28
 Mean 0.193

Standard deviation (s) 0.144
 s^2 (Variance) 0.379

s 49
 $s/(n)^{0.5}$ 0.072

Appropriate number of samples (n_i)

$\Delta = RT\text{-mean}$ 197
 $n_i = t_{10}^2 * s^2 / \Delta^2$ 0

Confidence interval (CI)

CI = mean +/- t₁₀ * s/(n)^{0.5}
 t for 90% 184

Upper CI for 90% 1.703

t for 95% 0.315

Upper CI for 95%

If mean is greater than variance no transformation

If mean is equal to variance use square root transformation

If mean is less than variance use arcsine transformation

* Upper confidence interval is calculated for 90% single-tailed, which is equal to 80% two-tailed

* SWA reports suggests confidence interval for 80%, however confidence interval for 90% single-tailed is appropriate for the subject project

Sample No.	x = Total Lead (mg/kg)	x ²	Total Lead Percent of Maximum	Arcsine Transformation	
				x	x ²
CAB-1 @ 0	0	0	0.000	0.000	0.0000
CAB-1 @ 1	6.1	37.21	0.006	0.006	0.0000
CAB-1 @ 2	6.4	40.96	0.007	0.007	0.0000
CAB-1 @ 5	6.9	47.61	0.007	0.007	0.0001
CAB-2 @ 0	180	32400	0.188	0.189	0.0356
CAB-2 @ 1	7.9	62.41	0.008	0.008	0.0001
CAB-2 @ 2	7.1	50.41	0.007	0.007	0.0001
CAB-2 @ 5	34	1156	0.035	0.035	0.0013
CAB-3 @ 0	960	921600	1.000	1.571	2.4674
CAB-3 @ 1	7.7	59.29	0.008	0.008	0.0001
CAB-3 @ 2	910	828100	0.948	1.247	1.5541
CAB-3 @ 5	47	2209	0.049	0.049	0.0024
CAB-4 @ 0	82	6724	0.085	0.086	0.0073
CAB-4 @ 1	130	16900	0.135	0.136	0.0185
CAB-4 @ 2	21	441	0.022	0.022	0.0005
CAB-4 @ 5	2.9	8.41	0.003	0.003	0.0000
CAB-5 @ 0	180	32400	0.188	0.189	0.0356
CAB-5 @ 1	66	4356	0.069	0.069	0.0047
CAB-5 @ 2	78	6084	0.081	0.081	0.0066
CAB-5 @ 5	68	4624	0.071	0.071	0.0050
CAB-6 @ 0	270	72900	0.281	0.285	0.0813
CAB-6 @ 1	690	476100	0.719	0.802	0.6432
CAB-6 @ 2	110	12100	0.115	0.115	0.0132
CAB-6 @ 5	13	169	0.014	0.014	0.0002
CAB-7 @ 0	120	14400	0.125	0.125	0.0157
CAB-7 @ 1	130	16900	0.135	0.136	0.0185
CAB-7 @ 2	130	16900	0.135	0.136	0.0185
CAB-7 @ 5	7.5	56.25	0.008	0.008	0.0001
0	0	0	0.000	0.000	0.0000
	4271.5	2466825.6		5.410	4.9298

Project No.	2008-026
Date	11/17/2008
Computed By	CI
Checked By	GKG

Analysis for Remaining Soils after Recommended Removals

Calculations (Total Lead)

Transformed Reverse Transformation

Maximum TTLC 130

Number of samples (n) 18
Mean 48 0.483

Standard deviation (s) 0.323
s² (Variance) 0.568
s 11 0.134

Appropriate number of samples (n₁) 302
 $\Delta = RT\text{-mean}$ 0
 $n_1 = t_{10}^2 * s^2 / \Delta^2$

Confidence interval (CI)

CI = mean +/- t₁₀ * s/(n)^{0.5}
t for 90% 60
Upper CI for 90% 1.74
t for 95% 85
Upper CI for 95% 0.716

If mean is greater than variance no transformation
If mean is equal to variance use square root transformation
If mean is less than variance use arcsine transformation

* Upper confidence interval is calculated for 90% single-tailed, which is equal to 80% two-tailed

* SWA reports suggests confidence interval for 80%, however confidence interval for 90% single-tailed is appropriate for the subject project

Sample No.	x = Total Lead (mg/kg)	x ²	Total Lead Percent of Maximum	Arcsine Transformation	
				x	x ²
0	0	0	0.000	0.000	0.0000
CAB-1 @ 1	6.1	37.21	0.047	0.047	0.0022
CAB-1 @ 2	6.4	40.96	0.049	0.049	0.0024
CAB-1 @ 5	6.9	47.61	0.053	0.053	0.0028
0	0	0	0.000	0.000	0.0000
CAB-2 @ 1	7.9	62.41	0.061	0.061	0.0037
CAB-2 @ 2	7.1	50.41	0.055	0.055	0.0030
CAB-2 @ 5	34	1156	0.262	0.265	0.0700
0	0	0	0.000	0.000	0.0000
0	0	0	0.000	0.000	0.0000
0	0	0	0.000	0.000	0.0000
CAB-3 @ 5	47	2209	0.362	0.370	0.1368
0	0	0	0.000	0.000	0.0000
CAB-4 @ 1	130	16900	1.000	1.571	2.4674
CAB-4 @ 2	21	441	0.162	0.162	0.0263
CAB-4 @ 5	2.9	8.41	0.022	0.022	0.0005
0	0	0	0.000	0.000	0.0000
CAB-5 @ 1	66	4356	0.508	0.533	0.2836
CAB-5 @ 2	78	6084	0.600	0.644	0.4141
CAB-5 @ 5	68	4624	0.523	0.550	0.3030
0	0	0	0.000	0.000	0.0000
0	0	0	0.000	0.000	0.0000
CAB-6 @ 2	110	12100	0.846	1.009	1.0175
CAB-6 @ 5	13	169	0.100	0.100	0.0100
0	0	0	0.000	0.000	0.0000
CAB-7 @ 1	130	16900	1.000	1.571	2.4674
CAB-7 @ 2	130	16900	1.000	1.571	2.4674
CAB-7 @ 5	7.5	56.25	0.058	0.058	0.0033
0	0	0	0.000	0.000	0.0000
	871.8	82142.26		8.689	9.6816

DISTRIBUTION

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765 The City Drive, Suite 400
Orange, CA 92868

QUALITY CONTROL REVIEWER

Allen M. Yourman, Jr., P.E., G.E.
Principal

CI/GKG/AMY:cfp



BORING LOCATION: See Figure 2	ELEVATION AND DATUM (feet): 43 MSL
LATITUDE: 33° 48' 51.5" N	LONGITUDE: 118° 10' 8.4" W
DRILLING EQUIPMENT:	DRILLING METHOD: Hand Auger
BORING DIAMETER (inches): 4	BORING DEPTH (feet): 5.5
DATE STARTED: 10/14/08	DATE COMPLETED: 10/14/08
SPT HAMMER DROP: 30 inches WT: 140 lbs	DRIVE HAMMER DROP: inches WT: lbs
LOGGED BY: WKD CHECKED BY: CI	DRIVE SAMPLER DIAMETER (inches) ID: 2.4 OD: 3

Elevation (feet)	Depth (feet)	Sampler	Symbol	Blows per 6 Inches	SPT N	Blows per Foot	Field Unc. Comp. Str. (tsf)	DESCRIPTION	Dry Density (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Percent Passing #200 Sieve	Other Tests [PID]
								SILTY SAND (SM): brown, dry, fine- to medium-grained sand						[0]
								moist						[0]
40														[0]
	5													[0]
								Bottom of boring at 5.5 feet. Groundwater not encountered during drilling. Boring backfilled with bentonite chips to 1 foot bgs, then to surface with cuttings.						[0]
35														
10														
30														

LOG OF BORING CAB-2

Page 1 of 1

Caltrans Cherry Avenue Phase II Investigation

Project No. 2008-026

PLATE

B3



BORING LOCATION: See Figure 2	ELEVATION AND DATUM (feet): 43 MSL
LATITUDE: 33° 48' 51.7" N	LONGITUDE: 118° 10' 9.1" W
DRILLING EQUIPMENT:	DRILLING METHOD: Hand Auger
BORING DIAMETER (inches): 4	BORING DEPTH (feet): 5.5
DATE STARTED: 10/14/08	DATE COMPLETED: 10/14/08
SPT HAMMER DROP: 30 inches WT: 140 lbs	DRIVE HAMMER DROP: inches WT: lbs
LOGGED BY: WKD CHECKED BY: CI	DRIVE SAMPLER DIAMETER (inches) ID: 2.4 OD: 3

Elevation (feet)	Depth (feet)	Sampler	Symbol	Blows per 6 Inches	SPT N	Blows per Foot	Field Unc. Comp. Str. (tsf)	DESCRIPTION	Dry Density (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Percent Passing #200 Sieve	Other Tests [PID]
								SILTY SAND (SM): brown, dry, fine- to medium-grained sand						[0]
								moist						[0]
40														[0]
	5													[0]
								Bottom of boring at 5.5 feet. Groundwater not encountered during drilling. Boring backfilled with bentonite chips to 1 foot bgs, then to surface with cuttings.						[0]
35														
10														
30														

LOG OF BORING CAB-3

Page 1 of 1
 Caltrans Cherry Avenue Phase II Investigation
 Project No. 2008-026

**PLATE
 B4**



BORING LOCATION:	See Figure 2	ELEVATION AND DATUM (feet):	43 MSL
LATITUDE:	33° 48' 51.6" N	LONGITUDE:	118° 10' 10.6" W
DRILLING EQUIPMENT:		DRILLING METHOD:	Hand Auger
BORING DIAMETER (inches):	4	BORING DEPTH (feet):	5.5
DATE STARTED:	10/14/08	DATE COMPLETED:	10/14/08
SPT HAMMER DROP: 30 inches	WT: 140 lbs	DRIVE HAMMER DROP: inches	WT: lbs
LOGGED BY: WKD	CHECKED BY: CI	DRIVE SAMPLER DIAMETER (inches)	ID: 2.4 OD: 3

Elevation (feet)	Depth (feet)	Sampler	Symbol	Blows per 6 inches	SPT N Blows per Foot	Field Unc. Comp. Str. (tsf)	DESCRIPTION	Dry Density (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Percent Passing #200 Sieve	Other Tests [PID]
							SILTY SAND (SM): brown, dry, fine- to medium-grained sand						[0]
							moist						[0]
40													[0]
	5												[0]
							Bottom of boring at 5.5 feet. Groundwater not encountered during drilling. Boring backfilled with bentonite chips to 1 foot bgs, then to surface with cuttings.						[0]
35													
10													
30													

LOG OF BORING CAB-4

Page 1 of 1
 Caltrans Cherry Avenue Phase II Investigation
 Project No. 2008-026

**PLATE
 B5**



BORING LOCATION: See Figure 2	ELEVATION AND DATUM (feet): 46 MSL
LATITUDE: 33° 48' 51.9" N	LONGITUDE: 118° 10' 11.7" W
DRILLING EQUIPMENT:	DRILLING METHOD: Hand Auger
BORING DIAMETER (inches): 4	BORING DEPTH (feet): 5.5
DATE STARTED: 10/14/08	DATE COMPLETED: 10/14/08
SPT HAMMER DROP: 30 inches WT: 140 lbs	DRIVE HAMMER DROP: inches WT: lbs
LOGGED BY: WKD CHECKED BY: CI	DRIVE SAMPLER DIAMETER (inches) ID: 2.4 OD: 3

Elevation (feet)	Depth (feet)	Sampler	Symbol	Blows per 6 inches	SPT N	Blows per Foot	Field Unc. Comp. Str. (tsf)	DESCRIPTION	Dry Density (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Percent Passing #200 Sieve	Other Tests [PID]
45								POORLY GRADED SAND with SILT (SP-SM): brown, dry, fine-grained sand moist						[0]
								SILTY CLAY (CL-ML): brown, moist						[0]
5								Bottom of boring at 5.5 feet. Groundwater not encountered during drilling. Boring backfilled with bentonite chips to 1 foot bgs, then to surface with cuttings.						[0]
40														
10														
35														

LOG OF BORING CAB-5

Page 1 of 1

Caltrans Cherry Avenue Phase II Investigation

Project No. 2008-026

PLATE

B6



BORING LOCATION: See Figure 2	ELEVATION AND DATUM (feet): 46 MSL
LATITUDE: 33° 48' 52.1" N	LONGITUDE: 118° 10' 13.1" W
DRILLING EQUIPMENT:	DRILLING METHOD: Hand Auger
BORING DIAMETER (inches): 4	BORING DEPTH (feet): 5.5
DATE STARTED: 10/14/08	DATE COMPLETED: 10/14/08
SPT HAMMER DROP: 30 inches WT: 140 lbs	DRIVE HAMMER DROP: inches WT: lbs
LOGGED BY: WKD CHECKED BY: CI	DRIVE SAMPLER DIAMETER (inches) ID: 2.4 OD: 3

Elevation (feet)	Depth (feet)	Sampler	Symbol	Blows per 6 inches	SPT N	Blows per Foot	Field Unc. Comp. Str. (tsf)	DESCRIPTION	Dry Density (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Percent Passing #200 Sieve	Other Tests [PID]
45								ASPHALT CONCRETE (AC) SILTY SAND (SM): brown, moist, fine-grained sand						[0]
														[0]
														[0]
5														[12]
40								Bottom of boring at 5.5 feet. Groundwater not encountered during drilling. Boring backfilled with bentonite chips to 1 foot bgs, then to surface with cuttings.						
10														
35														

LOG OF BORING CAB-6

Page 1 of 1

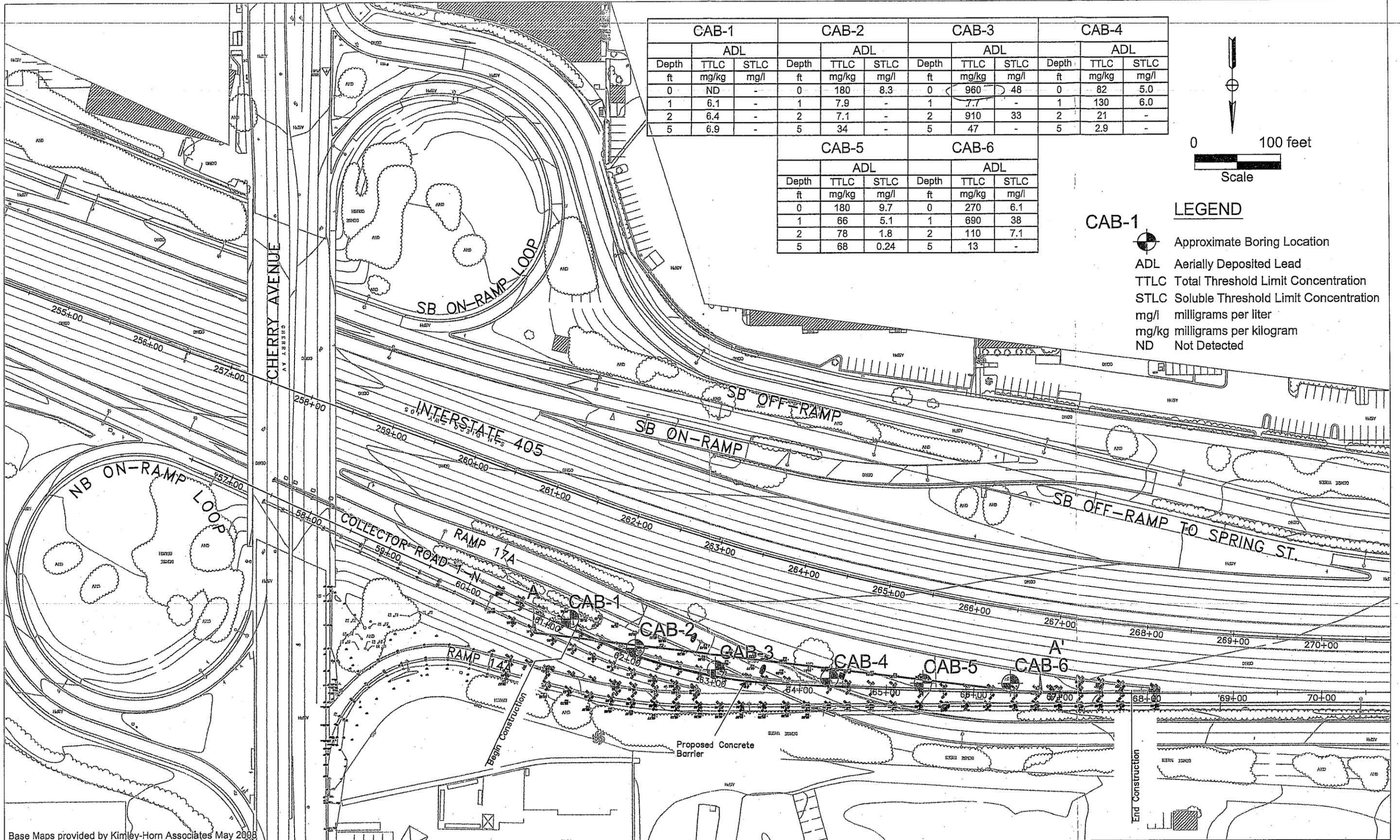
Caltrans Cherry Avenue Phase II Investigation

Project No. 2008-026

PLATE

B7





Base Maps provided by Kimley-Horn Associates May 2008

Figure 2 - SITE PLAN

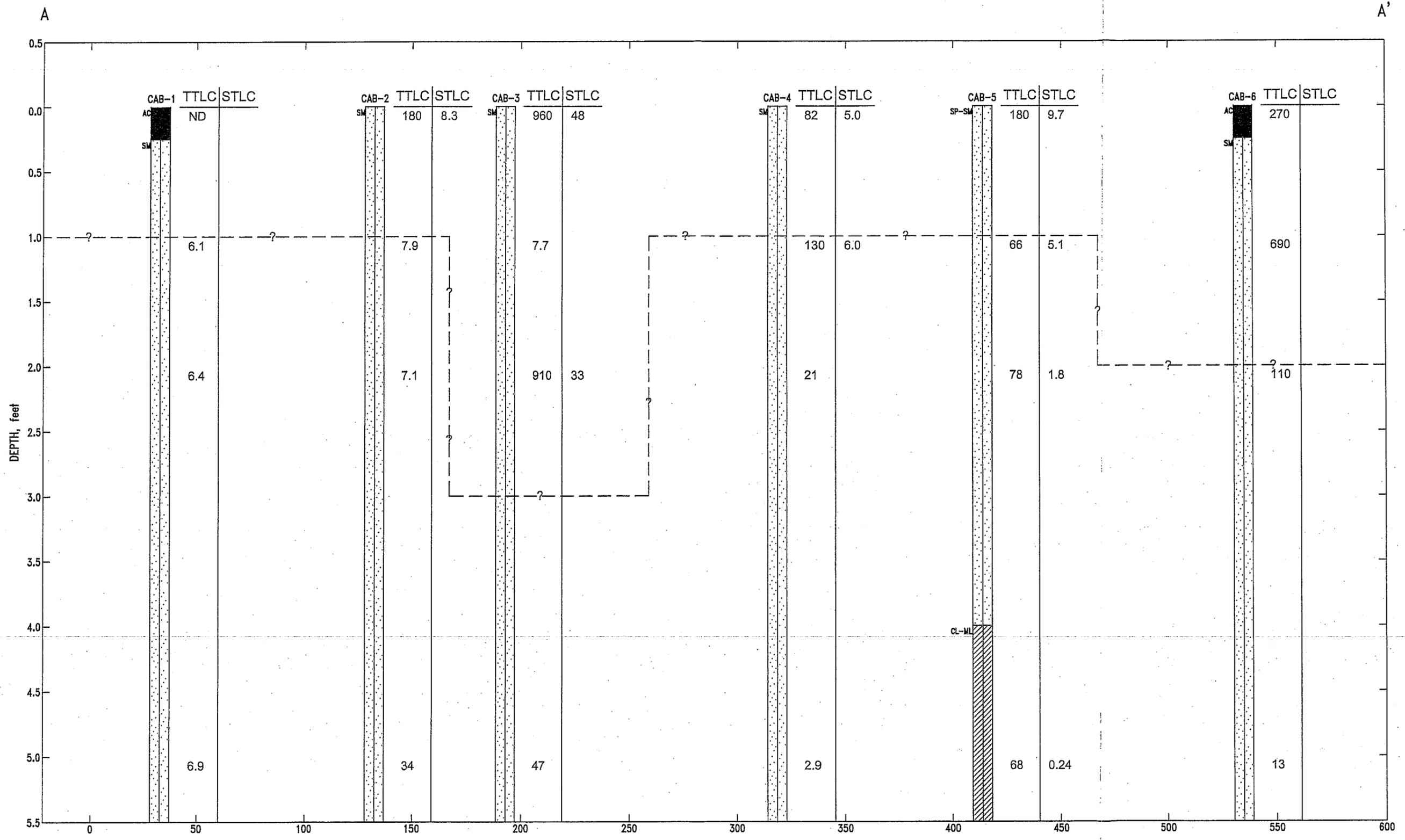
Table 2 - METALS LABORATORY TEST RESULTS

	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn	
TTLIC (mg/kg)	500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000	
CHHSL (mg/kg)	380	0.24	63,000	1,700	7.5	100,000	3,200	38,000	3,500	180	4,800	16,000	4,800	4,800	63	6,700	100,000	
Background Range ¹ (mg/kg)	0.15 to 1.95	0.6 to 11	133 to 1400	0.25 to 2.7	0.05 to 1.7	23 to 1579	2.7 to 46.9	9.1 to 96.4	14.3 to 107.9	0.1 to 0.9	0.1 to 9.6	13 to 1210	0.015 to 0.43	0.1 to 8.3	0.17 to 1.1	39 to 288	88 to 236	
Reporting Limits ² (mg/kg)	3	5	1	1	2	2	2	1	3	0.1	1	2	5	2	2	5	1	
SAMPLE ID.	DEPTH (feet)	RESULTS																
CAB-1	0	ND	ND	47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CAB -3	0	ND	6.2	130	ND	0.63	28	6.7	41	960	0.080	3.1	30	ND	ND	ND	28	330
CAB -5	0	ND	3.4	64	ND	ND	17	4.6	54	180	0.021	3.6	17	ND	ND	ND	16	110

Notes:

1. Background Range - Kearny (1996)
2. Effective detection limits
 - Samples with concentrations greater than background levels are in bold face type
 - TTLIC = Title 22 total threshold limit concentration
 - CHHSL = California Human Health Screening Levels - Commercial/Industrial Land Use (California EPA, 2005)
 - mg/kg = milligrams per kilogram
 - Sb = Antimony
 - As = Arsenic
 - Ba = Barium
 - Be = Beryllium
 - Cd = Cadmium
 - Cr = Chromium (III)
 - Co = Cobalt
 - Cu = Copper
 - Pb = Lead
 - Hg = Mercury
 - Mo = Molybdenum
 - Ni = Nickel
 - Se = Selenium
 - Ag = Silver
 - Tl = Thallium
 - V = Vanadium
 - Zn = Zinc





NOTES: See Plate B1 for material graphics description.
 Symbol to left of graphic column is based on ASTM D2487 and D2488.
 TTLC Total Threshold Limit Concentration, milligrams per kilogram
 STLC Soluble Threshold Limit Concentration, milligrams per liter
 - ? - Approximate Depth of Recommended Hazardous Waste Removal

Figure 3 - CROSS SECTION A

FOR CONTRACT NO.: 07-1W3204

INFORMATION HANDOUT

MATERIALS INFORMATION

FIBER OPTIC SYSTEM AS-BUILT DRAWINGS

ROUTE: 07-LA-405-PM 6.0/6.5



PAT SULLIVAN

CALCULATED/DESIGNED BY: DP
 CHECKED BY: CF

DATE: 7/94
 DATE REVISED:

PROJECT NOTES: FOR SHEETS E-2 TO E-201

- 1 TRENCH AND INSTALL CONDUIT IN ASPHALT.
- 2 TRENCH AND INSTALL CONDUIT IN CONCRETE.
- 3 TRENCH AND INSTALL CONDUIT IN SOIL.
- 4 ATTACH CONDUIT TO STRUCTURE. SEE SHEET C-8 THROUGH C-10 FOR BRIDGE ATTACHMENT TYPE AND DETAILS.
- 5 JACK RIGID STEEL CONDUIT BENEATH ROADWAY.
- 6 COIL 30 FEET OF 6P22 TWISTED PAIR CABLE IN PULL BOX FOR TRAFFIC SIGNAL CONTROLLER CONNECTION.
- 7 COIL 30 FEET OF 6P22 TWISTED PAIR CABLE IN PULL BOX FOR TRAFFIC SIGNAL CONTROLLER CONNECTION.
- 8 CONNECT 6P22 TWISTED PAIR CABLE TO CONTROLLER. USE EXISTING CONDUIT FROM PULL BOX INTO CABINET.
- 9 COIL 30 FEET OF 6P22 TWISTED PAIR CABLE IN PULL BOX FOR FUTURE TMS CONTROLLER CONNECTION.
- 10 TRENCH CONDUIT IN SOIL BENEATH OVERPASS WITHIN CALTRANS RIGHT-OF-WAY.

ABBREVIATIONS: (NOT LISTED IN CALTRANS STANDARD PLANS)

- B/O - BREAK OUT
- CCTV - CLOSED CIRCUIT TELEVISION
- COMM - COMMUNICATION
- DACCS - DIGITAL CROSS CONNECTION SWITCH
- DEMARC - DEMARCATION
- DEMUX - DEMULTIPLEX
- DWP - LA DEPARTMENT OF WATER AND POWER
- E/O - ELECTRIC TO OPTIC
- GTE - GENERAL TELEPHONE AND ELECTRIC
- HAR - HIGHWAY ADVISORY RADIO
- JKFD - JACKFIELD
- MUX - MULTIPLEX
- OW - ORDER WIRE (MULTIPLE VOICE CIRCUIT)
- O/E - OPTICAL TO ELECTRIC
- PAC BELL - PACIFIC BELL TELEPHONE COMPANY
- PT&T - PACIFIC TELEPHONE AND TELEGRAPH
- RX - RECEIVER
- SCC - SOUTHERN CALIFORNIA EDISON
- SCGS - SOUTHERN CALIFORNIA GAS COMPANY
- SCWC - SOUTHERN CALIFORNIA WATER COMPANY
- SD - SAN DIEGO
- SM - SINGLEMODE
- SMFO - SINGLEMODE FIBER OPTIC
- TMS - TRAFFIC MONITORING STATION
- TX - TRANSMITTER
- WVK - VIDEO MULTIPLEXER

GENERAL NOTES:

1. BEFORE REMOVING OR MODIFYING ANY EXISTING ELECTRICAL FACILITIES, THE CONTRACTOR SHALL GIVE 72 HOURS ADVANCE NOTICE IN WRITING TO THE ENGINEER.
2. SERVICE EQUIPMENT ENCLOSURE SHALL BE LOCATED 10' MINIMUM FROM THE POWER POLE OR VAULT.
3. ELECTRICAL SERVICE INSTALLATION SHALL MEET THE UTILITY COMPANY REQUIREMENTS SERVING IN THE LOCAL JURISDICTION.
4. CONDUCTORS FROM POWER POLE (OR VAULT) TO SERVICE ENCLOSURE WILL BE INSTALLED BY UTILITY COMPANY.
5. TRENCH FOR CONDUIT INSTALLATION BETWEEN POWER POLE (OR VAULT) AND SERVICE ENCLOSURE SHALL BE LEFT OPEN FOR INSPECTION AND APPROVAL BY CONCERNED UTILITY COMPANY INSPECTOR BEFORE BACKFILL.
6. STENCIL CAMERA IDENTIFICATION NUMBER ON POLE IN 3" CHARACTERS 10 FEET ABOVE BASE. SEE SHEETS K-1 AND K-2.

LEGEND (SHEET E-2 TO E-44)

- CCTV CAMERA AND POLE
- EXISTING CCTV CAMERA
- CCTV CAMERA POLE LOCATION
- COMMUNICATION PULL BOX
- SPLICE VAULT
- EXISTING SPLICE VAULT
- EXISTING CONTROLLER TO BE TIED TO COMMUNICATION SYSTEM
- TYPE 334 - TV CABINET
- POWER POLE NUMBER
- XX TWISTED PAIR TELEPHONE CABLE
- XXP22 SEE SHEETS E-79 THROUGH E-86 FOR TWISTED PAIR ASSIGNMENT TABLES
- SDXXX CCTV IDENTIFICATION NUMBER:
 (SD = SAN DIEGO FREEMWAY)
 (HA = HARBOR FREEMWAY)
 (XXX = POST MILE DESIGNATOR TO ONE DECIMAL PLACE)
- EXISTING TELEPHONE BRIDGE
- TELEPHONE BRIDGE

TABLE 1 - CCTV WIRING

CONDUCTOR TYPE	FUNCTION	QUANTITY
RS-6 AZUL	CAMERA VIDEO INTERFACE CABLE	1
9P18 CABLE	PAV/TTT CONTROL CABLE	1
12P18 CABLE	LENS CONTROL CABLE	1

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED ELECTRICAL ENGINEER
 KENNETH D. CAMP
 No. E0129172
 Exp. 3/31/97
 STATE OF CALIFORNIA

DIST	COUNTY	ROUTE	POST MILE PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
07	LA	5,110,405	Var	58	164
REGISTERED ELECTRICAL ENGINEER Kenneth D. Camp 7/29/94 12-16-96 PLANS APPROVAL DATE DKS ASSOCIATES 1055 WEST SEVENTH ST., SUITE 2850 LOS ANGELES, CA 90017 IN ASSOCIATION WITH: KOG ARCHITECTS, ENGINEERS AND SCIENTISTS, SUITE 2890 LOS ANGELES, CA 90017					

AS-BUILT
 Contract No. 07-120824
 Resident Engineer: *Paul K. ...*
 Completion Date: 06/29/2000

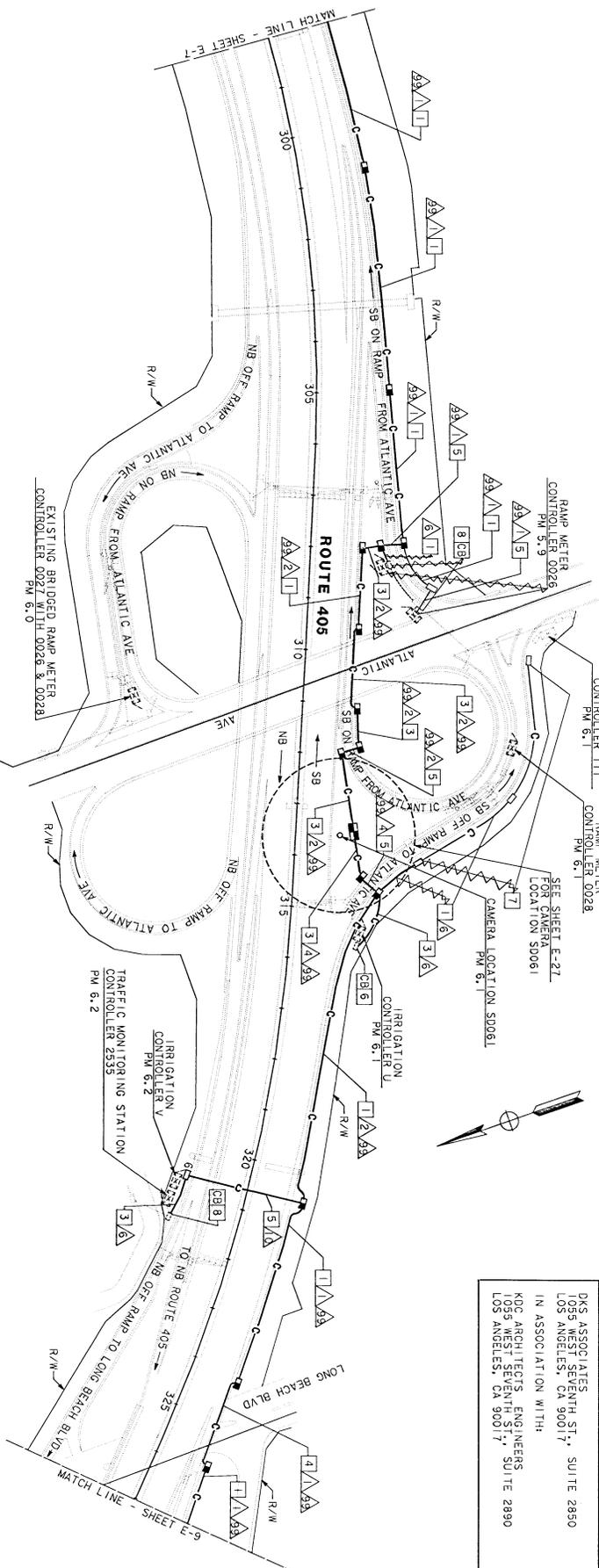
**CCTV AND COMMUNICATION SYSTEM
 (LEGEND AND NOTES)**

E-1



PROJECT ENGINEER	CALCULATED/DESIGNED BY	DATE	REVISOR	DATE
PAT SULLIVAN	DP	7/94		
	CHECKED BY	RL	DATE REVISED	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans



CONDUCTOR TYPE	FUNCTION	CONDUCTOR SCHEDULE
75922 CABLE	COMMUNICATION DATA	1
6P22 CABLE	CONTROLLER DATA	1
725MFO	DATA/VIDEO NODE TO HUB	3
725MFO	CCTV CAMERA TO VIDEO DISTRIBUTION	1
	INNERDUCT	4"
	CONDUIT SIZE	4"

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL ONLY.
 SEE SHEET E-1 FOR LEGEND AND PROJECT NOTES.

FOR REVISIONS, PLEASE ORIGINAL
 SCALE: 1" = 100'

USERNAME -> HUNTON
 DSN FILE -> 713020209.1.35446

CU 07396 EA 120821

E-8

CCTV AND COMMUNICATION SYSTEM ROUTING

SCALE: 1" = 100'

AS-BUILT
 Contract No. 07-120824
 Resident Engineer: NGUYEN, L.
 Completion Date: 06/20/2000

REGISTERED PROFESSIONAL ENGINEER
KENNETH D. CAMP
 No. 50281T
 Exp. 12/31/21

PLANS APPROVAL DATE: 12-16-98

REGISTERED ELECTRICAL ENGINEER
David D. Quincey 7/8/94
 No. 50281T
 Exp. 12/31/21

DKS ASSOCIATES
 1095 WEST SEVENTH ST., SUITE 2850
 LOS ANGELES, CA 90017
 IN ASSOCIATION WITH:
 KOC ARCHITECTS, ENGINEERS
 LOS ANGELES, CA 90017, SUITE 2890

