

3/6/06

Hi Donna

Here's a copy of the report re:  
former Percina / Metro Valley Cleaners

please check it out

I may have missed some valuable details  
in my email summary

PS I noted there's no working logs - referenced  
in the report included. Pearl S.

PS  
IR# 471



2006 MAR 13 AM 9:58  
**RECEIVED**  
FEB 28 2006  
**FIRE PREVENTION**

2/21/06

Paul,

Pages 788 really show  
results & conclusions. Let me  
know if you have any questions.

THANKS,

Larry Hancock

Alameda County  
MAR 14 2006  
Environmental Health

**SUBSURFACE INVESTIGATION FOR PHAE II SITE ASSESSMENT**

**PROJECT JMK SII- 19554**

**224 Rickenbacker Circle  
Livermore, CA 94554**

**PREPARED FOR:**

**Mr. Richard L. Dalton  
GE Commercial Finance  
645 Maryville Centre Dr. Ste 120  
St. Louis, MO 63141**

**October 28<sup>th</sup>, 2005**



**JMK Environmental Solutions, Inc.  
1030 N. Maclay Avenue  
San Fernando, CA 91340  
Tel: 818-979-0010  
Fax: 818-979-0020  
[www.jmkenv.com](http://www.jmkenv.com)**

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FEB 28 2006  
FIRE PREVENTION**

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THIS REPORT IS FOR THE SOLE USE OF THE CLIENT, AND ITS CONTENTS ARE CONSIDERED PRIVILEGED AND CONFIDENTIAL. ACCEPTANCE OF THIS REPORT CONSTITUTES AN AGREEMENT BY THE CLIENT TO ASSUME FULL LIABILITY FOR INFORMATION CONTAINED HERIN. THIS REPORT IS FOR THE SOLE USE AND INTERPRETATION OF THE CLIENT, AND IT IS NOT TO BE REPRODUCED OR DISTRIBUTED TO OUTSIDE PARTIES. THE INFORMATION IN THIS REPORT IS FURNISHED IN GOOD FAITH AND WAS OBTAINED FROM SOURCES AND DATABASES CONSIDERED RELIABLE. HOWEVER, THE ACCURACY OF THE INFORMATION CANNOT BE GUARANTEED. OUR LIABILITY IS LIMITED TO THE FEE CHARGED.

## 1.0 INTRODUCTION

This report documents JMK Environmental Solutions, Inc. (JMK's) Phase II subsurface investigation of a property at 224 Rickenbacker Circle, Livermore, CA 94550 (the Site). The location of the Site is shown on Figure 1.

### 1.1 Objective

The objective of our investigation was to determine if there was any potential impact to the Site from the former dry cleaning operations at the subject property. Vertical contamination will be assessed down to 5-35' below ground surface.

### 1.2 Scope of Work

To accomplish this objective, JMK performed the following tasks:

- Pre-marked boring locations and notified the facility owner of the proposed work schedule;
- Advanced three (3) soil borings (S1 through S3), respectively near the former dry cleaning machine area to target depths of 35 feet below ground surface. Collected soil samples at each boring for analysis. No groundwater encountered.
- Submitted collected soil samples from borings S1 through S3 for laboratory chemical analysis of HVOC by EPA Method 8260B.
- Evaluated the data and prepared this report.

Mr. Richard Dalton, GE Commercial Finance, authorized our services. All soil sampling and the written report were prepared under the direct supervision of and signed by State of California Registered Site Assessor, Mr. Joseph Park and Registered Geologist Dr. Robin Chang. Site photographs and boring logs are presented in Appendix A and B. Laboratory Data Sheets and Chain-of-Custody documentation are presented in Appendix C and D.

## **2.0 SITE DESCRIPTION AND ENVIRONMENTAL SETTING**

### **2.1 Site Description & Background**

Phase II Subsurface Assessment was recommended based on the previous history of dry cleaning operation at the subject site. JMK recommended Phase II due to the Recognized Environmental Conditions (Halogenated Volatile Organic Compounds).

### **2.2 Hydro-geological Information**

The project site is located within the Livermore Valley. Steep rounded hillsides border the valley on the east and west. Specific groundwater information is not available. However, groundwater in the general area is at a depth of approximately 20 to 25 feet below ground surface.

## **3.0 FIELD INVESTIGATION**

On October 25<sup>th</sup>, 2005, three (3) borings S1 through S3 were advanced utilizing Regular Access Geoprobe drilling machine at following respective locations:

- S1 - next to dry cleaning machine (Inside the building).
- S2 - right behind the dry cleaning machine (Outside behind the wall).
- S3 - Northwest corner of the parking lot.

### **3.1 Methodology**

#### **Geoprobe Drilling**

Prior to advancing the borings, the Site representative was notified of the work schedule. Borings were advanced using a Geoprobe drilling machine operated by Interphase of Los Angeles, CA.

Undisturbed soil samples were collected at the total depth of each boring. At each boring location, a closed sampler was advanced to the desired sampling interval, the drive tip was retracted into the sampling barrel, and the open sampler was then advanced to a depth of 35 feet. The sampling string was then removed to recover the driven sample. Soil samples were collected in 1.0-inch diameter by 6-inch long lexan sleeves or stainless steel tubes.

Immediately following retrieval of the push probe sampler, the lowermost or least disturbed interval or sample tube was lined with teflon, capped, labeled, sealed with Parafilm, placed into a ziploc bag, and placed into an ice-chilled cooler. Each sample was labeled with the appropriate boring number, depth, and date of collection. Sample date is recorded on chain-of-custody documentation presented in Appendix C of this report. Soils were logged in accordance with the United Soil Classification System (USCS). A State of California Registered Site Assessor performed all logging under direction of a State of California Registered Geologist.

Following termination of each boring, the drive pipe was removed, and the boring was backfilled with hydrated granular bentonite. Since Geoprobe drilling machine was used for the boring drilling and soil sampling, no soil cuttings were generated or required being containerized.

All down-hole soil sampling equipment was decontaminated prior to and following use by washing in a Liquinox solution, followed by tap and de-ionized water rinses. Investigatively derived wastes were not generated during this investigation.



### 3.2 Laboratory Analysis

Soil samples were delivered to Entech Analytical Laboratories, Santa Clara, California for chemical analysis. EAL is a State of California Certified laboratory. The person collecting the soil samples initiated Chain-of-Custody documentation. The samples were delivered to EAL on the same day collected and transferred using chain-of-custody protocol. Twelve (12) soil samples were analyzed by:

- EPA Method 8260B for HVOC.

Laboratory Data Sheets and Chain-of-Custody documentation are presented in Appendix C and D.

## 4.0 RESULTS AND CONCLUSIONS

### 4.1 Results

The results of JMK's subsurface investigation are summarized as follows:

- Older alluvial materials consisting mainly of brown heavy silty clay from ground surface to an approximate depth of 35 feet below grade, the maximum depth explored.
- Groundwater was not encountered at the depth of approximately 35.0 feet, the maximum depth drilled during this investigation.
- Trace (low level) of Halogenated Volatile Organic Compound (Tetrachloroethene) was observed in soil (PID readings) samples collected from Borings S1 through S3.

	5'	10'	15'	25'	35'
S1	230	32	31	57	29
S2	450	59	36	48	23
S3	N/A	N/A	N/A	ND	ND
Limitation: <b>3,400 ppb for industrial settings</b> by EPA region 9 Preliminary Remediation Goal (PRG) limit.					
N/A: Not Applicable,					
ND: Non-Detected.					

In summary, even if trace levels of HVOCs were identified from this analysis, the Halogenated Volatile Organic Compounds (HVOC) in analyzed twelve soil samples were below the stated Preliminary Remediation Goal (PRG) limitations by region 9 Environmental Protection Agency Department of Toxic Substance Control (EPA DTSC).

## 4.2 Conclusions and Recommendations

Based upon the results of this investigation, JMK concludes that the trace of Halogenated Volatile Organic Compound (Tetrachloroethene) was detected in the previous S1 & S2 locations down to 35' below ground surface only. However, only low trace levels at 5' through 35', which may have resulted due to the soil type as heavy clay. Based on this distribution, and our field observation, it is likely that the vicinity of Boring S1 & S2 at or near 5' depth corresponds to the previously affected location. None detected from S3 location.

The former release is of a limited lateral extent in the soil. It is apparent that the currently detectable Tetrachloroethene in soil is below the level to use any type of remediation to take place (ex. Vapor Extraction Method). Because there is no potential threat to further degrading soil and/or groundwater qualities resulting from the existing facility and the limited area of concern, given more time, it is likely that the existing detectable Tetrachloroethene will continue to degrade through natural attenuation.

JMK does not expect any remediation or cleanup activity will occur due to low contamination levels & limited settings. Since remediation does not seem feasible or warranted, and soil does not appear to be at risk of further degradation, **JMK does not recommend any further action.**

## **5.0 LIMITATIONS**

The opinion expressed herein is based on the information collected during our study, our present understanding of the site conditions and our professional judgment in light of such information at the time of preparation of this report. No warranty is either expressed, implied or made as to the conclusions, advice and recommendations offered in this report.

Our investigation was performed using the degree of care and skill ordinarily exercised, under similar circumstances, by reputable Engineers and Geologists practicing in this or similar localities. The samples taken and used for testing and the observations made are believed representative of the study area; however, soil and/or groundwater samples can vary significantly between borings, test pits, and/or test sample locations.

The interpretations and conclusions contained in this report are based on the results of laboratory tests and analysis intended to detect the presence and concentration of certain chemical constituents in samples taken from the subject property. Such testing and analysis have been conducted by an independent laboratory which is certified by the State of California to conduct such test analyses and which used methodologies mandated by the Environmental Protection Agency or the State Department of Health Services in the performance of such test and analyses. The consultant has no involvement in, or control over, such testing and analysis, and has no non-laboratory means of confirming the accuracy of such laboratory results. The consultant, therefore, disclaims any responsibility for any inaccuracy in such laboratory results.

The findings, conclusions and recommendations in this report are considered valid as of the present date. However, changes in the conditions of the property can occur with the passage of time, due to natural process or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur. Accordingly, portions of this report may be invalidated wholly or partially by the changes beyond our control.

**APPENDICES**

**APPENDIX A**

**FIGURE 1**

**SITE LOCATION MAP**

**APPENDIX A**

**FIGURE 2**

**SITE PLOT PLAN SHOWING BORING LOCATIONS**

**APPENDIX A**

**FIGURE 3**

**SITE PHOTOS**



**APPENDIX B**  
**BORING LOGS**

**APPENDIX C**

**CHAIN-OF-CUSTODY RECORDS OF SOIL SAMPLES**

**APPENDIX D**

**LABORATORY ANALYTICAL REPORT OF SOIL SAMPLES**

# Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Joseph Park  
JMK Environmental-San Fernando  
1030 N. Maclay Avenue  
San Fernando, CA 91340

Certificate Number: 45961  
Issued: 10/28/2005

Project ID: 19554-SII  
Project Name: 224 Rickenbacker Circle

Order / Lab Number: 45961

## Certificate of Analysis - Final Report

On October 26, 2005, samples were received under chain of custody for analysis.  
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test</u>	<u>Comments</u>
Solid	EPA 8260B	

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).  
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



Erin Cunniffe  
Laboratory Operations Manager

# Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

JMK Environmental-San Fernando  
1030 N. Maclay Avenue  
San Fernando, CA 91340  
Attn: Joseph Park

Date Received: 10/26/2005 9:15:09 AM  
Project ID: 19554-SII

Project Name: 224 Rickenbacker Circle

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 45961-001

Sample ID: S1-5'

Matrix: Solid

Sample Date: 10/25/2005

EPA 8260B Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	EPA 8260B QC Batch
1,1,1-Trichloroethane	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,1,2,2-Tetrachloroethane	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2-Trichloroethane	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethane	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethene	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichlorobenzene	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloroethane	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloropropane	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,3-Dichlorobenzene	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,4-Dichlorobenzene	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
2-Chloroethyl-vinyl Ether	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromodichloromethane	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromoform	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromomethane	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Carbon Tetrachloride	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chlorobenzene	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroethane	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroform	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloromethane	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
cis-1,3-Dichloropropene	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dibromochloromethane	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dichlorodifluoromethane	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Methylene Chloride	ND		2.5	62	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Tetrachloroethene	230		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,2-Dichloroethene	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,3-Dichloropropene	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichloroethene	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichlorofluoromethane	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Vinyl Chloride	ND		2.5	12	µg/Kg	N/A	N/A	10/27/2005	SM3051027

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	80.8	70 - 125
Dibromofluoromethane	72.1	70 - 125
Toluene-d8	74.0	70 - 125

Analyzed by: MFelix

Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

10/28/2005 3:55:15 PM - ECunniffe

# Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

JMK Environmental-San Fernando  
1030 N. Maclay Avenue  
San Fernando, CA 91340  
Attn: Joseph Park

Date Received: 10/26/2005 9:15:09 AM  
Project ID: 19554-SII

Project Name: 224 Rickenbacker Circle

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 45961-002

Sample ID: S1-10'

Matrix: Solid

Sample Date: 10/25/2005

EPA 8260B	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	EPA 8260B QC Batch
Parameter									
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Methylene Chloride	ND		1.0	25	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Tetrachloroethene	32		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	84.2	70 - 125
Dibromofluoromethane	70.6	70 - 125
Toluene-d8	75.5	70 - 125

Analyzed by: MFelix

Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

10/28/2005 3:55:15 PM - ECUmiff

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Phone: (408) 588-0200

Fax: (408) 588-0201

JMK Environmental-San Fernando  
1030 N. Maclay Avenue  
San Fernando, CA 91340  
Attn: Joseph Park

Date Received: 10/26/2005 9:15:09 AM  
Project ID: 19554-SII

Project Name: 224 Rickenbacker Circle

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 45961-003

Sample ID: S1-15'

Matrix: Solid

Sample Date: 10/25/2005

EPA 8260B									EPA 8260B
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Methylene Chloride	ND		1.0	25	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Tetrachloroethene	31		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051026

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	79.1	70 - 125
Dibromofluoromethane	71.9	70 - 125
Toluene-d8	70.7	70 - 125

Analyzed by: Mfelix

Reviewed by: MaChiTu

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

10/28/2005 3:55:15 PM - ECuneiff

# Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

JMK Environmental-San Fernando  
1030 N. Maclay Avenue  
San Fernando, CA 91340  
Attn: Joseph Park

Date Received: 10/26/2005 9:15:09 AM  
Project ID: 19554-SII

Project Name: 224 Rickenbacker Circle

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 45961-004

Sample ID: S1-25'

Matrix: Solid

Sample Date: 10/25/2005

EPA 8260B Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	EPA 8260B QC Batch
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Methylene Chloride	ND		1.0	25	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Tetrachloroethene	57		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	81.0	70 - 125
Dibromofluoromethane	72.1	70 - 125
Toluene-d8	75.2	70 - 125

Analyzed by: MPeliox

Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

10/28/2005 3:55:15 PM - BCunniff6



# Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

JMK Environmental-San Fernando  
1030 N. Maclay Avenue  
San Fernando, CA 91340  
Attn: Joseph Park

Date Received: 10/26/2005 9:15:09 AM  
Project ID: 19554-SII

Project Name: 224 Rickenbacker Circle

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 45961-005

Sample ID: S1-35'

Matrix: Solid

Sample Date: 10/25/2005

EPA 8260B Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	EPA 8260B QC Batch
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Methylene Chloride	ND		1.0	25	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Tetrachloroethene	29		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	81.5	70 - 125
Dibromofluoromethane	70.5	70 - 125
Toluene-d8	71.3	70 - 125

Analyzed by: MFelix

Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

10/28/2005 3:55:15 PM - BCunniff

# Entech Analytical Labs, Inc.

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Phone: (408) 588-0200

Fax: (408) 588-0201

JMK Environmental-San Fernando  
1030 N. Maclay Avenue  
San Fernando, CA 91340  
Attn: Joseph Park

Date Received: 10/26/2005 9:15:09 AM  
Project ID: 19554-SII

Project Name: 224 Rickenbacker Circle

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 45961-006

Sample ID: S2-5'

Matrix: Solid

Sample Date: 10/25/2005

EPA 8260B Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	EPA 8260B QC Batch
1,1,1-Trichloroethane	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,1,2,2-Tetrachloroethane	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,1,2-Trichloroethane	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,1-Dichloroethane	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,1-Dichloroethene	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,2-Dichlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,2-Dichloroethane	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,2-Dichloropropane	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,3-Dichlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,4-Dichlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
2-Chloroethyl-vinyl Ether	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Bromodichloromethane	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Bromoform	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Bromomethane	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Carbon Tetrachloride	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Chlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Chloroethane	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Chloroform	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Chloromethane	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
cis-1,3-Dichloropropene	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Dibromochloromethane	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Dichlorodifluoromethane	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Methylene Chloride	ND		5.0	120	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Tetrachloroethene	450		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
trans-1,2-Dichloroethene	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
trans-1,3-Dichloropropene	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Trichloroethene	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Trichlorofluoromethane	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Vinyl Chloride	ND		5.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	83.0	70 - 125
Dibromofluoromethane	74.1	70 - 125
Toluene-d8	75.7	70 - 125

Analyzed by: MTu  
Reviewed by: xbian

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

10/28/2005 3:55:15 PM - ECunniffe

# Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

JMK Environmental-San Fernando  
1030 N. Maclay Avenue  
San Fernando, CA 91340  
Attn: Joseph Park

Date Received: 10/26/2005 9:15:09 AM  
Project ID: 19554-SII

Project Name: 224 Rickenbacker Circle

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 45961-007

Sample ID: S2-10'

Matrix: Solid

Sample Date: 10/25/2005

EPA 8260B									EPA 8260B
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Methylene Chloride	ND		1.0	25	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Tetrachloroethene	59		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	81.2	70 - 125
Dibromofluoromethane	72.1	70 - 125
Toluene-d8	73.4	70 - 125

Analyzed by: MTu

Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

10/28/2005 3:55:15 PM - ECumiffl

# Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

JMK Environmental-San Fernando  
1030 N. Maclay Avenue  
San Fernando, CA 91340  
Attn: Joseph Park

Date Received: 10/26/2005 9:15:09 AM

Project ID: 19554-SII

Project Name: 224 Rickenbacker Circle

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 45961-008

Sample ID: S2-15'

Matrix: Solid

Sample Date: 10/25/2005

EPA 8260B									EPA 8260B
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Methylene Chloride	ND		1.0	25	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Tetrachloroethene	36		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	81.5	70 - 125
Dibromofluoromethane	70.3	70 - 125
Toluene-d8	73.5	70 - 125

Analyzed by: MFelix

Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

10/28/2005 3:55:16 PM - ECunniff8

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

JMK Environmental-San Fernando  
1030 N. Maclay Avenue  
San Fernando, CA 91340  
Attn: Joseph Park

Date Received: 10/26/2005 9:15:09 AM  
Project ID: 19554-SII

Project Name: 224 Rickenbacker Circle

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 45961-009

Sample ID: S2-25'

Matrix: Solid

Sample Date: 10/25/2005

EPA 8260B									EPA 8260B
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Methylene Chloride	ND		1.0	25	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Tetrachloroethene	48		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	83.7	70 - 125
Dibromofluoromethane	71.4	70 - 125
Toluene-d8	75.1	70 - 125

Analyzed by: MFelix

Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

10/28/2005 3:55 16 PM - ECunniff

# Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

JMK Environmental-San Fernando  
1030 N. Maclay Avenue  
San Fernando, CA 91340  
Attn: Joseph Park

Date Received: 10/26/2005 9:15:09 AM  
Project ID: 19554-SII

Project Name: 224 Rickenbacker Circle

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 45961-010

Sample ID: S2-35'

Matrix: Solid

Sample Date: 10/25/2005

EPA 8260B									EPA 8260B
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Methylene Chloride	ND		1.0	25	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Tetrachloroethene	23		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	81.6	70 - 125
Dibromofluoromethane	71.2	70 - 125
Toluene-d8	71.6	70 - 125

Analyzed by: MPelix

Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

10/28/2005 3:55:16 PM - ECunniff

# Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

JMK Environmental-San Fernando  
1030 N. Maclay Avenue  
San Fernando, CA 91340  
Attn: Joseph Park

Date Received: 10/26/2005 9:15:09 AM  
Project ID: 19554-SII

Project Name: 224 Rickenbacker Circle

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 45961-011 Sample ID: S3-25'

Matrix: Solid Sample Date: 10/25/2005

EPA 8260B									EPA 8260B
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Methylene Chloride	ND		1.0	25	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/27/2005	SM3051027

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	84.6	70 - 125
Dibromofluoromethane	70.7	70 - 125
Toluene-d8	75.5	70 - 125

Analyzed by: MFelix  
Reviewed by: MaiChiTu

# Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

JMK Environmental-San Fernando  
1030 N. Maclay Avenue  
San Fernando, CA 91340  
Attn: Joseph Park

Date Received: 10/26/2005 9:15:09 AM  
Project ID: 19554-SII

Project Name: 224 Rickenbacker Circle

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 45961-012

Sample ID: S3-35'

Matrix: Solid

Sample Date: 10/25/2005

EPA 8260B									EPA 8260B
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Methylene Chloride	ND		1.0	25	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	10/28/2005	SM3051028B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	80.1	70 - 125
Dibromofluoromethane	72.9	70 - 125
Toluene-d8	72.6	70 - 125

Analyzed by: MTu  
Reviewed by: xbian

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

10/28/2005 3:55:16 PM - ECunniffe



# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - EPA 8260B - EPA 8260B

QC Batch ID: SM3051026

Validated by: MaiChiTu - 10/27/05

QC Batch Analysis Date: 10/26/2005

Parameter	Result	DF	PQLR	Units
1,1,1-Trichloroethane	ND	1	5.0	µg/Kg
1,1,2,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,2-Trichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethene	ND	1	5.0	µg/Kg
1,2-Dichlorobenzene	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
1,2-Dichloropropane	ND	1	5.0	µg/Kg
1,3-Dichlorobenzene	ND	1	5.0	µg/Kg
1,4-Dichlorobenzene	ND	1	5.0	µg/Kg
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/Kg
Bromodichloromethane	ND	1	5.0	µg/Kg
Bromoform	ND	1	5.0	µg/Kg
Bromomethane	ND	1	5.0	µg/Kg
Carbon Tetrachloride	ND	1	5.0	µg/Kg
Chlorobenzene	ND	1	5.0	µg/Kg
Chloroethane	ND	1	5.0	µg/Kg
Chloroform	ND	1	5.0	µg/Kg
Chloromethane	ND	1	5.0	µg/Kg
cis-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Dibromochloromethane	ND	1	5.0	µg/Kg
Dichlorodifluoromethane	ND	1	5.0	µg/Kg
Methylene Chloride	ND	1	25	µg/Kg
Tetrachloroethene	ND	1	5.0	µg/Kg
trans-1,2-Dichloroethene	ND	1	5.0	µg/Kg
trans-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Trichloroethene	ND	1	5.0	µg/Kg
Trichlorofluoromethane	ND	1	5.0	µg/Kg
Vinyl Chloride	ND	1	5.0	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	83.9	70 - 125
Dibromofluoromethane	70.4	70 - 125
Toluene-d8	75.1	70 - 125

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - EPA 8260B - EPA 8260B

QC Batch ID: SM3051027

Validated by: MaiChiTu - 10/28/05

QC Batch Analysis Date: 10/27/2005

Parameter	Result	DF	PQLR	Units
1,1,1-Trichloroethane	ND	1	5.0	µg/Kg
1,1,2,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,2-Trichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethene	ND	1	5.0	µg/Kg
1,2-Dichlorobenzene	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
1,2-Dichloropropane	ND	1	5.0	µg/Kg
1,3-Dichlorobenzene	ND	1	5.0	µg/Kg
1,4-Dichlorobenzene	ND	1	5.0	µg/Kg
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/Kg
Bromodichloromethane	ND	1	5.0	µg/Kg
Bromoform	ND	1	5.0	µg/Kg
Bromomethane	ND	1	5.0	µg/Kg
Carbon Tetrachloride	ND	1	5.0	µg/Kg
Chlorobenzene	ND	1	5.0	µg/Kg
Chloroethane	ND	1	5.0	µg/Kg
Chloroform	ND	1	5.0	µg/Kg
Chloromethane	ND	1	5.0	µg/Kg
cis-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Dibromochloromethane	ND	1	5.0	µg/Kg
Dichlorodifluoromethane	ND	1	5.0	µg/Kg
Methylene Chloride	ND	1	25	µg/Kg
Tetrachloroethene	ND	1	5.0	µg/Kg
trans-1,2-Dichloroethene	ND	1	5.0	µg/Kg
trans-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Trichloroethene	ND	1	5.0	µg/Kg
Trichlorofluoromethane	ND	1	5.0	µg/Kg
Vinyl Chloride	ND	1	5.0	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	78.6	70 - 125
Dibromofluoromethane	73.2	70 - 125
Toluene-d8	71.1	70 - 125

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - EPA 8260B - EPA 8260B

QC Batch ID: SM3051028B

Validated by: xbian - 10/28/05

QC Batch Analysis Date: 10/28/2005

Parameter	Result	DF	PQLR	Units
1,1,1-Trichloroethane	ND	1	5.0	µg/Kg
1,1,2,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,2-Trichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethene	ND	1	5.0	µg/Kg
1,2-Dichlorobenzene	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
1,2-Dichloropropane	ND	1	5.0	µg/Kg
1,3-Dichlorobenzene	ND	1	5.0	µg/Kg
1,4-Dichlorobenzene	ND	1	5.0	µg/Kg
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/Kg
Bromodichloromethane	ND	1	5.0	µg/Kg
Bromoform	ND	1	5.0	µg/Kg
Bromomethane	ND	1	5.0	µg/Kg
Carbon Tetrachloride	ND	1	5.0	µg/Kg
Chlorobenzene	ND	1	5.0	µg/Kg
Chloroethane	ND	1	5.0	µg/Kg
Chloroform	ND	1	5.0	µg/Kg
Chloromethane	ND	1	5.0	µg/Kg
cis-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Dibromochloromethane	ND	1	5.0	µg/Kg
Dichlorodifluoromethane	ND	1	5.0	µg/Kg
Methylene Chloride	ND	1	25	µg/Kg
Tetrachloroethene	ND	1	5.0	µg/Kg
trans-1,2-Dichloroethene	ND	1	5.0	µg/Kg
trans-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Trichloroethene	ND	1	5.0	µg/Kg
Trichlorofluoromethane	ND	1	5.0	µg/Kg
Vinyl Chloride	ND	1	5.0	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	82.0	70 - 125
Dibromofluoromethane	71.4	70 - 125
Toluene-d8	73.0	70 - 125

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Laboratory Control Sample / Duplicate - Solid - EPA 8260B - EPA 8260B

QC Batch ID: SM3051026

Reviewed by: MaiChiTu - 10/27/05

QC Batch ID Analysis Date: 10/26/2005

<b>LCS</b>						
Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	40.6	µg/Kg	102	70 - 135
Benzene	<5.0	40	40.7	µg/Kg	102	70 - 135
Chlorobenzene	<5.0	40	41.8	µg/Kg	104	70 - 135
Methyl-t-butyl Ether	<5.0	40	38.0	µg/Kg	95.0	70 - 135
Toluene	<5.0	40	38.8	µg/Kg	97.0	70 - 135
Trichloroethene	<5.0	40	48.9	µg/Kg	122	70 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	81	70 - 125				
Dibromofluoromethane	75.5	70 - 125				
Toluene-d8	73.2	70 - 125				

<b>LCSD</b>								
Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	43.7	µg/Kg	109	7.4	30.0	70 - 135
Benzene	<5.0	40	43.1	µg/Kg	108	5.7	30.0	70 - 135
Chlorobenzene	<5.0	40	45.0	µg/Kg	112	7.4	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	40	39.0	µg/Kg	97.5	2.6	30.0	70 - 135
Toluene	<5.0	40	41.2	µg/Kg	103	6.0	30.0	70 - 135
Trichloroethene	<5.0	40	49.2	µg/Kg	123	0.61	30.0	70 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	82.4	70 - 125						
Dibromofluoromethane	76.6	70 - 125						
Toluene-d8	75.1	70 - 125						

# Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Laboratory Control Sample / Duplicate - Solid - EPA 8260B - EPA 8260B

QC Batch ID: SM3051027

Reviewed by: MaiChiTu - 10/28/05

QC Batch ID Analysis Date: 10/27/2005

<b>LCS</b>						
Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	43.3	µg/Kg	108	70 - 135
Benzene	<5.0	40	42.7	µg/Kg	107	70 - 135
Chlorobenzene	<5.0	40	44.2	µg/Kg	110	70 - 135
Methyl-t-butyl Ether	<5.0	40	40.6	µg/Kg	102	70 - 135
Toluene	<5.0	40	40.7	µg/Kg	102	70 - 135
Trichloroethene	<5.0	40	51.9	µg/Kg	130	70 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	83.2	70 - 125				
Dibromofluoromethane	76.6	70 - 125				
Toluene-d8	72.7	70 - 125				

<b>LCSD</b>								
Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	43.8	µg/Kg	110	1.1	30.0	70 - 135
Benzene	<5.0	40	43.0	µg/Kg	108	0.70	30.0	70 - 135
Chlorobenzene	<5.0	40	43.9	µg/Kg	110	0.68	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	40	40.1	µg/Kg	100	1.2	30.0	70 - 135
Toluene	<5.0	40	40.6	µg/Kg	102	0.25	30.0	70 - 135
Trichloroethene	<5.0	40	51.1	µg/Kg	128	1.6	30.0	70 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	79.1	70 - 125						
Dibromofluoromethane	75.2	70 - 125						
Toluene-d8	71	70 - 125						

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Matrix Spike / Matrix Spike Duplicate - Solid - EPA 8260B - EPA 8260B

QC Batch ID: SM3051027

Reviewed by: xbian - 10/28/05

QC Batch ID Analysis Date: 10/27/2005

MS Sample Spiked: 45961-011

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
1,1-Dichloroethene	ND	40	41.1	µg/Kg	10/27/2005	103	70 - 135
Chlorobenzene	ND	40	42.6	µg/Kg	10/27/2005	106	70 - 135
Trichloroethene	ND	40	49.6	µg/Kg	10/27/2005	124	70 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	82.2	70 - 125
Dibromofluoromethane	75.5	70 - 125
Toluene-d8	73.9	70 - 125

MSD Sample Spiked: 45961-011

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	ND	40	41.9	µg/Kg	10/27/2005	105	1.9	30.0	70 - 135
Chlorobenzene	ND	40	41.1	µg/Kg	10/27/2005	103	3.6	30.0	70 - 135
Trichloroethene	ND	40	47.9	µg/Kg	10/27/2005	120	3.5	30.0	70 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	80.8	70 - 125
Dibromofluoromethane	76.5	70 - 125
Toluene-d8	72	70 - 125

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Laboratory Control Sample / Duplicate - Solid - EPA 8260B - EPA 8260B

QC Batch ID: SM3051028B

Reviewed by: xbian - 10/28/05

QC Batch ID Analysis Date: 10/28/2005

<b>LCS</b>						
Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	35.4	µg/Kg	88.6	70 - 135
Benzene	<5.0	40	37.6	µg/Kg	94.1	70 - 135
Chlorobenzene	<5.0	40	37.1	µg/Kg	92.8	70 - 135
Methyl-t-butyl Ether	<5.0	40	36.1	µg/Kg	90.4	70 - 135
Toluene	<5.0	40	33.2	µg/Kg	83.0	70 - 135
Trichloroethene	<5.0	40	46.0	µg/Kg	115	70 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	78.5	70 - 125				
Dibromofluoromethane	77.8	70 - 125				
Toluene-d8	70.1	70 - 125				

<b>LCSD</b>								
Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	38.8	µg/Kg	97.1	9.2	30.0	70 - 135
Benzene	<5.0	40	42.2	µg/Kg	105	11	30.0	70 - 135
Chlorobenzene	<5.0	40	41.9	µg/Kg	105	12	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	40	39.1	µg/Kg	97.8	7.9	30.0	70 - 135
Toluene	<5.0	40	38.1	µg/Kg	95.2	14	30.0	70 - 135
Trichloroethene	<5.0	40	49.1	µg/Kg	123	6.6	30.0	70 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	82	70 - 125						
Dibromofluoromethane	75.6	70 - 125						
Toluene-d8	71.2	70 - 125						

# Entech Analytical Labs, Inc.

3334 Victor Court (408) 588-0200  
 Santa Clara, CA 95054 (408) 588-0201 - Fax

# Chain of Custody / Analysis Request

Attention to: <i>Joseph Park</i>	Phone No.: <i>818-979-0010</i>	Purchase Order No.:	Invoice to: (if Different)	Quote No.:
Company Name: <i>JMK</i>	Fax No.: <i>818-979-0020</i>	Project No.: <i>19554-SI</i>	Company:	
Mailing Address: <i>1030 N. MacLay Av.</i>	Email Address: <i>JosephPark@JMKent.com</i>	Project Name:	Billing Address: (if Different)	
City: <i>San Fernando</i>	State: <i>CA</i>	Zip Code: <i>91346</i>	Project Location: <i>224 Rickenbacker Circle</i>	City: <i>Livermore</i>
			State: <i>CA</i>	Zip: <i>94550</i>

Sampler: <i>J.P.</i>	Field Org. Code:	Turn Around Time <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input checked="" type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input type="checkbox"/> 10 Day	GC/MS Methods	GC Methods	General Chemistry
Global ID:	Order ID: <i>45961</i>	Sample	EPA 8260B BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> TPH Gas <input type="checkbox"/> by 8260B 5 Oxymates (MTBE, TBA, ETBA, DPE, TAME) <input type="checkbox"/> Lead Scavengers (L2, P2A, L2EDB) <input type="checkbox"/> Ethanol <input type="checkbox"/> Base/Neutral/Acid Organics 8270 <input type="checkbox"/> PAH - 8270CL <input type="checkbox"/> PAH - 8270-SIM <input type="checkbox"/> TPH Extractable Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other <input type="checkbox"/> W/S Sol Cleanup <input type="checkbox"/> Pesticides-8081 <input type="checkbox"/> TPH as Gas/BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> by 8015M/8020 Methanol by 8015M	Arsenic <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> Br <input type="checkbox"/> SO4 <input type="checkbox"/> NO3 <input type="checkbox"/> NO2 <input type="checkbox"/> PO4 <input type="checkbox"/> PH <input type="checkbox"/> TSS <input type="checkbox"/> SC <input type="checkbox"/> TOC <input type="checkbox"/> TRPH <input type="checkbox"/> O & G <input type="checkbox"/> Metals - Circle Below Total Dissolved <input type="checkbox"/> STIC <input type="checkbox"/> TOLP <input type="checkbox"/>	Remarks

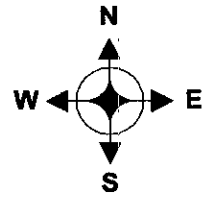
Client ID / Field Point	Lab. No.	Date	Time	Matrix	No. of Containers	Analysis	Remarks
<i>S1-5'</i>	<i>-001</i>	<i>10/25/05</i>		<i>S</i>	<i>1</i>	<i>✓</i>	
<i>S1-10'</i>	<i>-002</i>	<i>10/25/05</i>		<i>S</i>	<i>1</i>	<i>✓</i>	
<i>S1-15'</i>	<i>-003</i>	<i>10/25/05</i>		<i>S</i>	<i>1</i>	<i>✓</i>	
<del><i>S1-20'</i></del>		<del><i>#</i></del>		<del><i>S</i></del>	<del><i>1</i></del>	<del><i>✓</i></del>	
<i>S1-25'</i>	<i>-004</i>			<i>S</i>	<i>1</i>	<i>✓</i>	
<i>S1-35'</i>	<i>-005</i>			<i>S</i>	<i>1</i>	<i>✓</i>	
<i>S2-5'</i>	<i>-006</i>			<i>S</i>	<i>1</i>	<i>✓</i>	
<i>S2-10'</i>	<i>-007</i>			<i>S</i>	<i>1</i>	<i>✓</i>	
<i>S2-15'</i>	<i>-008</i>			<i>S</i>	<i>1</i>	<i>✓</i>	
<i>S2-25'</i>	<i>-009</i>			<i>S</i>	<i>1</i>	<i>✓</i>	
<i>S2-35'</i>	<i>-010</i>			<i>S</i>	<i>1</i>	<i>✓</i>	
<i>S3-25'</i>	<i>-011</i>			<i>S</i>	<i>1</i>	<i>✓</i>	
<i>S3-35'</i>	<i>-012</i>			<i>S</i>	<i>1</i>	<i>✓</i>	

3 DAYS

Relinquished by: <i>J. Park</i>	Received by: <i>Dan Thoma</i>	Date: <i>10/25/05</i>	Time: <i>1820</i>	Special Instructions or Comments <i>1820 P/col(1) each. Small Acetate tubes @ 50C U/A client. Sample IDs match CCL - DLT</i>	<input type="checkbox"/> EDD Report
Relinquished by:	Received by:	Date:	Time:	Metals: Al, As, Sb, Ba, Be, Bi, B, Cd, Ce, Ca, Cr, Co, Cs, Cu, Fe, Pb, Mg, Mn, Ga, Ge, Hg, In, Li, Mo, Ni, P, K, Si, Ag, Na, S, Se, Sr, Ta, Te, Tl, Sn, Ti, Zn, V, W, Zr	<input type="checkbox"/> EDF Report
Relinquished by:	Received by:	Date:	Time:		<input type="checkbox"/> Plating
					<input type="checkbox"/> LUFT-5
					<input type="checkbox"/> RCRA-8
					<input type="checkbox"/> PPM-13
					<input type="checkbox"/> CAM-17

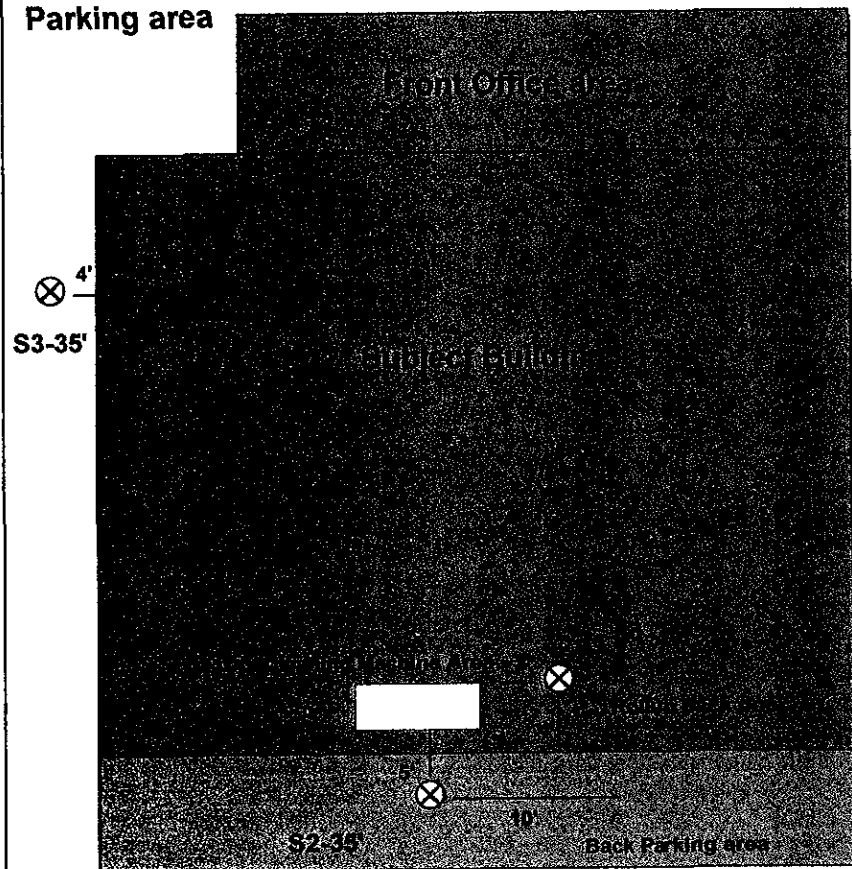


**FIGURE 2  
SITE PLOT PLAN**



**Rickenbacker Circle**

Groundwater Flow  
Direction



**Subject Site**

⊗ Boring Location

<p><b>JMK ENVIRONMENTAL</b> Environmental Engineering &amp; Consulting Services 1030 N. Maclay Avenue, San Fernando, CA 91340 (818) 979-0010, FAX (818) 979-0020 www.phase1report.com</p>	Phase II Environmental Site Assessment	
	224 Rickenbacker Circle, Livermore, CA 94550	
	Not to scale	
	October 25th, 2005	SII-19554