

**LIMITED PHASE II
ENVIRONMENTAL SITE ASSESSMENT**

**PREPARED FOR:
CITY OF GARDEN GROVE,
AS SUCCESSOR AGENCY TO THE GARDEN GROVE AGENCY FOR
COMMUNITY DEVELOPMENT**

**PROPERTY LOCATION:
HARBOR BOULEVARD SITE – WATER PARK
12581, 12591, 12625 AND 12721 HARBOR BOULEVARD
12601 AND 12602 LEDA LANE
GARDEN GROVE, CALIFORNIA 92840**

DATE: DECEMBER 2012



PHASE ONE INC.

THE NATIONWIDE ENVIRONMENTAL SPECIALISTS

"Setting the Due Diligence Industry Standard"

PHASE ONE INC.

ENVIRONMENTAL ASSESSMENT SPECIALISTS

December 4, 2012

Carlos Marquez
City of Garden Grove
As Successor Agency to the Garden Grove Agency for Community Development
11222 Acacia Parkway, 3rd Floor
Garden Grove, California 92840

RE: *PHASE ONE INC. Project No. 7352*
Limited Phase II Environmental Site Assessment (ESA)
Subject Site Location: Harbor Boulevard Site – Water Park
12581, 12591, 12625, 12721 Harbor Boulevard
12601, 12602 Leda Lane, Garden Grove, California 92840

Dear Mr. Marquez:

Enclosed is the Limited Phase II ESA Report completed by *PHASE ONE INC.* for the site referenced above (See Figure 1, *Site Location Map*). The Limited Phase II ESA was undertaken at your request, in accordance with *PHASE ONE INC.*'s *Standard Terms and Conditions* and as outlined in *PHASE ONE INC.*'s *Letters of Intent/Authorization* for Project N^o7352.

The findings and conclusions of this investigation are based upon the observations of *PHASE ONE INC.*'s field personnel and the soil sampling analytical results reported by the contracted analytical laboratory. Our conclusions regarding the investigation are summarized in the final section of this report, *Section 5.0 Conclusions and Recommendations*.

Please do not hesitate to contact us should you have any questions regarding this report, or if we can be of additional assistance.

Sincerely,



Eric Kieselbach
President

Enclosures

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12581, 12591, 12625 AND 12721 HARBOR BOULEVARD
12601 AND 12602 LEDA LANE
GARDEN GROVE, CALIFORNIA 92840**

PROJECT NO. 7352

BY

PHASE ONE INC.
23282 MILLCREEK DRIVE, SUITE 160
LAGUNA HILLS, CA 92653
(800) 524-8877

THIS REPORT WAS PREPARED FOR THE SOLE USE AND BENEFIT OF OUR CLIENT, GARDEN GROVE AGENCY FOR COMMUNITY DEVELOPMENT, AND IS BASED, IN PART, UPON DOCUMENTS, WRITINGS, AND INFORMATION OWNED AND POSSESSED BY OUR CLIENT. NEITHER THIS REPORT, NOR ANY OF THE INFORMATION CONTAINED HEREIN, SHALL BE USED OR RELIED UPON FOR ANY PURPOSE BY ANY PERSON OR ENTITY OTHER THAN OUR CLIENT. ALL STANDARD TERMS, CONDITIONS, AND LIMITATIONS BY *PHASE ONE* INC. APPLY AT ALL TIMES AND FOR THIS REPORT AND ALL REPORTS ISSUED BY *PHASE ONE* INC.

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1.0 BACKGROUND INFORMATION

This report presents the results of the Limited Phase II ESA conducted by **PHASE ONE INC.** at the Harbor Boulevard Site – Water Park, 12581, 12591, 12625, and 12721 Harbor Boulevard, 12601 and 12602 Leda Lane, Garden Grove, California 92840 (See **Figure 1, Site Location Map**). This Limited Phase II ESA was undertaken at the request of Carlos Marquez, City of Garden Grove, As Successor Agency to the Garden Grove Agency for Community Development, in accordance with **PHASE ONE INC.’s Standard Terms and Conditions**, as outlined in **PHASE ONE INC.’s Letter of Intent/Authorization** for Project N^o 7352.

At the time of this assessment, the site specifics are as follows:

- **Address:** Harbor Boulevard Site – Water Park
12581, 12591, 12625, and 12721 Harbor Boulevard
12601 and 12602 Leda Lane
Garden Grove, CA 92840
- **Acres:** 17 acres
- **Improvements:** Vacant Land
- **Current Site Use:** Vacant Land
- **Proposed Site Use:** Water Park and Hotel
- **Site Contact:** Carlos Marquez, City of Garden Grove Agency for Community Development

The proposed field investigation, soil sample locations, and analyses were determined based on the conclusions and recommendations included in **PHASE ONE INC.’s** Phase I Environmental Site Assessment Report, Project No. 7282, dated June 27, 2012. The conclusions and recommendation of the Phase I ESA are as follows:

ITEMS OF RECOGNIZED ENVIRONMENTAL CONDITION

Condition #	Location Description	Description of Recognized Environmental Condition	Level of Condition
1	Nearby Site (12502 Harbor Blvd.)	<p>DESCRIPTION OF CONDITION: This nearby site, a gas station, is identified in the environmental records search document. It has been reported as having an environmental conditions associated with it that has lead to the contamination of the area groundwater. The possibility exists that groundwater contamination generated by this nearby site extends beneath the subject property.</p> <p>ACTION SUGGESTED: No action is suggested or recommended at this time. It does not appear that groundwater contamination constitutes a health hazard to the site's occupants unless the occupants have or will come into contact with the groundwater. Only subsurface sampling can determine whether the groundwater beneath the site has been impacted by off-site sources</p>	REC*

REC=Recognized Environmental Condition

2.0 PROPOSED FIELD INVESTIGATION

Drill **one (1)** boring to a maximum depth of **thirty five (35)** feet below ground surface (bgs). Soil and water samples will be collected. Sample collection, analysis, and boring depths are as follows

Area	Northeast Corner of Lot
# of Borings	1
Depth of Borings (feet)	35
Soil Sample Depths (feet)	Every 5' bgs
# of Soil & Water Samples	9 (includes Duplicate Water Sample)
Analysis	EPA 8260B for VOCs EPA 8270C for SVOCs EPA 7420 Lead & EPA 8021B TPH, BTEX, MTBE on all Water samples; Hold soil samples.

Up to two (2) water samples will be collected and may be analyzed in accordance with one or more of the following analysis: United States Environmental Protection Agency (EPA) EPA 8260B for VOCs, EPA 8270C for SVOCs and EPA 8021B TPH BTEX and lead.

The temporary well installation will use a direct push drilling rig; this technique will increase the assurance that the temporary well will be completed and straight. The well will be completed in 1-inch PVC casing to a depth of approximately 35 feet bgs. The 1-inch diameter, sch. 40 PVC casing will be installed as follows: 15 feet of screened casing and 20 feet of blank casing. The well will be completed using a sand pack around the well casing, sealing the screened section, and the sealing of the overlying boring annulus, per California Department of Water Resources requirements. The well will be sparged and bailed prior to the placement of the seals. The surface of the well will remain the native soil as the well casing will be removed after sampling.

The groundwater will be sampled using a 3/4-inch Teflon bailer. The well will be purged prior to sampling; the purged water will be placed in 55 drums for storage, if necessary, until the condition of the groundwater can be assessed. Groundwater samples collected will be analyzed.

If contamination is encountered, the water may require proper storage, transport and disposal. This cost is extra.

All samples submitted for analysis will be chemically analyzed at a state certified chemical laboratory.

All borings/probes will be backfilled with cuttings, bentonite or as local jurisdictions require; holes in the surface will be repaved with concrete/asphalt.

3.0 ACTUAL FIELD INVESTIGATION

On October 30, 2012, **PHASE ONE INC.** completed one direct push soil boring at the subject site. The soil boring was identified as GP-1. The locations of the soil borings are shown on **Figure 2, Site Plan**. Details of the actual soil borings are as follows:

BORING DETAILS

Boring ID#	Total Depth (FT)	Sample Depths (FT)	Analyses Run	Location Description (See Figure 2, Site Plan)
GP-1	35	5, 10, 15, 20, 15, 30, 35, Water	EPA 8260B (VOCs & Oxygenates) EPA 8021B (BTEX & MTBE) EPA7420-Pb EPA 8270-C (SVOCs)	Northeast Corner of Lot
TOTAL SAMPLES	9			

For the investigated areas and the soil boring locations, see **Figure 2, Site Plan**. All soil samples were collected following the sampling protocol included in **Appendix A, Sampling Protocol**.

The proposed Scope of Work detailed in Section 2.0 was not completed as outlined. The following are the deviations from the original Scope of Work:

- One soil sample 7352-GP-1-30 was analyzed for EPA 8260B VOCs (BTEX & MTBE).
- Two (2) additional water samples were analyzed (filtered and unfiltered) for Pb (lead).

4.0 FIELD INVESTIGATION RESULTS

4.1 Subsurface Conditions Encountered

The soils encountered at the subject site within the maximum explored depth of 35 feet below ground surface (bgs) consisted of fine grained silty sand to small interspersed gravels with depth. Groundwater was encountered in the soil boring. The field personnel did not notice any unusual odors emanating from the soil samples. No other unusual conditions were noted during the field work.

4.2 Analytical Results

Copies of the final analytical reports are included in **Appendix C, Analytical Laboratory Reports**. The principal findings of the analysis of the soil samples are presented in the table below. The table below titled "Summary of Analytical Results" comments on the results of the entire EPA analysis method. All the results of all the chemicals identified above Non-Detect (ND) are compared with their respective regulatory screening levels, (when applicable) such as the *United States Environmental Regional Screening Levels* (USEPA RSLs) or other applicable regulatory-designated levels.

SUMMARY OF ANALYTICAL RESULTS

Soil Sample Collected October 30, 2012

Sample ID#	EPA 8260B (VOCs & Oxygenates)	EPA 6010B (Lead)	Pertinent Screening Levels RWQCB ESL's
Reporting Unit	mg/kg (PPM)	mg/kg (PPM)	mg/kg (PPM)
7352-GP-1-30	ND	0.66 Lead	750.0 Lead

ND Non-Detect
 RWQCB ESL's Regional Water Quality Control Board Environmental Screening Levels
 mg/kg milligrams per kilogram
 PPM Parts Per Million

SUMMARY OF ANALYTICAL RESULTS

Water Samples Non-Filtered Collected October 30, 2012

Sample ID#	EPA 8260B (VOCs & Oxygenates)	EPA 8270C (SVOCs)	EPA 6010B Lead	Pertinent Screening Levels RWQCB ESL's
Reporting Unit	ug/L (PPB)	mg/L (PPM)	mg/L (PPM)	
7352-GP-1-A	ND	ND	0.314 Lead	N/A (No levels for Non-Filtered Water)
7352-GP-1-B	ND	N/A	0.27 Lead	N/A (No levels for Non-Filtered Water)

ND Non-Detect
 RWQCB ESL's Regional Water Quality Control Board Environmental Screening Levels
 mg/kg milligrams per kilogram
 ug/L micrograms per liter
 PPB Parts Per Billion
 PPM Parts Per Million

SUMMARY OF ANALYTICAL RESULTS
Water Samples, Filtered Collected October 30, 2012
Second Analysis

Sample ID#	EPA 6010B Lead	Pertinent Screening Levels RWQCB ESL's
Reporting Unit	ug/L (PPB)	ug/L (PPB)
7352-GP-1-A	13.9	15.0
7352-GP-1-B	ND	N/A

ND Non-Detect
RWQCB ESL's Regional Water Quality Control Board Environmental Screening Levels
ug/L micrograms per liter
PPB Parts Per Billion

5.0 CONCLUSIONS AND RECOMMENDATIONS

The principal findings of *PHASE ONE INC.*'s Limited Phase II ESA for all the areas sampled are as follows:

- No levels of VOCs (USEPA Method 8260B) or SVOCs (EPA Method 8270C) were detected that are a concern or exceed their respective reporting limits and/or any identified action levels. Further sampling for VOCs or SVOCs is not recommended.
- No levels of Pb (lead) (USEPA Method 6010B) were detected that are a concern or exceed their respective reporting limits and/or any identified action level. Further sampling for Pb (lead) is not recommended.

Based on the soil and water sample results presented in this report, *PHASE ONE INC.* does not find evidence of significant contamination. Therefore, the previous off-site fuel contamination does not appear to have significantly impacted the site and further investigation is not recommended. Since one of the filtered water samples was near the maximum contaminant level (MCL) for drinking water, any significant groundwater use and/or dewatering of the subject site should include periodic Pb (lead) sampling. This will insure that the groundwater use and/or dewatering activities have not caused a rise in the on-site contaminate Pb (lead) levels from the drawdown zone pulling from the nearby fuel contaminated site.

PHASE ONE INC. attempted to assess the most likely potential sources of contamination; however, it is not possible or feasible to sample all the possible locations where impact from the previous land and/or site use may have occurred. Specific areas of impact may have escaped detection due to:

- 1) Unknown areas where releases or spills may have occurred,
- 2) Unknown areas of chemicals storage and handling,
- 3) Difficulty in accessing suspect locations, or
- 4) The limited extent of the assessments performed.

6.0 LIMITATIONS

To achieve the study objectives stated in this report, we were required to base *PHASE ONE INC.*'s conclusions and recommendations on the best information available during the period the investigation was conducted and within the limits prescribed by *PHASE ONE INC.*'s client in the contract/authorization agreement and standard terms and conditions.

PHASE ONE INC.'s professional services were performed using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar fields. The findings were mainly based upon examination of historic records, governmental agencies lists, and laboratory analytical reports. Recommendations are based on the historic land use of the subject property, as well as features noted during the site walk and Phase II assessment. The absence of potential gross contamination sources, historic or present, does not necessarily imply that the subject property is free of any contamination. This report only represents a "due diligence" effort as to the integrity of the subject property. No other warranty or guarantee, expressed or implied, is made as to the professional conclusions or recommendations contained in this report. The limitations contained within this report supersede all other contracts or scopes of work, implied or otherwise, except those stated or acknowledged herewith.

This report is not a legal opinion. It does not necessarily comply with requirements defined in any environmental law such as the "innocent landowner defense" or "due diligence inquiry." Only legal counsel retained by the client is competent to determine the legal implications of any information, conclusions, or recommendations in this report.

The findings, conclusions, recommendations, and professional opinions contained in this report have been prepared by the staff of *PHASE ONE INC.*, in accordance with generally accepted professional practices.

Sample results should not be construed as conclusive and binding in any way. All sampling conducted is only for the purposes of general screening and does not imply that all materials, locations, or hazardous materials have been identified nor was the sampling intended to identify every instance of the materials sampled. *PHASE ONE INC.* only relays the information supplied by the laboratory conducting the analysis.

7.0 REPORT SIGNATURE AND CERTIFICATION

The undersigned hereby certifies that:

The following people have prepared, written, and/or reviewed the report for Project #7352. All the below parties have, in good faith, conducted their respective project responsibilities using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar fields.

All parties have acted in good faith and have no known relationship with the subject site, owners, buyers, or any other entity associated with the subject site. All respective project responsibilities have been conducted independently, and with no conflict of interest.

The statements of fact contained in this report are true and correct based on materials reviewed to the best of our abilities.

The reported analyses, opinions, and conclusions are personal, unbiased, professional, and limited only by the assumptions and qualifications stated herein. Compensation is not contingent upon an action or an event resulting from the analyses, opinions, or conclusions included in this report nor is it contingent upon the use of this report.

The investigation has been performed in accordance with all applicable legal requirements and in accordance with accepted practices prevailing in the environmental assessment and environmental consulting industries. The personnel who performed the investigation (or are under the direct supervision of personnel) whom are properly licensed and certified in accordance with the requirements of all federal, state, and local laws, rules, and regulations.

We have no present or prospective interest in the subject property or the parties involved.

If necessary, expert testimony and other legal appearances will be provided at our current Standard Schedule of Rates.



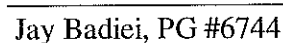
Eric Kieselbach President



Nadine Kieselbach, Copy Editor

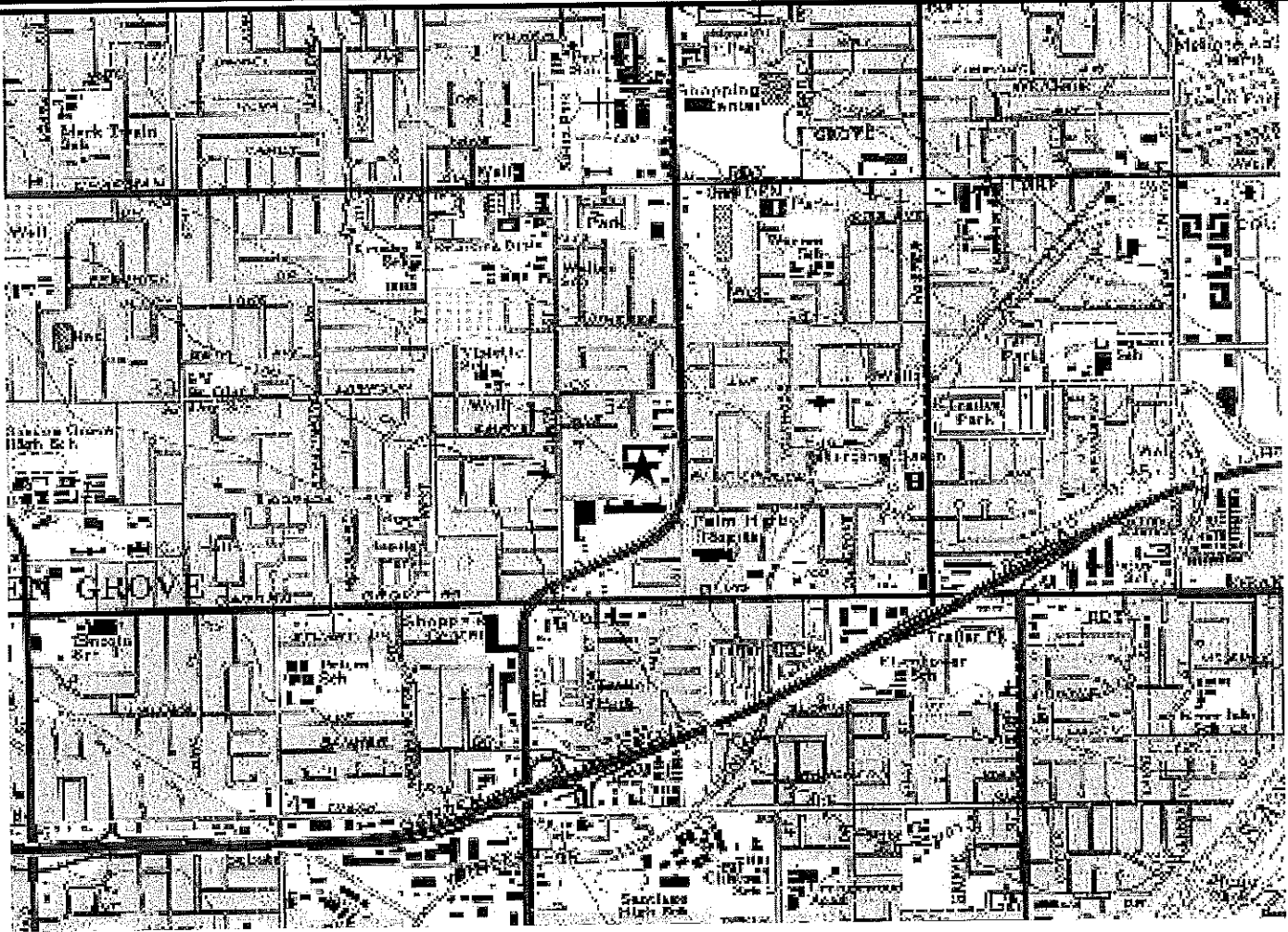


Eric Charles Exton, Operations Manager



Jay Badiei, PG #6744

FIGURES



SITE LOCATION MAP

U.S. Geological Survey, Anaheim Quadrangle
 7.5 Minute Series, Approximate Scale: 1: 24000



PHASE ONE INC.

**Harbor Blvd Site -- Water Park
 Garden Grove, CA 92840**

FIGURE: 1
 JOB: 7282
 DATE: 5/21/2012



NOT TO SCALE

KEY	
---	= SUBJECT SITE
OP#	= OUTSIDE PHOTO



PHASE ONE INC.
ENVIRONMENTAL ASSESSMENT SPECIALISTS

HARBOR BOULEVARD SITE - WATER PARK
12581, 12591, 12625, 12721 HARBOR BOULEVARD
12601, 12602 LEDA LANE
GARDEN GROVE, CALIFORNIA 92840

DRAWN: LT

SITE PLAN	
FIGURE:	2
JOB:	7282
DATE:	5/21/2012

APPENDICES

APPENDIX A
SAMPLING PROTOCOL

SAMPLING PROTOCOL
Harbor Boulevard Site – Water Park
Garden Grove, California 92840

INTRODUCTION

This protocol outlines the field procedures utilized for the collection of soil samples as part of *PHASE ONE INC.*'s project number 7352.

PRE-FIELD CONDITIONS AND ACTIVITIES

The following activities or procedures were observed as part of the sampling project:

1. Sampling intervals were approved by *PHASE ONE INC.* prior to field operations. An environmental professional observed the work, and collected samples at approved intervals.

FIELD PROCEDURES: SUBSURFACE SOIL SAMPLING - DRILL RIG

The following procedures were observed during soil sampling operations:

1. The sampler on the drilling rig was driven by a 140-pound hammer with a thirty-inch free fall. If the drilling rig used a pneumatic hammer rather than a free falling, down-hole hammer, the force of each stroke was assumed to be consistent with a thirty-inch free fall from a down-hole hammer. Blow counts, if noted, were recorded as the number of blows per six inches for a total of eighteen inches. Density of material was estimated by the number of "blows" required to drive the sampler the final twelve inches.
2. Soil samples from drilling rigs were collected by a modified Sprague and Henwood split-barrel sampler. The sampler uses three, six-inch-long sample tubes that have a two-inch outer diameter.
3. The spoon sampler used by the drilling rig was driven a total of eighteen inches at each sampling interval. The first tube, which was adjacent to the shoe of the sampler, was retained for analysis. The second sample was retained as a backup for the first, and for visual description of the subsurface. The material in the last sample tube was disposed of as slough associated with the advancement of the augers into the subsurface.
4. Soil samples obtained for organic compounds were collected in glass jars.
5. After the soil samples were removed, the sampler was disassembled; scrubbed in a water bath with TsP[®]; rinsed in two separate water baths, the last of which contained double-distilled water; and re-assembled with three new sample tubes.

6. Due to the loose nature of the soil (i.e. beach sand, etc.), a sand-catcher was used to collect soil samples. Between sampling intervals, the sand-catcher was washed in a TSP[®] bath and rinsed.

FIELD PROCEDURES: SUBSURFACE GROUNDWATER SAMPLING

Using a new disposable polyethylene bailer, a groundwater sample is collected from each monitoring well. The samples are labeled and stored in accordance with prevailing regulatory standards. They samples are transported in a chilled cooler to a State certified DHS laboratory for analysis.

SAMPLE COLLECTION AND LABORATORY PROTOCOL

After soil sample collection, protocol required that the following guidelines and sample tracking be followed to maintain sample integrity:

1. After retrieval, each soil sample container was sealed, labeled, and chilled. Clean ice chests were used to keep the soil samples at approximately four degrees Celsius until they were delivered to the state-certified analytical chemical laboratory.
2. The samples were delivered directly to the laboratory.
3. Sample control was maintained by a Chain-Of-Custody (COC) record, which accompanies the samples. The form documented the time, date, and person responsible during each step in the transportation process.

SAMPLE CODING—SOIL SAMPLING

The coded sample numbering system does not reveal the client to the laboratory or other interested parties:

1. A non-water soluble marking pen is used to mark the labels, which are then applied to the sample tubes.
2. **Project Number:** The project number allows *PHASE ONE INC.* to access file and client information. Use of the project number maintains the client's confidentiality to subcontractors, while maintaining *PHASE ONE INC.*'s ability to identify necessary data:

Example: *PHASE ONE INC.* Project Number: 7334
Client Name: Phelan Development Company

The soil sample tubes have the project number written on the label as follows:

7334

3. **Sample Number:** *PHASE ONE INC.* numbers its soil samples in the following manner:

T-XX-YY

Where: T Indicates type of sample symbol (see below)
X Indicates boring number
Y Indicates depth of sample in feet below ground surface (BGS)

Types of sample symbols (T) include:

<u>SYMBOL</u>	=	<u>TYPE OF SAMPLE</u>
HA or B		Hand auger soil boring

For example, if a subsurface soil sample (T=HA) was collected from the first soil boring (X=1) at the three-foot sampling depth (Y=3), the soil sample would be logged as follows:

HA-1-3

In review, the number indicates a soil sample from soil boring number one, from a depth of three feet BGS.

- 4. **Sample Date:** Due to holding time limits for most analyses, it is important to include the date the sample was collected.

Sample Date: March 6, 2008
Sample Labeled: 03/06/07

- 5. The complete labeling of the soil sample tube includes:

Job Number with appropriate number (i.e. 7352)
Sample Number as described in point three.
Sample Date as labeled on the tube.

The sample identification information, as required by *PHASE ONE INC.* for the three-foot soil sample collected from boring SB-1 would be as follows:

7352
HA-1-3
03/06/07

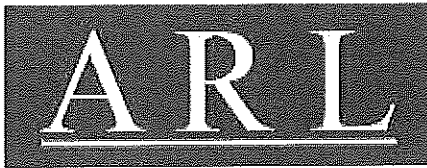
APPENDIX B

SOIL BORING LOGS

(Not Included, On File at *PHASE ONE INC.*)

APPENDIX C

ANALYTICAL LABORATORY REPORT



A & R Laboratories

Formerly Microbac Southern California

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	2790
	2122

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CASE NARRATIVE

Authorized Signature Name / Title (print)

Ken Zheng, President

Signature / Date

Ken Zheng

Ken Zheng, President
11/02/2012 12:05:09

Laboratory Job No. (Certificate of Analysis No.)

1210-00237

Project Name / No.

7352

Dates Sampled (from/to)

10/30/12 To 10/30/12

Dates Received (from/to)

10/30/12 To 10/30/12

Dates Reported (from/to)

11/02/12 To 11/2/2012

Chains of Custody Received

Yes

Comments:

Subcontracting

Organic Analyses

No analyses sub-contracted

Inorganic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

None



A & R Laboratories

Formerly Microbac Southern California

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	2790
	2122

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CERTIFICATE OF ANALYSIS

1210-00237

PHASE ONE, INC.
ERIC K.
23282 MILL GREEK DR., STE. 160
LAGUNA HILLS, CA 92653

Date Reported 11/02/12
Date Received 10/30/12
Invoice No. 68826
Cust # 1548
Permit Number
Customer P.O.

Project: 7352

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 7352-GP-1-30							Date & Time Sampled: 10/30/12 @ 9:00	
Sample Matrix: Solid								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1		11/01/12	KZ
Lead	0.66		mg/Kg	EPA 6010B	1	0.500	11/01/12	KZ
[VOCs BTEX & OXYs by GCMS]								
Closed System P&T VOC Soil	Complete			EPA 5035	1		10/31/12	ADF
Benzene	<0.0010		mg/Kg	EPA 8260B	1	0.0010	10/31/12	ADF
Ethylbenzene	<0.0010		mg/Kg	EPA 8260B	1	0.0010	10/31/12	ADF
Methyl-t-butyl Ether (MtBE)	<0.0020		mg/Kg	EPA 8260B	1	0.0020	10/31/12	ADF
Toluene	<0.0010		mg/Kg	EPA 8260B	1	0.0010	10/31/12	ADF
m,p-Xylenes	<0.0020		mg/Kg	EPA 8260B	1	0.0020	10/31/12	ADF
o-Xylene	<0.0010		mg/Kg	EPA 8260B	1	0.0010	10/31/12	ADF
[VOC Surrogates]								
Dibromofluoromethane	94		%REC	EPA 8260B		70-130	10/31/12	ADF
Toluene-DB	103		%REC	EPA 8260B		70-130	10/31/12	ADF
Bromofluorobenzene	86		%REC	EPA 8260B		70-130	10/31/12	ADF
Sample: 002 7352-GP-1-A							Date & Time Sampled: 10/30/12 @ 9:30	
Sample Matrix: Aqueous								
[VOCs by GCMS]								
Acetone	<100		µg/L	EPA 8260B	1	100	10/31/12	ADF
t-Amyl Methyl Ether (TAME)	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Benzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Bromobenzene	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Bromochloromethane	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Bromodichloromethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Bromoform	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Bromomethane	<2.0		µg/L	EPA 8260B	1	2.0	10/31/12	ADF
t-Butanol (TBA)	<10		µg/L	EPA 8260B	1	10	10/31/12	ADF
2-Butanone (MEK)	<10		µg/L	EPA 8260B	1	10	10/31/12	ADF
n-Butylbenzene	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
sec-Butylbenzene	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
tert-Butylbenzene	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF



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FDA#	2030513
LA City#	10261
ELAP#s	2789
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CERTIFICATE OF ANALYSIS

1210-00237

PHASE ONE, INC.
ERIC K.
23282 MILL GREEK DR., STE. 160
LAGUNA HILLS, CA 92653

Date Reported 11/02/12
Date Received 10/30/12
Invoice No. 68826
Cust # 1548
Permit Number
Customer P.O.

Project: 7352

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 7352-GP-1-A							Date & Time Sampled: 10/30/12 @ 9:30	
Sample Matrix: Aqueous								
.....continued								
Carbon Disulfide	<10		µg/L	EPA 8260B	1	10	10/31/12	ADF
Carbon Tetrachloride	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Chlorobenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Chloroethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Chloroform	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Chloromethane	<2.0		µg/L	EPA 8260B	1	2.0	10/31/12	ADF
2-Chlorotoluene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
4-Chlorotoluene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Dibromochloromethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2-Dibromoethane (EDB)	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2-Dibromo-3-Chloropropane	<10		µg/L	EPA 8260B	1	10	10/31/12	ADF
Dibromomethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2-Dichlorobenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,3-Dichlorobenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,4-Dichlorobenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Dichlorodifluoromethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,1-Dichloroethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2-Dichloroethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,1-Dichloroethene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
cis-1,2-Dichloroethene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
trans-1,2-Dichloroethene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2-Dichloropropane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,3-Dichloropropane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
2,2-Dichloropropane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,1-Dichloropropene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
cis-1,3-Dichloropropene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
trans-1,3-Dichloropropene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Diisopropyl Ether (DIPE)	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Ethylbenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Ethyl-t-Butyl Ether (EtBE)	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Hexachlorobutadiene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF

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Project: 7352

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 7352-GP-1-A							Date & Time Sampled: 10/30/12 @ 9:30	
Sample Matrix: Aqueous								
.....continued								
2-Hexanone	<10		µg/L	EPA 8260B	1	10	10/31/12	ADF
Isopropylbenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
4-Isopropyltoluene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Methylene Chloride	<20		µg/L	EPA 8260B	1	20	10/31/12	ADF
4-Methyl-2-Pentanone (MIBK)	<5.0		µg/L	EPA 8260B	1	5.0	10/31/12	ADF
Methyl-t-butyl Ether (MtBE)	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Naphthalene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
n-Propylbenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Styrene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,1,1,2-Tetrachloroethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,1,2,2-Tetrachloroethane	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Tetrachloroethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Toluene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2,3-Trichlorobenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2,4-Trichlorobenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,1,1-Trichloroethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,1,2-Trichloroethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Trichloroethene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2,3-Trichloropropane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Trichlorofluoromethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Trichlorotrifluoroethane	<5.0		µg/L	EPA 8260B	1	5.0	10/31/12	ADF
1,2,4-Trimethylbenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,3,5-Trimethylbenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Vinyl Chloride	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
m,p-Xylenes	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
o-Xylene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
[VOC Surrogates]								
Dibromofluoromethane	102		%REC	EPA 8260B		70-130	10/31/12	ADF
Toluene-D8	98		%REC	EPA 8260B		70-130	11/02/12	KZ
Bromofluorobenzene	93		%REC	EPA 8260B		70-130	11/02/12	KZ
[Semi-Volatile Organics]								

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Permit Number
Customer P.O.

Project: 7352

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 7352-GP-1-A							Date & Time Sampled: 10/30/12 @ 9:30	
Sample Matrix: Aqueous								
.....continued								
Sep Funnel LLE	Complete			EPA 3510C	1		11/01/12	KZ
bis(2-Chloroethyl) ether	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Phenol	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
2-Chlorophenol	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
1,3-Dichlorobenzene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
1,4-Dichlorobenzene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
1,2-Dichlorobenzene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
bis(2-Chloroisopropyl)ether	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Hexachloroethane	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
n-Nitrosodi-n-Propylamine	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Nitrobenzene	<0.0030		mg/L	EPA 8270C	1	0.0030	11/01/12	KZ
Isophorone	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
2-Nitrophenol	<0.0040		mg/L	EPA 8270C	1	0.0040	11/01/12	KZ
2,4-Dimethylphenol	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
bis(2-Chloroethoxy)methane	<0.0020		mg/L	EPA 8270C	1	0.0020	11/01/12	KZ
2,4-Dichlorophenol	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
1,2,4-Trichlorobenzene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Naphthalene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
4-Chloroaniline	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Hexachlorobutadiene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
4-Chloro-3-Methylphenol	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Hexachlorocyclopentadiene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
2,4,6-Trichlorophenol	<0.010		mg/L	EPA 8270C	1	0.010	11/01/12	KZ
2-Chloronaphthalene	<0.019		mg/L	EPA 8270C	1	0.019	11/01/12	KZ
Dimethyl Phthalate(DEP)	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Acenaphthylene	<0.0010		mg/L	EPA 8270C	1	0.0010	11/01/12	KZ
2,6-Dinitrotoluene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Acenaphthene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
2,4-Dinitrophenol	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
4-Nitrophenol	<0.010		mg/L	EPA 8270C	1	0.010	11/01/12	KZ
2,4-Dinitrotoluene	<0.048		mg/L	EPA 8270C	1	0.048	11/01/12	KZ

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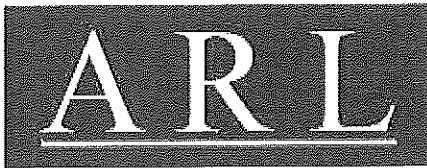
Project: 7352

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 7352-GP-1-A							Date & Time Sampled: 10/30/12 @ 9:30	
Sample Matrix: Aqueous								
.....continued								
Fluorene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Diethyl Phthalate	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
4-Chlorophenyl Phenyl Ether	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
2-Methyl-4,6-Dinitrophenol	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
n-Nitroso-Diphenylamine	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
4-Bromophenyl Phenyl Ether	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Hexachlorobenzene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Pentachlorophenol	<0.048		mg/L	EPA 8270C	1	0.048	11/01/12	KZ
Anthracene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Phenanthrene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Di-n-Butyl Phthalate	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Fluoranthene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Pyrene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Benzyl Butyl Phthalate(BBP)	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Benzo(a)anthracene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
3,3-Dichlorobenzidine	<0.048		mg/L	EPA 8270C	1	0.048	11/01/12	KZ
bis(2-Ethylhexyl) phthalate	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Chrysene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Di-n-Octyl Phthalate	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Benzo(b)fluoranthene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Benzo(k)fluoranthene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Benzo(a)pyrene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Indeno(1,2,3-c,d)pyrene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Dibenzo(a,h)anthracene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Benzo(g,h,i)perylene	<0.0095		mg/L	EPA 8270C	1	0.0095	11/01/12	KZ
Dibenzofuran	<0.0010		mg/L	EPA 8270C	1	0.0010	11/01/12	KZ
2-Methylnaphthalene	<0.0010		mg/L	EPA 8270C	1	0.0010	11/01/12	KZ
3/4-Methylphenol(Cresol)	<0.0050		mg/L	EPA 8270C	1	0.0050	11/01/12	KZ
2-Methylphenol(o-Cresol)	<0.0050		mg/L	EPA 8270C	1	0.0050	11/01/12	KZ
2-Nitroaniline	<0.0030		mg/L	EPA 8270C	1	0.0030	11/01/12	KZ
3-Nitroaniline	<0.0030		mg/L	EPA 8270C	1	0.0030	11/01/12	KZ

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Project: 7352

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 7352-GP-1-A							Date & Time Sampled: 10/30/12 @ 9:30	
Sample Matrix: Aqueous								
.....continued								
4-Nitroaniline	<0.010		mg/L	EPA 8270C	1	0.010	11/01/12	KZ
2,4,5-Trichlorophenol	<0.0060		mg/L	EPA 8270C	1	0.0060	11/01/12	KZ
[Semi-Volatile Surrogates]								
2-Fluorophenol	66		%REC	EPA 8270C		10-124	11/01/12	KZ
Phenol-D5	69		%REC	EPA 8270C		10-97.5	11/01/12	KZ
Nitrobenzene-D5	72		%REC	EPA 8270C		10-139	11/01/12	KZ
2-Fluorobiphenyl	61		%REC	EPA 8270C		5-91.4	11/01/12	KZ
2,4,6-Tribromophenol	73		%REC	EPA 8270C		10-107	11/01/12	KZ
p-Terphenyl-D14	69		%REC	EPA 8270C		10-157	11/01/12	KZ
Sample: 003 7352-GP-1-B							Date & Time Sampled: 10/30/12 @ 9:35	
Sample Matrix: Aqueous								
[Metals]								
Metals Acid Digestion	Complete			EPA 3010A	1		11/01/12	KZ
Lead	0.27		mg/L	EPA 6010B	1	0.0200	11/01/12	KZ
[VOCs by GCMS]								
Acetone	<100		µg/L	EPA 8260B	1	100	10/31/12	ADF
t-Amyl Methyl Ether (TAME)	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Benzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Bromobenzene	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Bromochloromethane	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Bromodichloromethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Bromoform	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Bromomethane	<2.0		µg/L	EPA 8260B	1	2.0	10/31/12	ADF
t-Butanol (TBA)	<10		µg/L	EPA 8260B	1	10	10/31/12	ADF
2-Butanone (MEK)	<10		µg/L	EPA 8260B	1	10	10/31/12	ADF
n-Butylbenzene	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
sec-Butylbenzene	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
tert-Butylbenzene	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Carbon Disulfide	<10		µg/L	EPA 8260B	1	10	10/31/12	ADF
Carbon Tetrachloride	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF

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USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

TCCo. Received 10-25-2013



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Formerly Microbac Southern California

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RIVERSIDE CA, 92507

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

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CERTIFICATE OF ANALYSIS

1210-00237

PHASE ONE, INC.
ERIC K.
23282 MILL GREEK DR., STE. 160
LAGUNA HILLS, CA 92653

Date Reported 11/02/12
Date Received 10/30/12
Invoice No. 68826
Cust # 1548
Permit Number
Customer P.O.

Project: 7352

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 7352-GP-1-B							Date & Time Sampled: 10/30/12 @ 9:35	
Sample Matrix: Aqueous								
.....continued								
Chlorobenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Chloroethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Chloroform	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Chloromethane	<2.0		µg/L	EPA 8260B	1	2.0	10/31/12	ADF
2-Chlorotoluene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
4-Chlorotoluene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Dibromochloromethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2-Dibromoethane (EDB)	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2-Dibromo-3-Chloropropane	<10		µg/L	EPA 8260B	1	10	10/31/12	ADF
Dibromomethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2-Dichlorobenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,3-Dichlorobenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,4-Dichlorobenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Dichlorodifluoromethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,1-Dichloroethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2-Dichloroethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,1-Dichloroethene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
cis-1,2-Dichloroethene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
trans-1,2-Dichloroethene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2-Dichloropropane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,3-Dichloropropane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
2,2-Dichloropropane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,1-Dichloropropene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
cis-1,3-Dichloropropene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
trans-1,3-Dichloropropene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Diisopropyl Ether (DIPE)	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Ethylbenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Ethyl-t-Butyl Ether (EtBE)	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Hexachlorobutadiene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
2-Hexanone	<10		µg/L	EPA 8260B	1	10	10/31/12	ADF
Isopropylbenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF

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TCCo. Received 10-25-2013



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CERTIFICATE OF ANALYSIS

1210-00237

PHASE ONE, INC.
ERIC K.
23282 MILL GREEK DR., STE. 160
LAGUNA HILLS, CA 92653

Date Reported 11/02/12
Date Received 10/30/12
Invoice No. 68826
Cust # 1548
Permit Number
Customer P.O.

Project: 7352

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 7352-GP-1-B							Date & Time Sampled: 10/30/12 @ 9:35	
Sample Matrix: Aqueous								
.....continued								
4-Isopropyltoluene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Methylene Chloride	<20		µg/L	EPA 8260B	1	20	10/31/12	ADF
4-Methyl-2-Pentanone (MIBK)	<5.0		µg/L	EPA 8260B	1	5.0	10/31/12	ADF
Methyl-t-butyl Ether (MtBE)	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Naphthalene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
n-Propylbenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Styrene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,1,1,2-Tetrachloroethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,1,2,2-Tetrachloroethane	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
Tetrachloroethene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Toluene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2,3-Trichlorobenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2,4-Trichlorobenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,1,1-Trichloroethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,1,2-Trichloroethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Trichloroethene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,2,3-Trichloropropane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Trichlorofluoromethane	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Trichlorotrifluoroethane	<5.0		µg/L	EPA 8260B	1	5.0	10/31/12	ADF
1,2,4-Trimethylbenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
1,3,5-Trimethylbenzene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
Vinyl Chloride	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
m,p-Xylenes	<1.0		µg/L	EPA 8260B	1	1.0	10/31/12	ADF
o-Xylene	<0.50		µg/L	EPA 8260B	1	0.50	10/31/12	ADF
[VOC Surrogates]								
Dibromofluoromethane	96		%REC	EPA 8260B		70-130	10/31/12	ADF
Toluene-D8	105		%REC	EPA 8260B		70-130	10/31/12	ADF
Bromofluorobenzene	85		%REC	EPA 8260B		70-130	10/31/12	ADF

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TCCo. Received 10-25-2013



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Respectfully Submitted:

Ken Zheng

Ken Zheng - Lab Director

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications. The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit, Adjusted by DF
MDL = Method Detection Limit, Adjusted by DF
Qual = Qualifier
Tech = Technician

As regulatory limits change frequently, A & R Laboratories advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Marilu Escher, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at arlab@arlaboratories.com.



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QUALITY CONTROL DATA REPORT

PHASE ONE, INC.

ERIC K.

23282 MILL GREEK DR., STE. 160

LAGUNA HILLS, CA 92653

1210-00237

Date Reported 11/02/2012

Date Received 10/30/2012

Date Sampled 10/30/2012

Invoice No. 68826

Customer # 1548

Customer P.O.

Project: 7352

Method # EPA 6010B
QC Reference # 37162 Date Analyzed: 11/1/2012 Technician: KZ

Samples 001

Results

	LCS %REC	LCS %DUP	LCS %RPD
Lead	90	98	9

Control Ranges

LCS %REC	LCS %RPD
75 - 125	0 - 20

QC Reference # 37164 Date Analyzed: 11/1/2012 Technician: KZ

Samples 003

Results

	LCS %REC	LCS %DUP	LCS %RPD
Lead	85	89	5

Control Ranges

LCS %REC	LCS %RPD
75 - 125	0 - 20

Method # EPA 8260B
QC Reference # 0 Date Analyzed: 11/2/2012 Technician: KZ

Samples 002

No QC recoveries reported.

QC Reference # 37126 Date Analyzed: 10/31/2012 Technician: ADF

Samples 001

Results

	LCS %REC	LCS %DUP	LCS %RPD
Benzene	102	97	6
Toluene	94	96	3

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25
70 - 130	0 - 25

QC Reference # 37127 Date Analyzed: 10/31/2012 Technician: ADF

Samples 002 003

Results

	LCS %DUP
1,1-Dichloroethene	103
Benzene	97
Chlorobenzene	99
Toluene	95
Trichloroethene	96

Method # EPA 8270C
QC Reference # 37165 Date Analyzed: 11/1/2012 Technician: KZ

Samples 002



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QUALITY CONTROL DATA REPORT

PHASE ONE, INC.
ERIC K.

1210-00237

Date Reported 11/02/2012
Date Received 10/30/2012
Date Sampled 10/30/2012

Project: 7352

Method # EPA 8270C

QC Reference # 37165

Date Analyzed: 11/1/2012

Technician: KZ

Samples 002

Results

	LCS %REC	LCS %DUP	LCS %RPD	BLKSRR%R EC
1,2,4-Trichlorobenzen	85	97	13	
1,4-Dichlorobenzene	87	92	6	
2,4,6-Tribromophenol				76
2,4-Dinitrotoluene	82	98	17	
2-Chlorophenol	86	94	9	
2-Fluorobiphenyl				83
2-Fluorophenol				86
4-Chloro-3-Methylphe	83	91	9	
4-Nitrophenol	84	90	6	
Acenaphthene	86	92	7	
Nitrobenzene-D5				79
n-Nitrosodi-n-Propylam	91	93	3	
Pentachlorophenol	92	97	6	
Phenol	89	96	8	
Phenol-D5				81
p-Terphenyl-D14				72
Pyrene	90	92	3	

Control Ranges

LCS %REC	LCS %RPD	BLKSRR%REC
44 - 142	0 - 28	
20 - 124	0 - 27	
		19 - 122
39 - 139	0 - 47	
23 - 134	0 - 50	
		43 - 116
		21 - 100
22 - 147	0 - 33	
0 - 132	0 - 50	
47 - 145	0 - 23	
		35 - 114
0 - 230	0 - 38	
14 - 176	0 - 47	
5 - 112	0 - 35	
		10 - 94
		33 - 141
52 - 115	0 - 36	

No method blank results were above reporting limit

Respectfully Submitted:

Ken Zheng

Ken Zheng - President

For any feedback concerning our services, please contact Marilu Escher, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at arlab@arlaboratories.com.

1210 - 237

15-03 S. Grove Ave., Ontario, CA 91761
 Tel. 909-413-8343
 Telex Fax: 909-923-8628

Environmental
 Laboratories, Inc.

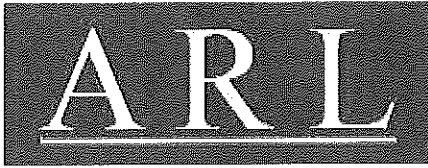


CHAIN OF CUSTODY

Client Name	Sample Receipt Conditions		Analyses Requested										Turn Around Time Requested				
	Chilled	Intact	Sample Seal	EPA8260B (VOCs & Oxygenates)	EPA8260B (BTEX & Oxygenates)	EPA8021B (BTEX & MTBE)	EPA8015M / 8015B (Gasoline)	EPA8015M / 8015B (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA4181 (TRPH)	EPA8015M (Carbon Chain)		EPA 7000s (Metals)	CAM 17 Metals	EPA 7172 - Hg	EPA 8270C - SW
ABC Laboratories, Inc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>														7352-6P-1-5
Address: 14500 Hillside																	
Phone # 714-649-2035																	
Project No. 735																	
Client	Lab Sample ID	Sample Collection Date	Matrix Type	Sample Preserve	No. type & size of container												
	-1-5	10/30/12	Water	ADD	3-V												
	-1-10																
	-1-15																
	-1-20																
	-1-25																
	-1-30																
	-1-35																
	-1-A																
	-1-B																

Requisitioned By: [Signature] Company: [Signature] Date: 10/30/12 Time: 1:00 PM
 Received By: [Signature] Company: [Signature] Date: 10/30/12 Time: 1:07 PM
 Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SD=Solid Waste
 Preservative Code: SL=Studs, SS=Soil/Sediment, AR=Asst, PP=Pure Product
 Sample Container Types: SH=NaOH, ST=Na2S2O8, HS=H2SO4, T=Tedlar Air Bag, G=Glass Container, ST=Stool Tube, B=Brexit Tube, PE=Plastic Bottle, V=VOC Vial, E=EnCore



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CASE NARRATIVE

Authorized Signature Name / Title (print)

Ken Zheng, President

Signature / Date

Ken Zheng

Ken Zheng, President
11/13/2012 10:17:11

Laboratory Job No. (Certificate of Analysis No.)

1211-00069

Project Name / No.

Add'l for 7352 - 1210-00237

Dates Sampled (from/to)

10/30/12 To 10/30/12

Dates Received (from/to)

11/12/12 To 11/12/12

Dates Reported (from/to)

11/13/12 To 11/13/2012

Chains of Custody Received

Yes

Comments:

Subcontracting

Inorganic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

None



A & R Laboratories

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CERTIFICATE OF ANALYSIS

1211-00069

PHASE ONE, INC.
ERIC K.
23282 MILL GREEK DR., STE. 160
LAGUNA HILLS, CA 92653

Date Reported 11/13/12
Date Received 11/12/12
Invoice No. 68893
Cust # 1548
Permit Number
Customer P.O.

Project: Add'l for 7352 - 1210-00237

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 7352-GP-1-A							Date & Time Sampled: 10/30/12 @ 9:30	
Sample Matrix: Aqueous								
[Metals]								
Metals Acid Digestion	Complete			EPA 3010A	1		11/12/12	KZ
Lead	0.314		mg/L	EPA 6010B	1	0.0200	11/12/12	KZ

Respectfully Submitted:

Ken Zheng

Ken Zheng - Lab Director

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications. The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
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RL = Reporting Limit, Adjusted by DF
MDL = Method Detection Limit, Adjusted by DF
Qual = Qualifier
Tech = Technician

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QUALITY CONTROL DATA REPORT

PHASE ONE, INC.

ERIC K.

23282 MILL GREEK DR., STE. 160

LAGUNA HILLS, CA 92653

1211-00069

Date Reported 11/13/2012

Date Received 11/12/2012

Date Sampled 10/30/2012

Invoice No. 68893

Customer # 1548

Customer P.O.

Project: Addt'I for 7352 - 1210-00237

Method # EPA 6010B

QC Reference # 37312

Date Analyzed: 11/12/2012

Technician: KZ

Samples 001

Results

	LCS %REC	LCS %DUP	LCS %RPD
Lead	90	95	6

Control Ranges

LCS %REC	LCS %RPD
75 - 125	0 - 20

No method blank results were above reporting limit

Respectfully Submitted:

Ken Zheng

Ken Zheng - President

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1211 - 69

*CURRENT WO# :

ABC Environmental Laboratories, Inc.

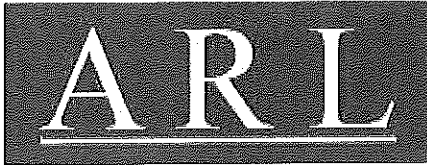
11-55 S. Valley Ave., Ontario, CA 91764
Tel: 909-413-9345
Fax: 909-923-8626

CHAIN OF CUSTODY

Client Name <i>[Handwritten]</i>		Sample Receipt Conditions		Analyses Requested								Turn Around Time (Business Days) <input type="checkbox"/> Rush <input type="checkbox"/> Normal														
Project No. Name <i>[Handwritten]</i>		Project Site <i>[Handwritten]</i>		Sample Preserve		Matrix Type		Company		Date		Time		Remarks												
Request Attention <i>[Handwritten]</i>		Phone # <i>[Handwritten]</i>		Chilled <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		Type <i>[Handwritten]</i>		Company		Date		Time														
Sample ID		Lab Sample ID		Sample Collection Date		Sample Collection Time		Sample No. Type & size of container		EPA 8260B (VOCs & Organics)		EPA 8260B (TEX & MTBE)		EPA 8082 (PCBs)		EPA 4181 (TRPH)		EPA 8005 (Carbon D-Xan)		EPA 7005 (Metals)		CAM 17 Metals		EPA 7172 - Hb EPA 927C-SWC		
<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>	<i>[Handwritten]</i>

NOTE: Samples are discarded 30 days after results are reported unless other arrangements are made.

[Handwritten note:] Doubled per clients request. Previously WO# 1210-00237



A & R Laboratories

Formerly Microbac Southern California

1401 RESEARCH PARK DRIVE, SUITE 100
RIVERSIDE CA, 92507

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
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	2122

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CASE NARRATIVE

Authorized Signature Name / Title (print)

Ken Zheng, President

Signature / Date

Ken Zheng

Ken Zheng, President
11/15/2012 15:29:59

Laboratory Job No. (Certificate of Analysis No.)

1211-00112

Project Name / No.

Add'l for 7352 - 1210-00237

Dates Sampled (from/to)

10/30/12 To 10/30/12

Dates Received (from/to)

11/14/12 To 11/14/12

Dates Reported (from/to)

11/15/12 To 11/15/2012

Chains of Custody Received

Yes

Comments:

Subcontracting

Inorganic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

None



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CERTIFICATE OF ANALYSIS

1211-00112

PHASE ONE, INC.
ERIC K.
23282 MILL GREEK DR., STE. 160
LAGUNA HILLS, CA 92653

Date Reported 11/15/12
Date Received 11/14/12
Invoice No. 68911
Cust # 1548
Permit Number
Customer P.O.

Project: Add'l for 7352 - 1210-00237

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 7352-GP-1-A							Date & Time Sampled: 10/30/12 @ 9:30	
Sample Matrix: Aqueous								
[Metals]								
Metals Acid Digestion	Complete			EPA 3010A	1		11/14/12	TLB
Dissolved Lead	13.9		ug/L	EPA 6010B	1	10.0	11/14/12	TLB

Respectfully Submitted:

Ken Zheng

Ken Zheng - Lab Director

QUALIFIERS

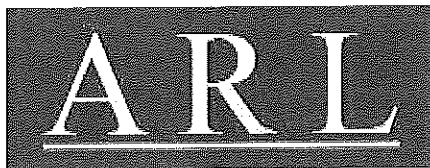
B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications. The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit, Adjusted by DF
MDL = Method Detection Limit, Adjusted by DF
Qual = Qualifier
Tech = Technician

As regulatory limits change frequently, A & R Laboratories advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Marilu Escher, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at arlab@arlaboratories.com.



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QUALITY CONTROL DATA REPORT

PHASE ONE, INC.

ERIC K.

23282 MILL GREEK DR., STE. 160

LAGUNA HILLS, CA 92653

1211-00112

Date Reported 11/15/2012

Date Received 11/14/2012

Date Sampled 10/30/2012

Invoice No. 68911

Customer # 1548

Customer P.O.

Project: Add'l for 7352 - 1210-00237

Method # EPA 6010B

QC Reference # 37339

Date Analyzed: 11/14/2012

Technician: TLB

Samples 001

Results

	LCS %REC	LCS %DUP	LCS %RPD	SPIKE %REC	SPIKE %DUP	SPIKE %RPD
Lead	96	95	0.8	100	96	3.7

Control Ranges

LCS %REC	LCS %RPD	SPIKE %RPD
75 - 125	0 - 20	0 - 20

No method blank results were above reporting limit

Respectfully Submitted:

Ken Zheng

Ken Zheng - President

For any feedback concerning our services, please contact Marilu Escher, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at arlab@arlaboratories.com.

***CURRENT WORK: 1211 - 112**

ABC Environmental Laboratories, Inc.
 14405 S. Grove Ave., Ontario, CA 91761
 Tel: 562-413-8343 Fax: 909-923-8628
CHAIN OF CUSTODY

Client Name	Sample Receipt Conditions		Analyses Requested										Turn Around Time Requested				
	Chilled	Insect	Sample Seal	EPA8260B (VOCs & Oxygenates)	EPA8260B (BTEX & Oxygenates)	EPA8021B (BTEX & MTBE)	EPA8015M / 8015B (Gasoline)	EPA8015M / 8015B (Diesel)	EPA8015A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA4181 (TRPH)	EPA4015M (Carbon Cream)		EPA 7000s (Metals)	CAM 17 Metals	EPA 717C-H	EPA 427C-SWC
ABC Environmental Laboratories, Inc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>														
Project Site: 735																	
Sample ID: 1-5	10/24/07	9:00 AM	WTR														
Sample ID: 1-10																	
Sample ID: 1-15																	
Sample ID: 1-20																	
Sample ID: 1-25																	
Sample ID: 1-30																	
Sample ID: 1-35																	
Sample ID: 1-F-A	12/10 - 237	2	WTR														
Sample ID: 1-F-B	12/10 - 237	2	WTR														

Wait for: Drinking Water Ground Water Wastewater Solid Waste

Preservative Code: NaOH HCl HNO3

Sample Container Types: Breathe Tube Plastic Bottle Vial

Sample Container Types: Stainless Steel Glass Plastic

Received By: [Signature] Date: 10/24/07 Time: 9:00 AM

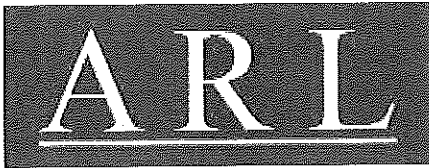
Received By: [Signature] Date: 10/24/07 Time: 2:30 PM

Company: ABC Environmental Laboratories, Inc.

Company: ABC Environmental Laboratories, Inc.

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Discarded As Check Request. Pending Request. Work 1210-00237 + 1211-00069



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CASE NARRATIVE

Authorized Signature Name / Title (print)

Ken Zheng, President

Signature / Date

Ken Zheng

Ken Zheng, President
11/16/2012 14:41:25

Laboratory Job No. (Certificate of Analysis No.)

1211-00124

Project Name / No.

Add'l for 7352 - 1210-00237

Dates Sampled (from/to)

10/30/12 To 10/30/12

Dates Received (from/to)

11/16/12 To 11/16/12

Dates Reported (from/to)

11/16/12 To 11/16/2012

Chains of Custody Received

Yes

Comments:

Subcontracting

Inorganic Analyses

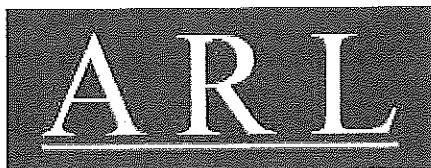
No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

None



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CERTIFICATE OF ANALYSIS

1211-00124

PHASE ONE, INC.
ERIC K.
23282 MILL GREEK DR., STE. 160
LAGUNA HILLS, CA 92653

Date Reported 11/16/12
Date Received 11/16/12
Invoice No. 68917
Cust # 1548
Permit Number
Customer P.O.

Project: Addtl for 7352 - 1210-00237

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 7352-GP-1-B							Date & Time Sampled: 10/30/12 @ 9:35	
Sample Matrix: Aqueous								
[Metals]								
Metals Acid Digestion	Complete			EPA 3010A	1		11/16/12	TLB
Dissolved Lead	<10		ug/L	EPA 6010B	1	10	11/16/12	TLB

Respectfully Submitted:

Ken Zheng

Ken Zheng - Lab Director

QUALIFIERS

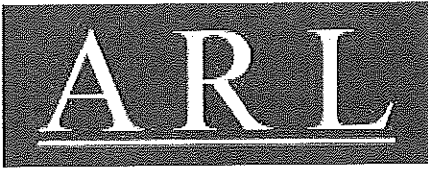
B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications. The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
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Qual = Qualifier
Tech = Technician

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QUALITY CONTROL DATA REPORT

PHASE ONE, INC.

1211-00124

ERIC K.

23282 MILL GREEK DR., STE. 160

LAGUNA HILLS, CA 92653

Date Reported 11/16/2012

Date Received 11/16/2012

Date Sampled 10/30/2012

Invoice No. 68917

Customer # 1548

Customer P.O.

Project: Add'l for 7352 - 1210-00237

Method #	EPA 6010B		
QC Reference #	37350	Date Analyzed: 11/16/2012	Technician: TLB
Samples	001		
Results	LCS %REC	LCS %DUP	LCS %RPD
	91	87	5.3
Control Ranges		LCS %REC	LCS %RPD
		75 - 125	0 - 20

No method blank results were above reporting limit

Respectfully Submitted:

Ken Zheng - President

For any feedback concerning our services, please contact Marilu Escher, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at arlab@arlaboratories.com.

***CURRENT WORK:** 1211-124

ABC Environmental Laboratories, Inc.
 16478 S. Green Ave., Ontario, CA 91761
 Tel: 952-419-8343
 Fax: 909-923-8628
CHAIN OF CUSTODY

Client Name	Project Site	Lab Sample ID	Sample Collection		Matrix Type	Sample Preserve	Sample No. Type & size of container	Sample Receipt Conditions		Analyses Requested	Turn Around Time Requested
			Date	Time				Certified	Infect		
1211-124	735		10/15/12	9:00 AM	WTR	3-V		<input checked="" type="checkbox"/> Certified <input checked="" type="checkbox"/> Infect	EPA 8082 (PCBs) EPA 4181 (TPH) EPA 8015M / 8015B (Lead) EPA 8015A (Organohalogenated) EPA 8021B (BTEX & MTBE) EPA 8005M / 8015B (Gasoline) EPA 8015M / 8015B (Diesel) EPA 8082 (PCBs)	1352-CP-1-10	
1211-124	735		10/15/12	9:00 AM	WTR	3-V		<input checked="" type="checkbox"/> Certified <input checked="" type="checkbox"/> Infect	EPA 8082 (PCBs) EPA 4181 (TPH) EPA 8015M / 8015B (Lead) EPA 8015A (Organohalogenated) EPA 8021B (BTEX & MTBE) EPA 8005M / 8015B (Gasoline) EPA 8015M / 8015B (Diesel) EPA 8082 (PCBs)	1352-CP-1-10	
1211-124	735		10/15/12	9:00 AM	WTR	3-V		<input checked="" type="checkbox"/> Certified <input checked="" type="checkbox"/> Infect	EPA 8082 (PCBs) EPA 4181 (TPH) EPA 8015M / 8015B (Lead) EPA 8015A (Organohalogenated) EPA 8021B (BTEX & MTBE) EPA 8005M / 8015B (Gasoline) EPA 8015M / 8015B (Diesel) EPA 8082 (PCBs)	1352-CP-1-10	
1211-124	735		10/15/12	9:00 AM	WTR	3-V		<input checked="" type="checkbox"/> Certified <input checked="" type="checkbox"/> Infect	EPA 8082 (PCBs) EPA 4181 (TPH) EPA 8015M / 8015B (Lead) EPA 8015A (Organohalogenated) EPA 8021B (BTEX & MTBE) EPA 8005M / 8015B (Gasoline) EPA 8015M / 8015B (Diesel) EPA 8082 (PCBs)	1352-CP-1-10	

Relationship By: [Signature] Date: 10/15/12
 Preserved By: [Signature] Date: 10/15/12
 Matrix: Drinking Water, Groundwater, Wastewater, Surface Water, Soil, Sludge
 Preservation: Acid, Cold, Heat, No
 Container Type: B=Brake Tubes, T=Regular Air Bag, P=Glass Bottle, G=Glass Container, ST=Steel Tube, E=Endcap
 Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

*Added Air clients requests. Previously work 1210-00237 + 1211-00069
 Discarded lead added to 7352-CP-1-B par curves*

APPENDIX H
REFERENCES

APPENDIX H

REFERENCES

AGENCIES

See Appendix B for a comprehensive list of the state and local agencies consulted for this project.

PUBLICATIONS

Basic Guide for Environmental Inspection. EEA. 1991.

Environmental Evaluations for Real Estate Transactions. Government Institutes, Inc. 1989.

"Flatland Deposits." Geological Survey Professional Paper No. 943. 1991.

"Geologic Principles for Prudent Land Use." Geological Survey Professional Paper No. 946. 1990.

"Groundwater Geology of the Valley." California Earthquakes: California Division of Mines and Geology Bulletin. 1975.

Hazardous Materials, Substances and Wastes Compliance Guide. 1990-1991.

Oil and Gas Field and Wildcat Maps. California Department of Conservation, Division of Oil and Gas. Various dates.

"Planned Utilization of the Groundwater Basins of the Coastal Plain of Los Angeles." State of California, Department of Water Resources, Bulletin No. 104. 1961 and 1988.

Principles of Contaminant Hydrogeology. Palmer, Christopher M. 1992.

Protection of Public Water Supplies from Groundwater Contamination: A Publication of the Environmental Protection Agency.

"Radon: A Homeowner's Guide to Detection and Control." 1987 and 1989.

Report and General Soil Map. California Soil Conservation Service, United States Department of Agriculture. 1967 and 1969.

The Sourcebook for Aerial Photographs, California edition. 1992.

Underground Storage Tank Corrective Action Technologies: A Publication of the Environmental Protection Agency. 1987.

APPENDIX I

RESUMES

ERIC D. KIESELBACH
President and CEO

Education

B.S. Environmental Resource Sciences: University of California, Davis, 1986
Emphasis: Water Sciences, Environmental Toxicology, Soil Sciences

Hazardous Waste Certificate Program: University of California, Davis
Additional classes in: Risk Assessment, Hazmat, Advanced Hazmat, Environmental Regulations, SARA Compliance

Licenses

- California State Registered Assessor, REA #02881
- Building Inspector #1607
- Management Planner #1680
- Project Designer #1839
- Contract Supervisor #2276

Special Qualifications

Mr. Kieselbach qualifies as an "Environmental Professional" in accordance with the US EPA's AAI (All Appropriate Inquires) 40 C.F.R. § 312.22. Mr. Kieselbach has performed numerous site investigation, assessment, and remediation of major commercial and industrial properties — in particular, large manufacturing plants requiring major remediation. Extensive knowledge of biotreatment of hydrocarbon-contaminated soils using engineered and endemic microbes. Designed, organized, and taught 40-hour SARA training program. Familiar with CFR 29, 40, and 49, SARA, CERCLA, TOSCA, RCRA, TITLE 22, Luft Manual. Significant general contractor experience, knowledgeable in all phases of commercial construction. Extensive experience in design, construction, and operation of all types and phases of remedial treatment systems.

Summary of Experience

1991 - Phase One, Inc., Tustin, California - Current

As President and Chief Executive Officer, Mr. Kieselbach oversees the entire environmental due diligence business conducted by Phase One, Inc., including orchestrating its rapid growth and success.

12 years - EDK Construction, Sacramento, California

Mr. Kieselbach owned and operated this company which constructed numerous custom homes, commercial and apartment projects. He managed and oversaw multi-million dollar projects with profitable results.

3 years - U.S. Geological Survey, California

As a Hydrogeological Technician, Mr. Kieselbach performed soil and groundwater sampling, helped set up and design soil testing and soils laboratory, and helped write procedures and perform field tests using sophisticated electronic equipment.

5 years - Exceltech Inc., a full-service environmental company, Irvine, California

As an officer and Vice President, Mr. Kieselbach ran the Southern California operations for Exceltech Inc., which included the Geoscience, Engineering, Remediation, and ACT (Assessments, Compliance, and Training) Departments. He undertook major work for such companies as Shell Oil, Conoco, and Kaiser Aluminum. He was also corporate safety officer for four of the five years.

ERIC EXTON

Operations Manager

Education

Numerous college courses focusing on science, computers, and business including: biology, micro-biology, environmental biology, chemistry, statistics, anatomy and physiology, programming in BASIC, Programming in C, programming in Pascal, advanced data structures, database programming, accounting and business law.

Licenses and Certifications

- California State Registered Assessor, REA I #08334
- State of California, Department of Health Services, Lead Related Construction Certificate, Inspector/Assessor ID#17704
- Certification in Mold Inspection & Sampling
- Microsoft Certified Systems Engineer (MCSE) #44842
- Microsoft Certified Professional in Microsoft Windows, Windows NT, Networking, SQL Server Administration, and SQL Server Implementation

Special Qualifications

Mr. Exton qualifies as an "Environmental Professional" in accordance with the US EPA's AAI (All Appropriate Inquires) 40 C.F.R. § 312.22. Mr. Exton has extensive experience in managing and supervising technical and administrative staff as well as in managing remote offices. Mr. Exton has also managed large, multi-site projects that have encompassed sites in multiple states. He has been involved with Phase II projects, prepared site characterization plans, and has worked in unison with governmental agencies and clients to achieve closure for contaminated properties. He has overseen soil cleanups and the installation of ground monitoring wells. In addition, he is an expert in computer programming, networking, databases, and systems administration.

Summary of Experiences

1992 – Phase One, Inc., Tustin, California – Current

Mr. Exton has written, researched, or performed the fieldwork for thousands of Phase I Environmental Site Assessments for various types of properties including manufacturing facilities, automotive repair facilities, and agricultural properties. In addition, he is the company's expert in the Federal Communications Commission's (FCC) responsibilities under the National Environmental Policy Act (NEPA). He has consulted on hundreds of NEPA compliance projects for various telecommunications companies. He has also consulted on NEPA compliance for several Department of Housing and Urban Development's (HUD) redevelopment projects as well as CEQA projects. He has made determinations and received concurrence from the State Historical Preservation Officer (SHPO) of many states for hundreds of Section 106 compliance projects. Mr. Exton has also managed special projects including Native American consultation, endangered species mitigation, consultation with the US Fish and Wildlife Service, wetlands surveys, flood plain hydrology studies, and archaeological testing. His archaeological projects have included the discovery of human remains. Mr. Exton has also written the majority of custom software utilized by Phase One, Inc; this software has increased the company's productivity and has improved the quality of reports compiled.

1 year – Valmer, Inc., Palo Alto, California

Mr. Exton managed and supported the computers and network for Valmer, Inc., a computer software company. He also managed the technical support of the company's contact management software, wrote several utilities to import data from other contact management and database programs, and merged data into popular word processing and fax programs.

APPENDIX J
ENVIRONMENTAL ACRONYMS AND DEFINITIONS

APPENDIX J

ENVIRONMENTAL ACRONYMS

AA	Administering Agency
ACM	Asbestos Containing Materials
AHERA	Asbestos Hazard Emergency Response Act, 1986
AHM	Acutely Hazardous Materials
AQMD	Air Quality Management District
CEG	Certified Engineering Geologist
CERCLA	Comprehensive Environmental Response, Comprehensive Liability Act of 1980 (Federal Superfund), 42 USC 9601 et seq.
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CFR	Code of Federal Regulations
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency (Federal)
EPA #	Generator # for RCRA manifesting
HMBP	Hazardous Materials Business Plans, H&S Code 25504
HWIS	Hazardous Waste Information System
LUFT	Leaking Underground Fuel Tank
LUST	Leaking Underground Storage Tank
MSDS	Material Safety Data Sheet
NEPA	National Environmental Policy Act
NIOSH	National Institute for Occupational Safety & Health
NPDES	National Pollution Discharge Elimination System (CWA)
NPL	National Priority List (Federal Superfund)
OEA	Office of Environmental Affairs
OSHA	Occupational Safety and Health Administration (Federal)
PCB	Polychlorinated biphenyl
POTW	Publicly-Owned Treatment Works
ppb	part per billion
ppm	part per million
PRP	Potentially Responsible Party (in Superfund site)
RAP	Remedial Action Plan
RCRA	Resource Conservation and Recovery Act (Federal) 42 USC 6902, 40 CFR
R&D	Research and Development
REA	Registered Environmental Assessor
RG	Registered Geologist
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision (CERCLA)
RP	Responsible Party (CERCLA) 42 UCF 9607(a)

RQReportable Quantity
(under DOT CERCLA and SARA Title III)
 RWQCBRegional Water Quality Control Board
 SARASuperfund amendments and Reauthorization Act of 1986
SARA Title III Emergency Preparedness and Community
Right-to-Know section
 SB.....Senate Bill
 SICStandard Industrial Classification
(company description)
 SOPStandard Operating Procedures
 SWA.....Solid Waste Act (a/k/a RCRA)
 SWMUSolid Waste Management Unit
 TPCAToxic Pits Cleanup Act H&S Code 25208 et seq.
 TSCAToxic Substance Control Act (Federal)
15 USC 2601 et seq.
 TSDTreatment, Storage, and Disposal Facilities (permitted by RCRA) H&S Code
25123.3
 TSDF.....Treatment, Storage, Disposal Facility (hazardous waste)
 UBCUniform Building Code
 UFC.....Uniform Fire Code
 USTUnderground Storage Tank
 UM.....Uniform Manifest
 UST.....Underground Storage Tanks
 VOCVolatile Organic Compound H&S 25123.6
 WDRWaste Discharge Requirements
 WWTPWastewater Treatment Plant

SELECTED DEFINITIONS

ASPIS - This database lists potentially hazardous waste sites identified by the Historical Abandoned site Survey Program.

CERCLIS - The Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) is commonly referred to as "Superfund". The United States Environmental Protection Agency maintains a database referred to as "CERCLIS", which is used by the EPA to track activities conducted under its Superfund Program.

Sites which come to EPA's attention that may have a potential for releasing hazardous substances into the environment are added to the CERCLIS inventory. EPA learns of these sites in various ways. Examples include notification by the owner, citizen complaints, state and local government identification, and as a result of other EPA investigations.

NPL - The United States Environmental Protection Agency (EPA) maintains a National Priorities List (NPL) under the Comprehensive Environmental Response and Liability Act of 1980 (CERCLA), 42 U.S.C. Section 9601 (1985). Sites which have previously been designated on the CERCLIS List are evaluated by the EPA and ranked according to potential risk to human health and the environment. Those CERCLIS sites which present the greatest risk are added to the NPL, which qualifies them to receive remedial funding Through CERCLA.

RCRA - The following list has been compiled from a search of the RCRA data base list for generators (gen), transporters (trans), and treatment storage disposal facilities (TSDF) of hazardous materials. All generators of waste material are required by the Department of Health Services to have hazardous material removed from the site every sixty days. The list is generally representative of the type of businesses in the region surrounding the subject property.

REPORT SIGNATURE SHEET AND CERTIFICATION

The undersigned hereby certifies that:

The following people have prepared, written, and/or reviewed the Phase I Environmental Assessment Report. All the below parties have, in good faith, conducted their respective project responsibilities using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar fields.

All parties have acted in good faith and have no known relationship with the subject site, owners, buyers, or any other entity associated with the subject site. All respective project responsibilities have been conducted independently, and with no conflict of interest.

The statements of fact contained in this report are true and correct based on materials reviewed.

The reported analyses, opinions, and conclusions are personal, unbiased, professional, and limited only by the assumptions and qualifications stated herein. Compensation is not contingent upon an action or an event resulting from the analyses, opinions, or conclusions included in this report. Nor is it contingent upon the use of this report.

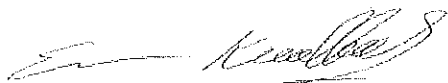
The investigation has been performed in accordance with all applicable legal requirements and in accordance with accepted practices prevailing in the environmental assessment and asbestos consulting industries. The personnel who performed the investigation are properly licensed and certified in accordance with the requirements of all federal, state, and local laws, rules, and regulations.

I/We declare that, to the best of our professional knowledge and belief, I/we meet the definition of Environmental Professional as defined in §312.10 of this part.

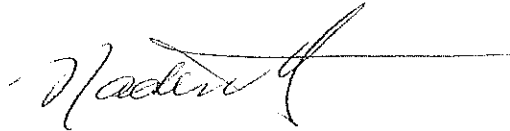
I/We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I/We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

We have no present or prospective interest in the subject property or the parties involved.

If necessary, expert testimony and other legal appearances will be provided for a reasonable fee to be arranged.



Eric Kieselbach
President, Technical Reviewer



Nadine Kieselbach
Report Writer



Eric Exton
Operations Manager

