

1030 N. Maclay Avenue, San Fernando, CA 91340 | 1 tel 818.979.0010 | Fax 818.979.0020 | www.jmkenv.com

March 30th, 2004

Ms. Jayantha Randeni Department of Toxic Substances Control 700 Heinz Street, Suite 200 Berkeley, CA 94710

RE: 4311-4333 MacArthur Blvd, Oakland, CA 94619 project

Dear Jayantha:

JMK Environmental Solutions, Inc. is pleased to submit this **subsurface level** Phase II report for Mr. Alex Hahn (owner) for the former Pacific Gas and Electric Company (PG & E) site in Oakland, California. This report documents results **subsurface level** soil test that was performed on 3/19/04 by JMK on behalf of Mr. Alex Hahn.

This report contains the procedures, findings, conclusions, and limitations of the Phase II Environmental Site Assessment performed at the subject property. The purpose of this assessment is to provide an indication of the presence of potential environmental liabilities or concerns associated with the subject property by reporting the findings from the laboratory results.

We appreciate the opportunity to serve you with our professional services in environmental assessment. Please contact us at (800) 900-1511 or (818) 979-0010, if you have further questions.

Sincerely,

Prepared by:

Robin Chang, Senior Geologist

Ph.D., REA, R.G. #5333

Reviewed by:

Joseph Park, Project Manage

CHMM. RÉA #07861

SJMK

ENVIRONMENTAL SOUTHWARE

BEAL STOTT VALIANCE A DEPUTY VALIAN

No. 5333

Exercitors examination

PROJECT JMK-SII-13491

4311-4333 MacArthur Blvd. Oakland, CA 94619

PREPARED FOR

Ms. Jayantha Randeni

Department of Toxic Substances Control 700 Heinz Street, Suite 200 Berkeley, CA 94710

March 30th, 2004



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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 4311-4333 MacArthur Blvd., Oakland, CA (the Site). The location of the Site is shown on Figure 1. The property encompasses approximately 12,000 square feet and located immediately northeast of Interstate 580 on the south side of High Street. Fences, walls, and existing structures or building enclosed the property.

1.1 Objective

The objective of our investigation was to determine if there was any potential impact to the Site from the past gas & electric operations. This **surface level** soil investigation practice will identify any adverse environmental impact on the property including the use, storage, treatment, and disposal of hazardous materials.

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 eight (8) soil borings (S1 through S8), respectively pre-approved locations by DTSC for the most probable former contaminated locations. Collected one (1) soil sample from each location, respectively at surface level of the subject property for analysis.
- Submitted collected surface level soil samples from borings S1 through S8 for laboratory chemical analysis of TPHmotor oil & diesel (EPA 8015M), BTEX (EPA 8260), and Lead (EPA 6010B/7000).
- Evaluated the data and prepared this report.

Mr. Alex Hahn, owner, 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

The Site is a roughly tilted triangle-shaped lot on the southwest side of S. Macarthur Boulevard and High Street in the City of Oakland, California. The northern section of the property is the site of the former High Street Substation. The southern section is a vacant lot. The PG & E High Street Substation was in operation from 1958 through 1988. When active, it housed an oil-filled unit transformer. In 1988, the facility became inactive. In 1995, all equipment were dismantled and removed from the subject property.

The subject property is located in a mixed residential and commercial district of Oakland, California. High Street borders it to the north, with a Shell Service Station and a mobile home park located directly across from the property. The High Street off-ramp borders the property to the west, liquor store and Robert's tire borders the property to the east, Vacant land with vegetation borders the property to the south.

JMK was contracted to perform Environmental Site Assessment Phase II investigation at the subject property. The soil sampling was scheduled to explore surface level conditions to identify any impacts.

3.0 FIELD INVESTIGATION

On March 19th, 2004, eight (8) soil borings SI through S8 were advanced utilizing a grab sampling technique at following respective locations shown in the boring log (Appendix).

3.1 Methodology

Undisturbed soil samples were collected at the **surface level** of each boring. At each boring location, a sampling glass jar was utilized to collect soil samples.

Immediately collecting soil samples, the sample jar 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, and date of collection. Sample date is recorded on chain-of-custody documentation presented in Appendix C of this report.

Since Geoprobe drilling machine was not used for the drilling and soil sampling, no soil cuttings were generated and required being containerized.



3.2 Laboratory Analysis

Soil samples were delivered to Severn Trent Laboratory (STL), Pleasanton, California for chemical analysis. STL is a State of California Certified laboratory. The person collecting the soil samples initiated Chain-of-Custody documentation. The samples were delivered to STL on the same day collected and transferred using chain-of-custody protocol. Eight (8) soil samples collected from borings S1 through S8 were analyzed by:

- EPA Method 8260B for BTEX
- EPA Method 8015M for TPH motor oil & diesel
- EPA Method 6010/7000 for Lead

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

3.3 Geological Setting

The subject property is located east of San Francisco Bay in the East Bay foothills, an area consist of fine to coarse-grained stream deposits of Late Pleistocene age (ENSCO, 1988). The stream deposits are characterized by weakly consolidated, poorly sorted, irregularly imbedded clay, silty sand, and gravel (ENSCO, 1988). The coarseness of sediment gradually from coarse-grain deposits on bedrock canyon terraces and at the heads of alluvial fans into fine-grained alluvial fan deposits towards the San Francisco Bay (ENSCO, 1988).

Dominant processes depositing local sediments were probably alluvial, fluvial, and estuarine. Superimposed on the alluvial, fluvial, and estuarine processes were cyclic Pleistocene glaciations causing the dramatic changes in sea level and significant variation in regional precipitation. This depositional history probably has resulted in a complex sedimentary sequence characterized by irregular interbedding and interfingering of coarse- and fine-grained deposits. Because the site is located close to San Francisco Bay, many of the more recent and shallow sediment are probably fine-grained and characteristic of lower fan deposits and estuarine marshes. Coarser sediments may have been deposited in the ancestral drainage.

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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 medium silt at the ground surface. A
 boring log was not prepared due to surface level soil sampling performed
- Total BTEX (Benzene, Toluene, Ethyl Benzene, & Xylene) and TPHg (Total Petroleum Hydrocarbon gasoline) concentrations at surface level soil samples from borings S1 through S8, a total of 8 soil samples were all non-detected.
- There was an evidence of engine oil trace on the surface level of S1 (1,900 ppm), S2 (220 ppm), S3 (800 ppm), S4 (8,500 ppm), S5 (830 ppm), S6 (790 ppm), S7 (3,500 ppm), and S8 (1,900 ppm). The most motor oil affected area (staining) was confined to the location designated S4 and S7 surface level only. Maximum Soil Screening Levels (MSSL) for TPH motor waste oil is 10,000 ppm for 20-150 feet groundwater depth. All results came out to be below the MSSL for TPH motor oil above Drinking Water Aquifers.
- There was an evidence of diesel trace on the surface level of S1 (290 ppm), S2 (16 ppm), S3 (47 ppm), S4 (570 ppm), S5 (34 ppm), S6 (41 ppm), S7 (250 ppm), and S8 (190 ppm). The most diesel-affected area was S4 surface level only. Rest of the area was just a minor staining or trace of diesel only. Maximum Soil Screening Levels (MSSL) for TPH diesel is 1,000 ppm for 20 150 feet of groundwater depth. All results came out to be below the MSSL for TPH diesel above Drinking Water Aquifers.
- There was an evidence of Lead trace on the surface level of S1 (520 ppm), S2 (7.4 ppm), S3 (26 ppm), S4 (330 ppm), S5 (87 ppm), S6 (180 ppm), S7 (130 ppm), and S8 (260 ppm). The highest affected area was S1 location at 520 ppm. Total Threshold Limit Concentration (TTLC) for Lead is 1,000 mg/kg (ppm). All results came out to be below the TTLC maximum limit of 1000 ppm.
- Groundwater was not encountered at the surface level during this investigation.

In summary, Lead came out below Total Threshold Limit Concentration level. BTEX in analyzed soil samples were identified as Non-Detected. TPH motor oil & diesel analyzed were to have concentrations below their Maximum Soil Screening Levels (MSSL, presented in milligrams per kilogram).

4.2 Conclusions and Recommendations

Based upon the results of this investigation, JMK concludes that there has been some impact to the subsurface soils resulting from the former electric & gas service operations. However, the results were below the state limit concentration level for Lead, BTEX, TPHdiesel & motor oil according to Maximum Soil Screen Level (MSSL) and Total Threshold Limit Concentration (TTLC). Regarding the ground level test at the subject site, JMK recommends no additional phase II site investigations or characterization at this time.

5.0 LIMITATION

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.

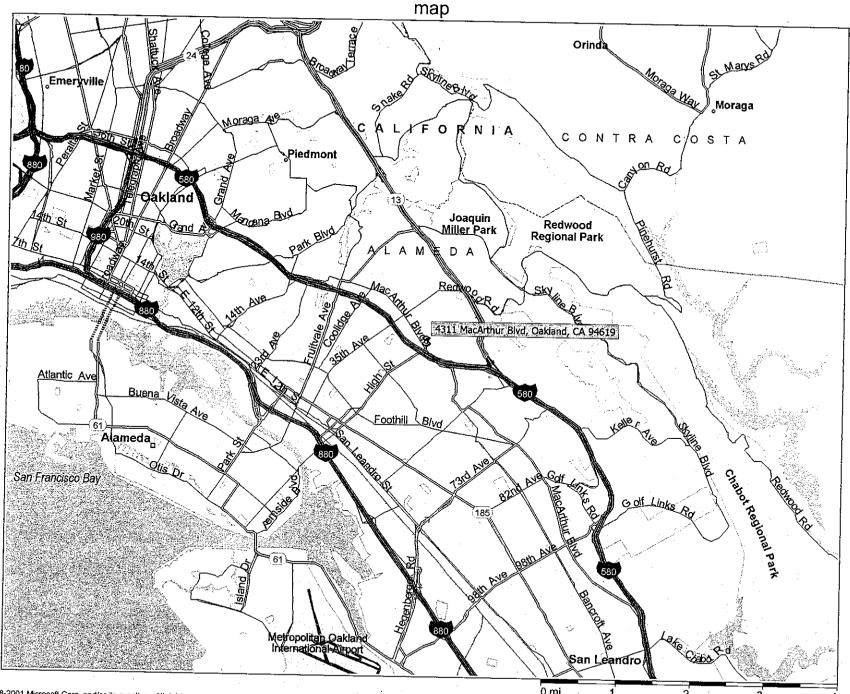
The findings, conclusions and recommendations in this report are considered valid as of the present date. However, changes in the conditions of the property can occur with the passage of time, due to natural process or the works of man on this or adjacent properties. In addition, changes in applicable 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

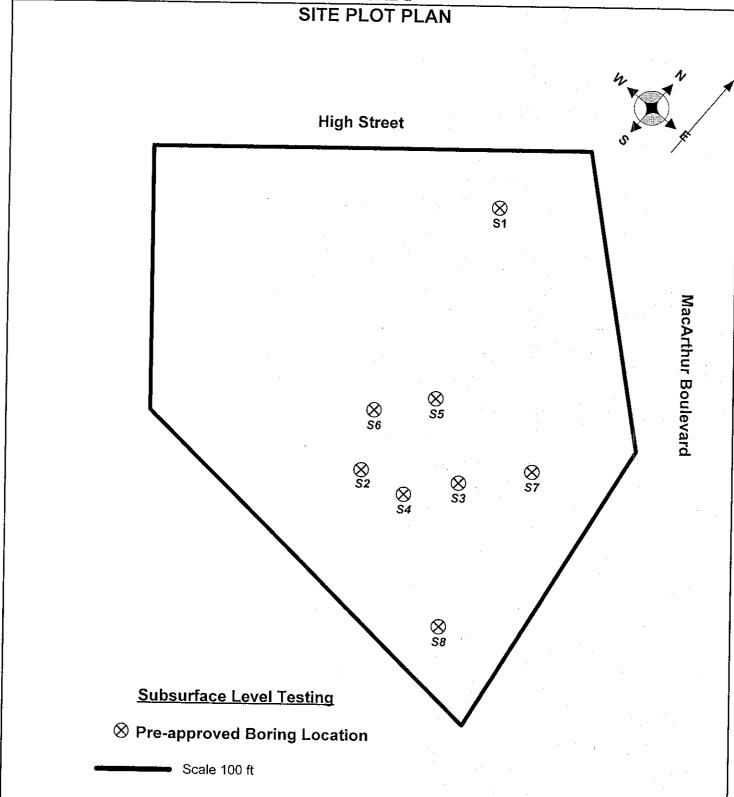


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© Copyright 2000 by Geographic Data Technology, Inc. All rights reserved. © 2000 Navigation Technologies. All rights reserved. This data includes information taken with permission from Canadian authorities © Her Majesty the Queen in Right of Canada.
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APPENDIX A

FIGURE 2

SITE PLOT PLAN SHOWING BORING LOCATIONS



JMK ENVIRONMENTAL

Environmental Engineering & Consulting Services 1030 N. Maclay Avenue, San Fernando, CA 91340 (818) 979-0010, FAX (818) 979-0020 www.phase1report.com

Phase II Environmental	Site Assessment
Roberts Tire Facility 4311-4333 MacArthur Bl	vd., Oakland, CA 94619
	Not to scale
March 19th, 2004	SII-13491

APPENDIX B

CHAIN-OF-CUSTODY RECORDS OF SOIL SAMPLES

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Company JMK Savironing to But Assignes; 1030 N. Maclay	1220 Quarry Lane • Pleasant 1220 Quarry Lane • Pleasant Phone: (925) 484-1918 • Fax Emai: silloglin@sti-l	Analysis Request	tePage/_of/
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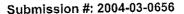
STL San Francisco

Sample Receipt Checklist

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APPENDIX C

LABORATORY ANALYTICAL REPORT OF SOIL SAMPLES





JMK Environmental Attn.: Joseph Park

1030 North Maclay Avenue

San Fernando, CA 91340

Phone: (818) 979-0010 Fax: (818) 979-0020

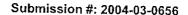
Project: 13491-SI

13491

Received: 03/19/2004 17:40

Samples Reported

Sample Name	Date Sampled	Matrix	Lab#
S1-SURFACE S2-SURFACE S3-SURFACE S4-SURFACE S5-SURFACE S6-SURFACE S7-SURFACE S8-SURFACE	03/19/2004 09:10 03/19/2004 09:15 03/19/2004 09:20 03/19/2004 09:23 03/19/2004 09:25 03/19/2004 09:28 03/19/2004 09:30 03/19/2004 09:33	Soil Soil Soil Soil Soil Soil Soil	1 2 3 4 5 6 7 8





JMK Environmental Attn.: Joseph Park

1030 North Maclay Avenue

San Fernando, CA 91340

Phone: (818) 979-0010 Fax: (818) 979-0020

Project: 13491-SI

13491

Received: 03/19/2004 17:40

Prep(s): 5030B

Test(s):

8260B

Sample ID: S1-SURFACE

Lab ID:

2004-03-0656 - 1

Sampled:

03/19/2004 09:10

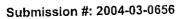
Extracted:

3/23/2004 09:10

Matrix:

Soil

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene Toluene Ethyl benzene Total xylenes	ND ND ND ND	5.0 5.0 5.0 5.0	ug/Kg ug/Kg ug/Kg ug/Kg	1.00 1.00 1.00	03/23/2004 09:10 03/23/2004 09:10 03/23/2004 09:10 03/23/2004 09:10	
Surrogate(s) 1,2-Dichloroethane-d4 Toluene-d8	109.7 81.4	70-121 81-117	%	1.00	03/23/2004 09:10 03/23/2004 09:10	





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Received: 03/19/2004 17:40

5030B Prep(s):

Sample ID: S2-SURFACE

Sampled: 03/19/2004 09 15

8260B Test(s):

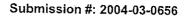
Lab ID.

2004-03-0656 - 2

Extracted:

3/23/2004 09:29

STATE OF THE PROPERTY OF THE P	Conc.	RL	Unit	Dilution	Analyzed	Flag
Compound Benzene Toluene Ethyl benzene Total xylenes	ND ND ND ND	5.0 5.0 5.0 5.0	ug/Kg ug/Kg ug/Kg ug/Kg	1.00		
Surrogate(s) 1,2-Dichloroethane-d4 Toluene-d8	94.3 100.6	70-121 81-117	%	1.00 1.00	03/23/2004 09:29 03/23/2004 09:29	





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Received: 03/19/2004 17:40

Prep(s): 5030B

Sample ID: S3-SURFACE

Matrix:

Sampled:

03/19/2004 09:20

Test(s): 8260B

Lab ID:

2004-03-0656 - 3

Extracted:

3/23/2004 09:47

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	5.0	ug/Kg	·	03/23/2004 09:47	· iag
Toluene	ND	5.0	ug/Kg		03/23/2004 09:47	
Ethyl benzene	ND	5.0	ug/Kg		03/23/2004 09:47	
Total xylenes	ND	5.0	ug/Kg		03/23/2004 09:47	
Surrogate(s)			-39	1.00	03/23/2004 09.47	
1,2-Dichloroethane-d4	97.5	70-121	%	1.00	03/23/2004 09:47	
Toluene-d8	88.5	81-117	%		03/23/2004 09:47	



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Prep(s): 5030B

Test(s):

8260B

Sample ID: S4-SURFACE

Lab ID:

2004-03-0656 - 4

Sampled: 03/19/2004 09:23

Extracted:

3/23/2004 10:05

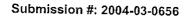
Matrix:

Soil

QC Batch#; 2004/03/23-01.69

Analysis Flag: Is (See Legend and Note Section)

Commound	Conc.	RL.	Unit	Dilution	Analyzed	Flag
Compound Benzene Toluene Ethyl benzene	ND ND ND	5.0 5.0 5.0	ug/Kg ug/Kg ug/Kg	1.00	03/23/2004 10:05 03/23/2004 10:05 03/23/2004 10:05	
Total xylenes Surrogate(s) 1,2-Dichloroethane-d4 Toluene-d8	ND 113.7 69.1	5.0 70-121 81-117	ug/Kg % %	1.00	03/23/2004 10:05 03/23/2004 10:05 03/23/2004 10:05	sl





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Received: 03/19/2004 17:40

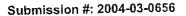
 Prep(s):
 5030B
 Test(s):
 8260B

 Sample ID:
 2004-03-0656 - 5

 Sampled:
 03/19/2004 09:25
 Extracted:
 3/23/2004 10:24

 Matrix:
 Soil
 QC Batch#:
 2004/03/23-01:69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Elea
Benzene Toluene Ethyl benzene Total xylenes	ND ND ND ND	5.0 5.0 5.0 5.0	ug/Kg ug/Kg ug/Kg ug/Kg	1.00 1.00 1.00	03/23/2004 10:24 03/23/2004 10:24 03/23/2004 10:24 03/23/2004 10:24	
Surrogate(s) 1,2-Dichloroethane-d4 Toluene-d8	97.6 84.1	70-121 81-117	%		03/23/2004 10:24 03/23/2004 10:24	





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Received: 03/19/2004 17:40

Prep(s): 5030B

Sample ID: S6-SURFACE

Sampled:

03/19/2004 09:28

Matrix: Soil . Test(s): 8260B

Lab ID:

2004-03-0656 - 6

Extracted:

3/23/2004 10:42

Bill Contract of the results and the results of the	Conc.	RL	Unit	Dilution	Analyzed	Flag
Compound Benzene Toluene Ethyl benzene Total xylenes	ND ND ND ND	5.0 5.0 5.0 5.0	ug/Kg ug/Kg ug/Kg ug/Kg	1.00 1.00	03/23/2004 10:42 03/23/2004 10:42 03/23/2004 10:42 03/23/2004 10:42	
Surrogate(s) 1,2-Dichloroethane-d4 Toluene-d8	114.5 89.0	70-121 81-117	%		03/23/2004 10:42 03/23/2004 10:42	L



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Received: 03/19/2004 17:40

Prep(s): 5030B

Test(s):

8260B

Sample ID: S7-SURFACE

Lab ID:

2004-03-0656 - 7

Sampled:

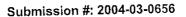
03/19/2004 09:30

Extracted:

3/23/2004 11:01

Matrix:

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	5.0	ug/Kg		03/23/2004 11:01	riag
Toluene	ND	5.0	ug/Kg		t F	
Ethyl benzene	ND	5.0	ug/Kg		03/23/2004 11:01	
Total xylenes	ND	5.0	ug/Kg		03/23/2004 11:01	
Surrogate(s)	İ					
1,2-Dichloroethane-d4	104.8	70-121	%	1.00	03/23/2004 11:01	
Toluene-d8	94.4	81-117	%		03/23/2004 11:01	





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Received: 03/19/2004 17:40

Prep(s):

5030B

Sample ID: S8-SURFACE

Sampled: 03/19/2004 09:33

Matrix:

Soil

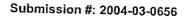
Analysis Flag: is (See Legend and Note Section.)

Test(s); 8260B

2004-03-0656 - 8 Lab ID:

Extracted! 3/23/2004 11:19

	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene Toluene	ND ND	5.0 5.0	ug/Kg ug/Kg	1.00	03/23/2004 11:19 03/23/2004 11:19	
Ethyl benzene Total xylenes	ND ND	5.0 5.0	ug/Kg ug/Kg		03/23/2004 11:19 03/23/2004 11:19	
Surrogate(s) 1,2-Dichloroethane-d4 Toluene-d8	104.5 76.6	70-121 81-117	%	1.00 1.00	03/23/2004 11:19 03/23/2004 11:19	





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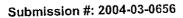
Project: 13491-SI

13491

Received: 03/19/2004 17:40

Batch QC Report
TO SEE THE TOTAL PROPERTY OF THE PROPERTY OF T
Prep(s): 5030B
Method Blank Seit 22 Test(s). 8260B
QC Batch # 2004/03/23-04 Fo
MB: 2004/03/22 04 60 042
Mid. 2004/03/23-01.69-042 Date Extracted: 03/23/2004 08:42

Compound	Conc.	RL	Unit	Analyzed	···········
Benzene Toluene Ethyl benzene Total xylenes	ND ND ND	5.0 5.0 5.0 5.0	ug/Kg ug/Kg ug/Kg ug/Kg	03/23/2004 08:42 03/23/2004 08:42 03/23/2004 08:42 03/23/2004 08:42	Flag
Surrogates(s) 1,2-Dichloroethane-d4 Toluene-d8	116.6 97.6	70-121 81-117	% %	03/23/2004 08:42 03/23/2004 08:42	





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	The state of the s			anay (ay ka	181170 W.A.U.	REMARKS.		Bellio de Sal	and surface	
		E	atch QC Re	port		nagana Ngjarja			ia interior Magnetic	
Prep(s): 5030B			a superior	4 To 3				e ve⊓ Sees	Fest(s):	8260B
			620			റ	C Batch	# 200	14/03/23	-01.69
Laboratory Control S	ipike		Soil				Analyze	Mark sale		
LCS 2004/03/23			Extracted: 0	COMPRESSOR OF THE PARTY.	The state of the s		Analyze			
LCSD 2004/03/23	-01.69-023		Extracted: 0			TRPD				ags
Compound	Conc.	ug/Kg	Exp.Conc.		very %	+	Rec.	RPD	LCS	LCSD
	LCS	LCSD_	_	LCS_	LCSD	<u>%</u>	60-120			

	Conc.	ug/Kg	Exp.Conc.	Recovery %		RPD	Ctrl.Lim	nits %	Fla	ags
Compound	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene Toluene	53.5 51.5	56.3 52.2	50.0 50.0	107.0 103.0	112.6 104.4	5.1 1.4	69-129 70-130	20 20		
Surrogates(s) 1,2-Dichloroethane-d4 Toluene-d8	496 499	507 507	500 500	99.2 99.8	101.4 101.4		70-121 81-117			



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Legend and Notes

Analysis Flag

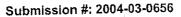
is

Internal standard out of range due to matrix interference.

Result Flag

sl

Surrogate recoveries were lower than QC limit due to matrix interference, confirmed by reanalysis.





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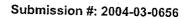
Project: 13491-SI

13491

Received: 03/19/2004 17:40

Samples Reported

Same Name	Date Sampled	Matrix	Lab#
Sample Name S1-SURFACE S2-SURFACE S3-SURFACE S4-SURFACE S5-SURFACE S6-SURFACE S7-SURFACE S8-SURFACE	03/19/2004 09:10 03/19/2004 09:15 03/19/2004 09:20 03/19/2004 09:23 03/19/2004 09:25 03/19/2004 09:28 03/19/2004 09:30 03/19/2004 09:33	Soil Soil Soil Soil Soil Soil Soil	1 2 3 4 5 6 7 8





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Received: 03/19/2004 17:40

Prep(s): 3050B

Sample ID: S1-SURFACE

Sampled: 03/19/2004 09:10

Matrix:

Test(s):

6010B

Lab ID:

2004-03-0656 - 1

Extracted:

3/22/2004 06:43

QC Batch#; 2004/03/22-01:15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	520	1.0	mg/Kg	1.00	03/22/2004 19:39	



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Project: 13491-SI

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Received: 03/19/2004 17:40

3050B Prep(s):

Sample ID; S2-SURFACE

Sampled: 03/19/2004 09:15

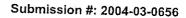
Severn Trent Laboratories, Inc.

Matrix: Soil Test(s): 6010B

2004-03-0656 - 2 Lab ID:

3/22/2004 06:43 Extracted:

[Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag	
	Lead	7.4	1.0	mg/Kg	1.00	03/22/2004 19:43		ŀ





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Received: 03/19/2004 17:40

Prep(s): 3050B

Sample ID: S3-SURFACE

Sampled: 03/19/2004 09:20

Matrix:

Soil

Test(s):

6010B

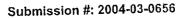
Lab ID:

2004-03-0656 - 3

Extracted:

3/22/2004 06:43

Commercial				Anna su i ser kasaka anda ist refere i ist		Wiston (1995)
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	26	1.0	mg/Kg	1.00	03/22/2004 20:39	
···				· · · · · · · · · · · · · · · · · · ·	111111111111111111111111111111111111111	





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Received: 03/19/2004 17:40

Prep(s): 3050B

Sample ID: S4-SURFACE

Sampled: 03/19/2004 09:23

Matrix: Soil

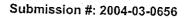
Test(s): 6010B

Lab ID: 1 2004-03-0656 - 4

Extracted: 3/22/2004 06:43

QC Batch#; 2004/03/22-01.15

A STATE OF THE PROPERTY OF THE							
	Conc.	RL	Unit	Dilution	Analyzed	Flag	i
Compound	330	1.0	mg/Kg	1.00	03/22/2004 20:42		
l Lead	1 330	11.0	9, 19				1





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Prep(s): 3050B

Sample ID: S5-SURFACE

Sampled: Matrix:

03/19/2004 09:25

Test(s):

6010B

Lab ID:

2004-03-0656 - 5

Extracted:

3/22/2004 06:43

QC Batch#: 2004/03/22-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	87	1.0	mg/Kg	1.00	03/22/2004 20:46	



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Received: 03/19/2004 17:40

Prep(s): 3050B

Sample ID: S6-SURFACE

03/19/2004 09:28 Sampled:

Matrix: Soil Test(s):

6010B

Lab ID:

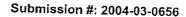
2004-03-0656 - 6

Extracted:

3/22/2004 06:43

QC Batch#; 2004/03/22-01:15

CONTROL OF CONTROL CON							
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag	
Compound	180	1.0	mg/Kg	1.00	03/22/2004 20:49		
l Lead	1 100	11.0					,





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Project: 13491-SI

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Received: 03/19/2004 17:40

Prep(s): 3050B

Sample ID: S7-SURFACE

Matrix:

Sampled:

03/19/2004 09:30

Test(s):

6010B

Lab ID:

2004-03-0656 - 7

Extracted:

3/22/2004 06:43

QC Batch#: 2004/03/22-01.15

Compound	T			sociali esterostri all'istri (190		CONTRACTOR AND TOTAL
	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	130	1.0	mg/Kg	1.00	03/22/2004 20:52	riag
						

Submission #: 2004-03-0656



Total Lead

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Received: 03/19/2004 17:40

Prep(s): 3050B

Sample ID: S8-SURFACE

Sampled: 03/19/2004 09:33

Matrix: So

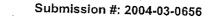
Test(s): 6010B

Lab ID: 2004-03-0656 - 8

Extracted: 3/22/2004.06:43

QC Batch#: 2004/03/22-01:15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag	
Lead	260	1.0	mg/Kg	1.00	03/22/2004 20:56		İ





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Project: 13491-SI

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ar all trace in Aligabeth (1967). In the trace of Proceedings for the same flavor of the contract of the contr	
e las de la cida sua la una al la la colla describación de la collaboración de la collaboración de la collabora	
1998 SANGA MENGANGKAN KANGGO SANGGO SANG	33E-95-5 CONVERTED BY SECOND ROPE SECOND SEC
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	DAICH IN ROBOTH
	Batch QC Report
(1) Fig. 12 May 20 By. 20 M. Application and Medical Conference on the Conference	
— 18 D. J. Charles and N. S. Charles and A. M. S. M. S. A. M. S. M. S. A	
Prep(s): 3050B	
Prenisionalis	
10P(3). 3000D	
*** TO A STORE THE T. T. T. T. T. T. A.	Test(s): 6010B
2017 E. J. J. P. S. L. P. L. T. F. P. W. E. SAN STATE TO SERVICE STATE AND AN ARCHITICAL STATE AND ARCHITICAL STATE ARCHITICAL STATE ARCHITICAL STATE ARCHITICAL STATE ARCHITICAL STATE ARCHITICAL STA	Control of the contro
Method Blank	
MEUIUU DIAIIK	Soil OC Peter #200 residence
- 100 t - 15 t - 14 1 A 1 1 t - 14 1 1 0000 1 0000 1 0000 1 1 1 1 1 1 1	Soil QC Batch # 2004/03/22-01.15
MH 2007/02/22 01/45 01/2	
MB: 2004/03/22-01:15-013	
	Date Extracted 03/22/2004 06 43

			A WILLIAM SERVICE CONTRACTOR		
Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	03/22/2004 18:43	- , lag





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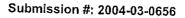
Phone: (818) 979-0010 Fax: (818) 979-0020

Project: 13491-SI

13491

Received: 03/19/2004 17:40

			Batch QC Re	port	直线资金	By A.				
Prep(s): 3050B									Fest(s):	6010B
Laboratory Control	Spike		Soil			Q.	C Batch	# 200	4/03/22	-01,15
LCS 2004/03/2	2-01.15-014		Extracted: (Extracted: (ACRES SECTION			Analyze Analyze			
LCSD 2004/03/2	2-01.15-017 Conc.	mg/Kg	Exp.Conc.		overy %	RPD				ags
Compound	LCS	LCSD	<u> </u>	LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Lead	97.7	97.8	100.0	97.7	97.8	0.1	80-120	20		<u> </u>





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Phone: (818) 979-0010 Fax: (818) 979-0020

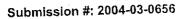
Project: 13491-SI

13491

Received: 03/19/2004 17:40

Samples Reported

Sample Name	Date Sampled	Matrix	Lab#
S1-SURFACE S2-SURFACE S3-SURFACE S4-SURFACE S5-SURFACE S6-SURFACE	03/19/2004 09:10 03/19/2004 09:15 03/19/2004 09:20 03/19/2004 09:23 03/19/2004 09:25 03/19/2004 09:28	Soil Soil Soil Soil Soil Soil	1 2 3 4 5
S7-SURFACE S8-SURFACE	03/19/2004 09:30 03/19/2004 09:33	Soil Soil	7 8





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13491

Received: 03/19/2004 17:40

Prep(s): 3550/8015M

Sample ID: S1-SURFACE

Sampled: 03/19/2004 09:10

Matrix:

8015M Test(s):

Lab ID:

2004-03-0656 - 1

Extracted!

3/23/2004 12:46

QG Batch#: 2004/03/23-03/10

\$200 Sept March Contract Contr						r=1
	Conc.	RL .	Unit	Dilution	Analyzed	Flag
Compound		10	mg/Kg	10.00	03/26/2004 10:46	ldr
Diesel Motor Oil	290 1900	500	mg/Kg		03/26/2004 10:46	
Surrogate(s)		.	0,	10.00	03/26/2004 10:46	sd
o-Terphenyl	NA	60-130	%		00,20,200	L



JMK Environmental

Attn.: Joseph Park

1030 North Maclay Avenue

San Fernando, CA 91340

Phone: (818) 979-0010 Fax: (818) 979-0020

Project: 13491-Si

13491

Received: 03/19/2004 17:40

Prep(s): 3550/8015M

Sample ID: S2-SURFACE

03/19/2004 09:15

Sampled: Matrix:

Soil

Test(s): 8015M

Lab ID:

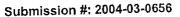
2004-03-0656 - 2

Extracted:

3/23/2004 12:46

QC Batch#; 2004/03/23-03:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Г1
Diesel Motor Oil	16 220	1.0 50	mg/Kg mg/Kg	1.00	03/25/2004 23:14 03/25/2004 23:14	
Surrogate(s) o-Terphenyl	92.4	60-130	%		03/25/2004 23:14	





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13491

Received: 03/19/2004 17:40

Prep(s): 3550/8015M

Test(s):

8015M

Sample ID: S3-SURFACE

Lab ID:

2004-03-0656 - 3

03/19/2004 09:20 Sampled:

Extracted:

3/23/2004 12:46

Soil Matrix:

QC Batch#; 2004/03/23-03:10

E ANDEL AND COMPANY TO SERVICE STATE OF THE PROPERTY OF THE PR	Conc.	TRL	Unit	Dilution	Analyzed	Flag
Compound Diesel Motor Oil	47 800	5.0 250	mg/Kg mg/Kg		03/26/2004 11:13 03/26/2004 11:13	
Surrogate(s) o-Terphenyl	NA NA	60-130	%	5.00	03/26/2004 11:13	sd



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Project: 13491-SI

13491

Received: 03/19/2004 17:40

Prep(s): 3550/8015M

Sample ID: S4-SURFACE

03/19/2004 09:23

Sampled: Matrix:

Soil

Test(s):

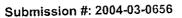
8015M

Lab ID: 2004-03-0656.- 4

Extracted: 3/23/2004 12:46

QC Batch#: 2004/03/23-03:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel Motor Oil Surrogate(s)	570 8500	20 1000	mg/Kg mg/Kg		03/25/2004 20:34 03/25/2004 20:34	ldr
o-Terphenyl	NA	60-130	%	20.00	03/25/2004 20:34	sd





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Received: 03/19/2004 17:40

3550/8015M Prep(s):

Sample ID: S5-SURFACE

03/19/2004 09:25 Sampled:

Matrix:

Soil

Analysis Flag: o (See Legend and Note Section)

8015M Test(s):

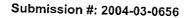
Lab ID:

2004-03-0656 - 5

Extracted: 3/23/2004 12:46

QC Batch#; 2004/03/23-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	34	10	mg/Kg		03/26/2004 00:33	
Motor Oil	830	500	mg/Kg	10.00	03/26/2004 00:33	
Surrogate(s)	NA	60-130	%	10.00	03/26/2004 00:33	sd





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Project: 13491-SI

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Received: 03/19/2004 17:40

Prep(s):

3550/8015M

Test(s):

8015M

Sample ID: S6-SURFACE

2004-03-0656 - 6

Sampled:

03/19/2004 09:28

Lab ID:

3/23/2004 12:46

Matrix:

Soil

Extracted:

QC Batch#: 2004/03/23-03:10

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	
Diesel Motor Oil Surrogate(s)	41 790	10 500	mg/Kg mg/Kg	10.00	03/26/2004 11:39 03/26/2004 11:39	
o-Terphenyl	NA NA	60-130	%	10.00	03/26/2004 11:39	sd



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Project: 13491-SI

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Received: 03/19/2004 17:40

3550/8015M Prep(s):

Sample ID: S7-SURFACE

Sampled: 03/19/2004 09:30

Matrix:

Soil

8015M Test(s):

Lab ID:

2004-03-0656 - 7

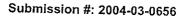
Extracted

3/23/2004 12:46

QC Batch#: 2004/03/23-03:10

Analysis Flag: o (See Legend and Note Section)

	Conc.	RL	Unit	Dilution	Analyzed	Flag	
Compound	250	20	mg/Kg	20.00	03/26/2004 12:06	ldr	
Diesel Motor Oil	3500	1000	mg/Kg	20.00	03/26/2004 12:06		
Surrogate(s) o-Terphenyl	NA .	60-130	%	20.00	03/26/2004 12:06	sd	





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Project: 13491-SI

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Received: 03/19/2004 17:40

Prep(s): 3550/8015M

Test(s):

8015M

Sample ID: S8-SURFACE

Lab ID:

2004-03-0656 - 8

Sampled:

03/19/2004 09:33

Extracted:

3/23/2004 12:46

Matrix:

Soil

QC Batch#: 2004/03/23-03:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel Motor Oil Surrogate(s)	190 1900	20 1000	mg/Kg mg/Kg	20.00	03/25/2004 23:40 03/25/2004 23:40	ldr
o-Terphenyl	NA	60-130	%	20.00	03/25/2004 23:40	sd



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San Fernando, CA 91340

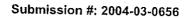
Phone: (818) 979-0010 Fax: (818) 979-0020

Project: 13491-SI

13491

Received: 03/19/2004 17:40

and the second s	Bato	h QC Report			
Prep(s): 3650/8015M Method Blank MB: 2004/03/23-03:10-001 ₁		Soil		Test(s); QC Batch # 2004/03/2 te Extracted; 03/23/200	3-03.1
2000年1月1日 - 1900年1月1日 - 1900年1日 - 1	Conc.	RL	Unit	Analyzed	Flag
Compound				00/02/0004 40:20	
Compound Diesel Motor Oil	ND ND	1 50	mg/Kg mg/Kg	03/23/2004 18:29 03/23/2004 18:29	





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Project: 13491-SI

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Received: 03/19/2004 17:40

	Batch QC Report	
Prep(s): 3550/8015M		NOTABLE OF SECURITIES OF THE S
F1ep(s), 3330/8015M	CARLON CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONT	Test(s): 8015M
Laboratory Control Spike	Company of the propagation of	
Laboratory Control Spike	Soil	QC Batch # 2004/03/23-03.10
LCS 2004/03/23-03.10-002	Extracted: 03/23/2004	Analyzed: 03/23/2004 16:42
LCSD 2004/03/23-03.10-003	Extracted: 03/23/2004	Analyzed: 03/23/2004 18.02

Compound	Conc.	mg/Kg	Exp.Conc. Recovery %		Recovery %		Recovery % RPD		RPD Ctrl.Limits %		Fi	Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD			
Diesel Surrogates(s)	31.8	33.8	41.3	77.0	81.4	5.6	60-130	25		2000			
o-Terphenyl	16.3	17.2	20.0	81.5	86.0		60-130	0					

Submission #: 2004-03-0656



Total Extractable Petroleum Hydrocarbons (TEPH)

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San Fernando, CA 91340

Phone: (818) 979-0010 Fax: (818) 979-0020

Project: 13491-SI

13491

Received: 03/19/2004 17:40

Legend and Notes

Analysis Flag

o

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

ldr

Hydrocarbon reported is in the late Diesel range, and does not match our Diesel standard

sd

Surrogate recovery not reportable due to required dilution.

03/30/2004 09:56

SITE PLOT PLAN

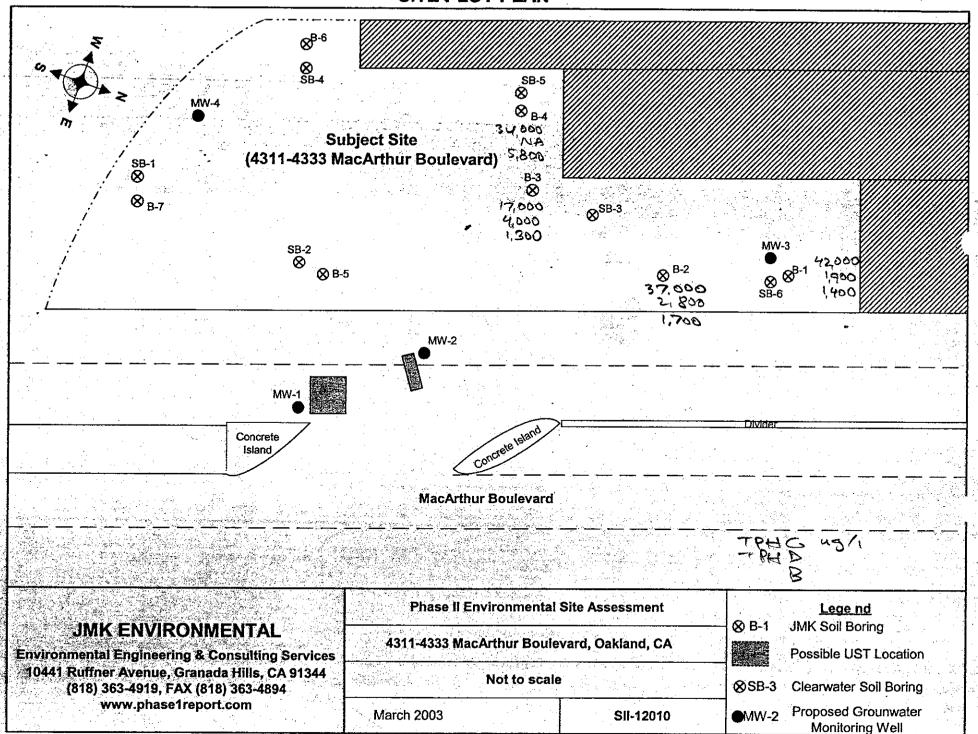


TABLE 1 SOIL ANALYTICAL DATA 4311-4333 MACARTHUR BOULEVARD OAKLAND, CA

SOIL SAMPLE LD.	SAMPLE DATE	SAMPLE DEPTH (feet bgs)	LEAD mg/kg	TPH-ho mg/kg EPA 8015M	TPHd mg/kg EPA 8015M	TPHg mg/kg EPA 8015M	BENZENE mg/kg EPA 8020	ETHYL- BENZENE mg/kg EPA 8020	TOLUENE mg/kg EPA 8020	TOTAL XYLENES mg/kg EPA 8020	MTBI
							and the second	22770020	E1 A 8020	EFA 8020	EPA 80
B-1-11	03/14/03	11	6.0	ND	9.7	120	0.54	2.5	4.6	ND	\TD
	-		t e e						4.0		ND
B-1-21	03/14/03	21	6.0	ND	1.5	ND	ND	ND	ND	ND	ND
70.00					1.00	1.4.5			- 100	ND	UD
B-2-11	03/14/03	11	3.7	ND	17	120	0.53	2.3	3.4	3.7)III)
70.00	2 - 2									3./	ND
B-2-21	03/14/03	21	6.6	ND	ND	ND	ND	ND	ND	ND	ND
D 2 2 7 7								4 terr		— ND —	IND
B-3-15.5	03/14/03	15.5	4.8	ND	ND	ND	ND	ND	ND	ND	ND
D 7 00 C	2010112						7			- 100	ND
B-3-20.5	03/14/03	20.5	5.0	ND	ND	ND	ND	ND	ND	ND	ND
B 4 10 6	00/04/00										ND
B-4-10.5	03/14/03	10.5	3.0	15	12	49	0.38	1.1	1.9	6.6	ND
B-4-20.5	02/14/02										1117
D-4-20.3	03/14/03	20.5	6.6	ND	ND	ND	ND	ND	ND	ND	ND
B-5-11	03/15/03	 +									
D-0-11	03/13/03	11	5.6	ND	ND	ND	ND	ND	ND	ND	ND
B-5-21	03/15/03									 	
10-3-21	03/13/03	21	4.6	ND	ND ND	ND_	ND	ND	ND	ND	ND
B-6-11	03/14/03										
D-0-11	03/14/03	11	6.8	ND	1.4	ND	ND	ND	ND	ND	ND
B-6-20.5	03/14/03	20.5									
2 3-20.0	03/14/03	20.3	8.9	ND	1.9	ND	ND	ND	ND	ND	ND
B-7-10	03/15/03	-10									
25-15-10	03/13/03	10	7.3	ND	ND	ND	ND	ND	ND	ND	ND
B-7-19.5	03/15/03	10.6									
B-7-19.3	03/13/03	19.5	6.3	ND	ND	ND	ND	ND	ND	ND	ND
											110

Notes:

bgs = Below ground surface

IPHG = Gasoline range petroleum hydrocarbons
IPHd = Diesel range petroleum hydrocarbons
IPH-ho = Hydraulic oil range petroleum hydrocarbons

MIBE = Methyl tertiary buryl ether

mg/kg = Milligrams per kilogram ND = Non detect

TPH-ho anaylzed in accordance with EPA Method 8015M.

Lead analyzed in accordance with EPA Method 6010B.

TPHg and TPHd analyzed in accordance with EPA Method 8015M.

Benzene, toluene, ethylbenzene, total xylenes, and MTBE analyzed in accordance with EPA Method 8020.

	gged B				C	anaan Cr			Sample Me	thod;	Ace	tate Liners
	Start					3/14/03			Depth to W	ater:		~7'
Drilling						rice Envir			Total Dep	oth:		21'
rilling Met					Geo	probe/Ge	<u> </u>		Boring Dian	neter:		1.25
orehole L	ocation	/Num	ber:			See Plot	Plan *	·				
Remark	:											
epth(ft)	Sample #	Sample Interval	Recovery	OVA (ppm)	Blows	usgs	Symbol	(soil cl	assification, co	ic Description lor, moisture, sticity, other)	density, grain	Well/Boring Completion
\neg $^{\circ}$ [· 42/(000)		3" C	oncrete		Concre
4				·		N.						
5	S1	X	100	0.0	•	SM		d red oxida	Sand, Brown (ation, trace clay pangular sand,	, some medit	lamp, fine sand, um and coarse on odor.	
10	S2	V	100	100	_	ML		fine	dy silt, light yell sand, red oxid cipitation, some subangular, fai	ation, black la medium to c	coarse sand,	
			%			SM		damp fine	to coarse san oxidation, fain	d, fine gravel t hydrocarbor		Philogateti Benjeriji Shios
15	S3	X	75 %	0.0		ML		damp, fin mo	e sand, modera derate plasticity	ate toughnes: y, no hydroca	7615 3 - 130 J. 19 J. 15 P. 15	
	:					SM		dam	y sand, light yel p, fine to coars ided, some fine clay, no hyd	e sand, suba	ngular to * gravel, trace	
20	S4	X	100 %	0.0		GM		to anou	arse sand, fine ılar, metamorpi	to medium gi	0YR 5/6), moist; ravel, subangular d oxidation, no	
		:										
7		1			.			•				
25	: [.	.	ľ							
			·			,	-	•				
-				ļ								
_						ļ						
_ 30 l				.		:	1.		•			
$\dashv \mid$	- 4	,		<u> </u>								상 기계 : 기 및 기 기 : 기 : 기 : 기 : 기 : 기 : 기 : 기 :
-	·							* .		•		
-	.											
\dashv												
- 35			.					* -				
					•							
JMK	ENV	RON	IMEN	ITAL S	OLUT	IONS IN	ic.		Log of E	orehole	B-1 (Sheet	1 of 1)

	gged E		l		C	anaan Cro	ouch		Sample Method:	Ac	etate Liners
	Start					3/14/03	<u> </u>		Depth to Water:		~7'
Drilling					Tom F	rice Envir	onmental		Total Depth:		21'
Orilling Me					Geo	probe/Ge	oprobe		Boring Diameter:		
orehole L	ocation	/Num	ber:			See Plot	Plan				1.25
Remark	:				1,		•				
Depth(ft)	Sample #	Sample Interval	Recovery	OVA (ppm)	Blows	USGS	Symbol	(soil cl	Lithologic Desc assification, color, moi size/plasticity,	sture, density, grain	Well/Boring Completion
\neg $^{\circ}$ $ $					' 		ull'illin	\$	3" Concrete		Concre
5	S1	X	100 %	5	-	sc		tine and co subangula odor.	ey sand, yellowish bro oarse sand, fine to me ir, red oxidation, black enish Gray (5GY 6/1).	wn (10YR 5/6), damp,	
10	S2		100 %	200		sw		/ (sw) v	Vell graded sand, pale coarse sand, subangu strong hydrocarbo	lar to subrounded.	
						ML.		(ML) Sandy (10YR 5/8)	y silt, pale olive (5Y 6/s) layers, fine sand, stro	3) and yellowish brown ong hydrocarbon odor	HVG abeg Berkenik
15	S3	X	100	5		• sc		yellowish b	y sand, greenish gray rown (10YR 5/8) layer pitate, no hydrocarbon	s, fine sand, some slit	
20	S4 ,	X	100	5		GM		oxidation, v	gravel, greenish gray white precipitate, fine t avel, subangular to an	O coarse sand fine to	
25	•										
30				•							
						-					
35											
JMK	ENVI	RON	MEN	TAL S	OLUTI	ONS IN	c.		Log of Boreh	ole B-2 (Sheet	1 of 1)*
Enviro	nmen	al En	ginee	ring & C	onsulti	ng Service CA 91344	es T	/311	-4333 MacArth		

						4[] -		· .				•
	and D		~ 					ORATO	DRY BORING		·	
	ged B Start/	<u> </u>			C	anaan Cr			Sample Method:		Aceta	e Liners
Drilling								·	Depth to Water:			~7'
Drilling Mel			ent:		Tom Price Environmental Geoprobe/Geoprobe			Total Depth: Boring Diameter:				20.5'
orehole L				·		See Plot			Donning Diameter.			1.25
Remark							٠.					
epth(ft)	Sample #	Sample Interval	Recovery	OVA (ppm)	Blows	usgs	Symbol	(soil cl	Lithologic Des assification, color, mo size/plasticity,	isture, density, g	grain	Well/Boring Completion
一 ° l				<u> </u>					2" Asphalt			Concre
5	S 1	X	100 %	5		ML		moderate faint hydro (SM) Silty	dark greenish gray (5 toughness, moderate carbon odor. Sand, dark greenish oxidation, fine sand,	dilatency, low p		
10	S2	X	0%	150		SM CL		some coa odor. (CL) Sand damp, fine	y lean clay, light brow sand, high plasticity, no hydrocarbon odd	nish gray (2.5Y	on 	Hydrotech Benich Chips
15	S 3	X	75 %	0.0		S M		(SM) Silty to medium hydrocarbo	sand, yellowish brow sand, some coarse s on odor.	n (10YR 5/8), da sand, subangula	mp, fin	
20	S4	X	75 %	0.0		GM		damp, fine	gravel, dark yellowis to coarse sand, fine r to angular, no hydro	to medium grav	1/6), el,	
	.*		Andrew Andrews									
25				•								
30												
35												
		377		,,		<u> </u>			1			
						TIONS I			Log of Bore			
104	41 Rul	iner A	Venu	e. Gran	ada Hills	ting Serv s, CA 913	44	431	1-4333 MacAr	thur Boule	/ard _i (Dakland, CA
818) 363	4919.	FAX (818) 3	63-4894	a.www	hase1rep	ort.com	8 1 X 2 1 2 2	3/14/03	NAME OF	P CII	-12010

Lo:	gged E	<u>y:</u>	'		C	anaan Cr	ouch		Sample Method:	Acc	etate Liners	
Boring Start/End: 3/14/03						3/14/03	1		Depth to Water:	700	~7'	
Drilling Contractor: Tom Price Environmental						rice Envir	onmental		Total Depth:		20.5'	
Orilling Method/Equipment: Geoprobe/Geoprobe						probe/Ge	oprobe		Boring Diameter:			
orehole L	ocation	ı/Num	ber:			See Plot		1.25				
Remark					1 .		-					
Pepth(ft)	Sample #	Sample Interval	Recovery	OVA (ppm)	Blows	USGS	Symbol	(soil cl	Well/Boring Completion			
70		1	 [size/plasticity, c		Concret	
7									3 Concrete		Concret	
								(CL) Sand				
7 1						CL		Acce) Sand	y lean clay, brown (10) no dilatency, moderate	(R 5/3), damp, high	XIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
\dashv		7	100			Ų.		no hydroc	arbon odor.	tougimess, ille sand	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	
─	S1	ΙX	%	30	-			(00) 01-				
		\vdash						with black	ey sand with gravel, bro staining, damp, fine to	own (10YR 5/3)		
-					7.4	sç		gravel, sui	pangular to angular, no	hydrocarbon		
4								odor.				
-		<u> </u>				SM		(SM) Silty	sand, greenish gray (10	OGY 5/1) with black		
10	S2	$ \mathcal{N} $	75	300	_	•		hydrocarbo	et, fine to coarse sand	subangular, strong		
_		$\angle \lambda$	%	2			IIIIIIIII.	4.	y sand, brown (10YR)	(3) with areas	133,350,000,000	
_								staining, m	loist, fine to coarse san	d. subangular to		
			.					subrounde	d, fine gravel, moderate	e odor.		
7		·		NES		SC						
	_	abla	25	27.								
15	S 3	XI	%	20	_			@15'-Sam	e as above			
		\leftarrow										
-												
			-, }							7 7		
	S4	()				_,,		(GM) Silty	gravel, yellowish brown	1 (10YR 5/6), damp		
- 20	i	Χŀ	75	5	_	GM		tine to coa	rse sand, fine to mediu no hydrocarbon odor.	m gravel, subangular		
		$\angle \lambda$	%	<i>i</i> • 1		· ħ		to angular,	no nydrocarbon oddi,			
4			3.									
-					. 1							
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	!		· · .]			: • [3594		
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7						·						
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-							-				" 那是我们的人	
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-			1 2	•								
18.60		, 							log of David			
JMK	⊏NVI	KON	IME	ITAL S	OLUT	IONS IN	IC.	-	Log of Boreho	ole B-4 (Sheet	1 of 1)	

 $t \not \in$

	Logged By: Boring Start/End:	Canaan Crouc 3/15/03	h	Sample Method:	Acetate	
	Drilling Contractor:	Tom Price Environr	mental	Depth to Water:	~	
	Drilling Method/Equipment:	Geoprobe/Geopro		Total Depth:	2	
	Borehole Location/Number:	See Plot Pla		Boring Diameter:	1,2	25
	Remark:		·	<u> </u>		
	Sample # Interval	OVA Blows USGS	Sumbol	Lithologic Description		
	Sam Sam Rec	(ppm) Blows USGS	Symbol (soil c	lassification, color, moisture size/plasticity, other	, density, grain)	Well/Boring Completion
				2" Asphalt		Conc
.						
	5 51 50		(ML) Silty	, greenish black (GY 2.5/1), low plasticity, low toughnes	wet, rapid	
[5 S1 S0 %	0.0 - ML	hydrocart	on odor.	a _l taint	
	7 1. 1	-				
f	7			 .		
ļ	10 82 100	1 <u>,</u>	(SM) Silty	sand, yellowish brown (10)	'R 5/6) with	
1	10 S2 X 100 %	0.0 - SM	odor.	ning, damp, fine sand, no hy	rarocarbon	
. [/////JJJ
	7					
	15 83 100					
	15 S3 X 100 %	0.0 SM	@15'-San	ne as above, some medium ir to subrounded.	and coarse sand	
			- Javangula	ii io suviyullucu.		
. [20 \$4					
		`0.0 - SM	@15'-Sam	ne as above, some fine suba	ingular gravel.	
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. [1.			
	25					
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- -			·			
	JMK ENVIRONME	NTAL SOLUTIONS INC.		Log of Borehole	B-5 (Sheet 1 c	(4)
	10441 Ruffner Aven	eering & Consulting Services ue, Granada Hills, CA 91344		1-4333 MacArthur	Boulevard, Oa	kland, CA
	(818) 363-4919, FAX (818)	363-4894 www.phase1report.	com	3/15/03	SII-12	
10 To 1	The second second				1 41114	

Black Black Black

Logged By: Canaan Crouch								Sample Method:	etate Liners			
Boring Start/End: 3/14/03								Depth to Water:		~7'		
Drilling Contractor: Tom Price Environmental								Total Depth:	21'			
rilling Method/Equipment: Geoprobe/Geoprobe prehole Location/Number: See Plot Plan						<u> </u>		Boring Diameter:		1.25		
Meliole FC	cation	Mumbe	r.		See Plot	Plan *						
Remark:	#	In -1 8	<u>- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1</u>									
Re lat & Sa				Symbol	(soil cla	Lithologic Descripti assification, color, moistur size/plasticity, othe	e, density, grain	Well/Boring Completion				
$\operatorname{\mathbb{k}}$			<u> </u>					3" Concrete		Concrete		
4							<u> </u>					
-												
-		K 1,	00		.		(SC) Claye	ey sand, pale yellow (5Y 7 nd, fine gravel, subanular	/3), damp, fine to			
5	S1		6 O.	0 -	sc		oxidation,	no hydrocarbon odor.	w angular, red			
_												
-1.1]		(CL) Lean	clay, very dark greenish g ne coarse subangular san	ray (5GY 3/1),			
10	S2		0.0 O) -	CL		high tough	ness, no dilatency, faint h	ydrocarbon odor.			
-	: .	/ } 								(///////Constitution		
]							1 — —					
]		1					(GM) Silly	gravel, yellowish brown (INVP E/E/			
15	S3	\ 5	0.	, .	GM		fine to coa	rse sand, fine gravel, sub	angular to angular			
-		<u>^</u> 9	6 - * * * * * * * * * * * * * * * * * *				no hydroca	arbon odor.				
4												
⊢ -		· .										
ا م			20									
20	S4	$\sum_{i=1}^{n} \frac{1}{2}$	0.0 %). -	GM		@15'-Sam	e as above.				
↓	. [,							<i>*************************************</i>		
4		$\int_{\mathbb{R}^n} x \int_{\mathbb{R}^n} \frac{f}{h}$	ij l	્. િશ	1. 1							
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JMK	ENVI	RONN	ENTA	L SOLU	TIONS IN	ic.	404	Log of Borehole	B-6 (Sheet	1.o(1)		
1044	1 Ruff	ner Ave	nue. Gr	anada Hil	S CA 9134	4 · L	4311	l-4333 MacArthui	Boulevard	Oakland CA		
8) 363-4	919, F	AX (818	363-48	194 www.	phase1repo	ort.com		3/14/03	CONTRACT TO SERVICE AND ADDRESS OF THE PARTY	li-12010 #		

LOG OF EXPLORATORY BORING Logged By: Canaan Crouch Sample Method: Acetate Liners Boring Start/End: 3/15/03 Depth to Water: ~7' **Drilling Contractor:** Tom Price Environmental Total Depth: 19.5 **Drilling Method/Equipment:** Geoprobe/Geoprobe Boring Diameter: 1.25 Borehole Location/Number: See Plot Plan Remark: Lithologic Description OVA Depth(ft) Well/Boring Blows USGS Symbol (soil classification, color, moisture, density, grain (ppm) Completion size/plasticity, other) 0 2" Asphalt (SP) Poorly graded sand, light olive brown (2.5Y 5/4), 25 S1 damp, fine sand, 10% silt, no hydrocarbon odor. 0.0 SP (SC) Clayey sand, black (5Y 2.5/1), wet, fine sand, silt, some coarse subrounded sand, rootlets, red oxidation 50 SC 10 S2 0.0 along rootlets. (SM) Silty sand with gravel, dark yellowish brown (10YR 4/4) with black staining, wet, fine to coarse 100 SM S3 sand, fine gravel, subangular to subrounded, some red 0.0 oxidation, no hydrocarbon odor. (GM) Silty gravel, light olive brown, (2.5Y.5/4), wet, fine to coarse sand, fine to medium gravel, subangluar to **GM** angular, no hydrocarbon odor. 0.0 **S4** 25 30 35 Log of Borehole B-7 (Sheet 1 of 1) JMK ENVIRONMENTAL SOLUTIONS INC. **Environmental Engineering & Consulting Services** 4311-4333 MacArthur Boulevard, Oakland, CA 10441 Ruffner Avenue, Granada Hills, CA 91344 (818) 363-4919, FAX (818) 363-4894 www.phase1report.com 3/15/03

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Table 1 Year 2000 Grab Groundwater Analytical Results 4311-4339 MacArthur Boulevard, Oakland, California (a)

Sample I.D.	ТРН	TPHd	TPHmo	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE
SB-I	<50	210	<676	<0.5	< 0.5	<0.5	<0.5	<5
SB-2	<50.	340	<1,250	< 0.5	<0.5	<0.5	<0.5	ं< 5
SB-3	<50	380	580	<0.5	2.5	0.79	4.4	<5
SB-4	4,600	12,000	46,000	-<5	<5	13	100	<50
SB-5	<50	390	<250	<0.5	<0.5	<0.5	<0.5	<5
SB-6	13,000	14,000	<1,250	410	1,400	420	2,900	<50
RBSLs	100	100	100	1	40	30	13	. 5
Drinking Water Standards		None Published	None Published	1(6)	40 ^(c)	30 ^(c)	20 ^(c)	5 ^(c)

All samples were analyzed for HVOCs; no HVOCs were detected.

Sample concentrations in hold are in excess of the RBSL and/or the drinking water standard, or the method reporting limit is above those criteria.

RBSLs = RWQCB Risk-Based Screening Levels

TPHg = Total petroleum hydrocarbons - gasoline range TPHd = Total petroleum hydrocarbons - diesel range

TPHmo = Total petroleum hydrocarbons - motor oil range

⁽a) All concentrations are in µg/L, equivalent to parts per billion.

⁽MCL).

⁽c) California Secondary MCL - proposed.

TABLE 2 GROUNDWATER ANALYTICAL DATA 4311-4333 MACARTHUR BOULEVARD OAKLAND, CA

SAN	MPLE .D.	SAMPLE DATE	Tufar.	TPHd ug/L EPA 8015M	TPHg ug/L EPA 8015M	BENZENE ug/L EPA 8020	ETHYL- ENZENE ug/L EPA 8020	TOLUENE ug/L EPA 8020	TOTAL XYLENES ug/L EPA 8020	MTBE ug/L EPA 8020
1 -	3-1	03/14/03	0.40	1900	42000	1400	1600	6600	8500	ND
<u> </u>										
<u> </u>	3-2	03/14/03	0.58	2800	37000	1700	1200	5800	7100	ND
<u> </u>	3-3	03/14/03	0.21	4000	17000	1300	6000	3000	3000	ND
!									-	
<u> </u>	3-4	03/15/03	NA	NA	34000	5800_	920	3300	4800	ND
1						100		1.6.51		
E	-6	03/15/03	NA NA	NA NA	ND	1.2	0.71	5.0	4.1	ND .
<u></u>						<u> </u>				
B	-7	03/15/03	1.2	290	ND	ND	ND	0.53	ND	ND
<u></u>										

Notes:

bgs = Below ground surface

TPHg = Gasoline range petroleum hydrocarbons

TPHd = Diesel range petroleum hydrocarbons

MTBE = Methyl tertiary butyl ether

mg/L = Milligrams per Liter

ug/L = Micrograms per Liter

ND = Non detect

NA = Non analyzed

Lead anayized in accordance with EPA Method 6010B.

TPHg and TPHd analyzed in accordance with EPA Method 8015M.

Benzene, toluene, ethylbenzene, total xylenes, and MTBE analyzed in accordance with EPA Method 8020.

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SHCERVIRORMENTAL SOCIALITIONS, INC.

