

## **Appendix F**

### **Medical Monitoring Program**

## **Appendix F: Medical Monitoring Program**

The workers most likely to be exposed to contaminated materials at the Site are sampling and inspection personnel. These personnel are included in this Medical Monitoring Program.

The purposes of the Medical Monitoring Program are to identify any illness or problem that would put an employee at an unusual risk from exposures; to ensure that each employee can use negative-pressure respirators safely and withstand heat or cold stress; and to establish and maintain a medical data base for employees to monitor any abnormalities that may be related to work exposure and that could increase injury risk for the employee or others in the performance of job functions. The Medical Monitoring Program includes:

- A baseline physical examination;
- A medical determination of fitness of duty, including work restrictions after any job-related injury or illness or non job-related absence lasting more than three working days;
- The review of each Site-specific Health and Safety Plan and potential exposure list to determine the need for specific biological and medical monitoring; and
- Annual and exit physical examinations with attention given to specific exposures or symptoms.

### ***Baseline Physical Examination***

- A Baseline Physical Examination will be performed on each employee engaged in hazardous waste activities. The purposes of this examination are to identify any illness or problem that would put an employee at unusual risk from certain exposures; to certify the safe use of negative-pressure respirators (OSHA Safety and Health Standard 29 CFR 1910.134); and to develop a database for the assessment of exposure-related events detected through periodic medical monitoring. Variable data, such as age, sex, race, smoking, prior employment, and exposure history, that may have a bearing on the occurrence of subsequent events after employment begins will be gathered.
- The content of the Baseline Physical Examination will include:
- Medical, occupational, and fertility histories;
- A physical examination, stressing neurological, cardiopulmonary, musculoskeletal, and skin systems;
- An electrocardiogram;
- PA and lateral chest x-rays;
- A pulmonary function test (FEV1, FVC, FEV 25-75);
- An audiogram;
- A multi-chemistry blood panel, including kidney and liver function tests, CBC with differential, and urinalysis;

- Tests deemed necessary by symptoms or exposure history;
- A red blood cell cholinesterase; and
- Physical parameters, including blood pressure and visual acuity testing.

#### ***Annual Physical Examination***

An examination and updated occupational history will be performed on an annual basis during the anniversary month of the baseline physical examination. The Annual Physical Examination serves to identify and prevent illness caused by cumulative exposure to toxic substances.

The Annual Physical Examination will include:

- A personal work history (based on specific project histories);
- A physical examination, stressing neurological, cardiopulmonary, musculoskeletal, and skin systems;
- Pulmonary function test (FEV1, FVC, FEV 25-75);
- A multi-chemistry blood panel, including kidney and liver function test;
- An audiogram;
- Tests deemed necessary by symptoms or exposure history; and
- An optional wellness profile.

#### ***Return to Work Examination***

Any job-related illness or injury will be followed by a medical examination to determine fitness for duty or possible job restrictions based on the physical findings of the medical examiner. A similar examination will be performed following three missed workdays caused by a non job-related illness or injury requiring medical intervention.

#### ***Exit Physical Examination***

The content of the Exit Physical Examination will include:

- a personal work history (based on specific project histories);
- medical, exposure, and fertility histories;
- a physical examination, stressing neurological, cardiopulmonary, musculoskeletal, and skin systems;
- a pulmonary function test (FEV1, FVC, FEV 25-75);
- an electrocardiogram;
- PA and lateral chest x-rays;
- an audiogram;

- a multi-chemistry blood panel, including kidney and liver function tests, CBC with differential, and urinalysis;
- tests deemed necessary by symptoms or exposure history;
- a red blood cell cholinesterase; and
- physical parameters, including blood pressure and visual acuity testing.

## **Appendix G**

### **Properties of Contaminants of Concern and Toxicological Profiles**

## Appendix G: Properties of Contaminants of Concern and Toxicological Profiles

Contaminant of Concern (COC)	Route of Exposure	Symptoms	Target Organs
Tetrachloroethylene (PCE)	Inhalation, absorption, ingestion, contact	Irritated eyes, skin, nose, throat, and respiratory system; nausea; flushed face and neck; dizziness, incoherence; headache, drowsiness; skin erythema (skin redness); liver damage [carcinogen]	Eyes, skin, respiratory system, liver, kidneys, CNS [in animals: liver tumors]
Trichloroethylene (TCE)	Inhalation, absorption, ingestion, contact	Irritated eyes and skin; headaches, visible distress, lassitude, dizziness, tremors drowsiness, nausea, and vomiting, dermatitis; cardiac arrhythmia and paresthesia; liver injury [carcinogen]	Eyes, skin respiratory system, heart, liver, kidneys, CHS [in animals: liver and kidney cancer]
1,2-Dichloroethylene (1,2-DCE)	Inhalation, absorption, ingestion, and contact	Irritated eyes, skin and throat; dizziness, headache, nausea, dyspnea (breathing difficulty); liver and kidney distress; pneumonia [carcinogen]	Eyes, skin, respiratory system, CNS, liver, kidneys [in animals: liver and kidney tumors]
Metals (arsenic)	Inhalation, ingestions and contact	Lassitude and insomnia; facial pallor; anorexia, low-weight, and malnutrition; constipation abdominal pain, colic; anemia; gingival lead line; tremors; paralysis of the wrists or ankles; encephalopathy; kidney disease; irritation of the eyes; hypotension	Eyes, GI tract, CNS, kidneys, blood, gingival tissue

## **Appendix H**

### **Site Safety Officer Responsibilities**

## **Appendix H: Site Safety Officer Responsibilities**

An SSO will be designated. The responsibilities of the SSO will include the following:

- briefing personnel on the hazards at the Site, the standard operating procedures to be employed, and emergency procedures;
- conducting on-site health monitoring;
- coordinating access control and Site security, including responsibility for protection of third parties, such as visitors or the surrounding community;
- monitoring work practices and decontamination to ensure that required procedures are being followed;
- being available to document and respond to any concerns or complaints made by on-site personnel;
- documenting unsafe work practices or conditions;
- documenting any accidents or incidents that result in illness or injury to personnel; and
- evaluating and amending the HASP daily to remedy deficiencies and post entry briefings.

## **Appendix I**

### **Authorized Changes to Health and Safety Plan**

**Appendix I: Authorized Changes to HASP**

**Insert the following changes and replace affected pages:**

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Project Manager

Date

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Health and Safety Manager

Date

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Site Safety Officer

Date

## **Appendix J**

**Accident Report Form**

## **ACCIDENT REPORT FORM**

Site Name \_\_\_\_\_

Date of Incident \_\_\_\_\_

Name of Injured Person \_\_\_\_\_

Reported by \_\_\_\_\_

Job # \_\_\_\_\_

## Scope of Work

Report of Injury to  
(Site Health and Safety Officer): \_\_\_\_\_ Time: \_\_\_\_\_ Date: \_\_\_\_\_

**DESCRIPTION OF INJURY:**

## **Appendix K**

### **HASP Acknowledgement Sheet**

## HASP ACKNOWLEDGEMENT SHEET

**Project Manager** Mike Cassidy

Tel: 949-606-4304

Site Safety Officer      Reid Shigeno

Tel: 714-319-6686

The following have

The following have read this plan and understand its provisions:

## **Appendix L**

### **Emergency Evacuation Staging Area**

## **Appendix M**

### **Lockout/Tagout Program**

## **Appendix N**

**Rule 1166 VOC Monitoring Program**

# **EXHIBIT D**



May 16, 2013

Via Email

Dr. Arthur G. Heath  
Chief, Remediation Section  
California Regional Water Quality Control Board - Los Angeles Region  
320 West 4<sup>th</sup> Street, Suite 200  
Los Angeles, CA 90013

***Subject: 12922 Panama Street, Los Angeles: Notification of Preliminary Subsurface Soil, Soil Gas, and Groundwater Investigation Results and Request for Oversight***

Dear Dr. Heath:

Per our conversation on May 10, 2013 concerning the discovery of contamination at 12922 Panama Street, Los Angeles and associated reporting to the appropriate state and local entities, the purpose of this letter is to request your agency's oversight and inform you of the preliminary results of a subsurface soil, soil gas, and groundwater investigation commissioned by Teledyne Microelectronics Technologies (TMT) at its leased properties located on Panama Street (collectively referred to as the "Panama Street Site"). TMT would like to stress its desire for an expeditious resolution of this matter and is taking active steps at the Panama Street Site to further delineate the contamination and understand local groundwater dynamics.

TMT is planning to terminate its lease of the Panama Street Site properties effective July 31, 2013. As part of the lease termination process TMT, in conjunction with the Panama Street Site property owners (Ron-Pan LLC et al), engaged Alta Environmental (Alta) to conduct an initial site evaluation. The evaluation included an investigation of the subsurface soil, soil gas, and groundwater. Preliminary results indicate that the soils, soil gas and groundwater underlying certain areas of the Panama Street Site are contaminated with volatile organic compounds (VOCs), composed primarily of chlorinated hydrocarbons, e.g. tetrachloroethylene, trichloroethylene, and cis-1,2 dichloroethylene. Attached as Attachment I is a copy of a transmittal from Alta Environmental containing the preliminary data gathered thus far. Mike Cassidy of Alta will be the chief environmental consultant on this project.

TMT recognizes that further site evaluation and remediation may be required and requests that the Regional Board provide the appropriate oversight for these activities. It is TMT's goal to accomplish all agency objectives and to do so in a manner that reduces time, minimizes costs and provides an acceptable remedy for all.

TMT has reviewed the Regional Board's Site Cleanup Program Oversight Cost Reimbursement Account guidance information that you emailed. TMT is prepared to enter into an oversight cost reimbursement agreement with the Board and will forward appropriate paperwork at your request.

Thank you for your consideration of this matter. Please contact the undersigned if you have any questions relating to this matter.

Sincerely,

A handwritten signature in black ink that reads "Mark Egbert for: Michael Shearer".

Michael Shearer  
Director Environment, Health and Safety  
Teledyne Technologies Incorporated  
12964 Panama Street  
Los Angeles, CA 90066

Office: (310) 577-3856  
Cell: (310) 283-2970  
Email: [mshearer@teledyne.com](mailto:mshearer@teledyne.com)

Attachments:

- 1) Alta Environmental Panama Street Site Evaluation Preliminary Results

cc Mark Egbert, Sr. Director Environment, Health, and Safety – Teledyne Technologies Incorporated

Melanie S. Cibik, Sr. Vice President, General Counsel, and Secretary – Teledyne Technologies Incorporated

Mike Cassidy, Vice President, Site Assessment & Remediation – Alta Environmental

Dana Palmer, Senior Counsel – McGuireWoods, LLP

## **ATTACHMENT I**

Alta Environmental Panama Street Site Evaluation Preliminary Results



May 16, 2013

Mr. Dana Palmer  
**McGuireWoods, LLP**  
1800 Century Park East, 8<sup>th</sup> Floor  
Los Angeles, California 90067

**Re: Laboratory Results**  
**12922 Panama Street, Los Angeles, California**

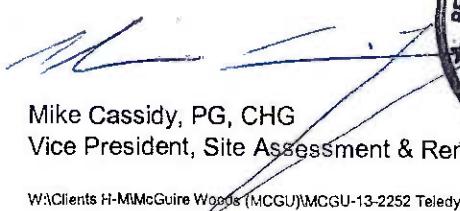
**Alta Environmental Proposal No. MCGU-13-2252**

Dear Mr. Palmer:

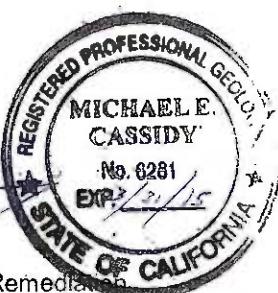
Attached are the laboratory results from our recent investigation at the above-referenced site. All samples were collected and then transferred via chain-of-custody to state of California-approved laboratories for analysis under the supervision of the undersigned. The laboratory results show impacts to soil, soil gas, and groundwater. A site plan showing the sample locations is also attached. Alta will prepare and submit a professional report with findings, conclusions, and recommendations once a regulatory agency is engaged in the process.

Respectfully submitted by:

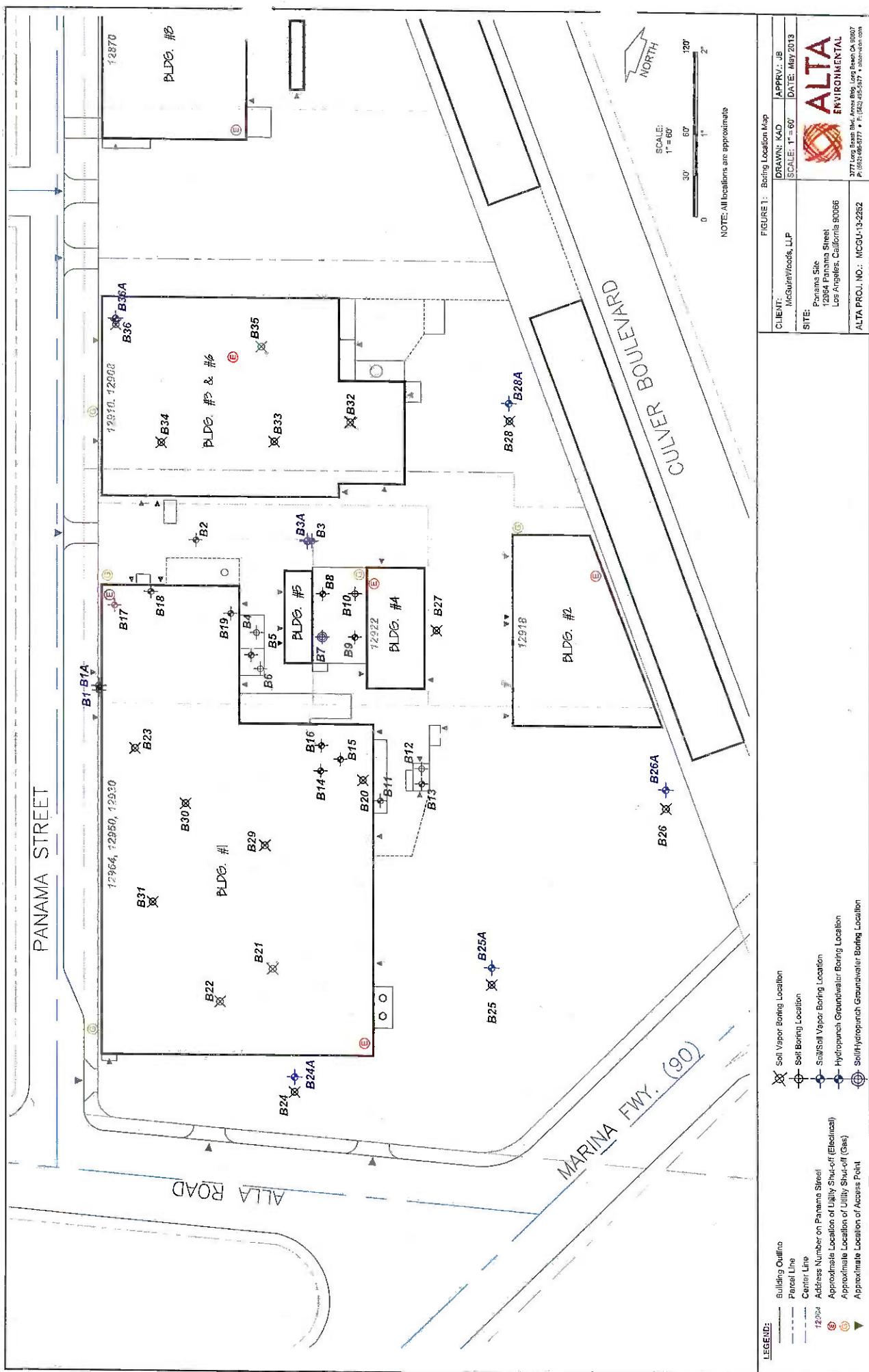
Alta Environmental



Mike Cassidy, PG, CHG  
Vice President, Site Assessment & Remediation



W:\Clients\H-McGuire Woods (MCGU)\MCGU-13-2252 Teledyne Due Diligence\Work  
Product - Drafts\MCGU-13-2552 Cover Letter.docx



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# AMERICAN SCIENTIFIC LABORATORIES, LLC

*Environmental Testing Services*

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

ALTA Environmental  
3777 Long Beach Blvd. Annex Bl  
Long Beach, CA 90807-

Number of Pages 22

Date Received 04/25/2013

Date Reported 05/02/2013

Telephone (562) 495-5777  
Attn Reid Shigeno

Job Number	Ordered	Client
56776	04/25/2013	ALTAEN

Project ID: MCGU-13-2252

Project Name: Panama Site

Site: 12964 Panama St.  
L.A., CA

Enclosed are the results of analyses on 9 samples analyzed as specified on attached chain of custody.

Wendy Lu

Wendy Lu  
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



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*Environmental Testing Services*

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ANALYTICAL RESULTS

**Ordered By**

ALTA Environmental  
 3777 Long Beach Blvd. Annex Bl  
 Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

Page: 2

Project ID: MCGU-13-2252  
 Project Name: Panama Site

**Site**

12964 Panama St.  
 L.A., CA

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTL)

QC Batch No: 043013-2

Our Lab I.D.	296618	296619	296621	296622	296624
Client Sample I.D.	B2-2.5	B2-5	B3-2.5	B3-5	B28-2.5
Date Sampled	04/25/2013	04/25/2013	04/25/2013	04/25/2013	04/25/2013
Date Prepared	04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Preparation Method					
Date Analyzed	05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix	Soil	Soil	Soil	Soil	Soil
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results
AA Metals					
Mercury	0.0500	0.125	ND	ND	0.0703
ICP Metals					
Antimony	0.500	ND	ND	ND	ND
Arsenic	0.250	3.37	12.8	2.54	4.68
Barium	0.500	111	91.3	89.6	88.8
Beryllium	0.500	ND	0.551	ND	ND
Cadmium	0.500	3.35	3.06	1.60	2.24
Chromium	0.500	43.3	31.9	27.8	26.5
Cobalt	0.500	8.60	8.79	7.17	7.12
Copper	0.500	173	29.2	23.1	19.6
Lead	0.250	16.6	4.74	3.17	3.25
Molybdenum	0.500	0.792	4.50	ND	3.52
Nickel	0.500	24.6	28.1	18.7	24.8
Selenium	0.500	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND
Vanadium	0.500	44.9	62.0	44.8	39.9
Zinc	0.500	89.4	58.3	41.1	42.4

QUALITY CONTROL REPORT

QC Batch No: 043013-2

Analytes	LCS % REC	LCS/LCSD % Limit							
AA Metals									
Mercury	110	80-120							
ICP Metals									
Antimony	99	80-120							
Arsenic	97	80-120							





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ANALYTICAL RESULTS

Ordered By

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 3777 Long Beach Blvd. Annex B1  
 Long Beach, CA 90807

Telephone: (562)495-5777

Attn: Reid Shigeno

Page: 4

Project ID: MCGU-13-2252

Project Name: Panama Site

Site

12964 Panama St.  
 L.A., CA

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 043013-2

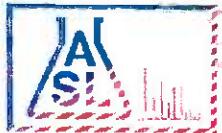
Our Lab I.D.	POL	Results
Client Sample I.D.		B28-5.0
Date Sampled		04/25/2013
Date Prepared		04/30/2013
Preparation Method		
Date Analyzed		05/02/2013
Matrix		Soil
Units		mg/Kg
Dilution Factor		1
AA Metals		
Mercury	0.0500	ND
ICP Metals		
Antimony	0.500	ND
Arsenic	0.250	2.62
Barium	0.500	62.4
Beryllium	0.500	ND
Cadmium	0.500	1.22
Chromium	0.500	29.7
Cobalt	0.500	4.89
Copper	0.500	17.2
Lead	0.250	2.23
Molybdenum	0.500	ND
Nickel	0.500	22.3
Selenium	0.500	ND
Silver	0.500	ND
Thallium	0.500	ND
Vanadium	0.500	41.0
Zinc	0.500	37.1

QUALITY CONTROL REPORT

QC Batch No: 043013-2

Analytes	LCS % REC	LCS/LCSD % Limit							
AA Metals									
Mercury	110	80-120							
ICP Metals									
Antimony	99	80-120							
Arsenic	97	80-120							





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**ANALYTICAL RESULTS**

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Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

Page: 6

Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-050113

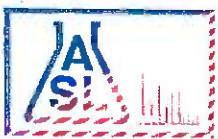
Our Lab I.D.		296618	296619				
Client Sample I.D.		B2-2.5	B2-5				
Date Sampled		04/25/2013	04/25/2013				
Date Prepared		05/01/2013	05/01/2013				
Preparation Method							
Date Analyzed		05/01/2013	05/01/2013				
Matrix		Soil	Soil				
Units		mg/Kg	mg/Kg				
Dilution Factor		1	1				
Analytes	PQL	Results	Results				
TPH DROs (C10 to C28)	10.0	ND	ND				
TPH OROs (C28+)	50.0	ND	ND				

Our Lab I.D.		296618	296619				
Surrogates	% Rec.Limit	% Rec.	% Rec.				
Surrogate Percent Recovery							
Chlorobenzene	70-120	90	88				

**QUALITY CONTROL REPORT**

QC Batch No: S1D-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Diesel	98	98	<1	75-120	<20						



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**ANALYTICAL RESULTS**

**Ordered By**

ALTA Environmental  
 3777 Long Beach Blvd. Annex Bl.  
 Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

Page: 7

Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
 L.A., CA

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1P-050113

Our Lab I.D.		296621	296622	296624	296625	
Client Sample I.D.		B3-2.5	B3-5	B28-2.5	B28-5.0	
Date Sampled		04/25/2013	04/25/2013	04/25/2013	04/25/2013	
Date Prepared		05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Preparation Method						
Date Analyzed		05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		I	I	I	I	
Analytes	PQL	Results	Results	Results	Results	
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	
TPH OROs (C28+)	50.0	ND	ND	ND	ND	

Our Lab I.D.		296621	296622	296624	296625	
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Surrogate Percent Recovery						
Chlorobenzene	70-120	101	105	103	106	

**QUALITY CONTROL REPORT**

QC Batch No: S1P-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	99	97	2.0	75-120	<20					



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ANALYTICAL RESULTS

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Telephone: (562)495-5777

Attn: Reid Shigeno

Page: 8

Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
 L.A., CA

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1-050113

Our Lab I.D.		296618	296619	296621	296622	296624
Client Sample I.D.		B2-2.5	B2-5	B3-2.5	B3-5	B28-2.5
Date Sampled		04/25/2013	04/25/2013	04/25/2013	04/25/2013	04/25/2013
Date Prepared		05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Preparation Method						
Date Analyzed		05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH GROs (C6 to C10)	0.500	ND	ND	ND	ND	ND

Our Lab I.D.		296618	296619	296621	296622	296624
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	71	112	111	100	103

QUALITY CONTROL REPORT

QC Batch No: S1-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	90	89	1.1	75-120	<20				
Toluene	90	88	2.2	75-120	<20				



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*Environmental Testing Services*

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## ANALYTICAL RESULTS

### Ordered By

ALTA Environmental  
3777 Long Beach Blvd. Annex Bl  
Long Beach, CA 90807

Telephone: (562)495-5777

Attn: Reid Shigeno

Page: 9

Project ID: MCGU-13-2252

Project Name: Panama Site

### Site

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1-050113

Our Lab I.D.		296625					
Client Sample I.D.		B28-5.0					
Date Sampled		04/25/2013					
Date Prepared		05/01/2013					
Preparation Method							
Date Analyzed		05/01/2013					
Matrix		Soil					
Units		mg/Kg					
Dilution Factor		1					
Analytes	PQL	Results					
TPH GROs (C6 to C10)	0.500	ND					

Our Lab I.D.		296625					
Surrogates	% Rec.Limit	% Rec.					
Surrogate Percent Recovery							
Bromofluorobenzene	70-120	113					

## QUALITY CONTROL REPORT

QC Batch No: S1-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	90	89	1.1	75-120	<20						
Toluene	90	88	2.2	75-120	<20						



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

**Ordered By**

ALTA Environmental  
3777 Long Beach Blvd. Annex B!  
Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

Page: 10

Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-043013

Our Lab I.D.	PQL	296618	296619	296621	296622	296624
Client Sample I.D.		B2-2.5	B2-5	<b>B3-2.5</b>	B3-5	B28-2.5
Date Sampled		04/25/2013	04/25/2013	04/25/2013	04/25/2013	04/25/2013
Date Prepared		04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Preparation Method						
Date Analyzed		04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Acetone	50.0	65.7	ND	103	ND	ND
Benzene	2.00	ND	ND	ND	ND	2.40
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND



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**ANALYTICAL RESULTS**

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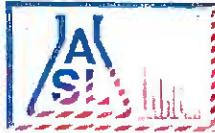
Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-043013

Our Lab I.D.	PQL	Results	Results	Results	Results	Results
Client Sample I.D.		B2-2.5	B2-5	B3-2.5	B3-5	B28-2.5
Date Sampled		04/25/2013	04/25/2013	04/25/2013	04/25/2013	04/25/2013
Date Prepared		04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Preparation Method						
Date Analyzed		04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND	ND	ND	20.9
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
 Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-043013

Our Lab I.D.		296618	296619	296621	296622	296624
Client Sample I.D.		B2-2.5	B2-5	B3-2.5	B3-5	B28-2.5
Date Sampled		04/25/2013	04/25/2013	04/25/2013	04/25/2013	04/25/2013
Date Prepared		04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Preparation Method						
Date Analyzed		04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND

Our Lab I.D.		296618	296619	296621	296622	296624
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	106	100	108	96	112
Dibromofluoromethane	70-120	112	114	112	116	106
Toluene-d8	70-120	98	96	96	96	96

**QUALITY CONTROL REPORT**

QC Batch No: S1C-043013

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit						
Benzene	112	114	1.8	75-120	15						
Chlorobenzene	89	94	5.5	75-120	15						
I,1-Dichloroethene (1,1-Dichloroethylene)	85	85	<1	75-120	15						
MTBE	93	99	6.3	75-120	15						
Toluene (Methyl benzene)	103	105	1.9	75-120	15						
Trichloroethene (TCE)	96	101	5.1	75-120	15						



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ANALYTICAL RESULTS

Ordered By

ALTA Environmental  
3777 Long Beach Blvd. Annex Bl  
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Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252  
Project Name: Panama Site

Site

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-043013

Our Lab I.D.	PQL	Results
Client Sample I.D.		B28-5.0
Date Sampled		04/25/2013
Date Prepared		04/30/2013
Preparation Method		
Date Analyzed		04/30/2013
Matrix		Soil
Units		ug/kg
Dilution Factor		1
Analytes	PQL	Results
Acetone	50.0	ND
Benzene	2.00	ND
Bromobenzene (Phenyl bromide)	10.0	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND
Bromoform (Tribromomethane)	50.0	ND
Bromomethane (Methyl bromide)	30.0	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND
n-Butylbenzene	10.0	ND
sec-Butylbenzene	10.0	ND
tert-Butylbenzene	10.0	ND
Carbon disulfide	10.0	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND
Chlorobenzene	10.0	ND
Chloroethane	30.0	ND
2-Chloroethyl vinyl ether	50.0	ND
Chloroform (Trichloromethane)	10.0	ND
Chloromethane (Methyl chloride)	30.0	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND
Dibromochloromethane	10.0	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND
Dibromomethane	10.0	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND
Dichlorodifluoromethane	30.0	ND
1,1-Dichloroethane	10.0	ND



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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-043013

Our Lab I.D.	POL	Results			
Client Sample I.D.		296625			
Date Sampled		B38-5.0			
Date Prepared		04/25/2013			
Preparation Method		04/30/2013			
Date Analyzed		04/30/2013			
Matrix		Soil			
Units		ug/kg			
Dilution Factor		1			
Analytes	POL	Results			
1,2-Dichloroethane	10.0	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND			
cis-1,2-Dichloroethene	10.0	ND			
trans-1,2-Dichloroethene	10.0	ND			
1,2-Dichloropropane	10.0	ND			
1,3-Dichloropropane	10.0	ND			
2,2-Dichloropropane	10.0	ND			
1,1-Dichloropropene	10.0	ND			
cis-1,3-Dichloropropene	10.0	ND			
trans-1,3-Dichloropropene	10.0	ND			
Ethylbenzene	2.00	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND			
2-Hexanone	50.0	ND			
Isopropylbenzene	10.0	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND			
MTBE	5.00	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND			
Methylene chloride (Dichloromethane, DCM)	50.0	ND			
Naphthalene	10.0	ND			
n-Propylbenzene	10.0	ND			
Styrene	10.0	ND			
1,1,1,2-Tetrachloroethane	10.0	ND			
1,1,2,2-Tetrachloroethane	10.0	ND			
Tetrachloroethene (Tetrachloroethylene)	10.0	ND			
Toluene (Methyl benzene)	2.00	ND			
1,2,3-Trichlorobenzene	10.0	ND			
1,2,4-Trichlorobenzene	10.0	ND			
1,1,1-Trichloroethane	10.0	ND			
1,1,2-Trichloroethane	10.0	ND			
Trichloroethene (TCE)	10.0	ND			
Trichlorofluoromethane	10.0	ND			
1,2,3-Trichloropropane	10.0	ND			
1,2,4-Trimethylbenzene	10.0	ND			
1,3,5-Trimethylbenzene	10.0	ND			
Vinyl acetate	50.0	ND			



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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
 Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-043013

<b>Our Lab I.D.</b>		<b>296625</b>				
Client Sample I.D.		B28-1.0				
Date Sampled		04/25/2013				
Date Prepared		04/30/2013				
Preparation Method						
Date Analyzed		04/30/2013				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		1				
<b>Analytics</b>	<b>PQL</b>	<b>Results</b>				
Vinyl chloride (Chloroethene)	30.0	ND				
o-Xylene	2.00	ND				
m- & p-Xylenes	4.00	ND				

<b>Our Lab I.D.</b>		<b>296625</b>				
<b>Surrogates</b>		<b>% Rec.Limit</b>	<b>% Rec.</b>			
<b>Surrogate Percent Recovery</b>						
Bromofluorobenzene		70-120	103			
Dibromofluoromethane		70-120	106			
Toluene-d8		70-120	96			

QUALITY CONTROL REPORT

QC Batch No: S1C-043013

<b>Analytics</b>	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit						
Benzene	112	114	1.8	75-120	15						
Chlorobenzene	89	94	5.5	75-120	15						
1,1-Dichloroethene (1,1-Dichloroethylene)	85	85	<1	75-120	15						
MTBE	93	99	6.3	75-120	15						
Toluene (Methyl benzene)	103	105	1.9	75-120	15						
Trichloroethene (TCE)	96	101	5.1	75-120	15						



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## ANALYTICAL RESULTS

Ordered By

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Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252  
Project Name: Panama Site

### Site

12964 Panama St.  
L.A., CA

Project ID:	MCGU-13-2252	ASL Job Number	Submitted	Client
Project Name:	Panama Site	56776	04/25/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTL)C

QC Batch No: 043013-1

<b>Our Lab I.D.</b>		296617	296620	296623	
Client Sample I.D.		B24A	B3A	B28A	
Date Sampled		04/25/2013	04/25/2013	04/25/2013	
Date Prepared		04/30/2013	04/30/2013	04/30/2013	
Preparation Method					
Date Analyzed		05/01/2013	05/01/2013	05/01/2013	
Matrix		Water	Water	Water	
Units		mg/L	mg/L	mg/L	
Dilution Factor		1	1	1	
<b>Analytes</b>	PQL	<b>Results</b>	<b>Results</b>	<b>Results</b>	
<b>AA Metals</b>					
Mercury	0.0005	ND	ND	ND	
<b>ICP Metals</b>					
Antimony	0.0100	ND	ND	ND	
Arsenic	0.0100	ND	ND	ND	
Barium	0.0100	0.0751	0.0446	0.0297	
Beryllium	0.0050	ND	ND	ND	
Cadmium	0.0050	ND	ND	ND	
Chromium	0.0100	ND	ND	ND	
Cobalt	0.0100	ND	ND	ND	
Copper	0.0100	ND	ND	ND	
Lead	0.0050	ND	ND	ND	
Molybdenum	0.0100	0.0580	0.0559	0.0210	
Nickel	0.0100	0.0168	0.0161	0.0106	
Selenium	0.0100	0.0267	0.0177	0.0113	
Silver	0.0100	ND	ND	ND	
Thallium	0.0100	ND	ND	ND	
Vanadium	0.0100	ND	ND	ND	
Zinc	0.0100	ND	ND	ND	

## QUALITY CONTROL REPORT

QC Batch No: 043013-1

QC Batch No. 643013-1								
Analytes	LCS % REC	LCS/LCSD % Limit						
<b>AA Metals</b>								
Mercury	105	80-120						
<b>ICP Metals</b>								
Antimony	101	80-120						
Arsenic	100	80-120						



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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTL)C

## QUALITY CONTROL REPORT

QC Batch No: 043013-1



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## ANALYTICAL RESULTS

**Ordered By**

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Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: W1P-050113

Our Lab I.D.	296617	296620	296623		
Client Sample I.D.	B24A	B3A	B28A		
Date Sampled	04/25/2013	04/25/2013	04/25/2013		
Date Prepared	05/01/2013	05/01/2013	05/01/2013		
Preparation Method					
Date Analyzed	05/01/2013	05/01/2013	05/01/2013		
Matrix	Water	Water	Water		
Units	mg/L	mg/L	mg/L		
Dilution Factor	1	1	1		
Analytes	PQL	Results	Results	Results	
TPH DROs (C10 to C28)	0.500	ND	ND	ND	
TPH OROs (C28+)	0.500	ND	ND	ND	

Our Lab I.D.	296617	296620	296623		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	
Surrogate Percent Recovery					
Chlorobenzene	70-120	108	111	109	

## QUALITY CONTROL REPORT

QC Batch No: W1P-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	98	97	1.0	75-120	<20					



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ANALYTICAL RESULTS

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Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: W1-050113

Our Lab I.D.		296617	296620	296623		
Client Sample I.D.		B24A	B3A	B28A		
Date Sampled		04/25/2013	04/25/2013	04/25/2013		
Date Prepared		05/01/2013	05/01/2013	05/01/2013		
Preparation Method						
Date Analyzed		05/01/2013	05/01/2013	05/01/2013		
Matrix		Water	Water	Water		
Units		ug/L	ug/L	ug/L		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
TPH GROs (C6 to C10)	50.0	ND	ND	ND		

Our Lab I.D.		296617	296620	296623		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	103	108	103		

QUALITY CONTROL REPORT

QC Batch No: W1-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
TPH GROs (C6 to C10)	105	105	<1	75-120	<20					



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Project ID: MCGU-13-2252  
Project Name: Panama Site

Site

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050113

Our Lab I.D.	PQL	Results	Results	Results
Client Sample I.D.		B24A	B3A	B28A
Date Sampled		04/25/2013	04/25/2013	04/25/2013
Date Prepared		05/01/2013	05/01/2013	05/01/2013
Preparation Method				
Date Analyzed		05/01/2013	05/01/2013	05/01/2013
Matrix		Water	Water	Water
Units		ug/L	ug/L	ug/L
Dilution Factor		1	1	1
Analytes	PQL	Results	Results	Results
Acetone	5.00	ND	ND	ND
Benzene	1.00	ND	ND	ND
Bromobenzene (Phenyl bromide)	1.00	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	1.00	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	1.00	ND	ND	ND
Bromoform (Tribromomethane)	5.00	ND	ND	ND
Bromomethane (Methyl bromide)	3.00	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.00	ND	ND	ND
n-Butylbenzene	1.00	ND	ND	ND
sec-Butylbenzene	1.00	ND	ND	ND
tert-Butylbenzene	1.00	ND	ND	ND
Carbon disulfide	1.00	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	1.00	ND	ND	ND
Chlorobenzene	1.00	ND	ND	ND
Chloroethane	3.00	ND	ND	ND
2-Chloroethyl vinyl ether	5.00	ND	ND	ND
Chloroform (Trichloromethane)	1.00	ND	ND	ND
Chloromethane (Methyl chloride)	3.00	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.00	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	1.00	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	5.00	ND	ND	ND
Dibromochloromethane	1.00	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	1.00	ND	ND	ND
Dibromomethane	1.00	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.00	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.00	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	1.00	ND	ND	ND
Dichlorodifluoromethane	3.00	ND	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050113

Our Lab I.D.	PQL	Results	Results	Results
Client Sample I.D.		B24A	B3A	B28A
Date Sampled		04/25/2013	04/25/2013	04/25/2013
Date Prepared		05/01/2013	05/01/2013	05/01/2013
Preparation Method				
Date Analyzed		05/01/2013	05/01/2013	05/01/2013
Matrix		Water	Water	Water
Units		ug/L	ug/L	ug/L
Dilution Factor		1	1	1
Analytes	PQL	Results	Results	Results
1,2-Dichloroethane	1.00	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.00	ND	ND	ND
cis-1,2-Dichloroethene	1.00	ND	ND	ND
trans-1,2-Dichloroethene	1.00	ND	ND	ND
1,2-Dichloropropane	1.00	ND	ND	ND
1,3-Dichloropropane	1.00	ND	ND	ND
2,2-Dichloropropane	1.00	ND	ND	ND
1,1-Dichloropropene	1.00	ND	ND	ND
cis-1,3-Dichloropropene	1.00	ND	ND	ND
trans-1,3-Dichloropropene	1.00	ND	ND	ND
Ethylbenzene	1.00	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3.00	ND	ND	ND
2-Hexanone	5.00	ND	ND	ND
Isopropylbenzene	1.00	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	1.00	ND	ND	ND
MTBE	2.00	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	5.00	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	5.00	ND	ND	ND
Naphthalene	1.00	ND	ND	ND
n-Propylbenzene	1.00	ND	ND	ND
Styrene	1.00	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.00	ND	ND	ND
1,1,2,2-Tetrachloroethane	1.00	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	1.00	ND	ND	ND
Toluene (Methyl benzene)	1.00	ND	ND	ND
1,2,3-Trichlorobenzene	1.00	ND	ND	ND
1,2,4-Trichlorobenzene	1.00	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND
1,1,2-Trichloroethane	1.00	ND	ND	ND
Trichloroethene (TCE)	1.00	ND	ND	ND
Trichlorofluoromethane	1.00	ND	ND	ND
1,2,3-Trichloropropane	1.00	ND	ND	ND
1,2,4-Trimethylbenzene	1.00	ND	ND	ND
1,3,5-Trimethylbenzene	1.00	ND	ND	ND
Vinyl acetate	5.00	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050113

Our Lab I.D.		296617	296620	296623		
Client Sample I.D.		B24A	B3A	B28A		
Date Sampled		04/25/2013	04/25/2013	04/25/2013		
Date Prepared		05/01/2013	05/01/2013	05/01/2013		
Preparation Method						
Date Analyzed		05/01/2013	05/01/2013	05/01/2013		
Matrix		Water	Water	Water		
Units		ug/L	ug/L	ug/L		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
Vinyl chloride (Chloroethene)	3.00	ND	ND	ND		
o-Xylene	1.00	ND	ND	ND		
m- & p-Xylenes	2.00	ND	ND	ND		

Our Lab I.D.		296617	296620	296623		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	90	94	90		
Dibromofluoromethane	70-120	92	90	94		
Toluene-d8	70-120	96	92	96		

QUALITY CONTROL REPORT

QC Batch No: W1C-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	106	99	6.8	75-120	15						
Chlorobenzene	95	93	2.1	75-120	15						
1,1-Dichloroethene (1,1-Dichloroethylene)	83	81	2.4	75-120	15						
MTBE	103	107	3.8	75-120	15						
Toluene (Methyl benzene)	102	100	2.0	75-120	15						
Trichloroethene (TCE)	104	102	1.9	75-120	15						



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Number of Pages 37  
Date Received 04/26/2013  
Date Reported 05/03/2013

Telephone (562) 495-5777  
Attn Reid Shigeno

Job Number	Ordered	Client
56792	04/26/2013	ALTAEN

Project ID: MCGU-13-2252

Project Name: Panama Site

Site: 12964 Panama St.  
LA, CA

Enclosed are the results of analyses on 14 samples analyzed as specified on attached chain of custody.

Wendy Lu

Wendy Lu  
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



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Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
 LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 043013-2

Our Lab I.D.		296666	296667	296669	296670	296671
Client Sample I.D.		B1-5	B1-10	B7-2.5	B7-5	B10-2.5
Date Sampled		04/26/2013	04/26/2013	04/26/2013	04/26/2013	04/26/2013
Date Prepared		04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Preparation Method						
Date Analyzed		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
AA Metals						
Mercury	0.0500	ND	ND	0.0761	ND	0.0511
ICP Metals						
Antimony	0.500	ND	ND	0.603	ND	1.09
Arsenic	0.250	14.4	8.68	2.21	4.52	1.53
Barium	0.500	185	101	106	84.4	93.6
Beryllium	0.500	0.706	ND	ND	0.574	ND
Cadmium	0.500	3.47	1.96	2.42	2.26	1.67
Chromium	0.500	43.9	28.9	34.3	33.8	24.1
Cobalt	0.500	13.4	7.97	8.26	7.35	7.25
Copper	0.500	39.3	24.5	184	28.0	42.9
Lead	0.250	5.59	3.58	12.1	4.21	3.06
Molybdenum	0.500	5.24	0.978	0.778	0.955	ND
Nickel	0.500	38.4	27.7	24.2	30.9	17.5
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	80.4	51.7	42.8	51.4	33.9
Zinc	0.500	86.8	53.7	82.5	53.4	53.4

QUALITY CONTROL REPORT

QC Batch No: 043013-2

Analytes	LCS % REC	LCS/LCSD % Limit							
AA Metals									
Mercury	110	80-120							
ICP Metals									
Antimony	99	80-120							
Arsenic	97	80-120							





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Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

### Site

12964 Panama St.  
LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 043013-2

Our Lab I.D.	296672	296673	296674	296675	
Client Sample I.D.	B10-5	B8-2.5	B8-5	B9-2.5	
Date Sampled	04/26/2013	04/26/2013	04/26/2013	04/26/2013	
Date Prepared	04/30/2013	04/30/2013	04/30/2013	04/30/2013	
Preparation Method					
Date Analyzed	05/02/2013	05/02/2013	05/02/2013	05/02/2013	
Matrix	Soil	Soil	Soil	Soil	
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor	1	1	1	1	
Analytes	PQL	Results	Results	Results	Results
AA Metals					
Mercury	0.0500	ND	0.0856	ND	0.103
ICP Metals					
Antimony	0.500	ND	0.605	ND	ND
Arsenic	0.250	8.74	1.65	3.82	3.38
Barium	0.500	103	104	86.1	104
Beryllium	0.500	ND	ND	ND	ND
Cadmium	0.500	2.11	2.08	1.93	3.02
Chromium	0.500	26.7	31.7	30.2	35.7
Cobalt	0.500	9.73	7.70	7.61	8.29
Copper	0.500	22.2	173	24.2	164
Lead	0.250	3.60	10.7	3.69	17.4
Molybdenum	0.500	3.02	ND	2.74	2.79
Nickel	0.500	23.5	21.6	27.5	20.6
Selenium	0.500	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND
Vanadium	0.500	50.2	38.9	41.8	42.3
Zinc	0.500	46.4	78.1	47.8	81.6

## QUALITY CONTROL REPORT

QC Batch No: 043013-2

Analytes	LCS % REC	LCS/LCSD % Limit							
AA Metals									
Mercury	110	80-120							
ICP Metals									
Antimony	99	80-120							
Arsenic	97	80-120							





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Project ID: MCGU-13-2252  
Project Name: Panama Site

### Site

12964 Panama St.  
LA, CA

Project ID:	MCGU-13-2252	ASL Job Number	Submitted	Client
Project Name:	Panama Site	56792	04/26/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 050113-3

<b>Our Lab I.D.</b>		<b>296676</b>				
Client Sample I.D.		B9-5				
Date Sampled		04/26/2013				
Date Prepared		05/01/2013				
Preparation Method						
Date Analyzed		05/02/2013				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>				
<b>AA Metals</b>						
Mercury	0.0500	ND				
<b>ICP Metals</b>						
Antimony	0.500	ND				
Arsenic	0.250	8.95				
Barium	0.500	104				
Beryllium	0.500	0.521				
Cadmium	0.500	2.35				
Chromium	0.500	32.8				
Cobalt	0.500	8.02				
Copper	0.500	27.9				
Lead	0.250	4.00				
Molybdenum	0.500	2.25				
Nickel	0.500	28.1				
Selenium	0.500	ND				
Silver	0.500	ND				
Thallium	0.500	ND				
Vanadium	0.500	28.6				
Zinc	0.500	50.5				

## QUALITY CONTROL REPORT

QC Batch No: 050113-3



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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

## QUALITY CONTROL REPORT

QC Batch No: 050113-3



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Project ID: MCGU-13-2252

Project Name: Panama Site

Site

12964 Panama St.  
 LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-050113

Our Lab I.D.		296666	296667	296669	296670	296671
Client Sample I.D.		B1-5	B1-10	B7-2.5	B7-5	B10-2.5
Date Sampled		04/26/2013	04/26/2013	04/26/2013	04/26/2013	04/26/2013
Date Prepared		05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Preparation Method						
Date Analyzed		05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		296666	296667	296669	296670	296671
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Chlorobenzene	70-120	86	87	86	85	85

QUALITY CONTROL REPORT

QC Batch No: S1D-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	98	98	<1	75-120	<20					



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Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
 LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-050113

Our Lab I.D.		296672	296673	296674	296675	296676
Client Sample I.D.		B10-5	B8-2.5	B8-5	B9-2.5	B9-5
Date Sampled		04/26/2013	04/26/2013	04/26/2013	04/26/2013	04/26/2013
Date Prepared		05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Preparation Method						
Date Analyzed		05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		296672	296673	296674	296675	296676
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Chlorobenzene	70-120	87	87	88	88	86

QUALITY CONTROL REPORT

QC Batch No: S1D-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Diesel	98	98	<1	75-120	<20				



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Project ID: MCGU-13-2252

Project Name: Panama Site

### Site

12964 Panama St.  
LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1-050113

Our Lab I.D.		296666	296667			
Client Sample I.D.		B1-5	B1-10			
Date Sampled		04/26/2013	04/26/2013			
Date Prepared		05/01/2013	05/01/2013			
Preparation Method						
Date Analyzed		05/01/2013	05/01/2013			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
TPH GROs (C6 to C10)	0.500	ND	ND			

Our Lab I.D.		296666	296667			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	113	113			

## QUALITY CONTROL REPORT

QC Batch No: S1-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	90	89	1.1	75-120	<20						
Toluene	90	88	2.2	75-120	<20						



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Project ID: MCGU-13-2252  
 Project Name: Panama Site

**Site**

12964 Panama St.  
 LA, CA

**ANALYTICAL RESULTS**

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2-050113

Our Lab I.D.		296669	296670	296671	296672	296673
Client Sample I.D.		B7-2.5	B7-5	B10-2.5	B10-5	B8-2.5
Date Sampled		04/26/2013	04/26/2013	04/26/2013	04/26/2013	04/26/2013
Date Prepared		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method						
Date Analyzed		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH GROs (C6 to C10)	0.500	ND	ND	ND	ND	ND

Our Lab I.D.		296669	296670	296671	296672	296673
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	94	88	77	73	113

**QUALITY CONTROL REPORT**

QC Batch No: S2-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	83	81	2.4	75-120	<20				
Toluene	81	81	<1	75-120	<20				



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*Environmental Testing Services*

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## ANALYTICAL RESULTS

### Ordered By

ALTA Environmental  
3777 Long Beach Blvd. Annex Bl  
Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

### Site

12964 Panama St.  
LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2-050113

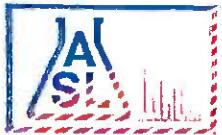
Our Lab I.D.	296674	296675	296676		
Client Sample I.D.	B8-5	B9-2.5	B9-5		
Date Sampled	04/26/2013	04/26/2013	04/26/2013		
Date Prepared	05/02/2013	05/02/2013	05/02/2013		
Preparation Method					
Date Analyzed	05/02/2013	05/02/2013	05/02/2013		
Matrix	Soil	Soil	Soil		
Units	mg/Kg	mg/Kg	mg/Kg		
Dilution Factor	1	1	1		
Analytes	PQL	Results	Results	Results	
TPH GROs (C6 to C10)	0.500	ND	1.58	ND	

Our Lab I.D.	296674	296675	296676		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	116	82	116	

## QUALITY CONTROL REPORT

QC Batch No: S2-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	83	81	2.4	75-120	<20					
Toluene	81	81	<1	75-120	<20					



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ANALYTICAL RESULTS

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Attn: Reid Shigeno

Page: 13

Project ID: MCGU-13-2252  
Project Name: Panama Site

**Site**

12964 Panama St.  
LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.	PQL	Results	Results
Client Sample I.D.		296666 B1-5	296676 B9-5
Date Sampled		04/26/2013	04/26/2013
Date Prepared		05/02/2013	05/02/2013
Preparation Method			
Date Analyzed		05/02/2013	05/02/2013
Matrix		Soil	Soil
Units		ug/kg	ug/kg
Dilution Factor		1	1
Analytes	PQL	Results	Results
Acetone	50.0	ND	ND
Benzene	2.00	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND
Bromoform (Chlorobromomethane)	10.0	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND
n-Butylbenzene	10.0	ND	ND
sec-Butylbenzene	10.0	ND	ND
tert-Butylbenzene	10.0	ND	ND
Carbon disulfide	10.0	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND
Chlorobenzene	10.0	ND	ND
Chloroethane	30.0	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND
Dibromochloromethane	10.0	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND
Dibromomethane	10.0	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND
Dichlorodifluoromethane	30.0	ND	ND
1,1-Dichloroethane	10.0	ND	ND



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.	PQL	Results	Results
Client Sample I.D.		296666	296676
Date Sampled		B1-5	B9-5
Date Prepared		04/26/2013	04/26/2013
Preparation Method		05/02/2013	05/02/2013
Date Analyzed		05/02/2013	05/02/2013
Matrix		Soil	Soil
Units		ug/kg	ug/kg
Dilution Factor		1	1
Analytes	PQL	Results	Results
1,2-Dichloroethane	10.0	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND
cis-1,2-Dichloroethene	10.0	ND	107
trans-1,2-Dichloroethene	10.0	ND	ND
1,2-Dichloropropane	10.0	ND	ND
1,3-Dichloropropane	10.0	ND	ND
2,2-Dichloropropane	10.0	ND	ND
1,1-Dichloropropene	10.0	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND
Ethylbenzene	2.00	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND
2-Hexanone	50.0	ND	ND
Isopropylbenzene	10.0	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND
MTBE	5.00	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND
Naphthalene	10.0	ND	ND
n-Propylbenzene	10.0	ND	ND
Styrene	10.0	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND
Tetrachloroethylene (Tetrachloroethylene)	10.0	ND	29.6
Toluene (Methyl benzene)	2.00	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND
Trichloroethene (TCE)	10.0	ND	11.3
Trichlorofluoromethane	10.0	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND
Vinyl acetate	50.0	ND	ND



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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.		296666	296676			
Client Sample I.D.		B1-5	B9-5			
Date Sampled		04/26/2013	04/26/2013			
Date Prepared		05/02/2013	05/02/2013			
Preparation Method						
Date Analyzed		05/02/2013	05/02/2013			
Matrix		Soil	Soil			
Units		ug/kg	ug/kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
Vinyl chloride (Chloroethene)	30.0	ND	ND			
o-Xylene	2.00	ND	ND			
m- & p-Xylenes	4.00	ND	ND			

Our Lab I.D.		296666	296676			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	104	106			
Dibromofluoromethane	70-120	106	110			
Toluene-d8	70-120	100	101			

## QUALITY CONTROL REPORT

QC Batch No: S1B-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	91	91	<1	75-120	15						
Chlorobenzene	104	103	<1	75-120	15						
1,1-Dichloroethene (1,1-Dichloroethylene)	87	86	1.2	75-120	15						
MTBE	94	90	4.3	75-120	15						
Toluene (Methyl benzene)	100	98	2.0	75-120	15						
Trichloroethene (TCE)	96	93	3.2	75-120	15						



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**ANALYTICAL RESULTS**

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Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252  
Project Name: Panama Site

**Site**

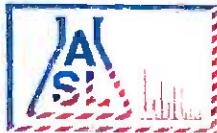
12964 Panama St.  
LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.	PQL	Results
Client Sample I.D.		B10-5
Date Sampled		04/26/2013
Date Prepared		05/02/2013
Preparation Method		
Date Analyzed		05/02/2013
Matrix		Soil
Units		ug/kg
Dilution Factor		20
Analytes	PQL	Results
Acetone	1000	ND
Benzene	40.0	ND
Bromobenzene (Phenyl bromide)	200	ND
Bromoform (Chlorobromomethane)	200	ND
Bromochloromethane (Dichlorobromomethane)	200	ND
Bromoform (Tribromomethane)	1000	ND
Bromomethane (Methyl bromide)	600	ND
2-Butanone (MEK, Methyl ethyl ketone)	1000	ND
n-Butylbenzene	200	ND
sec-Butylbenzene	200	ND
tert-Butylbenzene	200	ND
Carbon disulfide	200	ND
Carbon tetrachloride (Tetrachloromethane)	200	ND
Chlorobenzene	200	ND
Chloroethane	600	ND
2-Chloroethyl vinyl ether	1000	ND
Chloroform (Trichloromethane)	200	ND
Chloromethane (Methyl chloride)	600	ND
4-Chlorotoluene (p-Chlorotoluene)	200	ND
2-Chlorotoluene (o-Chlorotoluene)	200	ND
1,2-Dibromo-3-chloropropane (DBCP)	1000	ND
Dibromochloromethane	200	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	200	ND
Dibromomethane	200	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	200	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	200	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	200	ND
Dichlorodifluoromethane	600	ND
1,1-Dichloroethane	200	ND



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.	PQL	Results
Client Sample I.D.		296672
Date Sampled		B10-5
Date Prepared		04/26/2013
Preparation Method		05/02/2013
Date Analyzed		05/02/2013
Matrix		Soil
Units		ug/g
Dilution Factor		20
Analytes	PQL	Results
1,2-Dichloroethane	200	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	200	ND
cis-1,2-Dichloroethene	200	ND
trans-1,2-Dichloroethene	200	ND
1,2-Dichloropropane	200	ND
1,3-Dichloropropane	200	ND
2,2-Dichloropropane	200	ND
1,1-Dichloropropene	200	ND
cis-1,3-Dichloropropene	200	ND
trans-1,3-Dichloropropene	200	ND
Ethylbenzene	40.0	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	600	ND
2-Hexanone	1000	ND
Isopropylbenzene	200	ND
p-Isopropyltoluene (4-Isopropyltoluene)	200	ND
MTBE	100	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1000	ND
Methylene chloride (Dichloromethane, DCM)	1000	ND
Naphthalene	200	ND
n-Propylbenzene	200	ND
Styrene	200	ND
1,1,1,2-Tetrachloroethane	200	ND
1,1,2,2-Tetrachloroethane	200	ND
Tetrachloroethylene (Tetrachloroethylene)	200	10500
Toluene (Methyl benzene)	40.0	ND
1,2,3-Trichlorobenzene	200	ND
1,2,4-Trichlorobenzene	200	ND
1,1,1-Trichloroethane	200	ND
1,1,2-Trichloroethane	200	ND
Trichloroethylene (TCE)	200	ND
Trichlorofluoromethane	200	ND
1,2,3-Trichloropropane	200	ND
1,2,4-Trimethylbenzene	200	ND
1,3,5-Trimethylbenzene	200	ND
Vinyl acetate	1000	ND



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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.		296672					
Client Sample I.D.		B10-5					
Date Sampled		04/26/2013					
Date Prepared		05/02/2013					
Preparation Method							
Date Analyzed		05/02/2013					
Matrix		Soil					
Units		ug/kg					
Dilution Factor		20					
Analytes	PQL	Results					
Vinyl chloride (Chloroethene)	600	ND					
o-Xylene	40.0	ND					
m- & p-Xylenes	80.0	ND					

Our Lab I.D.		296672					
Surrogates	% Rec.Limit	% Rec.					
Surrogate Percent Recovery							
Bromofluorobenzene	70-120	102					
Dibromofluoromethane	70-120	100					
Toluene-d8	70-120	98					

## QUALITY CONTROL REPORT

QC Batch No: S1B-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	91	91	<1	75-120	15						
Chlorobenzene	104	103	<1	75-120	15						
1,1-Dichloroethene (1,1-Dichloroethylene)	87	86	1.2	75-120	15						
MTBE	94	90	4.3	75-120	15						
Toluene (Methyl benzene)	100	98	2.0	75-120	15						
Trichloroethene (TCE)	96	93	3.2	75-120	15						



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## ANALYTICAL RESULTS

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Attn: Reid Shigeno

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Project ID: MCGU-13-2252  
Project Name: Panama Site

### Site

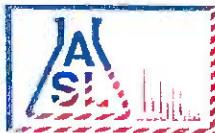
12964 Panama St.  
LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.	PQL	Results
Client Sample I.D.		B9.2.5
Date Sampled		04/26/2013
Date Prepared		05/03/2013
Preparation Method		
Date Analyzed		05/03/2013
Matrix		Soil
Units		ug/kg
Dilution Factor		5
Analytes	PQL	Results
Acetone	250	ND
Benzene	10.0	ND
Bromobenzene (Phenyl bromide)	50.0	ND
Bromochloromethane (Chlorobromomethane)	50.0	ND
Bromodichloromethane (Dichlorobromomethane)	50.0	ND
Bromoform (Tribromomethane)	250	ND
Bromomethane (Methyl bromide)	150	ND
2-Butanone (MEK, Methyl ethyl ketone)	250	ND
n-Butylbenzene	50.0	ND
sec-Butylbenzene	50.0	ND
tert-Butylbenzene	50.0	ND
Carbon disulfide	50.0	ND
Carbon tetrachloride (Tetrachloromethane)	50.0	ND
Chlorobenzene	50.0	ND
Chloroethane	150	ND
2-Chloroethyl vinyl ether	250	ND
Chloroform (Trichloromethane)	50.0	ND
Chloromethane (Methyl chloride)	150	ND
4-Chlorotoluene (p-Chlorotoluene)	50.0	ND
2-Chlorotoluene (o-Chlorotoluene)	50.0	ND
1,2-Dibromo-3-chloropropane (DBCP)	250	ND
Dibromochloromethane	50.0	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	50.0	ND
Dibromomethane	50.0	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	50.0	77.0
1,3-Dichlorobenzene (m-Dichlorobenzene)	50.0	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	50.0	ND
Dichlorodifluoromethane	150	ND
1,1-Dichloroethane	50.0	ND



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.	POL	Results
Client Sample I.D.		296675
Date Sampled		B9-2.5
Date Prepared		04/26/2013
Preparation Method		05/03/2013
Date Analyzed		05/03/2013
Matrix		Soil
Units		ug/kg
Dilution Factor		5
Analytes	POL	Results
1,2-Dichloroethane	50.0	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	50.0	ND
cis-1,2-Dichloroethene	50.0	1190
trans-1,2-Dichloroethene	50.0	ND
1,2-Dichloropropane	50.0	ND
1,3-Dichloropropane	50.0	ND
2,2-Dichloropropane	50.0	ND
1,1-Dichloropropene	50.0	ND
cis-1,3-Dichloropropene	50.0	ND
trans-1,3-Dichloropropene	50.0	ND
Ethylbenzene	10.0	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	150	ND
2-Hexanone	250	ND
Isopropylbenzene	50.0	ND
p-Isopropyltoluene (4-Isopropyltoluene)	50.0	ND
MTBE	25.0	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	250	ND
Methylene chloride (Dichloromethane, DCM)	250	ND
Naphthalene	50.0	ND
n-Propylbenzene	50.0	ND
Styrene	50.0	ND
1,1,1,2-Tetrachloroethane	50.0	ND
1,1,2,2-Tetrachloroethane	50.0	ND
Tetrachloroethene (Tetrachloroethylene)	50.0	725
Toluene (Methyl benzene)	10.0	ND
1,2,3-Trichlorobenzene	50.0	ND
1,2,4-Trichlorobenzene	50.0	ND
1,1,1-Trichloroethane	50.0	ND
1,1,2-Trichloroethane	50.0	ND
Trichloroethene (TCE)	50.0	452
Trichlorofluoromethane	50.0	ND
1,2,3-Trichloropropane	50.0	ND
1,2,4-Trimethylbenzene	50.0	ND
1,3,5-Trimethylbenzene	50.0	ND
Vinyl acetate	250	ND



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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

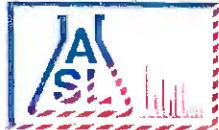
Our Lab I.D.		296675				
Client Sample I.D.		B9-2.5				
Date Sampled		04/26/2013				
Date Prepared		05/03/2013				
Preparation Method						
Date Analyzed		05/03/2013				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		5				
Analytes	PQL	Results				
Vinyl chloride (Chloroethene)	150	ND				
o-Xylene	10.0	ND				
m- & p-Xylenes	20.0	ND				

Our Lab I.D.		296675				
Surrogates	% Rec. Limit	% Rec.				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	82				
Dibromofluoromethane	70-120	96				
Toluene-d8	70-120	88				

QUALITY CONTROL REPORT

QC Batch No: S1C-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	105	104	<1	75-120	15						
Chlorobenzene	90	93	3.3	75-120	15						
1,1-Dichloroethene (1,1-Dichloroethylene)	100	95	5.1	75-120	15						
MTBE	94	102	8.2	75-120	15						
Toluene (Methyl benzene)	101	101	<1	75-120	15						
Trichloroethene (TCE)	105	104	<1	75-120	15						



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

**ANALYTICAL RESULTS**

**Ordered By**

ALTA Environmental  
3777 Long Beach Blvd. Annex B!  
Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252  
Project Name: Panama Site

**Site**

12964 Panama St.  
LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.	PQL	Results
Client Sample I.D.		B10-2.5
Date Sampled		04/26/2013
Date Prepared		05/03/2013
Preparation Method		
Date Analyzed		05/03/2013
Matrix		Soil
Units		ug/kg
Dilution Factor		50
Analytes	PQL	Results
Acetone	2500	ND
Benzene	100	ND
Bromobenzene (Phenyl bromide)	500	ND
Bromoform (Tribromomethane)	500	ND
Bromodichloromethane (Dichlorobromomethane)	500	ND
Bromoform (Tribromomethane)	2500	ND
Bromomethane (Methyl bromide)	1500	ND
2-Butanone (MEK, Methyl ethyl ketone)	2500	ND
n-Butylbenzene	500	ND
sec-Butylbenzene	500	ND
tert-Butylbenzene	500	ND
Carbon disulfide	500	ND
Carbon tetrachloride (Tetrachloromethane)	500	ND
Chlorobenzene	500	ND
Chloroethane	1500	ND
2-Chloroethyl vinyl ether	2500	ND
Chloroform (Trichloromethane)	500	ND
Chloromethane (Methyl chloride)	1500	ND
4-Chlorotoluene (p-Chlorotoluene)	500	ND
2-Chlorotoluene (o-Chlorotoluene)	500	ND
1,2-Dibromo-3-chloropropane (DBCP)	2500	ND
Dibromochloromethane	500	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	500	ND
Dibromomethane	500	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	500	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	500	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	500	ND
Dichlorodifluoromethane	1500	ND
1,1-Dichloroethane	500	ND



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.	PQL	Results
Client Sample I.D.		<b>296671</b>
Date Sampled		B10-2.5
Date Prepared		04/26/2013
Preparation Method		05/03/2013
Date Analyzed		05/03/2013
Matrix		Soil
Units		ug/kg
Dilution Factor		50
Analytes	PQL	Results
1,2-Dichloroethane	500	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	500	ND
cis-1,2-Dichloroethene	500	ND
trans-1,2-Dichloroethene	500	ND
1,2-Dichloropropane	500	ND
1,3-Dichloropropane	500	ND
2,2-Dichloropropane	500	ND
1,1-Dichloropropene	500	ND
cis-1,3-Dichloropropene	500	ND
trans-1,3-Dichloropropene	500	ND
Ethylbenzene	100	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	1500	ND
2-Hexanone	2500	ND
Isopropylbenzene	500	ND
p-Isopropyltoluene (4-Isopropyltoluene)	500	ND
MTBE	250	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	2500	ND
Methylene chloride (Dichloromethane, DCM)	2500	ND
Naphthalene	500	ND
n-Propylbenzene	500	ND
Styrene	500	ND
1,1,1,2-Tetrachloroethane	500	ND
1,1,2,2-Tetrachloroethane	500	ND
Tetrachloroethylene (Tetrachloroethylene)	500	40600
Toluene (Methyl benzene)	100	ND
1,2,3-Trichlorobenzene	500	ND
1,2,4-Trichlorobenzene	500	ND
1,1,1-Trichloroethane	500	ND
1,1,2-Trichloroethane	500	ND
Trichloroethene (TCE)	500	ND
Trichloroform	500	ND
1,2,3-Trichloropropane	500	ND
1,2,4-Trimethylbenzene	500	ND
1,3,5-Trimethylbenzene	500	ND
Vinyl acetate	2500	ND



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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.		296671					
Client Sample I.D.		B10-7.5					
Date Sampled		04/26/2013					
Date Prepared		05/03/2013					
Preparation Method							
Date Analyzed		05/03/2013					
Matrix		Soil					
Units		ug/kg					
Dilution Factor		50					
Analytes	PQL	Results					
Vinyl chloride (Chloroethene)	1500	ND					
o-Xylene	100	ND					
m- & p-Xylenes	200	ND					

Our Lab I.D.		296671					
Surrogates	% Rec.Limit	% Rec.					
Surrogate Percent Recovery							
Bromofluorobenzene	70-120	86					
Dibromofluoromethane	70-120	90					
Toluene-d8	70-120	101					

QUALITY CONTROL REPORT

QC Batch No: S1C-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	105	104	<1	75-120	15						
Chlorobenzene	90	93	3.3	75-120	15						
1,1-Dichloroethene (1,1-Dichloroethylene)	100	95	5.1	75-120	15						
MTBE	94	102	8.2	75-120	15						
Toluene (Methyl benzene)	101	101	<1	75-120	15						
Trichloroethene (TCE)	105	104	<1	75-120	15						



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## ANALYTICAL RESULTS

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Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252  
Project Name: Panama Site

### Site

12964 Panama St.  
LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-050113

Our Lab I.D.	PQL	Results	Results	Results	Results	Results
Client Sample I.D.		B1-10	B7-2.5	B7-5	B8-2.5	B8-5
Date Sampled		04/26/2013	04/26/2013	04/26/2013	04/26/2013	04/26/2013
Date Prepared		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method						
Date Analyzed		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Acetone	50.0	ND	ND	ND	63.2	ND
Benzene	2.00	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND
Bromo(chloromethane) (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND
I,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	10.3	107	17.3	56.6
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	10.1	ND	ND	ND



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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job' Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-050113

Our Lab I.D.	PQL	Results	Results	Results	Results	Results
Client Sample I.D.		B1-10	B7-2.5	B7-5	B8-2.5	B8-5
Date Sampled		04/26/2013	04/26/2013	04/26/2013	04/26/2013	04/26/2013
Date Prepared		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method						
Date Analyzed		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	204	69.4	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
Tetrachloroethylene (Tetrachloroethylene)	10.0	ND	ND	ND	316	65.2
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	34.0	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
 Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-050113

Our Lab I.D.		296667	296669	296670	296673	296674
Client Sample I.D.		B1-10	B7-2.5	B7-5	B8-2.5	B8-5
Date Sampled		04/26/2013	04/26/2013	04/26/2013	04/26/2013	04/26/2013
Date Prepared		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method						
Date Analyzed		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND

Our Lab I.D.		296667	296669	296670	296673	296674
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	94	112	98	110	101
Dibromofluoromethane	70-120	102	96	90	96	99
Toluene-d8	70-120	102	96	102	90	100

QUALITY CONTROL REPORT

QC Batch No: S2C-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	101	110	8.5	75-120	15					
Chlorobenzene	91	93	2.2	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	86	77	11.0	75-120	15					
MTBE	110	105	4.7	75-120	15					
Toluene (Methyl benzene)	105	92	13.2	75-120	15					
Trichloroethene (TCE)	101	99	2.0	75-120	15					



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ANALYTICAL RESULTS

**Ordered By**

ALTA Environmental  
 3777 Long Beach Blvd. Annex B1  
 Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252  
 Project Name: Panama Site

**Site**

12964 Panama St.  
 LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLG)

QC Batch No: 043013-1

Our Lab I.D.		296663	296664	296665	296668	
Client Sample I.D.		B25A	B26A	B1A	B7A	
Date Sampled		04/26/2013	04/26/2013	04/26/2013	04/26/2013	
Date Prepared		04/30/2013	04/30/2013	04/30/2013	04/30/2013	
Preparation Method						
Date Analyzed		05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Matrix		Water	Water	Water	Water	
Units		mg/L	mg/L	mg/L	mg/L	
Dilution Factor		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	
<b>AA Metals</b>						
Mercury	0.0005	ND	ND	ND	ND	
<b>ICP Metals</b>						
Antimony	0.0100	ND	ND	0.154	ND	
Arsenic	0.0100	ND	ND	ND	ND	
Barium	0.0100	0.0375	0.0881	0.132	0.0703	
Beryllium	0.0050	ND	ND	ND	ND	
Cadmium	0.0050	ND	ND	ND	ND	
Chromium	0.0100	ND	ND	ND	ND	
Cobalt	0.0100	ND	ND	ND	ND	
Copper	0.0100	ND	ND	ND	ND	
Lead	0.0050	ND	ND	ND	ND	
Molybdenum	0.0100	0.0512	0.0504	0.0215	0.0374	
Nickel	0.0100	0.0153	0.0119	0.0124	0.0140	
Selenium	0.0100	ND	ND	ND	ND	
Silver	0.0100	ND	ND	ND	ND	
Thallium	0.0100	ND	ND	ND	ND	
Vanadium	0.0100	ND	ND	ND	0.0121	
Zinc	0.0100	ND	ND	0.0108	ND	

QUALITY CONTROL REPORT

QC Batch No: 043013-1

Analytes	LCS % REC	LCS/LCSD % Limit							
<b>AA Metals</b>									
Mercury	105	80-120							
<b>ICP Metals</b>									
Antimony	101	80-120							
Arsenic	100	80-120							



## AMERICAN SCIENTIFIC LABORATORIES, LLC

## *Environmental Testing Services*

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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTL)C

## QUALITY CONTROL REPORT

QC Batch No: 043013-1



# AMERICAN SCIENTIFIC LABORATORIES, LLC

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## ANALYTICAL RESULTS

### Ordered By

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Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

### Site

12964 Panama St.  
LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: W1P-050113

Our Lab I.D.	296663	296664	296665	296668	
Client Sample I.D.	B25A	B26A	B1A	B7A	
Date Sampled	04/26/2013	04/26/2013	04/26/2013	04/26/2013	
Date Prepared	05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Preparation Method					
Date Analyzed	05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Matrix	Water	Water	Water	Water	
Units	mg/L	mg/L	mg/L	mg/L	
Dilution Factor	1	1	1	1	
Analytes	PQL	Results	Results	Results	Results
TPH DROs (C10 to C28)	0.500	ND	ND	ND	
TPH OROs (C28+)	0.500	ND	ND	ND	

Our Lab I.D.	296663	296664	296665	296668	
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	
Surrogate Percent Recovery					
Chlorobenzene	70-120	114	110	109	110

## QUALITY CONTROL REPORT

QC Batch No: W1P-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	98	97	1.0	75-120	<20					



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Project ID: MCGU-13-2252

Project Name: Panama Site

Site

12964 Panama St.  
 LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: W1-050113

Our Lab I.D.		296663	296664	296665	296668	
Client Sample I.D.		B25A	B26A	B1A	B7A	
Date Sampled		04/26/2013	04/26/2013	04/26/2013	04/26/2013	
Date Prepared		05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Preparation Method						
Date Analyzed		05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Matrix		Water	Water	Water	Water	
Units		ug/L	ug/L	ug/L	ug/L	
Dilution Factor		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	
TPH GROs (C6 to C10)	50.0	ND	ND	ND	ND	

Our Lab I.D.		296663	296664	296665	296668	
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	112	106	102	108	

QUALITY CONTROL REPORT

QC Batch No: W1-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
TPH GROs (C6 to C10)	105	105	<1	75-120	<20					



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ANALYTICAL RESULTS

**Ordered By**

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Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St,  
LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050113

Our Lab I.D.	PQL	Results	Results	Results
Client Sample I.D.		296663 B25A	296664 B26A	296665 B1A
Date Sampled		04/26/2013	04/26/2013	04/26/2013
Date Prepared		05/01/2013	05/01/2013	05/01/2013
Preparation Method				
Date Analyzed		05/01/2013	05/01/2013	05/01/2013
Matrix		Water	Water	Water
Units		ug/L	ug/L	ug/L
Dilution Factor		1	1	1
Analytes	PQL	Results	Results	Results
Acetone	5.00	ND	ND	ND
Benzene	1.00	ND	ND	ND
Bromobenzene (Phenyl bromide)	1.00	ND	ND	ND
Bromo(chloromethane) (Chlorobromomethane)	1.00	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	1.00	ND	ND	ND
Bromoform (Tribromomethane)	5.00	ND	ND	ND
Bromomethane (Methyl bromide)	3.00	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.00	ND	ND	ND
n-Butylbenzene	1.00	ND	ND	ND
sec-Butylbenzene	1.00	ND	ND	ND
tert-Butylbenzene	1.00	ND	ND	ND
Carbon disulfide	1.00	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	1.00	ND	ND	ND
Chlorobenzene	1.00	ND	ND	ND
Chloroethane	3.00	ND	ND	ND
2-Chloroethyl vinyl ether	5.00	ND	ND	ND
Chloroform (Trichloromethane)	1.00	ND	ND	ND
Chloromethane (Methyl chloride)	3.00	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.00	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	1.00	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	5.00	ND	ND	ND
Dibromochloromethane	1.00	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	1.00	ND	ND	ND
Dibromomethane	1.00	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.00	1.52	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.00	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	1.00	ND	ND	ND
Dichlorodifluoromethane	3.00	ND	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050113

Our Lab I.D.	PQL	Results	Results	Results
Client Sample I.D.		B25A	B26A	B1A
Date Sampled		04/26/2013	04/26/2013	04/26/2013
Date Prepared		05/01/2013	05/01/2013	05/01/2013
Preparation Method				
Date Analyzed		05/01/2013	05/01/2013	05/01/2013
Matrix		Water	Water	Water
Units		ug/L	ug/L	ug/L
Dilution Factor		1	1	1
Analytes	PQL	Results	Results	Results
1,2-Dichloroethane	1.00	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.00	ND	ND	ND
cis-1,2-Dichloroethene	1.00	61.0	ND	ND
trans-1,2-Dichloroethene	1.00	1.22	ND	ND
1,2-Dichloropropane	1.00	ND	ND	ND
1,3-Dichloropropane	1.00	ND	ND	ND
2,2-Dichloropropane	1.00	ND	ND	ND
1,1-Dichloropropene	1.00	ND	ND	ND
cis-1,3-Dichloropropene	1.00	ND	ND	ND
trans-1,3-Dichloropropene	1.00	ND	ND	ND
Ethylbenzene	1.00	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3.00	ND	ND	ND
2-Hexanone	5.00	ND	ND	ND
Isopropylbenzene	1.00	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	1.00	ND	ND	ND
MTBE	2.00	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	5.00	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	5.00	ND	ND	ND
Naphthalene	1.00	ND	ND	ND
n-Propylbenzene	1.00	ND	ND	ND
Styrene	1.00	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.00	ND	ND	ND
1,1,2,2-Tetrachloroethane	1.00	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	1.00	2.61	36.8	ND
Toluene (Methyl benzene)	1.00	ND	ND	ND
1,2,3-Trichlorobenzene	1.00	ND	ND	ND
1,2,4-Trichlorobenzene	1.00	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND
1,1,2-Trichloroethane	1.00	ND	ND	ND
Trichloroethene (TCE)	1.00	29.4	1.31	ND
Trichlorofluoromethane	1.00	ND	ND	ND
1,2,3-Trichloropropane	1.00	ND	ND	ND
1,2,4-Trimethylbenzene	1.00	ND	ND	ND
1,3,5-Trimethylbenzene	1.00	ND	ND	ND
Vinyl acetate	5.00	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050113

Our Lab I.D.	296663	296664	296665		
Client Sample I.D.	B25A	B26A	B1A		
Date Sampled	04/26/2013	04/26/2013	04/26/2013		
Date Prepared	05/01/2013	05/01/2013	05/01/2013		
Preparation Method					
Date Analyzed	05/01/2013	05/01/2013	05/01/2013		
Matrix	Water	Water	Water		
Units	ug/L	ug/L	ug/L		
Dilution Factor	1	1	1		
Analytes	PQL	Results	Results	Results	
Vinyl chloride (Chloroethene)	3.00	ND	ND	ND	
o-Xylene	1.00	ND	ND	ND	
m- & p-Xylenes	2.00	ND	ND	ND	

Our Lab I.D.	296663	296664	296665		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	93	92	90	
Dibromofluoromethane	70-120	93	90	92	
Toluene-d8	70-120	92	102	100	

## QUALITY CONTROL REPORT

QC Batch No: W1C-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	106	99	6.8	75-120	15						
Chlorobenzene	95	93	2.1	75-120	15						
1,1-Dichloroethene (1,1-Dichloroethylene)	83	81	2.4	75-120	15						
MTBE	103	107	3.8	75-120	15						
Toluene (Methyl benzene)	102	100	2.0	75-120	15						
Trichloroethene (TCE)	104	102	1.9	75-120	15						



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ANALYTICAL RESULTS

Ordered By

ALTA Environmental  
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Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

Site

12964 Panama St.  
LA, CA

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050213

Our Lab I.D.	PQL	Results
Client Sample I.D.		296668
Date Sampled		B7A
Date Prepared		04/26/2013
Preparation Method		05/02/2013
Date Analyzed		05/02/2013
Matrix		Water
Units		ug/L
Dilution Factor		1
Analytes	PQL	Results
Acetone	5.00	ND
Benzene	1.00	ND
Bromobenzene (Phenyl bromide)	1.00	ND
Bromoform (Chlorobromomethane)	1.00	ND
Bromodichloromethane (Dichlorobromomethane)	1.00	ND
Bromoform (Tribromomethane)	5.00	ND
Bromomethane (Methyl bromide)	3.00	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.00	ND
n-Butylbenzene	1.00	ND
sec-Butylbenzene	1.00	ND
tert-Butylbenzene	1.00	ND
Carbon disulfide	1.00	ND
Carbon tetrachloride (Tetrachloromethane)	1.00	ND
Chlorobenzene	1.00	ND
Chloroethane	3.00	ND
2-Chloroethyl vinyl ether	5.00	ND
Chloroform (Trichloromethane)	1.00	1.05
Chloromethane (Methyl chloride)	3.00	ND
4-Chlorotoluene (p-Chlorotoluene)	1.00	ND
2-Chlorotoluene (o-Chlorotoluene)	1.00	ND
1,2-Dibromo-3-chloropropane (DBCP)	5.00	ND
Dibromochloromethane	1.00	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	1.00	ND
Dibromomethane	1.00	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.00	203
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.00	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	1.00	2.51
Dichlorodifluoromethane	3.00	ND
1,1-Dichloroethane	1.00	4.52



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050213

Our Lab I.D.	POL	Results
Client Sample I.D.		296668
Date Sampled		B7A
Date Prepared		04/26/2013
Preparation Method		05/02/2013
Date Analyzed		05/02/2013
Matrix		Water
Units		ug/L
Dilution Factor		1
Analytes	POL	Results
1,2-Dichloroethane	1.00	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.00	ND
cis-1,2-Dichloroethene	1.00	47.0
trans-1,2-Dichloroethene	1.00	ND
1,2-Dichloropropane	1.00	ND
1,3-Dichloropropane	1.00	ND
2,2-Dichloropropane	1.00	ND
1,1-Dichloropropene	1.00	ND
cis-1,3-Dichloropropene	1.00	ND
trans-1,3-Dichloropropene	1.00	ND
Ethylbenzene	1.00	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3.00	ND
2-Hexanone	5.00	ND
Isopropylbenzene	1.00	ND
p-Isopropyltoluene (4-Isopropyltoluene)	1.00	ND
MTBE	2.00	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	5.00	ND
Methylcne chloride (Dichloromethane, DCM)	5.00	ND
Naphthalene	1.00	ND
n-Propylbenzene	1.00	ND
Styrene	1.00	ND
1,1,1,2-Tetrachloroethane	1.00	ND
1,1,2,2-Tetrachloroethane	1.00	ND
Tetrachloroethene (Tetrachloroethylene)	1.00	24.8
Toluene (Methyl benzene)	1.00	ND
1,2,3-Trichlorobenzene	1.00	ND
1,2,4-Trichlorobenzene	1.00	ND
1,1,1-Trichloroethane	1.00	ND
1,1,2-Trichloroethane	1.00	ND
Trichloroethene (TCE)	1.00	121
Trichlorofluoromethane	1.00	ND
1,2,3-Trichloropropane	1.00	ND
1,2,4-Trimethylbenzene	1.00	ND
1,3,5-Trimethylbenzene	1.00	ND
Vinyl acetate	5.00	ND



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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050213

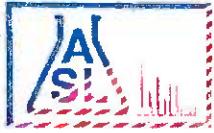
Our Lab I.D.		296668					
Client Sample I.D.		B7A					
Date Sampled		04/26/2013					
Date Prepared		05/02/2013					
Preparation Method							
Date Analyzed		05/02/2013					
Matrix		Water					
Units		ug/L					
Dilution Factor		1					
Analytes	FQL	Results					
Vinyl chloride (Chloroethene)	3.00	ND					
o-Xylene	1.00	ND					
m- & p-Xylenes	2.00	ND					

Our Lab I.D.		296668					
Surrogates	% Rec.Limit	% Rec.					
Surrogate Percent Recovery							
Bromofluorobenzene	70-120	87					
Dibromofluoromethane	70-120	101					
Toluene-d8	70-120	101					

## QUALITY CONTROL REPORT

QC Batch No: W1C-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	101	110	8.5	75-120	15						
Chlorobenzene	91	91	<1	75-120	15						
1,1-Dichloroethene (1,1-Dichloroethylene)	94	91	3.2	75-120	15						
MTBE	116	116	<1	75-120	15						
Toluene (Methyl benzene)	102	107	4.8	75-120	15						
Trichloroethene (TCE)	101	103	2.0	75-120	15						



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Number of Pages 26

Date Received 04/29/2013

Date Reported 05/06/2013

Telephone (562) 495-5777  
Attn Reid Shigeno

Job Number	Ordered	Client
56803	04/29/2013	ALTAEN

Project ID: MCGU-13-2252

Project Name: Panama Site

Site: 12964 Panama St.  
L.A., CA

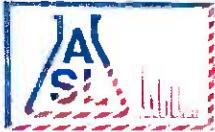
Enclosed are the results of analyses on 12 samples analyzed as specified on attached chain of custody.

Wendy Lu

Wendy Lu  
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



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## ANALYTICAL RESULTS

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Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

## site

12964 Panama St.  
L.A., CA

Project ID:	MCGU-13-2252	ASL Job Number	Submitted	Client
Project Name:	Panama Site	56803	04/29/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

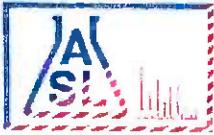
QC Batch No: 050213-2

Q3 Batch No. 333313-2						
Our Lab I.D.		296696	296697	296698	296699	296700
Client Sample I.D.		B12-2.5	B12-5	B13-2.5	B13-5	B11-2.5
Date Sampled		04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method						
Date Analyzed		05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
AA Metals						
Mercury	0.0500	0.127	ND	0.0703	ND	ND
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	1.75	11.1	3.09	13.3	1.47
Barium	0.500	96.7	191	99.5	138	108
Beryllium	0.500	ND	0.501	ND	0.536	ND
Cadmium	0.500	1.84	3.10	2.17	2.64	1.95
Chromium	0.500	26.8	29.6	30.0	31.0	28.7
Cobalt	0.500	7.25	9.53	7.71	8.18	8.07
Copper	0.500	131	27.2	153	29.5	94.0
Lead	0.250	13.0	3.71	26.2	4.55	11.7
Molybdenum	0.500	ND	5.02	ND	3.61	ND
Nickel	0.500	20.0	29.1	21.7	30.0	22.6
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	36.2	59.8	38.1	66.5	40.2
Zinc	0.500	73.5	52.1	94.6	57.3	76.3

## QUALITY CONTROL REPORT

QC Batch No: 050213-2





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Attn: Reid Shigeno

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Project ID: MCGU-13-2252  
 Project Name: Panama Site

Site

12964 Panama St.  
 L.A., CA

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 050213-2

Our Lab I.D.	296701	296702	296703	296704	296705
Client Sample I.D.	B11-5	B5-5	B5-10	B6-2.5	B6-5
Date Sampled	04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared	05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method					
Date Analyzed	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013
Matrix	Soil	Soil	Soil	Soil	Soil
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results
AA Metals					
Mercury	0.0500	0.127	ND	0.0703	0.0599
ICP Metals					
Antimony	0.500	ND	ND	ND	ND
Arsenic	0.250	7.11	4.28	6.71	1.49
Barium	0.500	161	146	96.9	106
Beryllium	0.500	0.513	ND	ND	0.508
Cadmium	0.500	2.07	2.27	1.93	2.19
Chromium	0.500	32.4	29.4	25.0	33.9
Cobalt	0.500	9.88	6.34	6.92	8.66
Copper	0.500	28.7	23.6	23.8	127
Lead	0.250	3.69	3.43	2.92	10.3
Molybdenum	0.500	2.31	1.61	0.783	ND
Nickel	0.500	30.6	24.6	23.8	23.7
Selenium	0.500	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND
Vanadium	0.500	53.8	47.1	45.4	41.4
Zinc	0.500	57.6	51.0	49.5	58.5

QUALITY CONTROL REPORT

QC Batch No: 050213-2

Analytes	LCS % REC	LCS/LCSD % Limit							
AA Metals									
Mercury	90	80-120							
ICP Metals									
Antimony	91	80-120							
Arsenic	93	80-120							





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**ANALYTICAL RESULTS**

**Ordered By**

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 Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252  
 Project Name: Panama Site

**Site**

12964 Panama St.  
 L.A., CA

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 050213-2

<b>Our Lab I.D.</b>		296706	296707			
<b>Client Sample I.D.</b>		B4-2.5	B4-5			
<b>Date Sampled</b>		04/29/2013	04/29/2013			
<b>Date Prepared</b>		05/02/2013	05/02/2013			
<b>Preparation Method</b>						
<b>Date Analyzed</b>		05/06/2013	05/06/2013			
<b>Matrix</b>		Soil	Soil			
<b>Units</b>		mg/Kg	mg/Kg			
<b>Dilution Factor</b>		1	1			
<b>Analytes</b>	PQL	Results	Results			
<b>AA Metals</b>						
Mercury	0.0500	0.638	ND			
<b>ICP Metals</b>						
Antimony	0.500	ND	ND			
Arsenic	0.250	7.51	6.05			
Barium	0.500	341	124			
Beryllium	0.500	ND	ND			
Cadmium	0.500	3.37	2.02			
Chromium	0.500	35.3	31.3			
Cobalt	0.500	18.7	7.73			
Copper	0.500	160	27.2			
Lead	0.250	11.5	4.07			
Molybdenum	0.500	4.82	2.35			
Nickel	0.500	32.3	25.1			
Selenium	0.500	ND	ND			
Silver	0.500	ND	ND			
Thallium	0.500	ND	ND			
Vanadium	0.500	57.4	42.1			
Zinc	0.500	81.8	55.8			

**QUALITY CONTROL REPORT**

QC Batch No: 050213-2

Analytes	LCS % REC	LCS/LCSD % Limit							
<b>AA Metals</b>									
Mercury	90	80-120							
<b>ICP Metals</b>									
Antimony	91	80-120							
Arsenic	93	80-120							



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### ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTL)C

## QUALITY CONTROL REPORT

QC Batch No: 050213-2



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Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
 L.A., CA

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-050213

Our Lab I.D.		296696	296697	296698	296699	296700
Client Sample I.D.		B12-2.5	B12-5	B13-2.5	B13-5	B11-2.5
Date Sampled		04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method						
Date Analyzed		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		296696	296697	296698	296699	296700
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Chlorobenzene	70-120	89	86	86	87	87

**QUALITY CONTROL REPORT**

QC Batch No: S1D-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Diesel	99	96	3.1	75-120	<20				



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Project ID: MCGU-13-2252

Project Name: Panama Site

### Site

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-050213

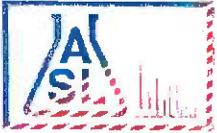
Our Lab I.D.		296701					
Client Sample I.D.		B11-5					
Date Sampled		04/29/2013					
Date Prepared		05/02/2013					
Preparation Method							
Date Analyzed		05/02/2013					
Matrix		Soil					
Units		mg/Kg					
Dilution Factor		1					
Analytes	POL	Results					
TPH DROs (C10 to C28)	10.0	ND					
TPH OROs (C28+)	50.0	ND					

Our Lab I.D.		296701					
Surrogates	% Rec.Limit	% Rec.					
Surrogate Percent Recovery							
Chlorobenzene	70-120	86					

## QUALITY CONTROL REPORT

QC Batch No: S1D-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Diesel	99	96	3.1	75-120	<20						



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## ANALYTICAL RESULTS

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### Site

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Project ID: MCGU-13-2252

Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1P-050213

Our Lab I.D.	296702	296703	296704	296705	296706
Client Sample I.D.	B5-5	B5-10	B6-2.5	B6-5	B4-2.5
Date Sampled	04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared	05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method					
Date Analyzed	05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix	Soil	Soil	Soil	Soil	Soil
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND

Our Lab I.D.	296702	296703	296704	296705	296706
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery					
Chlorobenzene	70-120	105	104	106	107

## QUALITY CONTROL REPORT

QC Batch No: S1P-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Diesel	97	97	<1	75-120	<20						



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Project ID: MCGU-13-2252  
Project Name: Panama Site

### Site

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-050313

Our Lab I.D.		296707						
Client Sample I.D.		B4-5						
Date Sampled		04/29/2013						
Date Prepared		05/02/2013						
Preparation Method								
Date Analyzed		05/04/2013						
Matrix		Soil						
Units		mg/Kg						
Dilution Factor		1						
Analytes	POL	Results						
TPH DROs (C10 to C28)	10.0	ND						
TPH OROs (C28+)	50.0	ND						

Our Lab I.D.		296707						
Surrogates	% Rec.Limit	% Rec.						
Surrogate Percent Recovery								
Chlorobenzene	70-120	107						

## QUALITY CONTROL REPORT

QC Batch No: S2P-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Diesel	100	100	<1	75-120	<20						



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Project ID: MCGU-13-2252  
 Project Name: Panama Site

Site

12964 Panama St.  
 L.A., CA

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1-050213

Our Lab I.D.		296696	296697	296698	296699	296700
Client Sample I.D.		B12-2.5	B12-5	B13-2.5	B13-5	B11-2.5
Date Sampled		04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method						
Date Analyzed		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH GROs (C6 to C10)	0.500	ND	ND	ND	ND	ND

Our Lab I.D.		296696	296697	296698	296699	296700
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	110	90	104	85	80

QUALITY CONTROL REPORT

QC Batch No: S1-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	88	90	2.2	75-120	<20				
Toluene	84	85	1.2	75-120	<20				



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Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
 L.A., CA

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1-050213

Our Lab I.D.		296701	296702	296703	296705	296707
Client Sample I.D.		B11-5	B5-5	B5-10	B6-5	B4-5
Date Sampled		04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method						
Date Analyzed		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH GROs (C6 to C10)	0.500	ND	ND	ND	ND	ND

Our Lab I.D.		296701	296702	296703	296705	296707
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	118	81	112	101	83

**QUALITY CONTROL REPORT**

QC Batch No: S1-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	88	90	2.2	75-120	<20					
Toluene	84	85	1.2	75-120	<20					



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Project ID: MCGU-13-2252

Project Name: Panama Site

### Site

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2-050213

Our Lab I.D.		296704	296706				
Client Sample I.D.		B6-2.5	B4-2.5				
Date Sampled		04/29/2013	04/29/2013				
Date Prepared		05/03/2013	05/03/2013				
Preparation Method							
Date Analyzed		05/03/2013	05/03/2013				
Matrix		Soil	Soil				
Units		mg/Kg	mg/Kg				
Dilution Factor		1	1				
Analytes	PQL	Results	Results				
TPH GROs (C6 to C10)	0.500	ND	ND				

Our Lab I.D.		296704	296706				
Surrogates	% Rec.Limit	% Rec.	% Rec.				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120	107	79				

## QUALITY CONTROL REPORT

QC Batch No: S2-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	88	90	2.2	75-120	<20						
Toluene	84	86	2.4	75-120	<20						



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Project ID: MCGU-13-2252  
Project Name: Panama Site

**Site**

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.	296697	296699	296700	296702	296703
Client Sample I.D.	B12-5	B13-5	B11-2.5	B5-5	B5-10
Date Sampled	04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared	05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method					
Date Analyzed	05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix	Soil	Soil	Soil	Soil	Soil
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor	1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results
Acetone	50.0	ND	ND	ND	ND
Benzene	2.00	ND	ND	4.04	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND
Bromoform (Chlorobromomethane)	10.0	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND



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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.	PQL	Results	Results	Results	Results	Results
Client Sample I.D.		B12-5	B13-5	B11-2.5	B5-5	B5-10
Date Sampled		04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method						
Date Analyzed		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	218	132	108	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND	133	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	3.06	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	69.2	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND



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Project ID: MCGU-13-2252  
 Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.	296697	296699	296700	296702	296703
Client Sample I.D.	B12-5	B13-5	B11-2.5	B5-5	B5-10
Date Sampled	04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared	05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method					
Date Analyzed	05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix	Soil	Soil	Soil	Soil	Soil
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor	1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND

Our Lab I.D.	296697	296699	296700	296702	296703
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	96	102	116	108
Dibromofluoromethane	70-120	104	108	116	110
Toluene-d8	70-120	101	102	96	100

QUALITY CONTROL REPORT

QC Batch No: S1B-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	91	91	<1	75-120	15					
Chlorobenzene	104	103	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	87	86	1.2	75-120	15					
MTBE	94	90	4.3	75-120	15					
Toluene (Methyl benzene)	100	98	2.0	75-120	15					
Trichloroethene (TCE)	96	93	3.2	75-120	15					



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Environmental Testing Services

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Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

## Site

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.	296704	296705	296706	296707	
Client Sample I.D.	B6-2.5	B6-5	B4-2.5	B4-5	
Date Sampled	04/29/2013	04/29/2013	04/29/2013	04/29/2013	
Date Prepared	05/02/2013	05/02/2013	05/02/2013	05/02/2013	
Preparation Method					
Date Analyzed	05/02/2013	05/02/2013	05/02/2013	05/02/2013	
Matrix	Soil	Soil	Soil	Soil	
Units	ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor	1	1	1	1	
Analytes	PQL	Results	Results	Results	Results
Acetone	50.0	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND
Bromoform (Chlorobromomethane)	10.0	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.	PQL	Results	Results	Results	Results
Client Sample I.D.		296704	296705	296706	296707
Date Sampled		B6-2.5	B6-5	B4-2.5	B4-5
Date Prepared		04/29/2013	04/29/2013	04/29/2013	04/29/2013
Preparation Method		05/02/2013	05/02/2013	05/02/2013	05/02/2013
Date Analyzed		05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix		Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1
Analytes	PQL	Results	Results	Results	Results
1,2-Dichloroethane	10.0	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	10.0	30.0	ND	110	10.7
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	58.0	ND	300	31.4
Trichlorofluoromethane	10.0	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
 Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.		296704	296705	296706	296707	
Client Sample I.D.		B6-2.5	B6-5	B4-2.5	B4-5	
Date Sampled		04/29/2013	04/29/2013	04/29/2013	04/29/2013	
Date Prepared		05/02/2013	05/02/2013	05/02/2013	05/02/2013	
Preparation Method						
Date Analyzed		05/02/2013	05/02/2013	05/02/2013	05/02/2013	
Matrix		Soil	Soil	Soil	Soil	
Units		ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	
o-Xylene	2.00	ND	ND	ND	ND	
m- & p-Xylenes	4.00	ND	ND	ND	ND	

Our Lab I.D.		296704	296705	296706	296707	
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	118	106	116	111	
Dibromofluoromethane	70-120	116	108	116	111	
Toluene-d8	70-120	98	100	94	101	

**QUALITY CONTROL REPORT**

QC Batch No: S1B-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	91	91	<1	75-120	15						
Chlorobenzene	104	103	<1	75-120	15						
1,1-Dichloroethene (1,1-Dichloroethylene)	87	86	1.2	75-120	15						
MTBE	94	90	4.3	75-120	15						
Toluene (Methyl benzene)	100	98	2.0	75-120	15						
Trichloroethene (TCE)	96	93	3.2	75-120	15						



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ANALYTICAL RESULTS

**Ordered By**

ALTA Environmental  
3777 Long Beach Blvd. Annex Bl  
Long Beach, CA 90807

Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.	POL	Results
Client Sample I.D.		B11-5
Date Sampled		04/29/2013
Date Prepared		05/03/2013
Preparation Method		
Date Analyzed		05/03/2013
Matrix		Soil
Units		ug/kg
Dilution Factor		1
Analytes	POL	Results
Acetone	50.0	ND
Benzene	2.00	ND
Bromobenzene (Phenyl bromide)	10.0	ND
Bromoform (Chlorobromomethane)	10.0	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND
Bromoform (Tribromomethane)	50.0	ND
Bromomethane (Methyl bromide)	30.0	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND
n-Butylbenzene	10.0	ND
sec-Butylbenzene	10.0	ND
tert-Butylbenzene	10.0	ND
Carbon disulfide	10.0	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND
Chlorobenzene	10.0	ND
Chloroethane	30.0	ND
2-Chloroethyl vinyl ether	50.0	ND
Chloroform (Trichloromethane)	10.0	ND
Chloromethane (Methyl chloride)	30.0	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND
Dibromochloromethane	10.0	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND
Dibromomethane	10.0	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND
Dichlorodifluoromethane	30.0	ND
1,1-Dichloroethane	10.0	ND



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**ANALYTICAL RESULTS**

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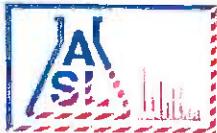
Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.	PQL	Results
Client Sample I.D.		296701
Date Sampled		B11-5
Date Prepared		04/29/2013
Preparation Method		05/03/2013
Date Analyzed		05/03/2013
Matrix		Soil
Units		ug/kg
Dilution Factor		1
Analytes	PQL	Results
1,2-Dichloroethane	10.0	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND
cis-1,2-Dichloroethene	10.0	ND
trans-1,2-Dichloroethene	10.0	ND
1,2-Dichloropropane	10.0	ND
1,3-Dichloropropane	10.0	ND
2,2-Dichloropropane	10.0	ND
1,1-Dichloropropene	10.0	ND
cis-1,3-Dichloropropene	10.0	ND
trans-1,3-Dichloropropene	10.0	ND
Ethylbenzene	2.00	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND
2-Hexanone	50.0	ND
Isopropylbenzene	10.0	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND
MTBE	5.00	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND
Naphthalene	10.0	ND
n-Propylbenzene	10.0	ND
Styrene	10.0	ND
1,1,1,2-Tetrachloroethane	10.0	ND
1,1,2,2-Tetrachloroethane	10.0	ND
Tetrachloroethylene (Tetrachloroethylene)	10.0	ND
Toluene (Methyl benzene)	2.00	ND
1,2,3-Trichlorobenzene	10.0	ND
1,2,4-Trichlorobenzene	10.0	ND
1,1,1-Trichloroethane	10.0	ND
1,1,2-Trichloroethane	10.0	ND
Trichloroethene (TCE)	10.0	ND
Trichlorofluoromethane	10.0	ND
1,2,3-Trichloropropane	10.0	ND
1,2,4-Trimethylbenzene	10.0	ND
1,3,5-Trimethylbenzene	10.0	ND
Vinyl acetate	50.0	ND



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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.		296701					
Client Sample I.D.		B11-5					
Date Sampled		04/29/2013					
Date Prepared		05/03/2013					
Preparation Method							
Date Analyzed		05/03/2013					
Matrix		Soil					
Units		ug/kg					
Dilution Factor		1					
Analytes	PQL	Results					
Vinyl chloride (Chloroethene)	30.0	ND					
o-Xylene	2.00	ND					
m- & p-Xylenes	4.00	ND					

Our Lab I.D.		296701					
Surrogates	% Rec.Limit	% Rec.					
Surrogate Percent Recovery							
Bromofluorobenzene	70-120	87					
Dibromofluoromethane	70-120	100					
Toluene-d8	70-120	94					

## QUALITY CONTROL REPORT

QC Batch No: S1C-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	105	104	<1	75-120	15						
Chlorobenzene	90	93	3.3	75-120	15						
1,1-Dichloroethene (1,1-Dichloroethylene)	100	95	5.1	75-120	15						
MTBE	94	102	8.2	75-120	15						
Toluene (Methyl benzene)	101	101	<1	75-120	15						
Trichloroethene (TCE)	105	104	<1	75-120	15						



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ANALYTICAL RESULTS

Ordered By

ALTA Environmental  
3777 Long Beach Blvd. Annex B1  
Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

Site

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.	PQL	296696	296698			
Client Sample I.D.		B12-2.5	B13-2.5			
Date Sampled		04/29/2013	04/29/2013			
Date Prepared		05/03/2013	05/03/2013			
Preparation Method						
Date Analyzed		05/03/2013	05/03/2013			
Matrix		Soil	Soil			
Units		ug/kg	ug/kg			
Dilution Factor		5	5			
Analytes	PQL	Results	Results			
Acetone	250	ND	ND			
Benzene	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	50.0	ND	ND			
Bromochloromethane (Chlorobromomethane)	50.0	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	50.0	ND	ND			
Bromoform (Tribromomethane)	250	ND	ND			
Bromomethane (Methyl bromide)	150	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	250	ND	ND			
n-Butylbenzene	50.0	ND	ND			
sec-Butylbenzene	50.0	ND	ND			
tert-Butylbenzene	50.0	ND	ND			
Carbon disulfide	50.0	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	50.0	ND	ND			
Chlorobenzene	50.0	ND	ND			
Chloroethane	150	ND	ND			
2-Chloroethyl vinyl ether	250	ND	ND			
Chloroform (Trichloromethane)	50.0	ND	ND			
Chloromethane (Methyl chloride)	150	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	50.0	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	50.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	250	ND	ND			
Dibromochloromethane	50.0	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	50.0	ND	ND			
Dibromomethane	50.0	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	50.0	120	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	50.0	ND	ND			
1,4-Dichlorobenzene (p-Dichlorobenzene)	50.0	ND	ND			
Dichlorodifluoromethane	150	ND	ND			
1,1-Dichloroethane	50.0	ND	ND			



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.	PQL	Results	Results
Client Sample I.D.		B12-2.5	B13-2.5
Date Sampled		04/29/2013	04/29/2013
Date Prepared		05/03/2013	05/03/2013
Preparation Method			
Date Analyzed		05/03/2013	05/03/2013
Matrix		Soil	Soil
Units		ug/kg	ug/kg
Dilution Factor		5	5
Analytes	PQL	Results	Results
1,2-Dichloroethane	50.0	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	50.0	ND	ND
cis-1,2-Dichloroethene	50.0	4190	1810
trans-1,2-Dichloroethene	50.0	70.0	ND
1,2-Dichloropropane	50.0	ND	ND
1,3-Dichloropropane	50.0	ND	ND
2,2-Dichloropropane	50.0	ND	ND
1,1-Dichloropropene	50.0	ND	ND
cis-1,3-Dichloropropene	50.0	ND	ND
trans-1,3-Dichloropropene	50.0	ND	ND
Ethylbenzene	10.0	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	150	ND	ND
2-Hexanone	250	ND	ND
Isopropylbenzene	50.0	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	50.0	ND	ND
MTBE	25.0	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	250	ND	ND
Methylene chloride (Dichloromethane, DCM)	250	ND	ND
Naphthalene	50.0	ND	ND
n-Propylbenzene	50.0	ND	ND
Styrene	50.0	ND	ND
1,1,1,2-Tetrachloroethane	50.0	ND	ND
1,1,2,2-Tetrachloroethane	50.0	ND	ND
Tetrachloroethene (Tetrachloroethylene)	50.0	59.0	ND
Toluene (Methyl benzene)	10.0	ND	ND
1,2,3-Trichlorobenzene	50.0	ND	ND
1,2,4-Trichlorobenzene	50.0	ND	ND
1,1,1-Trichloroethane	50.0	ND	ND
1,1,2-Trichloroethane	50.0	ND	ND
Trichloroethene (TCE)	50.0	160	ND
Trichlorofluoromethane	50.0	ND	ND
1,2,3-Trichloropropane	50.0	ND	ND
1,2,4-Trimethylbenzene	50.0	ND	ND
1,3,5-Trimethylbenzene	50.0	ND	ND
Vinyl acetate	250	ND	ND



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
 Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.		296696	296698			
Client Sample I.D.		BI2-2.5	B13-2.5			
Date Sampled		04/29/2013	04/29/2013			
Date Prepared		05/03/2013	05/03/2013			
Preparation Method						
Date Analyzed		05/03/2013	05/03/2013			
Matrix		Soil	Soil			
Units		ug/kg	ug/kg			
Dilution Factor		5	5			
Analytes	PQL	Results	Results			
Vinyl chloride (Chloroethene)	150	ND	ND			
o-Xylene	10.0	ND	ND			
m- & p-Xylenes	20.0	ND	ND			

Our Lab I.D.		296696	296698			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	81	81			
Dibromofluoromethane	70-120	93	83			
Toluene-d8	70-120	81	101			

**QUALITY CONTROL REPORT**

QC Batch No: S1C-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	105	104	<1	75-120	15						
Chlorobenzene	90	93	3.3	75-120	15						
1,1-Dichloroethene (1,1-Dichloroethylene)	100	95	5.1	75-120	15						
MTBE	94	102	8.2	75-120	15						
Toluene (Methyl benzene)	101	101	<1	75-120	15						
Trichloroethene (TCE)	105	104	<1	75-120	15						



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Ordered By

ALTA Environmental  
3777 Long Beach Blvd. Annex Bl  
Long Beach, CA 90807-

Number of Pages 8

Date Received 04/30/2013

Date Reported 05/07/2013

Telephone (562) 495-5777  
Attn Reid Shigeno

Job Number	Ordered	Client
56816	04/30/2013	ALTAEN

Project ID: MCGU-13-2252

Project Name: Panama Site

Site: 12964 Panama St.  
L.A., CA

Enclosed are the results of analyses on 1 samples analyzed as specified on attached chain of custody.

Wendy Lu

Wendy Lu  
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



# AMERICAN SCIENTIFIC LABORATORIES, LLC

*Environmental Testing Services*

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

## ANALYTICAL RESULTS

**Ordered By**

ALTA Environmental  
3777 Long Beach Blvd. Annex Bl  
Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56816	04/30/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)

QC Batch No: 050313-1

<b>Our Lab I.D.</b>		<b>396765</b>					
Client Sample I.D.		B36A					
Date Sampled		04/30/2013					
Date Prepared		05/03/2013					
Preparation Method							
Date Analyzed		05/06/2013					
Matrix		Water					
Units		mg/L					
Dilution Factor		1					
<b>Analytes</b>	<b>POL</b>	<b>Results</b>					
<b>AA Metals</b>							
Mercury	0.0005	ND					
<b>ICP Metals</b>							
Antimony	0.0100	ND					
Arsenic	0.0100	ND					
Barium	0.0100	0.0790					
Beryllium	0.0050	ND					
Cadmium	0.0050	ND					
Chromium	0.0100	ND					
Cobalt	0.0100	ND					
Copper	0.0100	ND					
Lead	0.0050	ND					
Molybdenum	0.0100	0.0205					
Nickel	0.0100	ND					
Selenium	0.0100	ND					
Silver	0.0100	ND					
Thallium	0.0100	ND					
Vanadium	0.0100	ND					
Zinc	0.0100	ND					

## QUALITY CONTROL REPORT

QC Batch No: 050313-1

<b>Analytics</b>	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
<b>AA Metals</b>									
Mercury	105	112	6.5	80-120	20				
<b>ICP Metals</b>									
Antimony	96	94	1.7	80-120	20				
Arsenic	91	93	2.1	80-120	20				



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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56816	04/30/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)

## QUALITY CONTROL REPORT

QC Batch No: 050313-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit							
ICP Metals												
Barium	95	96	1.3	80-120	20							
Beryllium	104	104	<1	80-120	20							
Cadmium	94	96	1.5	80-120	20							
Chromium	93	95	1.5	80-120	20							
Cobalt	95	96	<1	80-120	20							
Copper	96	96	<1	80-120	20							
Lead	93	95	1.7	80-120	20							
Molybdenum	94	95	1.4	80-120	20							
Nickel	94	96	1.9	80-120	20							
Selenium	94	94	<1	80-120	20							
Silver	99	88	11.4	80-120	20							
Thallium	98	101	3.5	80-120	20							
Vanadium	93	95	1.6	80-120	20							
Zinc	102	104	1.9	80-120	20							



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## ANALYTICAL RESULTS

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Long Beach, CA 90807-

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Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

### Site

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56816	04/30/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: W1P-050113

Our Lab I.D.		296765					
Client Sample I.D.		B36A					
Date Sampled		04/30/2013					
Date Prepared		05/01/2013					
Preparation Method							
Date Analyzed		05/01/2013					
Matrix		Water					
Units		mg/L					
Dilution Factor		1					
Analytes	FQL	Results					
TPH DROs (C10 to C28)	0.500	ND					
TPH OROs (C28+)	0.500	ND					

Our Lab I.D.		296765					
Surrogates	% Rec.Limit	% Rec.					
Surrogate Percent Recovery							
Chlorobenzene	70-120	106					

## QUALITY CONTROL REPORT

QC Batch No: W1P-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	98	97	1.0	75-120	<20					



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**ANALYTICAL RESULTS**

**Ordered By**

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Long Beach, CA 90807-

**Site**

12964 Panama St.  
L.A., CA

Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

ASL Job Number	Submitted	Client
56816	04/30/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: W1-050113

Our Lab I.D.		296765					
Client Sample I.D.		B36A					
Date Sampled		04/30/2013					
Date Prepared		05/01/2013					
Preparation Method							
Date Analyzed		05/01/2013					
Matrix		Water					
Units		ug/L					
Dilution Factor		1					
Analytes	PQL	Results					
TPH GROs (C6 to C10)	50.0	ND					

Our Lab I.D.		296765					
Surrogates	% Rec.Limit	% Rec.					
Surrogate Percent Recovery							
Bromofluorobenzene	70-120	91					

**QUALITY CONTROL REPORT**

QC Batch No: W1-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
TPH GROs (C6 to C10)	105	105	<1	75-120	<20						



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56816	04/30/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050213

Our Lab I.D.	PQL	Results
Client Sample I.D.		B36A
Date Sampled		04/30/2013
Date Prepared		05/02/2013
Preparation Method		
Date Analyzed		05/02/2013
Matrix		Water
Units		ug/L
Dilution Factor		1
Analytes	PQL	Results
Acetone	5.00	ND
Benzene	1.00	ND
Bromobenzene (Phenyl bromide)	1.00	ND
Bromoform (Tribromomethane)	1.00	ND
Bromodichloromethane (Dichlorobromomethane)	1.00	ND
Bromoform (Tribromomethane)	5.00	ND
Bromomethane (Methyl bromide)	3.00	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.00	ND
n-Butylbenzene	1.00	ND
sec-Butylbenzene	1.00	ND
tert-Butylbenzene	1.00	ND
Carbon disulfide	1.00	ND
Carbon tetrachloride (Tetrachloromethane)	1.00	ND
Chlorobenzene	1.00	ND
Chloroethane	3.00	ND
2-Chloroethyl vinyl ether	5.00	ND
Chloroform (Trichloromethane)	1.00	ND
Chloromethane (Methyl chloride)	3.00	ND
4-Chlorotoluene (p-Chlorotoluene)	1.00	ND
2-Chlorotoluene (o-Chlorotoluene)	1.00	ND
1,2-Dibromo-3-chloropropane (DBCP)	5.00	ND
Dibromochloromethane	1.00	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	1.00	ND
Dibromomethane	1.00	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.00	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.00	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	1.00	ND
Dichlorodifluoromethane	3.00	ND
1,1-Dichloroethane	1.00	ND



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**ANALYTICAL RESULTS**

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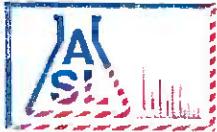
Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56816	04/30/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050213

Our Lab I.D.	PQL	Results
Client Sample I.D.		B36A
Date Sampled		04/30/2013
Date Prepared		05/02/2013
Preparation Method		
Date Analyzed		05/02/2013
Matrix		Water
Units		ug/L
Dilution Factor		1
Analytes	PQL	Results
1,2-Dichloroethane	1.00	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.00	ND
cis-1,2-Dichloroethene	1.00	ND
trans-1,2-Dichloroethene	1.00	ND
1,2-Dichloropropane	1.00	ND
1,3-Dichloropropane	1.00	ND
2,2-Dichloropropane	1.00	ND
1,1-Dichloropropene	1.00	ND
cis-1,3-Dichloropropene	1.00	ND
trans-1,3-Dichloropropene	1.00	ND
Ethylbenzene	1.00	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3.00	ND
2-Hexanone	5.00	ND
Isopropylbenzene	1.00	ND
p-Isopropyltoluene (4-Isopropyltoluene)	1.00	ND
MTBE	2.00	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	5.00	ND
Methylene chloride (Dichloromethane, DCM)	5.00	ND
Naphthalene	1.00	ND
n-Propylbenzene	1.00	ND
Styrene	1.00	ND
1,1,1,2-Tetrachloroethane	1.00	ND
1,1,2,2-Tetrachloroethane	1.00	ND
Tetrachloroethylene (Tetrachloroethylene)	1.00	ND
Toluene (Methyl benzene)	1.00	ND
1,2,3-Trichlorobenzene	1.00	ND
1,2,4-Trichlorobenzene	1.00	ND
1,1,1-Trichloroethane	1.00	ND
1,1,2-Trichloroethane	1.00	ND
Trichloroethene (TCE)	1.00	ND
Trichlorofluoromethane	1.00	ND
1,2,3-Trichloropropane	1.00	ND
1,2,4-Trimethylbenzene	1.00	ND
1,3,5-Trimethylbenzene	1.00	ND
Vinyl acetate	5.00	ND



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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56816	04/30/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050213

Our Lab I.D.		296765					
Client Sample I.D.		B36A					
Date Sampled		04/30/2013					
Date Prepared		05/02/2013					
Preparation Method							
Date Analyzed		05/02/2013					
Matrix		Water					
Units		ug/L					
Dilution Factor		1					
Analytes	PQL	Results					
Vinyl chloride (Chloroethene)	3.00	ND					
o-Xylene	1.00	ND					
m- & p-Xylenes	2.00	ND					

Our Lab I.D.		296765					
Surrogates	% Rec.Limit	% Rec.					
Surrogate Percent Recovery							
Bromofluorobenzene	70-120	92					
Dibromofluoromethane	70-120	94					
Toluene-d8	70-120	99					

## QUALITY CONTROL REPORT

QC Batch No: W1C-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit							
Benzene	101	110	8.5	75-120	15							
Chlorobenzene	91	91	<1	75-120	15							
1,1-Dichloroethene (1,1-Dichloroethylene)	94	91	3.2	75-120	15							
MTBE	116	116	<1	75-120	15							
Toluene (Methyl benzene)	102	107	4.8	75-120	15							
Trichloroethene (TCE)	101	103	2.0	75-120	15							



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Ordered By

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Attn Reid Shigeno

Number of Pages 21

Date Received 05/01/2013

Date Reported 05/08/2013

Job Number	Ordered	Client
56840	05/01/2013	ALTAEN

Project ID: MCGU-13-2252

Project Name: Panama Site

Site: 12964 Panama St.  
L.A, CA

Enclosed are the results of analyses on 10 samples analyzed as specified on attached chain of custody.

Wendy Lu

Wendy Lu  
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



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**ANALYTICAL RESULTS**

**Ordered By**

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Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
 L.A, CA

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTL)

QC Batch No: 050313-2.

Our Lab I.D.		296843	296844	296845	296846	296847
Client Sample I.D.		B14-2.5	B14-5	B16-2.5	B16-5	B15-2.5
Date Sampled		05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Date Prepared		05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Preparation Method						
Date Analyzed		05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
AA Metals						
Mercury	0.0500	0.0660	ND	ND	ND	ND
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	1.94	12.4	1.03	8.46	0.388
Barium	0.500	117	334	116	107	104
Beryllium	0.500	ND	0.527	ND	0.629	ND
Cadmium	0.500	2.08	2.79	1.86	2.21	1.95
Chromium	0.500	30.8	29.5	27.8	36.5	29.4
Cobalt	0.500	8.72	10.3	8.43	7.92	8.42
Copper	0.500	123	27.8	145	32.9	75.4
Lead	0.250	13.1	4.16	11.5	4.01	6.41
Molybdenum	0.500	ND	4.77	ND	2.65	ND
Nickel	0.500	22.9	29.3	21.8	34.8	22.7
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	42.0	62.6	37.2	60.7	38.3
Zinc	0.500	83.8	49.6	74.8	62.4	69.7

**QUALITY CONTROL REPORT**

QC Batch No: 050313-2.

Analytes	LCS % REC	LCS/LCSD % Limit						
AA Metals								
Mercury	90	80-120						
ICP Metals								
Antimony	97	80-120						
Arsenic	93	80-120						



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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

## QUALITY CONTROL REPORT

QC Batch No: 050313-2.



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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
 Project Name: Panama Site

**Site**

12964 Panama St.  
 L.A, CA

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTL)

QC Batch No: 050313-2.

Our Lab I.D.		296848	296849	296850	296851	296852
Client Sample I.D.		B15-5	B17-2.5	B17-5	B18-2.5	B18-5
Date Sampled		05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Date Prepared		05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Preparation Method						
Date Analyzed		05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytics	PQL	Results	Results	Results	Results	Results
AA Metals						
Mercury	0.0500	ND	ND	ND	ND	ND
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	9.67	5.83	2.96	6.38	10.3
Barium	0.500	113	103	74.2	113	128
Beryllium	0.500	ND	0.528	0.529	0.565	0.525
Cadmium	0.500	2.06	2.35	1.87	2.26	2.65
Chromium	0.500	28.6	36.5	33.0	35.3	30.9
Cobalt	0.500	7.45	7.76	9.94	9.41	9.64
Copper	0.500	28.1	88.0	28.4	34.4	28.5
Lead	0.250	3.73	8.11	3.94	4.67	4.34
Molybdenum	0.500	3.15	ND	0.944	ND	3.53
Nickel	0.500	25.7	26.8	27.6	28.7	28.5
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	54.0	56.4	44.0	61.1	56.6
Zinc	0.500	51.3	74.2	61.8	66.1	61.6

QUALITY CONTROL REPORT

QC Batch No: 050313-2.

Analytics	LCS % REC	LCS/LCSD % Limit							
AA Metals									
Mercury	90	80-120							
ICP Metals									
Antimony	97	80-120							
Arsenic	93	80-120							



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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

## QUALITY CONTROL REPORT

QC Batch No: 050313-2.



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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252

Project Name: Panama Site

### Site

12964 Panama St.  
L.A, CA

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-050613

Our Lab I.D.		296844	296846				
Client Sample I.D.		B14-5	B16-5				
Date Sampled		05/01/2013	05/01/2013				
Date Prepared		05/06/2013	05/06/2013				
Preparation Method							
Date Analyzed		05/06/2013	05/06/2013				
Matrix		Soil	Soil				
Units		mg/Kg	mg/Kg				
Dilution Factor		1	1				
Analytes	PQL	Results	Results				
TPH DROs (C10 to C28)	10.0	ND	ND				
TPH OROs (C28+)	50.0	ND	ND				

Our Lab I.D.		296844	296846				
Surrogates	% Rec.Limit	% Rec.	% Rec.				
Surrogate Percent Recovery							
Chlorobenzene	70-120	107	108				

## QUALITY CONTROL REPORT

QC Batch No: S1D-050613

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Diesel	91	90	1.1	75-120	<20						



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Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
 L.A, CA

**ANALYTICAL RESULTS**

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2D-050613

Our Lab I.D.		296843	296845	296847	296848	296849
Client Sample I.D.		B14-2.5	B16-2.5	B15-2.5	B15-5	B17-2.5
Date Sampled		05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Date Prepared		05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013
Preparation Method						
Date Analyzed		05/07/2013	05/07/2013	05/07/2013	05/07/2013	05/07/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		296843	296845	296847	296848	296849
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Chlorobenzene	70-120	106	106	105	106	104

**QUALITY CONTROL REPORT**

QC Batch No: S2D-050613

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Diesel	101	100	<1	75-120	<20				



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**ANALYTICAL RESULTS**

**Ordered By**

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Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
 L.A, CA

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2D-050613

Our Lab I.D.		296850	296851	296852		
Client Sample I.D.		B17-5	B18-2.5	B18-5		
Date Sampled		05/01/2013	05/01/2013	05/01/2013		
Date Prepared		05/06/2013	05/06/2013	05/06/2013		
Preparation Method						
Date Analyzed		05/07/2013	05/07/2013	05/07/2013		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
TPH DROs (C10 to C28)	10.0	ND	ND	ND		
TPH OROs (C28+)	50.0	ND	ND	ND		

Our Lab I.D.		296850	296851	296852		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Chlorobenzene	70-120	106	104	105		

**QUALITY CONTROL REPORT**

QC Batch No: S2D-050613

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	101	100	<1	75-120	<20					



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Project ID: MCGU-13-2252

Project Name: Panama Site

### Site

12964 Panama St.  
L.A, CA

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1-050713

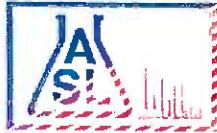
Our Lab I.D.		296845	296851			
Client Sample I.D.		BI6-2.5	BI8-2.5			
Date Sampled		05/01/2013	05/01/2013			
Date Prepared		05/07/2013	05/07/2013			
Preparation Method						
Date Analyzed		05/07/2013	05/07/2013			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
TPH GROs (C6 to C10)	0.500	ND	ND			

Our Lab I.D.		296845	296851			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	112	75			

## QUALITY CONTROL REPORT

QC Batch No: S1-050713

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	97	96	1.0	75-120	<20					
Toluene	93	92	1.1	75-120	<20					



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Project ID: MCGU-13-2252  
 Project Name: Panama Site

**Site**

12964 Panama St.  
 L.A, CA

**ANALYTICAL RESULTS**

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2-050313

Our Lab I.D.		296843	296844	296846	296848	296849
Client Sample I.D.		B14-2.5	B14-5	B16-5	B15-5	B17-2.5
Date Sampled		05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Date Prepared		05/04/2013	05/04/2013	05/04/2013	05/04/2013	05/04/2013
Preparation Method						
Date Analyzed		05/04/2013	05/04/2013	05/04/2013	05/04/2013	05/04/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH GROs (C6 to C10)	0.500	ND	ND	ND	ND	ND

Our Lab I.D.		296843	296844	296846	296848	296849
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	90	89	116	107	74

**QUALITY CONTROL REPORT**

QC Batch No: S2-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	95	96	1.0	75-120	<20				
Toluene	91	91	<1	75-120	<20				



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
 Project Name: Panama Site

**Site**

12964 Panama St.  
 L.A, CA

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2-050313

Our Lab I.D.		296850	296852			
Client Sample I.D.		B17-5	B18-5			
Date Sampled		05/01/2013	05/01/2013			
Date Prepared		05/04/2013	05/04/2013			
Preparation Method						
Date Analyzed		05/04/2013	05/04/2013			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
TPH GROs (C6 to C10)	0.500	ND	ND			

Our Lab I.D.		296850	296852			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	105	114			

**QUALITY CONTROL REPORT**

QC Batch No: S2-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	95	96	1.0	75-120	<20				
Toluene	91	91	<1	75-120	<20				



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Project ID: MCGU-13-2252  
 Project Name: Panama Site

Site

12964 Panama St.  
 L.A, CA

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2-050713

Our Lab I.D.		296847					
Client Sample I.D.		B15-2.5					
Date Sampled		05/01/2013					
Date Prepared		05/08/2013					
Preparation Method							
Date Analyzed		05/08/2013					
Matrix		Soil					
Units		mg/Kg					
Dilution Factor		1					
Analytes	POL	Results					
TPH GROs (C6 to C10)	0.500	ND					

Our Lab I.D.		296847					
Surrogates	% Rec.Limit	% Rec.					
Surrogate Percent Recovery							
Bromofluorobenzene	70-120	81					

QUALITY CONTROL REPORT

QC Batch No: S2-050713

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	88	91	3.4	75-120	<20					
Toluene	84	86	2.4	75-120	<20					



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Project ID: MCGU-13-2252  
Project Name: Panama Site

**Site**

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1-050313

Our Lab I.D.	296844	296846	296848	296850	296852
Client Sample I.D.	B14-5	B16-5	B15-5	B17-5	B18-5
Date Sampled	05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Date Prepared	05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Preparation Method					
Date Analyzed	05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Matrix	Soil	Soil	Soil	Soil	Soil
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor	1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results
Acetone	50.0	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND
Bromoform (Tribromomethane)	10.0	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1-050313

Our Lab I.D.	PQL	Results	Results	Results	Results	Results
Client Sample I.D.		B14-5	B16-5	B15-5	B17-5	B18-5
Date Sampled		05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Date Prepared		05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Preparation Method						
Date Analyzed		05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	23.3	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
Tetrachloroethylene (Tetrachloroethylene)	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
 Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1-050313

Our Lab I.D.		296844	296846	296848	296850	296852
Client Sample I.D.		B14-5	B16-5	B15-5	B17-5	B18-5
Date Sampled		05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Date Prepared		05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Preparation Method						
Date Analyzed		05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytics	PQL	Results	Results	Results	Results	Results
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND

Our Lab I.D.		296844	296846	296848	296850	296852
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	86	89	87	89	87
Dibromofluoromethane	70-120	98	86	88	85	96
Toluene-d8	70-120	78	98	98	99	98

**QUALITY CONTROL REPORT**

QC Batch No: S1-050313

Analytics	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	105	104	<1	75-120	15					
Chlorobenzene	90	93	3.3	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	100	95	5.1	75-120	15					
MTBE	94	102	8.2	75-120	15					
Toluene (Methyl benzene)	101	101	<1	75-120	15					
Trichloroethene (TCE)	105	104	<1	75-120	15					



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Project ID: MCGU-13-2252  
Project Name: Panama Site

**Site**

12964 Panama St.  
L.A, CA

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050613

Our Lab I.D.	PQL	Results	Results	Results
Client Sample I.D.		296843	296845	296847
Date Sampled		B14-2.5	B16-2.5	B15-2.5
Date Prepared		05/01/2013	05/01/2013	05/01/2013
Preparation Method				
Date Analyzed		05/06/2013	05/06/2013	05/06/2013
Matrix		Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1
Analytes	PQL	Results	Results	Results
Acetone	50.0	101	65.2	108
Benzene	2.00	2.28	ND	3.40
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND
Bromoform (Chlorobromomethane)	10.0	ND	ND	ND
Bromochloromethane (Dichlorobromomethane)	10.0	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND
Chloroethane	30.0	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050613

Our Lab I.D.	PQL	Results	Results	Results
Client Sample I.D.		296843	296845	296847
Date Sampled		B14-2.5	B16-2.5	B15-2.5
Date Prepared		05/01/2013	05/01/2013	05/01/2013
Preparation Method		05/06/2013	05/06/2013	05/06/2013
Date Analyzed		05/06/2013	05/06/2013	05/06/2013
Matrix		Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1
Analytes	PQL	Results	Results	Results
1,2-Dichloroethane	10.0	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	162	13.4
trans-1,2-Dichloroethene	10.0	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND
MTBE	5.00	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND
Naphthalene	10.0	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND
Styrene	10.0	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND
Tetrachloroethylene (Tetrachloroethylene)	10.0	43.4	42.6	84.6
Toluene (Methyl benzene)	2.00	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND
Trichloroethene (TCE)	10.0	15.7	67.5	34.5
Trichlorofluoromethane	10.0	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND



# AMERICAN SCIENTIFIC LABORATORIES, LLC

*Environmental Testing Services*

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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050613

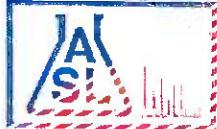
Our Lab I.D.	296843	296845	296847		
Client Sample I.D.	B14-2.5	B16-2.5	B15-2.5		
Date Sampled	05/01/2013	05/01/2013	05/01/2013		
Date Prepared	05/06/2013	05/06/2013	05/06/2013		
Preparation Method					
Date Analyzed	05/06/2013	05/06/2013	05/06/2013		
Matrix	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg		
Dilution Factor	1	1	1		
Analytes	PQL	Results	Results	Results	
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	
o-Xylene	2.00	ND	ND	ND	
m- & p-Xylenes	4.00	ND	ND	ND	

Our Lab I.D.	296843	296845	296847		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	112	118	119	
Dibromofluoromethane	70-120	92	93	98	
Toluene-d8	70-120	90	93	91	

## QUALITY CONTROL REPORT

QC Batch No: S1C-050613

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	108	114	5.4	75-120	15						
Chlorobenzene	92	91	1.1	75-120	15						
1,1-Dichloroethene (1,1-Dichloroethylene)	87	85	2.3	75-120	15						
MTBE	85	81	4.8	75-120	15						
Toluene (Methyl benzene)	101	102	<1	75-120	15						
Trichloroethene (TCE)	97	97	<1	75-120	15						



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## ANALYTICAL RESULTS

### Ordered By

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3777 Long Beach Blvd. Annex B1  
Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252  
Project Name: Panama Site

### Site

12964 Panama St.  
L.A, CA

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-050313

Our Lab I.D.	POL	Results	Results
Client Sample I.D.		296849	296851
Date Sampled		B17-2.5	B18-2.5
Date Prepared		05/01/2013	05/01/2013
Preparation Method		05/04/2013	05/04/2013
Date Analyzed		05/04/2013	05/04/2013
Matrix		Soil	Soil
Units		ng/kg	ug/kg
Dilution Factor		1	1
Analytes	POL	Results	Results
Acetone	50.0	ND	ND
Benzene	2.00	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND
Bromoform (Chlorobromomethane)	10.0	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND
n-Butylbenzene	10.0	ND	ND
sec-Butylbenzene	10.0	ND	ND
tert-Butylbenzene	10.0	ND	ND
Carbon disulfide	10.0	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND
Chlorobenzene	10.0	ND	ND
Chloroethane	30.0	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND
Dibromochloromethane	10.0	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND
Dibromomethane	10.0	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND
Dichlorodifluoromethane	30.0	ND	ND
1,1-Dichloroethane	10.0	ND	ND



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-050313

Our Lab I.D.	PQL	Results	Results
Client Sample I.D.		296849	296851
Date Sampled		B17-2.5	B18-2.5
Date Prepared		05/01/2013	05/01/2013
Preparation Method		05/04/2013	05/04/2013
Date Analyzed		05/04/2013	05/04/2013
Matrix		Soil	Soil
Units		ug/kg	ug/kg
Dilution Factor		1	1
Analytes	PQL	Results	Results
1,2-Dichloroethane	10.0	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND
1,2-Dichloropropane	10.0	ND	ND
1,3-Dichloropropane	10.0	ND	ND
2,2-Dichloropropane	10.0	ND	ND
1,1-Dichloropropene	10.0	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND
Ethylbenzene	2.00	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND
2-Hexanone	50.0	ND	ND
Isopropylbenzene	10.0	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND
MTBE	5.00	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND
Naphthalene	10.0	ND	ND
n-Propylbenzene	10.0	ND	ND
Styrene	10.0	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND
Trichloroethene (TCE)	10.0	ND	ND
Trichlorofluoromethane	10.0	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND
Vinyl acetate	50.0	ND	ND



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-050313

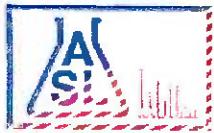
Our Lab I.D.		296849	296851				
Client Sample I.D.		B17-2.5	B18-2.5				
Date Sampled		05/01/2013	05/01/2013				
Date Prepared		05/04/2013	05/04/2013				
Preparation Method							
Date Analyzed		05/04/2013	05/04/2013				
Matrix		Soil	Soil				
Units		ug/kg	ug/kg				
Dilution Factor		1	1				
Analytes	PQL	Results	Results				
Vinyl chloride (Chloroethene)	30.0	ND	ND				
o-Xylene	2.00	ND	ND				
m- & p-Xylenes	4.00	ND	ND				

Our Lab I.D.		296849	296851				
Surrogates	% Rec.Limit	% Rec.	% Rec.				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120	92	99				
Dibromofluoromethane	70-120	94	98				
Toluene-d8	70-120	96	96				

**QUALITY CONTROL REPORT**

QC Batch No: S2C-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit							
Benzene	103	104	<1	75-120	15							
Chlorobenzene	87	91	4.5	75-120	15							
1,1-Dichloroethene (1,1-Dichloroethylcne)	93	97	4.2	75-120	15							
MTBE	102	103	<1	75-120	15							
Toluene (Methyl benzene)	97	98	1.0	75-120	15							
Trichloroethcne (TCE)	102	101	<1	75-120	15							



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Ordered By

ALTA Environmental  
3777 Long Beach Blvd. Annex Bl  
Long Beach, CA 90807-

Number of Pages 8

Date Received 05/02/2013

Date Reported 05/09/2013

Telephone (562) 495-5777  
Attn Reid Shigeno

Job Number	Ordered	Client
56849	05/02/2013	ALTAEN

Project ID: MCGU-13-2252

Project Name: Panama Site

Site: 12964 Panama St.  
L.A., CA

Enclosed are the results of analyses on 2 samples analyzed as specified on attached chain of custody.

Wendy Lu

Wendy Lu  
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



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*Environmental Testing Services*

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## ANALYTICAL RESULTS

Ordered By

ALTA Environmental  
3777 Long Beach Blvd. Annex B  
Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

Page: 2

### Site

12964 Panama St.  
L.A., CA

Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56849	05/02/2013	ALTAEN

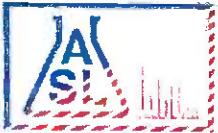
Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 050713-2

QC Batch No. 050713-2					
Our Lab I.D.		296888	296889		
Client Sample I.D.		B19-2.5	B19-5		
Date Sampled		05/02/2013	05/02/2013		
Date Prepared		05/07/2013	05/07/2013		
Preparation Method					
Date Analyzed		05/07/2013	05/07/2013		
Matrix		Soil	Soil		
Units		mg/Kg	mg/Kg		
Dilution Factor		1	1		
Analytes	PQL	Results	Results		
<b>AA Metals</b>					
Mercury	0.0500	ND	ND		
<b>ICP Metals</b>					
Antimony	0.500	ND	ND		
Arsenic	0.250	6.75	11.5		
Barium	0.500	94.8	128		
Beryllium	0.500	ND	0.544		
Cadmium	0.500	1.86	2.44		
Chromium	0.500	21.9	35.2		
Cobalt	0.500	6.71	9.97		
Copper	0.500	32.9	44.0		
Lead	0.250	3.10	5.30		
Molybdenum	0.500	2.04	2.04		
Nickel	0.500	21.1	29.8		
Selenium	0.500	ND	ND		
Silver	0.500	ND	ND		
Thallium	0.500	ND	ND		
Vanadium	0.500	38.5	65.1		
Zinc	0.500	42.5	57.8		

## QUALITY CONTROL REPORT

QC Batch No: 050713-2



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## ANALYTICAL RESULTS

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56849	05/02/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

## QUALITY CONTROL REPORT

QC Batch No: 050713-2



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ANALYTICAL RESULTS

Ordered By

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 Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

Page: 4

Project ID: MCGU-13-2252

Project Name: Panama Site

Site

12964 Panama St.  
 L.A., CA

ASL Job Number	Submitted	Client
56849	05/02/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-050613

Our Lab I.D.		296888	296889				
Client Sample I.D.		B19-2.5	B19-5				
Date Sampled		05/02/2013	05/02/2013				
Date Prepared		05/06/2013	05/06/2013				
Preparation Method							
Date Analyzed		05/06/2013	05/06/2013				
Matrix		Soil	Soil				
Units		mg/Kg	mg/Kg				
Dilution Factor		1	1				
Analytes	PQL	Results	Results				
TPH DROs (C10 to C28)	10.0	ND	ND				
TPH OROs (C28+)	50.0	ND	ND				

Our Lab I.D.		296888	296889				
Surrogates	% Rec.Limit	% Rec.	% Rec.				
Surrogate Percent Recovery							
Chlorobenzene	70-120	106	105				

QUALITY CONTROL REPORT

QC Batch No: S1D-050613

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	91	90	1.1	75-120	<20					



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Telephone: (562)495-5777

Attn: Reid Shigeno

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Project ID: MCGU-13-2252  
Project Name: Panama Site

## Site

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56849	05/02/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2-050313

Our Lab I.D.		296888	296889				
Client Sample I.D.		B19-2.5	B19-5				
Date Sampled		05/02/2013	05/02/2013				
Date Prepared		05/04/2013	05/04/2013				
Preparation Method							
Date Analyzed		05/04/2013	05/04/2013				
Matrix		Soil	Soil				
Units		mg/Kg	mg/Kg				
Dilution Factor		1	1				
Analytes	PQL	Results	Results				
TPH GROs (C6 to C10)	0.500	ND	ND				

Our Lab I.D.		296888	296889				
Surrogates	% Rec.Limit	% Rec.	% Rec.				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120	99	95				

## QUALITY CONTROL REPORT

QC Batch No: S2-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	95	96	1.0	75-120	<20					
Toluene	91	91	<1	75-120	<20					



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ANALYTICAL RESULTS

**Ordered By**

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Long Beach, CA 90807-

Telephone: (562)495-5777

Attn: Reid Shigeno

Page: 6

Project ID: MCGU-13-2252

Project Name: Panama Site

**Site**

12964 Panama St.  
L.A., CA

ASL Job Number	Submitted	Client
56849	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.	PQL	Results	Results
Client Sample I.D.		B19-2.5	B19-5
Date Sampled		05/02/2013	05/02/2013
Date Prepared		05/03/2013	05/03/2013
Preparation Method			
Date Analyzed		05/03/2013	05/03/2013
Matrix		Soil	Soil
Units		ug/kg	ug/kg
Dilution Factor		1	1
Analytes	PQL	Results	Results
Acetone	50.0	ND	ND
Benzene	2.00	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND
n-Butylbenzene	10.0	ND	ND
sec-Butylbenzene	10.0	ND	ND
tert-Butylbenzene	10.0	ND	ND
Carbon disulfide	10.0	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND
Chlorobenzene	10.0	ND	ND
Chloroethane	30.0	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND
Dibromochloromethane	10.0	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND
Dibromomethane	10.0	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND
Dichlorodifluoromethane	30.0	ND	ND
1,1-Dichloroethane	10.0	ND	ND



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**ANALYTICAL RESULTS**

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Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56849	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.	PQL	Results	Results
Client Sample I.D.		296888	296889
Date Sampled		B19-2.5	B19-5
Date Prepared		05/02/2013	05/02/2013
Preparation Method		05/03/2013	05/03/2013
Date Analyzed		05/03/2013	05/03/2013
Matrix		Soil	Soil
Units		ug/kg	ug/kg
Dilution Factor		1	1
Analytes	PQL	Results	Results
1,2-Dichloroethane	10.0	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND
1,2-Dichloropropane	10.0	ND	ND
1,3-Dichloropropane	10.0	ND	ND
2,2-Dichloropropane	10.0	ND	ND
1,1-Dichloropropene	10.0	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND
Ethylbenzene	2.00	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND
2-Hexanone	50.0	ND	ND
Isopropylbenzene	10.0	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND
MTBE	5.00	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND
Naphthalene	10.0	ND	ND
n-Propylbenzene	10.0	ND	ND
Styrene	10.0	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND
Trichloroethene (TCE)	10.0	ND	ND
Trichlorofluoromethane	10.0	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND
Vinyl acetate	50.0	ND	ND



## AMERICAN SCIENTIFIC LABORATORIES, LLC

*Environmental Testing Services*

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Page: 8

Project ID: MCGU-13-2252  
Project Name: Panama Site

ASL Job Number	Submitted	Client
56849	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.	296888	296889			
Client Sample I.D.	B19-2.5	B19-5			
Date Sampled	05/02/2013	05/02/2013			
Date Prepared	05/03/2013	05/03/2013			
Preparation Method					
Date Analyzed	05/03/2013	05/03/2013			
Matrix	Soil	Soil			
Units	ug/kg	ug/kg			
Dilution Factor	1	1			
Analytes	PQL	Results	Results		
Vinyl chloride (Chloroethene)	30.0	ND	ND		
o-Xylene	2.00	ND	ND		
m- & p-Xylenes	4.00	ND	ND		

Our Lab I.D.	296888	296889			
Surrogates	% Rec.Limit	% Rec.	% Rec.		
Surrogate Percent Recovery					
Bromofluorobenzene	70-120	87	88		
Dibromofluoromethane	70-120	87	94		
Toluene-d8	70-120	98	99		

QUALITY CONTROL REPORT

QC Batch No: S1C-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit						
Benzene	105	104	<1	75-120	15						
Chlorobenzene	90	93	3.3	75-120	15						
1,1-Dichloroethene (1,1-Dichloroethylene)	100	95	5.1	75-120	15						
MTBE	94	102	8.2	75-120	15						
Toluene (Methyl benzene)	101	101	<1	75-120	15						
Trichloroethene (TCE)	105	104	<1	75-120	15						

# **EXHIBIT E**



EDWARD G. BROWN JR.  
GOVERNOR



MARTHA RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

## Los Angeles Regional Water Quality Control Board

June 13, 2013

Michael R. Shearer  
Teledyne Technologies  
12870 Panama Street  
Los Angeles, CA 90066

### SITE CLEANUP PROGRAM OVERSIGHT COST REIMBURSEMENT ACCOUNT – THE PANAMA SITE, 12922 PANAMA STREET, LOS ANGELES, CA 90066 (SCP NO. 1292)

Dear Mr. Shearer

The California Regional Water Quality Control Board (Regional Board), Los Angeles Region, is the public agency with primary responsibility for the protection of ground and surface water quality for all beneficial uses within major portions of the Los Angeles and Ventura Counties, including the referenced site.

The Regional Board has evidence that indicates that there is or has been a discharge of waste from the site referenced above. The evidence<sup>1</sup> includes information in the project files that the subsurface soil and groundwater at the site have been mainly impacted with volatile organic compounds (VOCs). Tetrachloroethene (PCE) was detected in soil matrix at concentrations as high as 40,600 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ), and in groundwater up to 36.8 micrograms per liter ( $\mu\text{g}/\text{L}$ ). Additional compounds such as trichloroethene (TCE), cis-1,2-Dichloroethene and 1,2-Dichlorobenzene were also detected. The releases of chemicals from this former microelectronic facility have degraded the groundwater quality and beneficial uses of the State's waters.

Section 13304 of the California Water Code (Porter-Cologne Act) allows the Regional Board to recover reasonable expenses from a responsible party or parties for overseeing the investigation and cleanup of unregulated discharges adversely affecting the State's waters. In compliance with Section 13365 of the California Water Code, this letter is being sent to provide you the following information regarding costs for regulatory oversight work.

#### I. Estimate of Work to be Performed

The Regional Board staff estimates that during the Regional Board's 2013/2014 fiscal year (July 1, 2013 to June 30, 2014) and the month of June 2013, regulatory oversight work may include, but is not limited to, the following tasks to be performed at the site:

1. Review technical reports and determine if the contamination sources and plumes are fully delineated vertically and laterally;

<sup>1</sup>. Alta Environmental Panama Street Site Evaluation Preliminary Results: May 16, 2013

MARIA MEHRANIAN, CHAIR | SAMUEL UNGER, EXECUTIVE OFFICER

320 West 4th St., Suite 200, Los Angeles, CA 90013 | [www.waterboards.ca.gov/losangeles](http://www.waterboards.ca.gov/losangeles)

June 13, 2013

2. Request and review of additional assessment workplans and reports, detailed remediation design and installation plan, progress and monitoring reports, risk assessment workplans and reports, and other technical reports as necessary;
3. Prepare comment letters on various reports and communicate findings to responsible parties;
4. Conduct site inspections, collect split samples, and attend meetings with environmental consultant and responsible parties; and
5. Conduct internal and external communication (i.e. meetings, memos) about or related to the site.

## **II. Statement of Expected Outcome**

The expected outcome of work that will be performed includes providing written comments on the submitted reports and workplans, verifying the adequacy of reports, and determining the need to further investigate the impact to soil and groundwater as well as risk to human health and environment, and responding to public inquiries about site investigations and cleanups as needed.

## **III. Billing Rate**

Attached are the Site Cleanup Program, Monthly Salary Scales by Job Classification (Attachment 1) for employees expected to perform the work and the Reimbursement Process for Regulatory Oversight (Attachment 2). The names and classifications of employees that charge time to this site will be listed on the invoices. The average billing rate is about \$150.00 per hour.

## **IV. Estimation of Expected Charges**

- A. Regional Board staff expects to charge about 150 hours for work related to this site during fiscal year 2013/2014. Based on the average billing rate of \$150.00 per hour, the estimated billing charge by the Regional Board staff for this site during this fiscal year is about \$22,500, which does not include possible contract charges stated in B (below). **Please note that this is neither a commitment nor a contract for regulatory oversight. It is only an estimate of the work, which may be performed.**
- B. To better evaluate the potential health risk from the detected or residual contaminants posed to the current/future occupants of the site and the immediate site vicinity, the Regional Board has established a contract with the State Office of Environmental Health Hazard Assessment (OEHHA), to have their toxicologists review the submitted health risk assessment reports. OEHHA will review, evaluate if appropriate, and provide comments on risk assessment reports. When requested, OEHHA toxicologists will provide the Regional Board consultation services on issues concerning human health and/or environmental risks.

Under the Cost Recovery Program, the responsible party is required to reimburse the Regional Board for the cost incurred by OEHHA review. Occurred charges by OEHHA staff will be included in our invoices under the contract charges category. All quarterly invoices generated for this project will be sent to your provided billing contact by the Site Cleanup Program, State Water Resources Control Board.

## **V. Landowner Notification and Participation Requirements**

Pursuant to California Water Code section 13307.1, the Regional Board is required to notify all current fee title holders for the subject site prior to considering corrective action or granting case closure. Therefore, you are required to provide the name, mailing and e-mail addresses, and telephone number for all record fee title holders for the site together with a copy of county record of current ownership, available from the County Recorder's Office, or complete the attached Certification Declaration Form (Attachment 3) and submit it to our office.

June 13, 2013

Please sign and return the enclosed landowner's information (Attachment 3) and "Acknowledgment of Receipt of Cost Reimbursement Account Letter" (Attachment 4) to Mr. Chay Tang (case manager) of the Regional Board by June 13, 2013.

#### VI. Other Requirements

1. **Change of Ownership:** You must notify the Executive Officer, in writing at least 30 days in advance of any proposed transfer of this cost reimbursement account's responsibility to a new owner containing a specific date for the transfer. In addition, you shall notify the succeeding owner of the existence of this cost reimbursement account by letter, copy of which shall be forwarded to the Board.
2. **Public Participation:** With increased public interest in our programs and the public knowledge of threat to human health and the environment, the Regional Board has increased efforts to get the public more involved in our decision making process. The Regional Boards are also required to involve the public in site cleanup decisions under State law (including Health & Safety Code section 25356.1 and California Water Code sections 13307.5 and 13307.6). You may be required to prepare and implement a public participation plan. Regional Board staff will provide you with additional guidance as appropriate.
3. **Electronic Submittals:** In September 2004, the State Water Resources Control Board adopted regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, California Code of Regulation) requiring the electronic submittal of information (ESI) for all site cleanup programs, starting January 1, 2005. Currently, all of the information on electronic submittals and GeoTracker contacts can be found at [http://www.waterboards.ca.gov/ust/electronic\\_submittal](http://www.waterboards.ca.gov/ust/electronic_submittal).

To comply with the above referenced regulation, you are required to upload all technical reports, documents, and well data to GeoTracker by the due dates specified in the Regional Board letters and orders issued to you or for the site. However, we may request that you submit hard copies of selected documents and data to the Regional Board in addition to electronic submittal of information to GeoTracker.

If you have any questions, please contact Mr./Ms. Chay Tang (case manager) [chay.tang@waterboards.ca.gov](mailto:chay.tang@waterboards.ca.gov) or Dr. Kwangil Lee at [kwangil.lee@waterboards.ca.gov](mailto:kwangil.lee@waterboards.ca.gov).

Sincerely,

*for Paula Romanus*  
Samuel Unger, PE  
Executive Officer

Attachments:

1. Monthly Salary Scales by Job Classification
2. Reimbursement Process for Regulatory Oversight
3. Certification Declaration Form
4. Acknowledgment of Receipt of Cost Reimbursement Account Letter

STATE WATER RESOURCES CONTROL BOARD  
SITE CLEANUP PROGRAM (SCP)  
BILLING COST EXPLANATION  
Fiscal Year 2013-2014

<u>Employee Salary and Benefits by Classification</u> <sup>1</sup>	<u>ABR</u>	<u>SALARY/ BENEFITS RANGE</u>
7500 - AEO CEA	CEA	8,840 - 19,738
4558 - Admin Officer II	ADMNOffII	6,619 - 8,225
5871 - Assistant Chief Counsel	ACC	12,789 - 14,814
5393 - Associate Governmental Program Analyst (Statewide)	AGPA	6,301 - 7,889
4707 - Business Serv Asst (Spec)	BSA	3,573 - 5,470
3756 - Engineering Geologist (SWRCB)	EG	6,599 - 12,423
0760 - Environmental Program Manager I (Managerial) (SWRCB)	EPMIM	9,937 - 11,284
0756 - Environmental Program Manager I (Supervisory) (SWRCB)	EPMIS	8,986 - 11,174
0769 - Environmental Program Manager II (SWRCB)	EPMII	11,465 - 13,025
0762 - Environmental Scientist (SWRCB)	ES	4,407 - 8,424
3843 - Exec Officer I	EO	14,043 - 15,640
3842 - Exec Officer II	EO II	14,345 - 15,996
5601 - Information Officer I (Spec)	IO	6,301 - 7,889
1419 - Key Data Operator	KDO	3,083 - 4,388
1282 - Legal Secretary	LS	4,351 - 5,720
1441 - Office Assistant (General) (Statewide)	OA	2,970 - 4,086
1379 - Office Assistant (Typing) (Statewide)	OA	3,069 - 4,169
1138 - Office Technician (General) (Statewide)	OT	3,778 - 4,733
1139 - Office Technician (Typing) (Statewide)	OT	3,847 - 4,815
3851 - Principal Water Resources Control Engineer (SWRCB)	PWRCE	14,095 - 16,009
5373 - Public Participation Specialist	PPS	6,301 - 7,889
3826 - Sanitary Engineering Associate (Statewide)	SEA	7,103 - 8,890
3782 - Sanitary Engineering Technician (Statewide)	SET	4,892 - 7,030
3751 - Senior Engineering Geologist (Statewide)	SEG	10,565 - 14,559
0764 - Senior Environmental Scientist (SWRCB)	SRES	7,805 - 9,703
3224 - Senior Legal Typist	SLT	3,708 - 5,186
3844 - Senior Water Resources Control Engineer (SWRCB)	SWRCE	10,565 - 14,559
5778 - Staff Counsel (Statewide)	STCOUN	6,694 - 11,659
5795 - Staff Counsel III (Statewide)	STCOUNIII	11,001 - 14,116
5815 - Staff Counsel III (Sup)	STCOUNIII	11,007 - 14,125
5780 - Staff Counsel IV (Statewide)	STCOUNIV	12,153 - 15,604
0765 - Staff Environmental Scientist (SWRCB)	SES	7,798 - 9,699
5157 - Staff Services Analyst (General)	SSA	4,034 - 6,558
4800 - Staff Services Manager I	SSM I	7,274 - 9,038
3748 - Supervising Engineering Geologist (Statewide)	SUEG	11,596 - 14,518
3849 - Supervising Water Resources Control Engineer (SWRCB)	SUWRCE	11,596 - 14,518
3850 - Supervising Water Resources Control Engineer (MGR)	SUEG	12,824 - 14,571
3846 - Water Resources Control Engineer (SWRCB)	WRCE	6,599 - 12,360

**Note: The State is currently negotiating with the unions so the upper limits of the above ranges may be subject to change.**

Intermittent Employees:

1120 - Seasonal Clerk	SC	8.18/hr. - 9.35/hr.
1931 - Scientific Aid	SAID	11.58/hr. - 13.34/hr.
4871 - Student Assistant - Engineering (Statewide)	SAE	11.55/hr. - 17.28/hr.

<sup>1</sup> The name and classification of employees performing oversight work will be listed on the invoice you receive.

**Operating Expenses and Equipment**<sup>2</sup> (both Headquarters and Regional Board offices)  
Indirect Costs (Overhead = cost of doing business)                    120%

Water Resources Control Engineer

**Billing Example**

Salary:	\$	11,647
Overhead (indirect costs):	\$	<u>13,976</u>
Total Cost per month	\$	25,623

Divided by 176 hours per month equals per hour: \$ 145.59  
(Due to the various classifications that expend SCP resources. An average of \$ 150.00 per hour can be used for projection purposes.)

---

<sup>2</sup> The examples are estimates based on recent billings. Actual charges may be slightly higher or lower.

## ATTACHMENT 2

### REIMBURSEMENT PROCESS FOR REGULATORY OVERSIGHT

We have identified your facility or property as requiring regulatory cleanup oversight. Pursuant to the Porter-Cologne Water Quality Control Act, reasonable costs for such oversight can be recovered by the Regional Water Quality Control Board (RWQCB) from the responsible party. The purpose of the enclosure is to explain the oversight billing process structure.

#### INTRODUCTION

The Porter-Cologne Water Quality Control Act authorizes the State Water Resources Control Board (SWRCB) to set up Cost Recovery Programs. The Budget Act of 1993 authorized the SWRCB to establish a Cost Recovery Program for Site Cleanup Program (SCP). The program is set up so that reasonable expenses incurred by the SWRCB and RWQCBs in overseeing cleanup of illegal discharges, contaminated properties, and other unregulated releases adversely impacting the State's waters can be reimbursed by the responsible party. Reasonable expenses will be billed to responsible parties and collected by the Fee Coordinator at the SWRCB in the Division of Financial Assistance (DFA).

#### THE BILLING SYSTEM

Each cost recovery account has a unique Site ID number assigned to it. Whenever any oversight work is done, the hours are entered into the SCP Cost Recovery/daily logs database. The cost of the staff hours is calculated by the State Accounting System based on the employee's salary and benefit rate and the SWRCB overhead rate.

SWRCB and RWQCB Administrative charges for work such as accounting, billing preparation, general program meetings and program specific training cannot be charged directly to an account. This work will be charged to Administrative accounting codes one per Region. The Accounting Office totals these administrative charges for the billing period and distributes them back to all of the accounts based on the number of hours charged to each account during that billing period. These charges show as State Board Program Administrative Charges and Regional Board Program Administrative Charges on the Invoice.

The current billing period charges will include associated labor costs, risk assessment contract charges, overhead charges, SWRCB/DFA Administrative charges, and RWQCB Administrative charges. The overhead charges are based on the number of labor hours charged to the account. The overhead charges consist of rent, utilities, travel, supplies, training, and accounting services. Most of these charges are paid in arrears. The Accounting Office keeps track of these charges and distributes them back monthly to only those accounts having Labor hours charged to them for the period being billed. No site will be billed for overhead during a billing period unless Labor hours have been posted to the RWQCB employee's daily logs residing in the SCP Cost Recovery database.

Invoices are issued quarterly, one quarter in arrears. If a balance is owed, a check is to be remitted to the SWRCB with the invoice remittance stub within 30 days after receipt of the invoice. The Fee Coordinator inputs a record of all checks received directly or by the Accounting Office on a daily basis.

## ATTACHMENT 2

Copies of the invoices are sent to the appropriate RWQCBs so that they are aware of the oversight work involved. Questions regarding the work performed should be directed toward your RWQCB case worker.

### **DISPUTE RESOLUTION**

If a dispute regarding oversight charges cannot be resolved with the RWQCB, Section 13320 of the California Water Code provides a process whereby persons may petition the SWRCB for review of RWQCB decisions. Regulations implementing Water Code Section 13320 are found in the Title 23 of the California Code of Regulations, Section 2050.

### **DAILY LOGS**

A detailed description (daily log) of the actual work being done at each specific site is kept by each employee in the Regional Water Board who works on the cleanup oversight at the property. This information is provided on the quarterly invoice using standardized work activity codes to describe the work performed. *Upon request, a more detailed description of the work performed is available from the RWQCB staff.*

### **REMOVAL FROM THE BILLING SYSTEM**

After the cleanup is complete, the RWQCB will submit a closure form to the SWRCB to close the account. If a balance is due, the Fee Coordinator will send a final billing for the balance owed. The responsible party should then submit a check to the SWRCB to close the account.

### **AGREEMENT**

No cleanup oversight will be performed unless the responsible party of the property has agreed in writing to reimburse the State for appropriate cleanup oversight costs and submitted to the RP. You may wish to consult an attorney in this matter. As soon as the letter is received, the account will be added to the active Site Cleanup program Cost Recovery billing list and oversight work will begin.



EDWARD G. BROWN JR.  
GOVERNOR

MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

ATTACHMENT 3

CERTIFICATION DECLARATION FOR COMPLIANCE WITH FEE TITLE HOLDER  
NOTIFICATION REQUIREMENTS (California Water Code Section 13307.1)

Please Print or Type

Fee Title Holder(s): PAN-PAN LLC, EGL-PAN LLC, JAN-PAN LLC & SCHAEFFER-PAN LLC  
C/O DAVID E. CRANSTON Mailing Address: 1000 Avenue of the Stars, 21st FL,  
Greenberg Glusker Fields Claman & McCarthy LLP, Los Angeles, CA 90067

Contact Person: DAVID E. CRANSTON

Telephone Number / E-mail: 310-785-6897 / DCranston@greenbergglusker.com

Site Name: Panama SITE

Address: 12900 Panama STREET, LOS ANGELES, CA 90066

County Assessor Parcel Number (APN): A223-008-067

Contact Person: MICHAEL SHEPHERD

Telephone Number / E-mail: 310-577-3856 / MICHAEL.SHEPHERD@teledyne.com

File Number: SCP No. 1292

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." (See attached page for who shall sign the Certification Declaration).

MELANIE S. CUBIK Senior Vice President, General Counsel & Secretary  
Printed Name of Person Signing Official Title

Melanie S. Cubik  
Signature

Date Signed

June 13 2013

MARIA MEHRANIAN, CHAIR | SAMUEL UNGER, EXECUTIVE OFFICER

820 West 4th St., Suite 200, Los Angeles, CA 90013 | www.watboards.ca.gov/losangeles



EDUARDO G. BROWN JR.  
GOVERNOR



MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

Water Boards

Los Angeles Regional Water Quality Control Board

ATTACHMENT 4

ACKNOWLEDGEMENT OF RECEIPT OF  
OVERSIGHT COST REIMBURSEMENT ACCOUNT LETTER

I, MICHAEL R. SCHAFFER, acting within the authority vested in me as an authorized representative of TELEFINE TECHNOLOGIES INCORPORATED, a corporation, acknowledge that I have received and read a copy of the attached *REIMBURSEMENT PROCESS FOR REGULATORY OVERSIGHT* and the cover letter dated ~~XXXXX~~, 2012, concerning cost reimbursement for Regional Board staff costs involved with oversight of cleanup and abatement efforts at ~~XXXX~~ (Site Name) in Los Angeles County. The site address is ~~XXXX~~ Street, ~~XXXX~~ (City), California.

12910 PANAMA STREET, LOS ANGELES, CALIFORNIA.

I understand the reimbursement process and billing procedures as explained in the letter. Our company is willing to participate in the cost recovery program and pay all subsequent billings in accordance with the terms in your letter and its attachments, *and to the extent required by law*. I also understand that signing this form does not constitute any admission of liability, but rather only an intent to pay for costs associated with oversight, *as set forth above, and to the extent required by law*. Billings for payment of oversight costs should be mailed to the following individual and address:

TELEFINE MicroElectronics  
BILLING COMPANY: TELEFINE TECHNOLOGIES INCORPORATED (d.b.a. Telefines)

BILLING CONTACT: MICHAEL R. SCHAFFER

BILLING ADDRESS: 12870 PANAMA STREET, LOS ANGELES, CA 90064

TELEPHONE NO.: 310-577-3856      E-Mail: MICHAEL.SCHAFFER@TELFINEZ.COM

RESPONSIBLE PARTY'S SIGNATURE: 

(Signature)

DIRECTOR - ENVIRONMENT, HEALTH & SAFETY (Title)

DATE: JUNE 10, 2013

SCP or WIP NO. XXXXX 1092 SITE ID NO.

MARIA MEHRANIAN, CHAIR | SAMUEL UNGER, EXECUTIVE OFFICER

520 West 4th St., Suite 200, Los Angeles, CA 90013 | www.waterboards.ca.gov/losangeles

 RECYCLED PAPER

# **EXHIBIT F**

Brian E. Moskal  
D: 310.785.6833  
F: 310.201.2368  
BMoskal@GreenbergGlusker.com

July 16, 2014

**Via E-Mail (Petition Only) and U.S. Mail**

Samuel Unger, P.E.  
Executive Officer  
California Regional Water Quality Control Board, Los Angeles Region  
320 West 4th Street, Suite 200  
Los Angeles, CA 90013

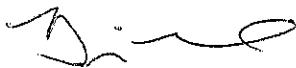
**Re: Petition for Review of LARWQCB Investigative Order No. R4-2014-0103**

**Site: 12908, 12910, 12918, 12920, 12922, 12930, 12950 & 12964 Panama Street, Los Angeles, California 90066 (Site No. ID 2040430, SCP Case No. 1292)**

Dear Mr. Unger:

As you may know, we represent GGL-Pan, LLC, Jan-Pan, LLC, Ron-Pan, LLC, and Schaefer-Pan, LLC ("Petitioners") with respect to the Investigative Order and property referenced above. As we have discussed with Mr. Brooks of your office, please find enclosed the Petitioners' Petition for Review of the Los Angeles Regional Water Quality Control Board's ("Regional Board") Investigative Order, issued by the Regional Board on June 16, 2014, and Petitioners Appendix in Support of the Petition for Review.

Sincerely,



Brian E. Moskal

BEM/sl

Enclosures

# **EXHIBIT G**

Brian E. Moskal  
D: 310.785.6833  
F: 310.201.2368  
BMoskal@GreenbergGlusker.com



July 16, 2014

Via E-Mail (Petition Only) and U.S. Mail

Susan L. Germaise, Esq.  
Dana P. Palmer, Esq.  
McGuire Wood LLP  
1800 Century Park East, 8th Floor  
Los Angeles, CA 90067

**Re: Petition for Review of LARWQCB Investigative Order No. R4-2014-0103**

**Site: 12908, 12910, 12918, 12920, 12922, 12930, 12950 & 12964 Panama Street, Los Angeles, California 90066 (Site No. ID 2040430, SCP Case No. 1292)**

Dear Susan and Dana:

Enclosed please find GGL-Pan, LLC, Jan-Pan, LLC, Ron-Pan, LLC and Schaefer-Pan, LLC's ("Petitioners") Petition for Review of the Investigative Order referenced above and Petitioners' Appendix in Support of the Petition for Review.

Sincerely,

A handwritten signature in black ink, appearing to read "BEM".

Brian E. Moskal

BEM/sl

Enclosures

# **EXHIBIT H**

**David E. Cranston**  
D: 310.785.6897  
F: 310.201.2361  
[DCranston@GreenbergGlusker.com](mailto:DCranston@GreenbergGlusker.com)  
File Number: 57149-00102



April 8, 2014

**Via E-Mail and U.S. Mail**

Dr. Kwang-il Lee  
Los Angeles Regional Water Quality Control Board  
320 W. fourth St., Ste. 200  
Los Angeles, CA 90013  
**Email: [Kwangil.Lee@waterboards.ca.gov](mailto:Kwangil.Lee@waterboards.ca.gov)**

Re: The Panama Site: Regional Board Case No. 1292

Dear Dr. Lee:

On March 26, 2014, Teledyne's outside counsel sent you a letter regarding The Panama Site, Regional Board Case No. 1292 ("Property"). As you may recall, we represent the owners of the Property, which are four LLCs: Ron-Pan, LLC, Jan-Pan, LLC, GGL-Pan, LLC and Schaefer-Pan, LLC (collectively, "Owners"). These LLCs own the Property as tenants-in-common. The members of the LLCs are family trusts, the trustees of which are the children and grandchildren of the original owners of the Property.

Despite Teledyne's assertions to the contrary, rest assured that the Owners made multiple offers to provide Teledyne with access to the Property for purposes of further investigation and remediation. Indeed, we recently sent the attached letter to Teledyne reminding Teledyne that the Owners would provide access to the Property under a simple access agreement and requesting that Teledyne commence work as soon as possible.

It is in the Owners' interests to have the Property remediated as soon as possible. As Teledyne knows, it had been the Owners' intent to sell the Property at the end of Teledyne's lease on July 31, 2013. However, due to Teledyne's historical contamination and current intransigence, the Property remains vacant and unsalable. The sooner Teledyne can commence and complete the remediation, particularly the soil excavation, the sooner the Owners can sell the Property. In the meantime, the Owners are losing money. However, since August of 2013 Teledyne has insisted it will not even entertain discussions regarding its access to further investigate and remediate the Property absent a global settlement and resolution of the many complicated issues arising out of Teledyne's contamination, including legal issues subject to privileged and confidential discussions, which need not be resolved for Teledyne to commence this work.

While the Owners believe the soil contamination on the Property can and should be removed immediately in the absence of such a global resolution, the Owners trusted the parties could reach an amicable and reasonable resolution that would lead to the prompt remediation of

the Property. Accordingly, we engaged in protracted negotiations with Teledyne, which you can see have not yet borne fruit. In the interests of facilitating the discussions with Teledyne, we did not want to trouble the Los Angeles Regional Water Quality Control Board (“RWQCB”) with our complaints and frustration over Teledyne’s refusal to perform the work.

Unfortunately, in a bizarre turn, Teledyne – the party that caused the contamination through nearly 60 years of industrial operations – has now filed not just one, but two lawsuits against the Owners. And even more unfortunately, Teledyne now seeks to mask its own inaction by improperly and inaccurately placing blame on the Owners. While we have now learned our lesson about the perils of trying to accommodate Teledyne, this should also serve as a cautionary tale for any other aggrieved property owners who intend to negotiate with Teledyne.

Of course, given the foregoing, Teledyne’s claims that the Owners are somehow responsible for any continuing migration of contamination is absurd. Indeed, if Teledyne’s concerns over migration – and Teledyne’s “reputation” – were genuine, they would have offered to enter the Property and commence remediation without imposing the conditions that they did. And even if Teledyne genuinely believed that Owners were impairing access, Teledyne could have – and should have – conducted further investigation on property not owned by Owners to investigate (1) the potential for soil vapor migration across Panama Street; and (2) the extent of the migration of groundwater contamination off the Property to the south/southwest. As far as we have been made aware, Teledyne has done none of these things.

Moreover, the contamination on the Property is the result of 56 years of Teledyne’s industrial operations including significant use of chlorinated solvents. One would expect that the contamination is relatively stable at this time, but to the extent that Teledyne is legitimately concerned about any material migration over the last several months, that concern may be rooted in Teledyne’s knowledge of the release of chlorinated solvents or other materials relatively recently – perhaps in connection with the transfer of operations and movement of chemicals and equipment from the premises. If so, Teledyne should have immediately responded to such releases and reported them to both the RWQCB and the Owners.

In any event, with the day-to-day use of chlorinated solvents in portable and other degreasers over several decades, Teledyne has long been aware that the Property was not only likely to have been contaminated but was in fact contaminated. Teledyne had knowledge in 1985 of a major spill of a drum of chlorinated solvent, a spill that was not reported to Owners and not investigated until the recent sub-surface investigation by Alta. We are unaware of any Teledyne facility with similar chlorinated solvent operations, during similar timeframes, that has not been found to be contaminated (to the extent it was investigated) – and there are many such sites throughout the country including sites which are so contaminated as to make the U.S. EPA’s National Priorities List. Thus, if Teledyne was truly concerned about its reputation and the potential for continuing migration of contaminants, it would have investigated and remediated the Property many years ago. Instead, Teledyne waited until after Owners conducted their own Phase I, which determined various Teledyne operations and features at the Property

constituted recognized environmental conditions, and only commenced its investigation in the waning months of its lease, leaving any remedial work to be conducted after Teledyne had vacated the premises, despite Teledyne's assertion to you and us at our July 10, 2013 meeting in your offices that it could complete the excavation work in the remaining three weeks of its lease.

Due to reasons of confidentiality ordinarily observed by attorneys and parties alike, we cannot disclose to you the various conditions to resolution that Teledyne has insisted upon before commencing remediation. However, you can see from Teledyne's letter that one condition Teledyne is demanding is that the Property be remediated to a standard that will only allow it to be used for commercial and industrial uses for many years to come.

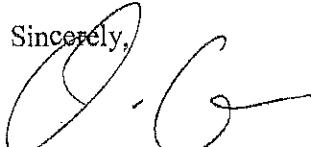
The area in and around Marina del Rey has changed significantly over the last 60 years. , The Marina itself did not even exist at the time the Property was originally developed. In addition to the long-standing residential development across Panama Street from the Property, there are a number of residential projects as well as retail, food and entertainment developments in the area that make it desirable for residences. The Property is currently zoned for light manufacturing, but there is significant interest by a number of very experienced and respected potential buyers and developers in having the Property rezoned now or at a later date to allow for mixed use or residential use. There has also been interest expressed in developing a private school on the Property. There is no legal, technical or other reasonable basis to limit Teledyne's remediation obligations to a cleanup that will only allow commercial or industrial development now and in perpetuity –particularly where the Owners of the Property oppose such a limitation. When the Property was originally leased to Teledyne, there was no express or implied agreement that Teledyne could impair the Property with hazardous materials such that its future use would be permanently restricted. Teledyne contaminated the Property and it should be required to clean it up to a standard that will allow for unrestricted use.

We request that you direct Teledyne to submit a workplan for the immediate excavation of soils that will allow for unrestricted use, including the excavation of soils in certain areas underneath two of the buildings. The buildings can accommodate a small backhoe. Excavation underneath the buildings is necessary to avoid potential vapor intrusion into the buildings and to avoid the potential leaching of contaminants from soils into the shallow groundwater. As Teledyne has now indicated to you (if not to the Owners) that they are prepared to commence remediation, we will prepare a simple access agreement for their use or they can supply us with one.

Unless and until Teledyne refuses to comply with your directives, we see no reason for the Owners to suffer additional distress by being named Responsible Parties by the RWQCB as Teledyne has requested.

Dr. Kwang-il Lee  
April 8, 2014  
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We would like to discuss these issues further with you in person at your convenience.

Sincerely,  
  
David E. Cranston

DEC:pf  
Enclosure

cc: Dana P. Palmer, Esq.  
Susan L. Germaine, Esq.  
Dr. Arthur Heath, Los Angeles Regional Water Quality Control Board  
Dr. Ravi Arulanantham, Geosyntec  
Gloria Lushing, Manager, and Glenn Freeman, GGL-Pan, LLC  
Eric Larson, Manager, Jan-Pan, LLC  
Ron Lushing, Manager, and Brian Lushing, Ron-Pan, LLC  
Rudolf Schaefer and Rhoda "Peekie" Schaefer, Managers, Randy Schaefer, and  
Ellen Kruger, Schaefer-Pan, LLC  
Ira J. Waldman, Esq.  
Perry S. Hughes, Esq.

**David E. Cranston**  
D: 310.785.6897  
F: 310.201.2361  
[DCranston@GreenbergGlusker.com](mailto:DCranston@GreenbergGlusker.com)



February 11, 2014

**Via E-Mail and U.S. Mail**

Dana P. Palmer, Esq.  
McGuire Woods LLP  
1800 Century Park East, Suite 800  
Los Angeles, CA 90067

Re: 12908-12964 Panama Street, Marina del Rey ("Property")

Dear Dana:

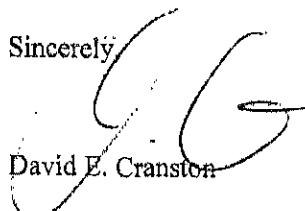
While we are continuing to try and reach a global resolution of the owners' claims against Teledyne as a result of Teledyne's contamination of the Property, this letter is not a settlement or mediation communication. It is to remind Teledyne that the owners remain prepared to provide access to Teledyne to perform further investigation and remediation of the Property while any such discussions are pending. We believe any further delay in performing the work is unwarranted and urge Teledyne to commence work at its earliest opportunity. A simple access agreement with typical terms should be adequate to allow Teledyne to do the work.

Among other things, it is important for Teledyne to conduct additional soil vapor investigation along Panama Street to confirm that soil vapor has not migrated north at the Property. We will be providing Teledyne with our consultant's thoughts about where Teledyne should conduct such additional sampling.

Dana P. Palmer, Esq.  
February 11, 2014  
Page 2

If Teledyne is willing to perform its legal obligation to conduct further investigation and remediation, please contact me immediately so we can have make arrangements for appropriate access.

Sincerely



David E. Cranston

DEC/pf

cc: Gloria Lushing, Manager, and Glenn Freeman, GGL-Pan, LLC  
Eric Larson, Manager, Jan-Pan, LLC  
Ron Lushing, Manager, and Brian Lushing, Ron-Pan, LLC  
Rudolf Schaefer and Rhoda "Peekie" Schaefer, Managers, Randy Schaefer, and  
Ellen Kruger, Schaefer-Pan, LLC  
Ira J. Waldman, Esq.  
Perry S. Hughes, Esq.  
Brian E. Moskal, Esq.

# **EXHIBIT I**

David E. Cranston  
D: 310.785.6897  
F: 310.201.2361  
DCranston@GreenbergGlusker.com  
File Number: 53760-00102



May 16, 2014

**Via E-Mail and U.S. Mail**

Dr. Kwang-il Lee  
Ms. Ann Lin  
Los Angeles Regional Water Quality Control Board  
320 W. Fourth Street, Ste. 200  
Los Angeles, CA 90013  
[Kwangil.Lee@waterboards.ca.gov](mailto:Kwangil.Lee@waterboards.ca.gov)  
[Alin@waterboards.ca.gov](mailto:Alin@waterboards.ca.gov)

Re: The Panama Site: Regional Board Case No. 1292

Dear Dr Lee and Ms. Lin:

We truly regret the volume of correspondence that is being directed at you as a result of the dispute between Teledyne the Property owners. Regrettably, we are once again forced to respond to Teledyne's latest letters dated May 2, 2014.

Despite Teledyne's claim that it wants to immediately move forward with certain soil removal work, Teledyne has not provided the Property owners with a proposed work plan (other than a one-page diagram) for the soil removal work it proposes to perform that can be submitted to the Regional Water Quality Control Board ("Regional Board") for approval. Likewise, Teledyne has failed to submit to the Regional Board its Site Investigation Report. We received a draft over six (6) months ago to which Property owners have commented, but as far as we understand, no final report has been generated and provided to you. Teledyne should be directed to submit its Site Investigation Report within the next ten (10) days. Teledyne should also submit proposed work plans for (1) additional soil vapor investigation along Panama Street to confirm that no soil vapor is migrating towards the residential area across the street, and (2) investigation to characterize the extent of off-site migration of contaminants in groundwater.

Teledyne relies on certain purported authority in its effort to persuade the Regional Board to take action. However, the Teledyne's representations regarding the nature of those authorities are in error.

- Teledyne has requested a warrant under Water Code section 13304(b)(3) so that Teledyne can access the Property. That statute is inapplicable. It only applies if the Regional Board needs access. If the Regional Board needs access, just ask.
- Teledyne has cited to State Water Resources Control Board ("State Board") Order WQO 2004-0005. The State Board did not "determine" that all responsible parties must be

Dr. Kwang-il Lee  
Ms. Ann Lin  
May 16, 2014  
Page 2

named in Regional Board orders, as Teledyne represents. In fact, that Order determined that there was insufficient evidence to require Chevron to conduct certain investigation and cleanup work at the site in question. Moreover, the Order is not "precedent," as Teledyne represents. The Order was subsequently withdrawn by the State Board by Order WQ 2006-0006.

This pattern is repeated:

- Teledyne suggests that the Property was also contaminated by others, simply because they were "industrial" entities. (Teledyne now even suggests that a dairy that operated over 60 years ago may be the cause of some of the problems.) After what Teledyne characterizes as a thorough investigation, there is still no evidence of any contamination consistent with any operations other than Teledyne's. On the other hand, Teledyne has operated at the Property since 1957. Teledyne has a long history of using the same chlorinated solvents at the Property that are contaminating the Property, Teledyne had at least one documented large spill, and the contamination is not dissimilar from contamination at many other Teledyne facilities.
- Teledyne essentially asserts that because the site was contaminated by its industrial operations, it should be remediated to only allow future industrial operations. Teledyne has cited no law – as there is none – that would so limit Teledyne's obligations. Meanwhile, the owners have pointed to provisions of the Water Code which show that in order for Teledyne to obtain a no further action determination, the Property must be safe for unrestricted use – unless the Property owner consents to deed restrictions. However, the owners are not required to so consent. While Teledyne continues to "disagree" with everything the property owners say, it does not dispute – nor can it – that these laws apply.

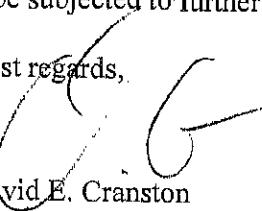
Make no mistake, the Property owners want Teledyne to remediate the Property as soon possible. In fact, the soil removal work, at least, should have already been completed. But it needs to be done right. Teledyne's sudden rush to remediate the Property months *after* its tenancy ended must be viewed with at least a little skepticism as Teledyne failed to conduct any remediation *during* its tenancy. Teledyne has been well-aware that the Property was contaminated, or very likely to be, since at least 1985, and probably long before that.

In the interests of human health and the environment, and in the interest of making full economic use of the Property, the Property should be cleaned up by Teledyne to allow for unrestricted use. Teledyne tries to vilify the Property owners simply because the owners want the Property safe for all uses. There is no tenet of law or equity that suggests an owner should be required to suffer the obstruction of use of its property at the hands of a polluter when the contamination can be reasonably abated to allow all uses.

Dr. Kwang-il Lee  
Ms. Ann Lin  
May 16, 2014  
Page 3

Believe us, we want to work with Teledyne. We want to discuss with them their work plans and an appropriate means to remediate the Property that does not prejudice any future determinations regarding its future use. We have provided Teledyne with a revised access agreement that we trust will be satisfactory. We truly hope - for your sake and ours - that these discussions will obviate the need for you to be subjected to further letters.

Best regards,

  
David E. Cranston

DEC/pf

cc: Dana P. Palmer, Esq.  
Susan L. Germaine, Esq.  
Dr. Arthur Heath, Los Angeles Regional Water Quality Control Board  
Dr. Ravi Arulanantham, Geosyntec  
Brian E. Moskal, Esq.  
Ira J. Waldman, Esq.  
Perry S. Hughes, Esq.  
Gloria Lushing, Manager, and Glenn Freeman, GGL-Pan, LLC  
Eric Larson, Manager, Jan-Pan, LLC  
Ron Lushing, Manager, and Brian Lushing, Ron-Pan, LLC  
Rudolf Schaefer and Rhoda "Peekie" Schaefer, Managers, Randy Schaefer, and  
Ellen Kruger, Schaefer-Pan, LLC

# **EXHIBIT J**

**Lopez, Susan**

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**From:** Cranston, David  
**Sent:** Tuesday, July 15, 2014 1:27 PM  
**To:** 'Brooks, Jeff@Waterboards'  
**Subject:** RE: Panama Site- SCP #1292- 13267 Order (attached)

Jeff

It was good to talk to you today. As I mentioned, we think the Owners should be named as "secondary" dischargers at most. There is no evidence that the Owners caused any contamination and all the evidence points to Teledyne's operations. Also, as there is no evidence that the Owners knew that Teledyne's operations were causing any release or discharge of hazardous substances, it seems that they should not be named in the order at all.

As I indicated , we will probably file a petition tomorrow and request that it be held in abeyance. But let me know if you think you can amend the order.

Regardless, the Owners intend to continue to cooperate with the RWQCB and Teledyne and we appreciate all your assistance and oversight. We look forward to working with you.

Best regards,

Dave Cranston

---

**From:** Brooks, Jeff@Waterboards [<mailto:Jeff.Brooks@Waterboards.ca.gov>]  
**Sent:** Monday, June 16, 2014 11:43 AM  
**To:** Palmer, Dana P.; Cranston, David; [Melanie.Cibik@Teledyne.com](mailto:Melanie.Cibik@Teledyne.com); [iwaldman@coxcastle.com](mailto:iwaldman@coxcastle.com);  
[phughes@coxcastle.com](mailto:phughes@coxcastle.com); Mike Cassidy; Moskal, Brian  
**Subject:** Panama Site- SCP #1292- 13267 Order (attached)

Folks:

Please see the attached 13267 Order for the Panama site. This is intended to get things moving again with this case. Feel free to call or email with questions. Fyi, I'm going to be out of town on June 17 to June 24 and also on June 27. If you cannot wait until June 25<sup>th</sup> to speak to me please contact my unit chief Dr. Lee at (213) 576-6734 or by email at [Kwang.Lee@waterboards.ca.gov](mailto:Kwang.Lee@waterboards.ca.gov).

Thanks,

Jeff Brooks, PG  
Engineering Geologist  
California Regional Water Quality Control Board- Los Angeles Region  
320 West Fourth Street, Suite 200  
Los Angeles, CA 90013  
(213) 620-6070 Desk  
[jeff.brooks@waterboards.ca.gov](mailto:jeff.brooks@waterboards.ca.gov)