Olson

Environmental, Inc.

2010 AUG 12 PM 1:23

LIMITED SOIL AND GROUNDWATER INVESTIGATION

2520 Blanding Avenue
Alameda, California 94501

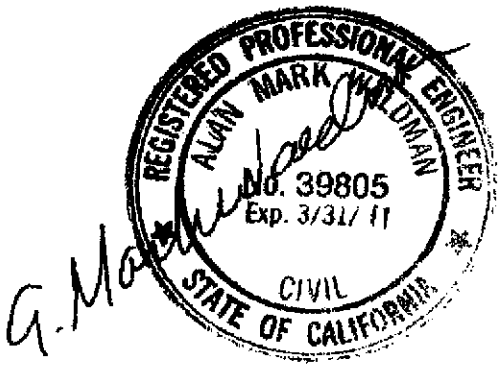
Prepared for:

Mr. Rob Anderson
90 Oakmont Avenue
Piedmont, CA 94610

Prepared by:

Olson Environmental, Inc.
2700 Central Avenue
Alameda, CA 94501
(510) 541-5650

November 25, 2009



Olson

Environmental, Inc.

2010 AUG 12 PM 1:23

November 25, 2009

Mr. Rob Anderson
90 Oakmont Avenue
Piedmont, CA 94610

Re: **Limited Soil and Groundwater Investigation**
2520 Blanding Avenue, Alameda, California

Dear Mr. Anderson:

Olson Environmental, Inc. (OEI) is pleased to present the results of the Limited Soil Investigation for the above referenced site. Three soil borings were drilled on the site on November 6, 2009. Pursuant to the OEI Proposal for Engineering Services dated October 20, 2009, three soil samples and two groundwater samples were collected from borings installed at the Site. These soil and groundwater samples were subsequently submitted to the laboratory for chemical analysis. The results of the investigation are presented in the attached report.

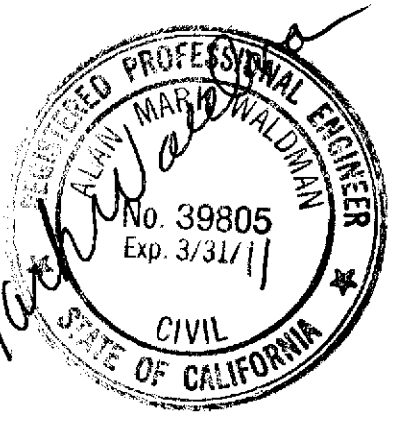
If you have any questions regarding the information in this report, please don't hesitate to call.

It has been a pleasure working with you on this project.

Sincerely,

A. Mark Waldman

A. Mark Waldman, P.E.
Principal Engineer



Myron Olson
CA Registered Environmental Assessor

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Figures

Appendices

This report presents the results of the Limited Soil and Groundwater Investigation conducted by Olson Environmental, Inc. (OEI) at 2520 Blanding Avenue in Alameda, California (hereinafter the Site). The location of the Property is shown on **Figure 1**, Property Location Map. The location of soil borings is shown on **Figure 2**, Boring Location Map.

BACKGROUND

A Phase 1 Environmental Site Assessment (ESA) for the Property was performed by OEI on October 21, 2009. The Phase 1 ESA indicated that according to the City of Alameda Fire Department, a 550-gallon gasoline underground storage tank (UST) was installed on the Property in approximately 1931. However, records were not available regarding the removal of the UST. According to the owner's representative, the UST was formerly located along the southeast property line of the Site, four feet below the existing unpaved portion of driveway. The representative stated the UST was removed sometime between 1982 and 1984.

The former 550-gallon gasoline UST was from approximately 1931 to between 1982 and 1984. Based upon the Site inspection OEI recommended that soil borings be advanced to collect soil and groundwater samples to determine whether potential leaks from the former operations have affected subsurface environmental conditions.

Historical records indicate the Site was first developed on or before 1897 as residential housing. In 1925, the current single story structure was constructed. City Directories show that the Site operated as Home Ice Fuel & Supply Company from approximately 1933 to 1945. In 1950, City Directories list the Site as Home Ice & Supply Company until 1962. In 1950, Auto and Storage is listed on the Sanborn Fire Insurance Map. Building Department records indicate Magic Garden Products operated on the Site from approximately 1965 to 1970. The City Directories list P.J.Smith residing from 1980 until 2000. According to current owner Mr. Philip Smith, he purchased the Site in 1970. The Site is currently operated as a business called "P.J. Smith Kustom Kitchens". Since 1970, Mr. Smith has leased a portion of the Site to numerous tenants including Pacific Car Company (1996), Burleigh Computing (1996 thru 2000), and Mark Schmidt Builders, Western Painting, Kerry and Chris Smith Construction (current tenants).

PURPOSE AND SCOPE

The environmental issues pertaining to the Property are as follows.

- A 550-gallon gasoline UST located at the Property was removed between approximately 1982 to 1984. No soil or groundwater samples were collected from under or near the UST following the UST removal.

The scope of work performed for this investigation consisted of the following activities:

- Advance one soil boring (SB1-7) along the southeastern portion of the Site, in the approximate center of the former UST and collect two soil and one groundwater sample;
- Advance one soil boring (SB2-7) located down-gradient (southeast) of the former UST and collect two soil and one groundwater sample;
- Advance one soil boring (SB3-7) located down-gradient (east) of the former UST and collect two soil and one groundwater sample;

- Submit soil and groundwater samples for laboratory analysis for TPH gasoline, diesel and oil range petroleum hydrocarbons, BTEX/MTBE, and lead using EPA Methods 8015B/8260B/6010B. All samples were submitted to a State Certified Laboratory using Chain of Custody Protocols.

- Evaluate the findings from the field activities, sample analyses, and prepare a report.

PRE-FIELD ACTIVITIES

Utility and UST Locating
On November 3, 2009, OEI marked the proposed drilling area with white paint and Underground Service Alert (USA) was notified of the planned drilling project to use standard care to avoid potential damage to subsurface utilities.

SOIL BORING AND SAMPLING

The Boring Location Map (**Figure 2)** shows the location of the former UST. One soil boring was placed in the approximate center of the former UST, along the southeast end (property line) of the Property. Two soil borings were advanced in the direction down-gradient (east and southeast) of the former UST.

Drilling activities were conducted at the site on November 6, 2009. Prior to mobilization of the drill rig on-site, all associated drilling and sampling equipment was thoroughly cleaned by Precision Sampling of Stockton, California in order to remove soil all contaminants. The cleaning process consisted of high pressure steam cleaning of the drilling equipment and a high pressure hot water final rinse. Before drilling each boring, all drilling and sampling equipment was decontaminated with an Alconex soap solution and a clean water rinse. After all drilling was completed; the equipment was decontaminated by the same cleaning method.

The soil borings were drilled using a truck-mounted hydraulic-push rig. Using a series of hollow, 4-foot long samplers lined with clear plastic tubing, soil cores were collected continuously to the total depths explored of approximately 12 feet below ground surface (bgs). Groundwater was first encountered at 7.5 feet bgs for boring SB1 and at 6.0 feet bgs for boring SB2 and SB3.

Each soil core was examined by OEI field personnel for chemical odor and discoloration. Soil samples were collected from depths of 5 and 8 feet bgs for laboratory analysis. Lithologic descriptions of the cores were recorded on the boring log for each location. Details of the subsurface sediments are shown on the field soil boring logs included in **Appendix C**.

A section of sample liner from the desired soil sampling depth was cut out, sealed with Teflon tape and plastic caps and stored in a cooler with blue ice until same-day transport to the laboratory. Groundwater was collected from borings SB1 and SB3 in laboratory supplied sample containers and also stored in a cooler with blue ice. OEI attempted to collected groundwater in boring SB2 but was unsuccessful due to limited groundwater recharge.

SUBSURFACE CONDITIONS

Subsurface materials beneath the unpaved area-soil (SB1) and paved area-asphalt (SB2 and SB3) surface consisted mostly of silty clay to a depth of approximately 6-8 feet bgs. A sandy clay unit was encountered beneath these sediments to a depth of 10-12 feet bgs. Groundwater was encountered in silty clay. After drilling, groundwater was measured in the borings at depths between 6.0 and 7.5 feet bgs. Petroleum product odor as evidence of contamination and discoloration was first observed in all three of the soil borings at 6.0 feet bgs.

Based on the topographic slope of the site area, groundwater flow direction is assumed to

fluctuate from east to southeast, toward the Estuary-Tidal Canal.

According to an Alameda County Environmental Health Case Closure Summary for 2523-2691 Blanding Avenue, Avenue, SLIC Case No. RO0002738 and Geotracker Global ID SL0600132345, Bridgeside Shopping Center, the depth to groundwater has been reported to be approximately 4.0 to 13.0 feet below ground surface with a groundwater flow direction toward the southeast (URS, 7/2003).

LABORATORY METHODS AND RESULTS

The soil and groundwater samples collected on November 6, 2009, were submitted to TestAmerica, a State of California-certified analytical laboratory in Pleasanton, California.

The soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethyl benzene, xylenes (BTEX), MTBE by EPA Method 8260B, total petroleum hydrocarbons as diesel (TPH-d) and motor oil by EPA Method (8015B), and lead by EPA Method 6010B.

The groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethyl benzene, xylenes (BTEX), MTBE by EPA Method 8260B, total petroleum hydrocarbons as diesel (TPH-d) and motor oil by EPA Method (8015B).

The results of the soil and groundwater analyses are summarized on **Table 1** below. The laboratory report and chain-of-custody form are included as **Appendix B**.

Soil

Concentrations of ethylbenzene, xylene, TPH-d, motor oil, and lead were detected in SB1 that did not exceed the current Regional Water Quality Control Board Risk Based Screening Levels (RBSL). An elevated concentration of TPH-g (550 mg/kg) was detected in SB1 that exceeded the RBSL of 450 mg/kg.

Concentrations of lead were detected in SB2 and SB3 that did not exceed the current Regional Water Quality Control Board RBSL. No concentrations of benzene, toluene, ethyl benzene, xylenes (BTEX), MTBE, TPH-g, TPH-d, and motor oil were detected in the soil samples advanced from borings SB2 and SB3.

TABLE 1 - Soil Sample Analytical Results (milligrams per kilogram)

Date	Sample Number	Benzene	Toluene	Ethylbenzene	Xylene, Total	MTBE
11/6/09	SB1-7	ND	ND	0.58	1.3	ND
11/6/09	SB2-7	ND	ND	ND	ND	ND
11/6/09	SB3-7	ND	ND	ND	ND	ND
RBSL		**.26**	**29**	**33**	**100**	**8.4**
Date	**Sample Number**	**Gasoline C5-C12**	**Diesel C10-C28**	**Motor Oil C24-C36**	**Lead**	
11/6/09	SB1-7	**550**	100	110	15	
11/6/09	SB2-7	ND	ND	ND	2.7	
11/6/09	SB3-7	ND	ND	ND	3.1	
RBSL		**450**	**150**	**2500**	**750**	

Notes:

RBSL = Risk Based Screening Level from Regional Water Quality Control Board (Table B, Shallow Soil, Commercial/Industrial Land Use Only, Interim Final - November 2007). Concentrations above the RBSLs are shown above in bold print.

NA Not Analyzed

ND Not Detected (see laboratory report for detection limits)

Groundwater

Groundwater samples from boring SB1 contained concentrations of ethylbenzene, xylene, and TPH-g that did not exceed the current Regional Water Quality Control Board RBSLs. The level of TPH-g (4900 µg/L) in SB1 was slightly under the RBSL of 5000 µg/L. An elevated concentration of TPH-d (14000 µg/L) was detected in SB1 that exceeded the RBSL of 2500 µg/L. An elevated concentration of motor oil (15000 µg/L) was detected in SB1 that exceeded the RBSL of 2500 µg/L.

Olson Environmental attempted to collected groundwater in boring SB2 but was unsuccessful after waiting two hours for the groundwater to recharge.

No concentrations of benzene, toluene, ethyl benzene, xylenes (BTEX), MTBE, TPH-g, TPH-d, and motor oil were detected in the groundwater from boring SB3.

TABLE 2 - Groundwater Sample Analytical Results (micrograms per liter)

Date	Sample Number	Benzene	Toluene	Ethylbenzene	Xylene, Total	MTBE
11/6/09	GW1-1,2,3,4	14	ND	28	49	ND
11/6/09	GW3-1,2,3	ND	ND	ND	ND	ND
RBSL		**540**	**400**	**300**	**5300**	**1800**
Date	**Sample Number**	**Gasoline C5-C12**	**Diesel C10-C28**	**Motor Oil C24-C36**	**Lead**	
11/6/09	GW1-1,2,3,4	4900	**14000**	**15000**	NA	
11/6/09	GW3-1,2,3	ND	ND	ND	ND	
RBSL		**5000**	**2500**	**2500**	**50000**	

Notes:

RBSL =	Risk Based Screening Level from Regional Water Quality Control Board (Table B, Shallow Soil, Commercial/Industrial Land Use Only, Interim Final - November 2007). Concentrations above the RBSLs are shown above in bold print.
NA	Not Analyzed
ND	Not Detected (see laboratory report for detection limits)

CONCLUSIONS AND RECOMMENDATIONS

The RBSLs were developed to address soil and groundwater contamination at sites impacted by chemical releases. The stated goals of the RBSLs is to determine the contamination levels of soil and groundwater, below which there is little if any potential to affect human health, groundwater, terrestrial biota and to prevent nuisance conditions.

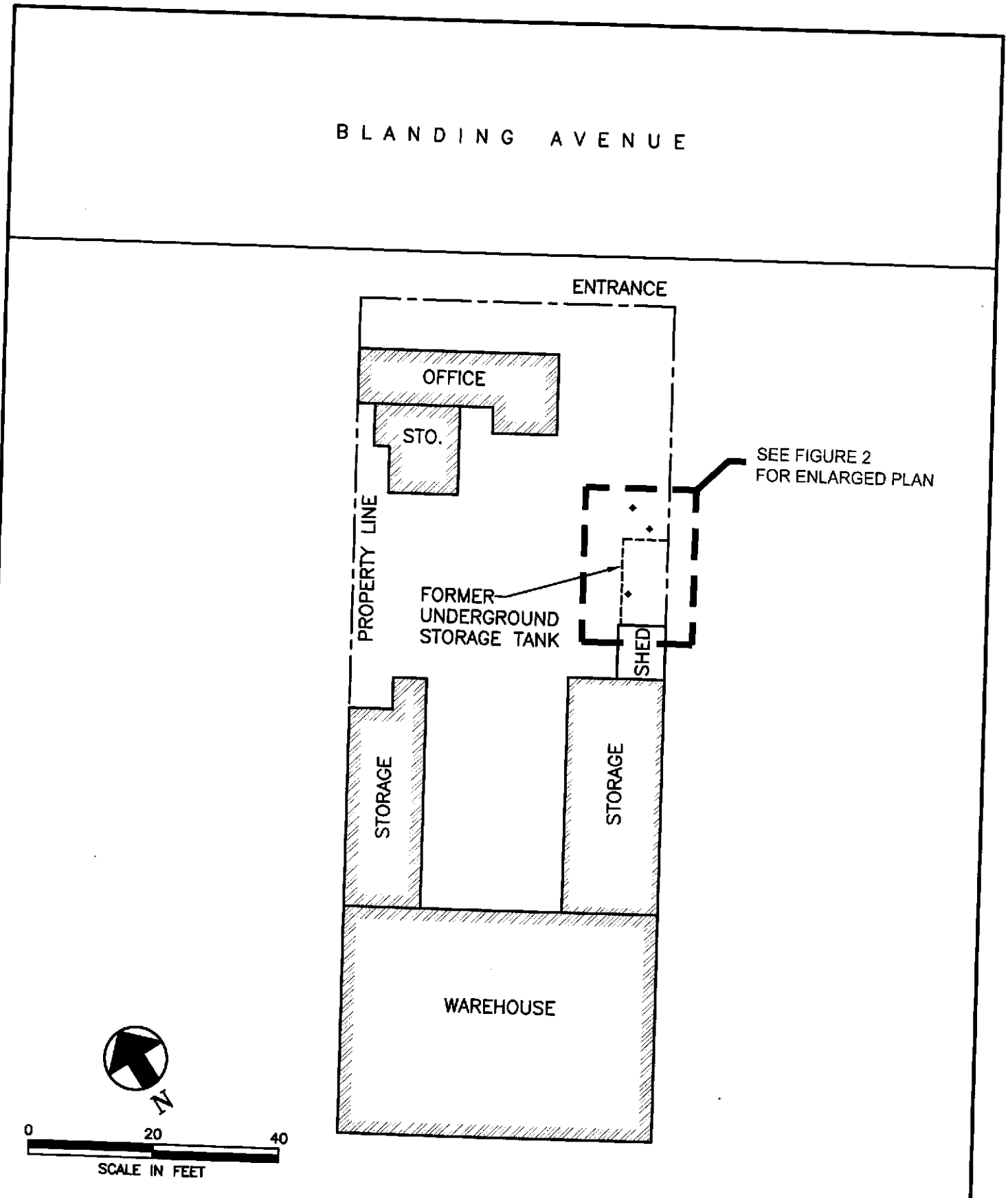
Out of three locations drilled to investigate impact from the former 550-gallon gasoline tank, only one location SB1 was found to exceed the RBSL for the soil and groundwater samples collected. An elevated concentration of TPH-g (550 mg/kg) was detected in SB1 that exceeded the RBSL of 450 mg/kg. An elevated concentration of TPH-d (14000 µg/L) was detected in SB1 that exceeded the RBSL of 2500 µg/L. An elevated concentration of motor oil (15000 µg/L) was detected in SB1 that exceeded the RBSL of 2500 µg/L.

It is advised that the owner of the property report this finding as an unauthorized release from previous fuel tank to the California Regional Water Quality Control Board (RWQCB) for local oversight enforcement so that proper regulatory steps may be taken for further action toward regulatory closure. In the event that the RWQCB elects to consider this release as voluntary oversight program, work plan for further vertical and horizontal delineation as well as plan for soil excavation and possible groundwater monitoring well installation shall be considered to proceed.

The RWQCB also maintains a grant program to assist UST owners and operator in clean-up of impacted soil and groundwater if it determined if the applicant or claimant is eligible.

LIMITATIONS

This report has been prepared by OEI according to the State and local agency suggested guidance documents for these investigations and in general accordance with the accepted standard of practice which exists in Northern California at the time the investigation was performed. The interpretations, conclusions and recommendations made herein are based upon the data and analysis for the soil and water samples collected on-site. OEI is not responsible for errors in laboratory analysis and reporting, or for information withheld during the course of the study. The purpose of this study is to screen for the presence of contaminants that may affect the use or value of the Site. As such, the evaluation of the geologic and environmental conditions on this site are made with very limited data. Judgements leading to conclusions are generally made with an incomplete knowledge of the conditions present. Additional conditions and materials could exist at the site that was not encountered during this investigation. No warranty or guarantee is expressed or implied therein.



P: Pacific Engineering 2009 PECI 2009 Projects Myron Olsen 2530 Blanding CAD Site Location Plan.dwg 12/01/09 3:20pm angie

Olson Environmental
Environmental Consulting & Real Estate Due Diligence

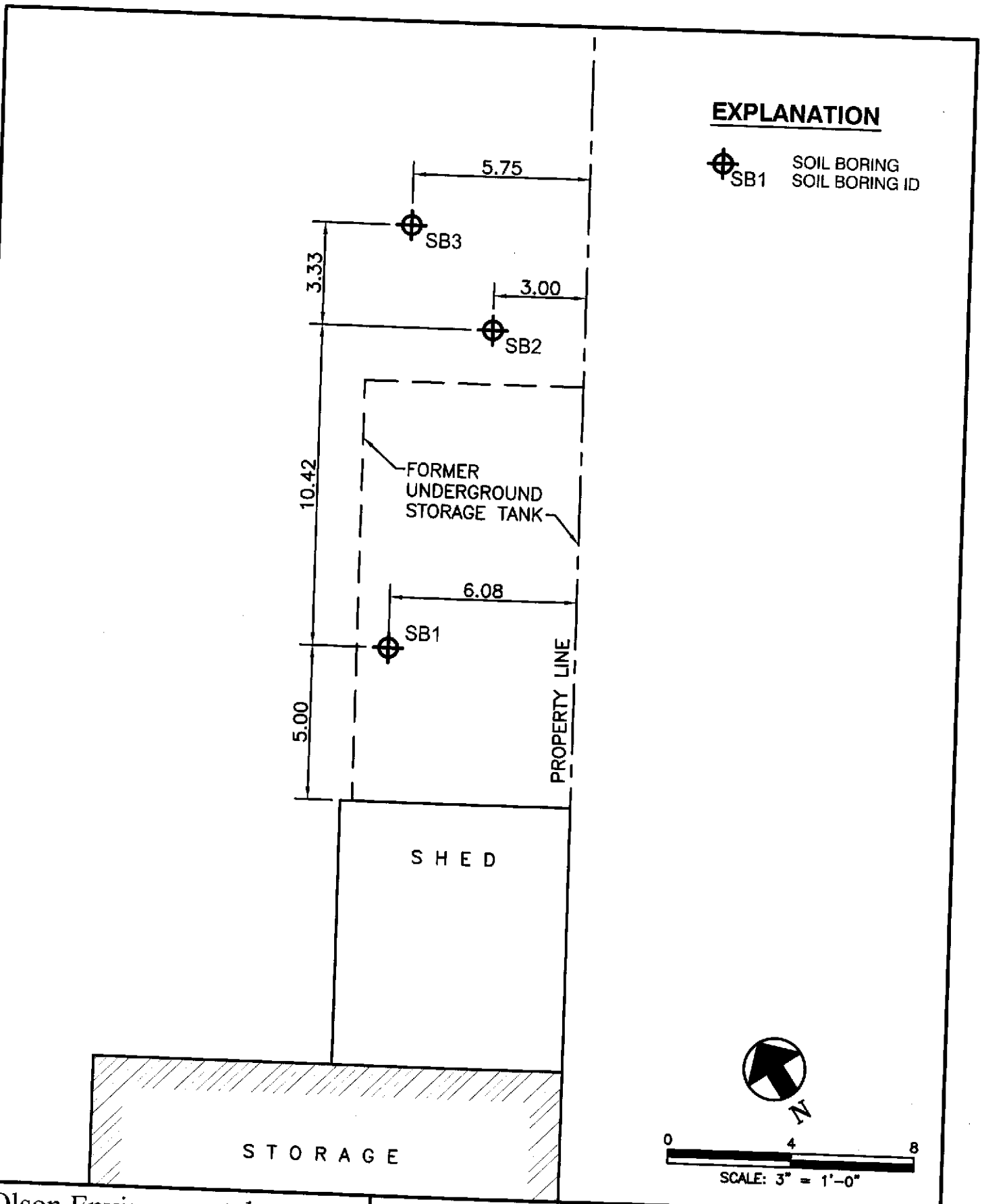
2700 Central Avenue, Alameda, CA 94501
Phone: (510) 541-5650
Fax: (866) 902-8021

SITE LOCATION PLAN

FIGURE **1**

COMMERCIAL PROPERTY
2520 BLANDING AVE., ALAMEDA, CA 94501

DRAWN	DESIGN	APPROVED	DATE	REVISED DATE
AMA	AMW		DEC. 2009	



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SOIL BORING LOCATION

COMMERCIAL PROPERTY
2520 BLANDING AVE., ALAMEDA, CA 94501

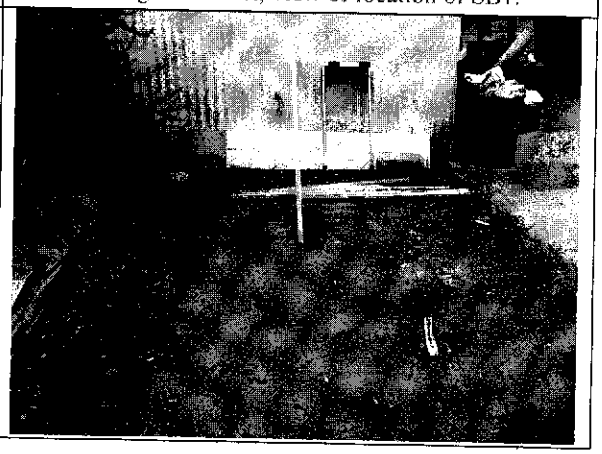
FIGURE **2**

DRAWN	DESIGN	APPROVED	DATE	REVISED DATE
AMA	AMW		DEC. 2009	

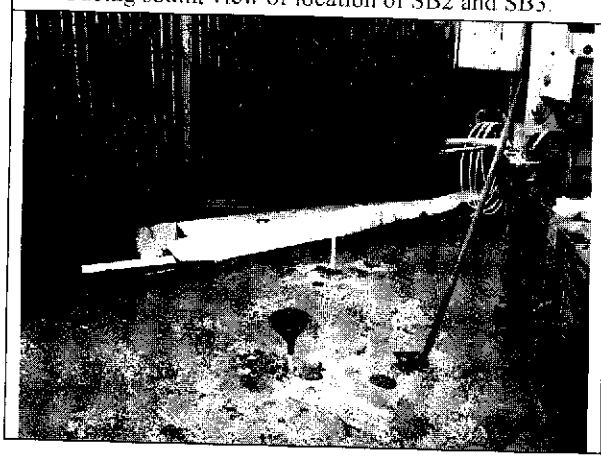
APPENDIX A
PROPERTY BORING PHOTOGRAPHS

Facing south, view of location of SB1.

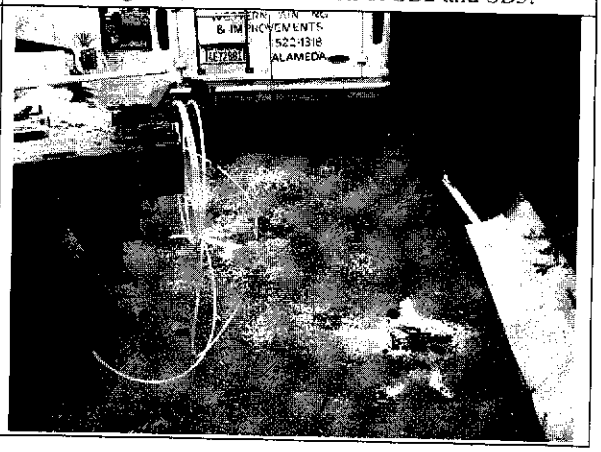
Facing southwest, view of location of SB1.



Facing south, view of location of SB2 and SB3.



Facing east, view of location of SB2 and SB3.



Facing southwest, view of location of SB2 and SB3.

Facing south, view of location of SB1.

Drill Rig Type: Geo Probe 5400 GP Rig
Sampling Methods: 2"
Hammer WT. _____ Drop: _____
Start Time: 9:00 AM Date _____
Completed Time: 9:50 AM Date _____
Boring Depth: 12 Feet
Casing Depth: _____
Water Depth: @ 7.5
Time: _____
Date: _____

Boring No. SB1
Total Depth: 12 Feet
Date: 10-26-2009 Logged by: M. Olson
Drilling Contractor: Precision Sampling
Driller's Name: Hernandez, Crull

Time	Sample	Hydrocarbon Stain	Depth (ft.)
	SM		1
			2
	CL-ML		3
			4
			5
9:30	CL		6
9:35		YES	7
	CL		7.5
	CL		8
			9
			10
			11
			12

Surface Conditions: Unpaved and dry

Sand, Silty, Clay fill, Olive gray

Small cobble rocks, fill
Silty clay, black, dry, dark brown

Collect (SBI-6), strong petro smell odor

Collect (SBI-7), visible oily sheen, dark gray
Moist, damp
Clay, sandy (fine), light brown

Clay, sandy (fine grained), light brown

Collect GW1+

Olson Environmental
Environmental Consulting & Real Estate Due Diligence
2700 Central Avenue, Alameda, CA 94501
Phone: (510) 541-5650
Fax: (866) 902-8021

SOIL BORING LOG - SB1

COMMERCIAL PROPERTY
2520 BLANDING AVE., ALAMEDA, CA 94501

FIGURE 3

DRAWN	DESIGN	APPROVED	DATE	REVISED DATE
AMA	AMW		DEC. 2009	

Drill Rig Type: Geo Probe 5400 GP Rig
Sampling Methods: 2"
Hammer WT. _____ Drop: _____
Start Time: 9:50 AM Date _____
Completed Time: 10:35 AM Date _____
Boring Depth: 10 Feet
Casing Depth: _____
Water Depth: @ 6.0
Time: _____
Date: _____

Boring No. SB2

Total Depth: 10 Feet

Date: 10-26-2009 Logged by: M. Olson

Drilling Contractor: Precision Sampling
Driller's Name: Hernandez, Crull

Time	Sample	Hydrocarbon Stain	Depth (ft.)
	CL-ML		1
			2
			3
			4
			5
10:00	CL		6
10:10			7
			7.5
			8
			9
			10

Surface Conditions: Paved and dry

Asphalt and fill

Fill
Silty clay, black, dry, dark brown

Moist, damp, Collect (SB2-6), clay, sandy, fine, light brown
Odor, petro smell
Collect (SB2-7)

GW2 - no gw recharge

P:\Pacific Engineering\2009 PECI\2009 Projects\Myron Olsen\2530 Blanding\CAD\BORING LOG.dwg 12/02/09 12:22am angie

Olson Environmental
Environmental Consulting & Real Estate Due Diligence
2700 Central Avenue, Alameda, CA 94501
Phone: (510) 541-5650
Fax: (866) 902-8021

SOIL BORING LOG - SB2

COMMERCIAL PROPERTY
2520 BLANDING AVE., ALAMEDA, CA 94501

FIGURE **4**

DRAWN	DESIGN	APPROVED	DATE	REVISED DATE
AMA	AMW		DEC. 2009	

Drill Rig Type: Geo Probe 5400 GP Rig
Sampling Methods: 2"
Hammer WT. _____ Drop: _____
Start Time: 10:35 AM Date _____
Completed Time: 1:30 PM Date _____
Boring Depth: 10 Feet
Casing Depth: _____
Water Depth: @ 6.0
Time: _____
Date: _____

Boring No. SB3

Total Depth: 10 Feet

Date: 10-26-2009 Logged by: M. Olson

Drilling Contractor: Precision Sampling
Driller's Name: Hernandez, Crull

Time	Sample	Hydrocarbon Stain	Depth (ft.)	Surface Conditions: Paved and dry
				Asphalt and fill
	CL-ML		1	
			2	Silty clay, black, dry, dark brown
			3	
			4	
			5	
10:45	CL		6	Moist, damp, Collect (SB3-6), clay, sandy, fine, light brown
10:45				Strong odor
			7	Collect (SB3-7)
			7.5	
			8	
			9	
11:30			10	GW3 - collect

Olson Environmental
Environmental Consulting & Real Estate Due Diligence

2700 Central Avenue, Alameda, CA 94501
Phone: (510) 541-5650
Fax: (866) 902-8021

SOIL BORING LOG - SB3

COMMERCIAL PROPERTY
2520 BLANDING AVE., ALAMEDA, CA 94501

FIGURE 5

DRAWN	DESIGN	APPROVED	DATE	REVISED DATE
AMA	AMW		DEC. 2009	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-23940-1

SDG Number: 10262009

Job Description: 2520 Blanding Ave, Alameda

For:
Olson Environmental - Alameda
2700 Central Avenue
Alameda, CA 94501

Attention: Mr. Myron Olson

Melissa Brewer

Approved for release.
Melissa Brewer
Project Manager I
11/16/2009 10:22 AM

Melissa Brewer
Project Manager I
melissa.brewer@testamericainc.com
11/16/2009

CA ELAP Certification # 2496
The Chain(s) of Custody are included and are an integral part of this report.

A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The following sample(s) submitted for volatiles analysis was received with insufficient preservation (pH >2): The actual pH=7: 720-23940-7; 720-23940-8.

No other analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Organic Prep
Method(s) 3510C: Limited sample provided by client: 720-23940-7.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-23940-2	**SB1-7**				
Ethylbenzene		0.58	0.49	mg/Kg	8260B/CA_LUFTMS
Xylenes, Total		1.3	0.98	mg/Kg	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		550	25	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		100	0.99	mg/Kg	8015B
Motor Oil Range Organics [C24-C36]		110	50	mg/Kg	8015B
Lead		15	1.9	mg/Kg	6010B
720-23940-4	**SB2-7**				
Lead		2.7	2.0	mg/Kg	6010B
720-23940-6	**SB3-7**				
Lead		3.1	2.0	mg/Kg	6010B
720-23940-7	**GW1-1,2,3,4**				
Benzene		14	5.0	ug/L	8260B/CA_LUFTMS
Ethylbenzene		28	5.0	ug/L	8260B/CA_LUFTMS
Xylenes, Total		49	10	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		4900	500	ug/L	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		14000	110	ug/L	8015B
Motor Oil Range Organics [C24-C36]		15000	660	ug/L	8015B

METHOD SUMMARY

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B
Metals (ICP)	TAL SF	SW846 6010B	
Preparation, Metals	TAL SF		SW846 3050B
Matrix: Water			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-23940-2	SB1-7	Solid	11/06/2009 0935	11/06/2009 1646
720-23940-4	SB2-7	Solid	11/06/2009 1010	11/06/2009 1646
720-23940-6	SB3-7	Solid	11/06/2009 1050	11/06/2009 1646
720-23940-7	GW1-1,2,3,4	Water	11/06/2009 0940	11/06/2009 1646
720-23940-8	GW3-1,2,3	Water	11/06/2009 1130	11/06/2009 1646

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Client Sample ID: **SB1-7**

Lab Sample ID: 720-23940-2
Client Matrix: Solid

Date Sampled: 11/06/2009 0935
Date Received: 11/06/2009 1646

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-61447		Instrument ID:	SAT 3900A
Preparation:	5030B	Prep Batch: 720-61444		Lab File ID:	e:\data\2009\200911\
Dilution:	200			Initial Weight/Volume:	10.18 g
Date Analyzed:	11/12/2009 2255			Final Weight/Volume:	10 mL
Date Prepared:	11/12/2009 1200				

DryWt Corrected: N

Analyte	Result (mg/Kg)	Qualifier	RL
Benzene	ND		0.49
Toluene	ND		0.49
Ethylbenzene	0.58		0.49
Xylenes, Total	1.3		0.49
MTBE	ND		0.98
Gasoline Range Organics (GRO)-C5-C12	550		0.49
			25

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	121		70 - 130

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Client Sample ID: **SB2-7**

Lab Sample ID: 720-23940-4
Client Matrix: Solid

Date Sampled: 11/06/2009 1010
Date Received: 11/06/2009 1646

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-61442		Instrument ID:	SAT 3900A
Preparation:	5030B	Prep Batch: 720-61440		Lab File ID:	e:\data\2009\200911\
Dilution:	1.0			Initial Weight/Volume:	5.36 g
Date Analyzed:	11/12/2009 1930			Final Weight/Volume:	10 mL
Date Prepared:	11/12/2009 1200				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0047
Toluene		ND		0.0047
Ethylbenzene		ND		0.0047
Xylenes, Total		ND		0.0093
MTBE		ND		0.0047
Gasoline Range Organics (GRO)-C5-C12		ND		0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	100		74 - 118
1,2-Dichloroethane-d4 (Surr)	111		54 - 134

Client Sample ID: SB3-7

Lab Sample ID: 720-23940-6
Client Matrix: Solid

Date Sampled: 11/06/2009 1050
Date Received: 11/06/2009 1646

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-61442		Instrument ID:	SAT 3900A
Preparation:	5030B	Prep Batch: 720-61440		Lab File ID:	e:\data\2009\200911\
Dilution:	1.0			Initial Weight/Volume:	5.11 g
Date Analyzed:	11/12/2009 1739			Final Weight/Volume:	10 mL
Date Prepared:	11/12/2009 1200				

DryWt Corrected: N

Analyte	Result (mg/Kg)	Qualifier	RL
Benzene	ND		0.0049
Toluene	ND		0.0049
Ethylbenzene	ND		0.0049
Xylenes, Total	ND		0.0098
MTBE	ND		0.0049
Gasoline Range Organics (GRO)-C5-C12	ND		0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	99		74 - 118
1,2-Dichloroethane-d4 (Surr)	99		54 - 134

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Client Sample ID: **GW1-1,2,3,4**

Lab Sample ID: 720-23940-7
Client Matrix: Water

Date Sampled: 11/06/2009 0940
Date Received: 11/06/2009 1646

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS
Preparation: 5030B
Dilution: 10
Date Analyzed: 11/13/2009 0816
Date Prepared: 11/13/2009 0816

Analysis Batch: 720-61401

Instrument ID: HP9
Lab File ID: 11120943.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
Benzene	14		5.0
Toluene	ND		5.0
Ethylbenzene	28		5.0
Xylenes, Total	49		10
Methyl tert-butyl ether	ND		5.0
Gasoline Range Organics (GRO)-C5-C12	4900		500

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	93		67 - 130
1,2-Dichloroethane-d4 (Surr)	73		67 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Client Sample ID: **GW3-1,2,3**

Lab Sample ID: 720-23940-8
Client Matrix: Water

Date Sampled: 11/06/2009 1130
Date Received: 11/06/2009 1646

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 11/13/2009 0743
Date Prepared: 11/13/2009 0743

Analysis Batch: 720-61401

Instrument ID: HP9
Lab File ID: 11120942.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Toluene	ND		0.50
Ethylbenzene	ND		0.50
Xylenes, Total	ND		1.0
Methyl tert-butyl ether	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	92		67 - 130
1,2-Dichloroethane-d4 (Surr)	75		67 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Client Sample ID: **SB1-7**

Lab Sample ID: 720-23940-2
Client Matrix: Solid

Date Sampled: 11/06/2009 0935
Date Received: 11/06/2009 1646

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 11/11/2009 1430
Date Prepared: 11/11/2009 1045

Analysis Batch: 720-61282
Prep Batch: 720-61269

Instrument ID: CHDRO5
Initial Weight/Volume: 30.23 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		100		0.99
Motor Oil Range Organics [C24-C36]		110		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	77		31 - 114

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Client Sample ID: **SB2-7**

Lab Sample ID: 720-23940-4
Client Matrix: Solid

Date Sampled: 11/06/2009 1010
Date Received: 11/06/2009 1646

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 11/11/2009 1457
Date Prepared: 11/11/2009 1045

Analysis Batch: 720-61282
Prep Batch: 720-61269

Instrument ID: CHDRO5
Initial Weight/Volume: 30.19 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte (DryWt Corrected: N)	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		0.99
Motor Oil Range Organics [C24-C36]	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	99		31 - 114

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Client Sample ID: **SB3-7**

Lab Sample ID: 720-23940-6
Client Matrix: Solid

Date Sampled: 11/06/2009 1050
Date Received: 11/06/2009 1646

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-61282		Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-61269		Initial Weight/Volume:	30.22 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	11/11/2009 1525			Injection Volume:	1 uL
Date Prepared:	11/11/2009 1045			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	95		31 - 114

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Client Sample ID: **GW1-1,2,3,4**

Lab Sample ID: 720-23940-7
Client Matrix: Water

Date Sampled: 11/06/2009 0940
Date Received: 11/06/2009 1646

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 11/10/2009 2047
Date Prepared: 11/09/2009 1726

Analysis Batch: 720-61168
Prep Batch: 720-61154

Instrument ID: CHDRO5
Initial Weight/Volume: 450 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	14000		110
Motor Oil Range Organics [C24-C36]	15000		660

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	15	X	23 - 156

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Client Sample ID: **SB1-7**

Lab Sample ID: 720-23940-2
Client Matrix: Solid

Date Sampled: 11/06/2009 0935
Date Received: 11/06/2009 1646

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 4.0
Date Analyzed: 11/11/2009 1508
Date Prepared: 11/11/2009 0726

Analysis Batch: 720-61302
Prep Batch: 720-61258

Instrument ID: Thermo ICP2
Lab File ID: N/A
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		15		1.9

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Client Sample ID: **SB2-7**

Lab Sample ID: 720-23940-4
Client Matrix: Solid

Date Sampled: 11/06/2009 1010
Date Received: 11/06/2009 1646

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-61302		Instrument ID:	Thermo ICP2
Preparation:	3050B	Prep Batch: 720-61258		Lab File ID:	N/A
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	11/11/2009 1513			Final Weight/Volume:	50 mL
Date Prepared:	11/11/2009 0726				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		2.7		2.0

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Client Sample ID: **SB3-7**

Lab Sample ID: 720-23940-6
Client Matrix: Solid

Date Sampled: 11/06/2009 1050
Date Received: 11/06/2009 1646

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-61302		Instrument ID:	Thermo ICP2
Preparation:	3050B	Prep Batch: 720-61258		Lab File ID:	N/A
Dilution:	4.0			Initial Weight/Volume:	0.99 g
Date Analyzed:	11/11/2009 1518			Final Weight/Volume:	50 mL
Date Prepared:	11/11/2009 0726				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		3.1		2.0

DATA REPORTING QUALIFIERS

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Lab Section	Qualifier	Description
GC Semi VOA		
	X	Surrogate exceeds the control limits

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-61401					
LCS 720-61401/4	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-61401/6	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-61401/5	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-61401/7	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-61401/8	Method Blank	T	Water	8260B/CA_LUFT	
720-23940-7	GW1-1,2,3,4	T	Water	8260B/CA_LUFT	
720-23940-8	GW3-1,2,3	T	Water	8260B/CA_LUFT	
Prep Batch: 720-61440					
LCS 720-61440/2-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-61440/3-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-61440/1-A	Method Blank	T	Solid	5030B	
720-23940-4	SB2-7	T	Solid	5030B	
720-23940-4MS	Matrix Spike	T	Solid	5030B	
720-23940-4MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-23940-6	SB3-7	T	Solid	5030B	
Analysis Batch:720-61442					
LCS 720-61440/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-61440
LCSD 720-61440/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-61440
MB 720-61440/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-61440
720-23940-4	SB2-7	T	Solid	8260B/CA_LUFT	720-61440
720-23940-4MS	Matrix Spike	T	Solid	8260B/CA_LUFT	720-61440
720-23940-4MSD	Matrix Spike Duplicate	T	Solid	8260B/CA_LUFT	720-61440
720-23940-6	SB3-7	T	Solid	8260B/CA_LUFT	720-61440
Prep Batch: 720-61444					
LCS 720-61444/2-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-61444/3-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-61444/1-A	Method Blank	T	Solid	5030B	
720-23940-2	SB1-7	T	Solid	5030B	
Analysis Batch:720-61447					
LCS 720-61444/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-61444
LCSD 720-61444/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-61444
MB 720-61444/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-61444
720-23940-2	SB1-7	T	Solid	8260B/CA_LUFT	720-61444

Report Basis
T = Total

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-61154					
LCS 720-61154/2-A	Lab Control Sample	T	Water	3510C	
LCSD 720-61154/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 720-61154/1-A	Method Blank	T	Water	3510C	
720-23940-7	GW1-1,2,3,4	T	Water	3510C	
Analysis Batch:720-61168					
LCS 720-61154/2-A	Lab Control Sample	T	Water	8015B	720-61154
LCSD 720-61154/3-A	Lab Control Sample Duplicate	T	Water	8015B	720-61154
MB 720-61154/1-A	Method Blank	T	Water	8015B	720-61154
720-23940-7	GW1-1,2,3,4	T	Water	8015B	720-61154
Prep Batch: 720-61269					
LCS 720-61269/2-A	Lab Control Sample	T	Solid	3550B	
LCSD 720-61269/3-A	Lab Control Sample Duplicate	T	Solid	3550B	
MB 720-61269/1-A	Method Blank	T	Solid	3550B	
720-23940-2	SB1-7	T	Solid	3550B	
720-23940-4	SB2-7	T	Solid	3550B	
720-23940-6	SB3-7	T	Solid	3550B	
720-23940-6MS	Matrix Spike	T	Solid	3550B	
720-23940-6MSD	Matrix Spike Duplicate	T	Solid	3550B	
Analysis Batch:720-61282					
LCS 720-61269/2-A	Lab Control Sample	T	Solid	8015B	720-61269
LCSD 720-61269/3-A	Lab Control Sample Duplicate	T	Solid	8015B	720-61269
MB 720-61269/1-A	Method Blank	T	Solid	8015B	720-61269
720-23940-2	SB1-7	T	Solid	8015B	720-61269
720-23940-4	SB2-7	T	Solid	8015B	720-61269
720-23940-6	SB3-7	T	Solid	8015B	720-61269
720-23940-6MS	Matrix Spike	T	Solid	8015B	720-61269
720-23940-6MSD	Matrix Spike Duplicate	T	Solid	8015B	720-61269

Report Basis
T = Total

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-61258					
LCS 720-61258/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 720-61258/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 720-61258/1-A	Method Blank	T	Solid	3050B	
720-23940-2	SB1-7	T	Solid	3050B	
720-23940-4	SB2-7	T	Solid	3050B	
720-23940-6	SB3-7	T	Solid	3050B	
Analysis Batch:720-61302					
LCS 720-61258/2-A	Lab Control Sample	T	Solid	6010B	720-61258
LCSD 720-61258/3-A	Lab Control Sample Duplicate	T	Solid	6010B	720-61258
MB 720-61258/1-A	Method Blank	T	Solid	6010B	720-61258
720-23940-2	SB1-7	T	Solid	6010B	720-61258
720-23940-4	SB2-7	T	Solid	6010B	720-61258
720-23940-6	SB3-7	T	Solid	6010B	720-61258

Report Basis
T = Total

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Method Blank - Batch: 720-61401

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-61401/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/13/2009 0101
Date Prepared: 11/13/2009 0101

Analysis Batch: 720-61401
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemtation 3
Lab File ID: 11120930.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Ethylbenzene	ND		0.50
Xylenes, Total	ND		1.0
Methyl tert-butyl ether	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	67 - 130
1,2-Dichloroethane-d4 (Surr)	78	67 - 130
Toluene-d8 (Surr)	98	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-61401

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-61401/4	Analysis Batch:	720-61401	Instrument ID:	Chemtation 3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	11120926.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	11/12/2009 2248			Final Weight/Volume:	10 mL
Date Prepared:	11/12/2009 2248				

LCSD Lab Sample ID:	LCSD 720-61401/5	Analysis Batch:	720-61401	Instrument ID:	Chemtation 3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	11120927.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	11/12/2009 2321			Final Weight/Volume:	10 mL
Date Prepared:	11/12/2009 2321				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	108	109	80 - 130	1	20		
Toluene	122	111	80 - 126	10	20		
Ethylbenzene	106	106	80 - 139	0	20		
Methyl tert-butyl ether	115	101	66 - 138	13	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	93	93	67 - 130
1,2-Dichloroethane-d4 (Surr)	73	72	67 - 130
Toluene-d8 (Surr)	98	98	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-61401

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-61401/6	Analysis Batch:	720-61401	Instrument ID:	Chemtation 3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	11120928.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	11/12/2009 2354			Final Weight/Volume:	10 mL
Date Prepared:	11/12/2009 2354				

LCSD Lab Sample ID:	LCSD 720-61401/7	Analysis Batch:	720-61401	Instrument ID:	Chemtation 3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	11120929.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	11/13/2009 0027			Final Weight/Volume:	10 mL
Date Prepared:	11/13/2009 0027				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	78	82	30 - 130	5	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	92	92	67 - 130
1,2-Dichloroethane-d4 (Surr)	77	77	67 - 130
Toluene-d8 (Surr)	99	99	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Method Blank - Batch: 720-61440

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-61440/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/12/2009 1439
Date Prepared: 11/12/2009 1200

Analysis Batch: 720-61442
Prep Batch: 720-61440
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2009\200911\111209\r
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Toluene	ND		0.0050
Ethylbenzene	ND		0.0050
Xylenes, Total	ND		0.010
MTBE	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	96	74 - 118
1,2-Dichloroethane-d4 (Surr)	108	54 - 134

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-61440

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-61440/2-A	Analysis Batch:	720-61442	Instrument ID:	Varian 3900A
Client Matrix:	Solid	Prep Batch:	720-61440	Lab File ID:	e:\data\2009\200911\111209\l
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	11/12/2009 1504			Final Weight/Volume:	10 mL
Date Prepared:	11/12/2009 1200				

LCSD Lab Sample ID:	LCSD 720-61440/3-A	Analysis Batch:	720-61442	Instrument ID:	Varian 3900A
Client Matrix:	Solid	Prep Batch:	720-61440	Lab File ID:	e:\data\2009\200911\111209\ld
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	11/12/2009 1526			Final Weight/Volume:	10 mL
Date Prepared:	11/12/2009 1200				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	88	81	65 - 130	9	20		
Toluene	74	70	59 - 113	4	20		
Ethylbenzene	74	73	70 - 130	1	20		
MTBE	106	103	53 - 134	3	20		
Gasoline Range Organics (GRO)-C5-C12	62	61	42 - 130	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	103	103	74 - 118
1,2-Dichloroethane-d4 (Surr)	102	112	54 - 134

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-61440

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID:	720-23940-4	Analysis Batch: 720-61442	Instrument ID: Varian 3900A
Client Matrix:	Solid	Prep Batch: 720-61440	Lab File ID: e:\data\2009\200911\111209
Dilution:	1.0		Initial Weight/Volume: 5.36 g
Date Analyzed:	11/12/2009 1802		Final Weight/Volume: 10 mL
Date Prepared:	11/12/2009 1200		

MSD Lab Sample ID:	720-23940-4	Analysis Batch: 720-61442	Instrument ID: Varian 3900A
Client Matrix:	Solid	Prep Batch: 720-61440	Lab File ID: e:\data\2009\200911\111209\
Dilution:	1.0		Initial Weight/Volume: 5.21 g
Date Analyzed:	11/12/2009 1825		Final Weight/Volume: 10 mL
Date Prepared:	11/12/2009 1200		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	80	88	56 - 132	13	20		
Toluene	68	75	48 - 103	12	20		
Ethylbenzene	74	76	70 - 130	6	20		
MTBE	97	102	34 - 156	8	20		
Gasoline Range Organics (GRO)-C5-C12	59	64	12 - 108	10	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	98	101	74 - 118
1,2-Dichloroethane-d4 (Surr)	99	118	54 - 134

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Method Blank - Batch: 720-61444

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-61444/1-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 11/12/2009 1953
Date Prepared: 11/12/2009 1200

Analysis Batch: 720-61447
Prep Batch: 720-61444
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2009\200911\111209\r
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Ethylbenzene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	100	70 - 130
1,2-Dichloroethane-d4 (Surr)	116	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-61444

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-61444/2-A	Analysis Batch:	720-61447	Instrument ID:	Varian 3900A
Client Matrix:	Solid	Prep Batch:	720-61444	Lab File ID:	e:\data\2009\200911\111209\l
Dilution:	200	Units:	mg/Kg	Initial Weight/Volume:	10 g
Date Analyzed:	11/12/2009 2210			Final Weight/Volume:	10 mL
Date Prepared:	11/12/2009 1200				

LCSD Lab Sample ID:	LCSD 720-61444/3-A	Analysis Batch:	720-61447	Instrument ID:	Varian 3900A
Client Matrix:	Solid	Prep Batch:	720-61444	Lab File ID:	e:\data\2009\200911\111209\ld
Dilution:	200	Units:	mg/Kg	Initial Weight/Volume:	10 g
Date Analyzed:	11/12/2009 2233			Final Weight/Volume:	10 mL
Date Prepared:	11/12/2009 1200				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	103	101	74 - 121	2	20		
Toluene	100	103	86 - 121	3	20		
MTBE	111	116	84 - 127	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	106	110	70 - 130
1,2-Dichloroethane-d4 (Surr)	118	121	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Method Blank - Batch: 720-61154

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-61154/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2009 1129
Date Prepared: 11/09/2009 1726

Analysis Batch: 720-61168
Prep Batch: 720-61154
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: 5a1110010.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Motor Oil Range Organics [C24-C36]	ND		300

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	108	23 - 156

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-61154

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-61154/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2009 1035
Date Prepared: 11/09/2009 1726

Analysis Batch: 720-61168
Prep Batch: 720-61154
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: 5a1110008.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-61154/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2009 1102
Date Prepared: 11/09/2009 1726

Analysis Batch: 720-61168
Prep Batch: 720-61154
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: 5a1110009.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	79	83	40 - 150	4	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	103	101	23 - 156

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Method Blank - Batch: 720-61269

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-61269/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/11/2009 1834
Date Prepared: 11/11/2009 1045

Analysis Batch: 720-61282
Prep Batch: 720-61269
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: 5b1111017.d
Initial Weight/Volume: 30.08 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0
Motor Oil Range Organics [C24-C36]	ND		50

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	99	31 - 114

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-61269

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-61269/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/11/2009 1740
Date Prepared: 11/11/2009 1045

Analysis Batch: 720-61282
Prep Batch: 720-61269
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: 5b1111015.d
Initial Weight/Volume: 30.28 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-61269/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/11/2009 1807
Date Prepared: 11/11/2009 1045

Analysis Batch: 720-61282
Prep Batch: 720-61269
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: 5b1111016.d
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	88	88	49 - 115	0	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	84	81	31 - 114

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-61269

Method: 8015B
Preparation: 3550B

MS Lab Sample ID:	720-23940-6	Analysis Batch: 720-61282	Instrument ID: HP DRO5
Client Matrix:	Solid	Prep Batch: 720-61269	Lab File ID: 5b1111011.d
Dilution:	1.0		Initial Weight/Volume: 30.08 g
Date Analyzed:	11/11/2009 1551		Final Weight/Volume: 5 mL
Date Prepared:	11/11/2009 1045		Injection Volume: 1 uL
			Column ID: PRIMARY
MSD Lab Sample ID:	720-23940-6	Analysis Batch: 720-61282	Instrument ID: HP DRO5
Client Matrix:	Solid	Prep Batch: 720-61269	Lab File ID: 5b1111012.d
Dilution:	1.0		Initial Weight/Volume: 30.09 g
Date Analyzed:	11/11/2009 1619		Final Weight/Volume: 5 mL
Date Prepared:	11/11/2009 1045		Injection Volume: 1 uL
			Column ID: PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	89	91	50 - 130	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	80	80	31 - 114

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olson Environmental - Alameda

Job Number: 720-23940-1
Sdg Number: 10262009

Method Blank - Batch: 720-61258

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 720-61258/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/11/2009 1407
Date Prepared: 11/11/2009 0726

Analysis Batch: 720-61302
Prep Batch: 720-61258
Units: mg/Kg

Instrument ID: Thermo 6500 ICP
Lab File ID: N/A
Initial Weight/Volume: 0.98 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Lead	ND		0.51

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-61258

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID: LCS 720-61258/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/11/2009 1412
Date Prepared: 11/11/2009 0726

Analysis Batch: 720-61302
Prep Batch: 720-61258
Units: mg/Kg

Instrument ID: Thermo 6500 ICP
Lab File ID: N/A
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-61258/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/11/2009 1417
Date Prepared: 11/11/2009 0726

Analysis Batch: 720-61302
Prep Batch: 720-61258
Units: mg/Kg

Instrument ID: Thermo 6500 ICP
Lab File ID: N/A
Initial Weight/Volume: 1.04 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Lead	99	99	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA San Francisco Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone (925) 484-1919 Fax (925) 600-3002

720-23940

Reference #: 120351

Date 11-6-09 Page 1 of 2

Report To
Attn: Myron Olson
Company: Olson Environmental Inc.
Address: PO Box 2209 Alameda CA
Phone: 510 541 5650 Email: olsonenvironmental@yahoo.com
Bill To: Olson Environmental
Sampled By: M. Olson
Attn: Myron Olson
Phone: 510 541-5650

Analysis Request

Sample ID	Date	Time	Mat rix	Pres erv	TPH EPA - ☐ 8015M/8021 ☒ 8260B ☒ Gas w/ ☒ BTEX ☒ MTBE	Purgeable Aromatics BTEX EPA - ☐ 8021 ☐ 8260B	TEPH EPA 8015M* ☐ Silica Gel ☒ Diesel ☒ Motor Oil ☐ Other	Fuel Tests EPA 8260B: ☐ Gas ☐ BTEX ☐ Five Oxygenates ☐ DCA, EDB ☐ Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☒ Lead ☐ LUFT ☐ RCRA ☐ Other:	Low Level Metals by EPA 200.8/6020 (ICP-MS):	W.E.T (STLC) ☐ TCLP ☐	Hexavalent Chromium ☐ pH (24h hold time for H_2O) ☐	Spec Cond ☐ Alkalinity ☐ TSS ☐ TDS ☐	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	HOLD			Number of Containers
SB1-6	11/6/09	9:30	S	—																					1
SB1-7	↓	9:35	S	—	X		X															X			1
SB2-6		10:00	S	—												X									1
SB2-7		10:10	S	—	X		X															X			1
SB3-6		10:45	S	—												X									1
SB3-7		10:50	S	—	X		X															X			1
GW1-1		9:40	W	HCL	X											X									1
GW1-2		9:42	W	HCL	X																				1
GW1-3		9:44	W	HCL	X																				1
GW1-4	↓	9:45	W	—	X		X																		1

Project Info.
Project Name: 2520 Blanding Ave Alameda
Project#: 10262009
PO#:
Credit Card#:

Sample Receipt
# of Containers:
Head Space:
Temp: 5.9°C
Conforms to record:

TAT: (5 Day) 72h 48h 24h Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank Fund EDF

Special Instructions / Comments: ☐ Global ID
Limited sample volume for diesel

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from C9-C24 (industry norm). Default for 8015B is C10-C28

1) Relinquished by:
Signature: Myron Olson Time: 1646
Printed Name: Myron Olson Date: 11-6-09
Company: Olson Environmental

2) Relinquished by:
Signature Time
Printed Name Date
Company

3) Relinquished by:
Signature Time
Printed Name Date
Company

1) Received by:
Signature: John Mullen Time: 1646
Printed Name: Mullen Date: 11-6-09
Company: TestAmerica

2) Received by:
Signature Time
Printed Name Date
Company

3) Received by:
Signature Time
Printed Name Date
Company

Rev 02/09

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11/16/2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA San Francisco Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) [illegible]1919 • Fax: (925) 600-3002

Reference # 120357

770-23940

Date 11-6-09 Page 2 of 2

Report To

Attn: Myron Olson
Company: Olson Environmental Inc
Address: PO Box 2709 Alameda CA
Phone: 510 541-5650 Email:
Bill To: Olson Environmental
Sampled By: M. Olson
Attn: Myron Olson
Phone: 510 541-5650

Analysis Request

Sample ID	Date	Time	Matrix	Preservative	TPH EPA - ☐ 8015/8021 ☐ 8260B ☐ Gas w/ ☐ BTEX ☐ MTBE	Purgeable Aromatics BTEX EPA - ☐ 8021 ☐ 8260B	TEPH EPA 8015M* ☐ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other	Fuel Tests EPA 8260B: ☐ Gas ☐ BTEX ☐ Eva Oxygenates ☐ DCA, EDB ☐ Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 505	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other:	Low Level Metals by EPA 200.8/6020 (ICP-MS):	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24hr hold time for H_2O)	Specs Cond. ☐ Alkalinity ☐ TSS ☐ TDS ☐	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4				Number of Containers
GW3-1	11/4/09	11:30	W	HCl	X																					3
GW3-2	↓	11:35	W	HCl	X																					3
GW3-3	↓	11:40	W	HCl	X																					3

Page 35 of 36

Project Info.

Project Name: 7520 Blanding Ave Alameda
Project#: 10262009
PO#:
Credit Card#:

TAT: 5 Day | 72h | 48h | 24h

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank Fund EDF
Special Instructions / Comments: ☐ Global ID

Sample Receipt

of Containers:
Head Space:
Temp: 5.9°c
Conforms to record:
Other:

1) Relinquished by: Myron Olson 1646
Signature Time
Myron Olson 11-6-09
Printed Name Date
Olson Environmental
Company

1) Received by: Tom Mullen 1646
Signature Time
Mullen 11-6-09
Printed Name Date
Test America
Company

2) Relinquished by:
Signature Time
Printed Name Date
Company

2) Received by:
Signature Time
Printed Name Date
Company

3) Relinquished by:
Signature Time
Printed Name Date
Company

3) Received by:
Signature Time
Printed Name Date
Company

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from GC/FID (Industry norm) Default for 8015B is GC/FID

11/16/2009

Rev02/09

Login Sample Receipt Check List

Client: TestAmerica San Francisco

Job Number: 720-23940-1
SDG Number: 10262009

Login Number: 23940
Creator: Mullen, Joan
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

USAN 2009/11/03 #00000 0344301-000 NORM NEW

"support@usan.org" ... Add to Contacts

00000 USAN 11/03/09 12:23:59 0344301 NORMAL NOTICE

Message Number: 0344301 Received by USAN at 12:17 on 11/03/09 by MHS

Work Begins: 11/06/09 at 20:00 Notice: 034 hrs Priority: 2

Expires: 12/01/09 at 17:00 Update By: 11/25/09 at 16:59

Caller: MYRON OLSON
Company: OLSON ENVIROMENTAL
Address: 2700 CENTRAL AVE
City: ALAMEDA State: CA Zip: 94501
Business Tel: 510-541-5650 Fax: 866-902-8021
Email Address: OLSONENVIRONMENTAL@YAHOO.COM

Nature of Work: VERTICAL BORING FOR SOIL SAMPLES
Done for: P/O ANDERSON Explosives: N
Foreman: CALLER
Field Tel: Cell Tel: 510-541-5650
Area Premarked: Y Premark Method: WHITE PAINT
Permit Type: CITY Number: -UNK COUNTY-UKN
Vac / Pwr Equip Use In The Approx Location Of Member Facilities Requested: N
Excavation Enters Into Street Or Sidewalk Area: N

Location:
Street Address: 2520 BLANDING AVE
Cross Street: EVERETT ST
LEFT DR/WY SI/O/ADDR & EXT 100' IN (3 LOCS)

Place: ALAMEDA County: ALAMEDA State: CA

Long/Lat Long: -122.238797 Lat: 37.767642 Long: -122.23306 Lat: 37.771112

Sent to:
ATTRN2 = ATT BROADBAND RING NETWK COMHAY = COMCAST-HAYWARD
CTYALA = CITY ALAMEDA CTYOAK = CITY OAKLAND CONST DEPT
EBWCMS = EAST BAY WATER EBWWST = EAST BAY MUNICIPAL UTILI
PBTHAY = PACIFIC BELL HAYWARD PGEOAK = PGE DISTR OAKLAND
XOCOM2 = XO COMM SVCS DBA XO COMM

the recipient for any purposes. USA North does not assume, and expressly disclaims, any and all liability for any damages incurred directly or indirectly, whether foreseeable or not, as a result of errors, omissions or discrepancies contained within or concerning the Data.

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 11/04/2009 By jamesy

Permit Numbers: W2009-0989
Permits Valid from 11/06/2009 to 11/06/2009

Application Id: 1257293942423
Site Location: 2520 Blanding Ave
Project Start Date: 11/06/2009

City of Project Site: Alameda

Completion Date: 11/06/2009

Assigned Inspector: Contact John Shouldice at (510) 670-5424 or johns@acpwa.org

Applicant: Olson Environmental - Myron Olson
P.O. Box 2209, Alameda, CA 94501
Phone: 510-541-5650

Property Owner: PJ Smith Family E, LLC
2520 Blanding Ave, Alameda, CA 94501
Phone: --

Client: ** same as Property Owner **

	Total Due:	$265.00
Receipt Number: WR2009-0399	**Total Amount Paid:**	$265.00
Payer Name : Myron Olson	Paid By: VISA	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 3 Boreholes
Driller: Precision Sampling - Lic #: 636387 - Method: DP

Work Total: $265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2009-0989	11/04/2009	02/04/2010	3	2.00 in.	15.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact John Shouldice for an inspection time at 510-670-5424 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.