

ALAMEDA COUNTY
**HEALTH CARE SERVICES
AGENCY**

ALEX BRISCOE, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

June 25, 2013

Mr. and Mrs. Wilfred and Wilma Garfinkle
Clamp Swing Company
352 Capetown Drive
Alameda, CA 94501

Ms. Janet Koike
Cal Vita Liability Company
2237 Prince Street
Berkeley, CA 94705

Subject: Case Closure Transmittal Fuel Leak Case No. RO0002513 and GeoTracker Global ID
T06019714517, Clamp Swing Company, 2515 Blanding Avenue, Alameda, CA 94501

Ladies and Gentlemen:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

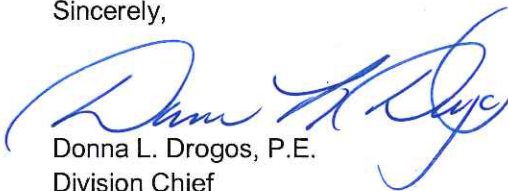
SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Residual pollution of 8,500 parts per billion total petroleum hydrocarbons as diesel remains in groundwater at the site.
- Excavation or construction activities in areas of residual contamination will require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

If you have any questions, please call Karel Detterman at (510) 567-6708. Thank you.

Sincerely,



Donna L. Drogos, P.E.
Division Chief

Enclosures: 1. Remedial Action Completion Certificate
2. Case Closure Summary

cc: Clamp-Swing Pricing Co., 8386 Capwell Drive, Oakland, CA 94621
Cherie McCaulou (w/enc.), SF- Regional Water Quality Control Board, 1515 Clay Street, Suite 1400,
Oakland, CA 94612, (sent via electronic mail to CMacaulou@waterboards.ca.gov)
Donna Drogos, (sent via electronic mail to donna.drogos@acgov.org)
Karel Detterman (sent via electronic mail to karel.detterman@acgov.org)
Electronic File, GeoTracker

ALAMEDA COUNTY
**HEALTH CARE SERVICES
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ALEX BRISCOE, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
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REMEDIAL ACTION COMPLETION CERTIFICATION

June 25, 2013

Mr. and Mrs. Wilfred and Wilma Garfinkle
Clamp Swing Company
352 Capetown Drive
Alameda, CA 94501

Ms. Janet Koike
Cal Vita Liability Company
2237 Prince Street
Berkeley, CA 94705

Subject: Case Closure for Fuel Leak Case No. RO0002513 and GeoTracker Global ID
T06019714517, Clamp Swing Company, 2515 Blanding Avenue, Alameda, CA 94501

Ladies and Gentlemen:

This letter confirms the completion of a site investigation and remedial action for the underground storage tank formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

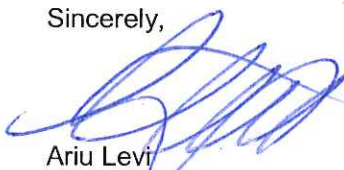
Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,


Ariu Levi
Director

**CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM**

I. AGENCY INFORMATION

Date: June 12, 2013

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6708
Responsible Staff Person: Karel Detterman	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Clamp Swing		
Site Facility Address: 2515 Blanding Avenue, Alameda, CA 94501		
RB Case No.: -----	STID No.: 3017	LOP Case No.: RO0002513
URF Filing Date: 9/12/2002	Geotracker ID: T06019714517	APN: 070-0196-022-00
Responsible Parties	Addresses	Phone Numbers
Janet Koike Cal Vita Limited Liability Company	2237 Prince Street Berkeley, CA 94705-1854	---
Wilfred and Wilma Garfinkle Clamp Swing Company	352 Capetown Drive Alameda, CA 94501	(510) 523-1951

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	300	Gasoline	Removed	9/12/2002
	Piping		Removed	9/12/2002

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. Underground Storage Tank appeared intact upon removal; soil/water discoloration and odor were observed.		
Site characterization complete? Yes	Date Approved By Oversight Agency: -----	
Monitoring wells installed? No	Number: 0	Proper screened interval N/A
Highest GW Depth Below Ground Surface: 4.5 feet below ground surface (bgs)	Lowest Depth: 4.5 feet bgs	Flow Direction: North to east *
Most Sensitive Current Use: Potential Drinking Water Source		

* Gradient from RO0002601, 2421 Blanding Avenue, Alameda, CA 94502

Summary of Production Wells in Vicinity:

A 2,000-foot well survey from case RO3024 (1555 Oak Street, Alameda) located 2,000 feet from the subject site was evaluated. Three water supply wells were identified within a radius of 2,000 feet of the site:

- The nearest water supply well is a 17-foot deep irrigation well is located approximately 740 feet southwest of the site. Based on the site and upgradient location, the irrigation well is not expected to be a receptor for the site.
- Two industrial wells are located approximately 1,240 feet west of the site. The wells are 72 and 80 feet deep and based on the distance from the site and cross-gradient location, the industrial water supply wells are not expected to be receptors for the site.
- An irrigation well of unknown depth is located approximately 1,752 feet south southwest of the site. Based on the distance from the site and upgradient location, the irrigation well is not expected to be a receptor for the site.

Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: Tidal Canal, located approximately 350 feet northeast.
Off-Site Beneficial Use Impacts (Addresses/Locations): None identified.	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	300 gallon	Disposal Ecology Control Industries, Richmond, CA.	9/12/2002
Piping	Approximately 5 feet	Not reported; assumed disposed with UST	9/12/2002
Free Product	----	----	----
Soil	9.3 tons	Allied Waste's Forward Landfill, Manteca, CA.	9/27/2002
Groundwater	----	----	----

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
 (Please see Attachments 1 through 4 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before ¹	After ¹
TPH (Gas)	1,450	9.16	8,910	890
TPH (Diesel)	105	105	22,200	8,500
TPH (Motor Oil)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
Oil and Grease	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
Benzene	<12.5	<0.005	< 2.5	< 0.5
Toluene	13.0	0.019	42.5	< 0.5
Ethylbenzene	<12.5	0.009	24.6	< 0.5
Xylenes	< 25	0.043	74	< 0.5
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	5.1 ²	5.1 ²	Not Analyzed	Not Analyzed
MTBE and 8260B	< 12.5 ³	< 0.005 ⁴	< 2.5 ⁵	< 0.5 ⁶
Other (8240/8270)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed

¹ Grab groundwater sample

² Pb: 5.1 ppm; Cd, Cr, Pb, Ni, Zn not analyzed.

³ MTBE <12.5 ppm, ETBE, TAME, DIPE, EDC, EDB <0.02 ppm, TBA < 1.0 ppm; EtOH < 2 ppm

⁴ MTBE <0.005 ppm, ETBE, TAME, DIPE, EDC, EDB <0.005 ppm, TBA < 0.25 ppm; EtOH <0.5 ppm

⁵ MTBE <2.5 ppb, ETBE, TAME, DIPE, EDC, EDB <1 ppb, TBA < 50 ppb; EtOH < 100 ppb

⁶ MTBE, ETBE, TAME, DIPE, EDB, EDC <0.5 ppb, TBA < 5.0 ppb; EtOH = 11 ppb; methanol = 130 ppb

Site History and Description of Corrective Actions:

The site is currently developed as a mixed-use commercial/residential development and is located at the corner of Blanding Avenue and Everett Street in Alameda, California. Surrounding property use is mixed commercial and residential. The site was reportedly operated as a light manufacturing plant until 1998 and was then remodeled to its current use.

September 12, 2002 - UST removal and Overexcavation #1 - a 300 gallon gasoline underground storage tank (UST) was removed from beneath the sidewalk along Everett Street. Approximately 50 gallons of residual leaded gasoline and tank rinsate liquid was removed from the tank prior to extraction. There were no visible holes in the tank, but odor and visual evidence of contamination was noted in the stockpiled overburden soil and soil beneath the tank. The tank pit was overexcavated to 8 feet bgs to remove contaminated soil, which was added to the stockpile. After completion of the first overexcavation, one soil sample was collected at 8 feet bgs from beneath the former tank and detected 0.579 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPHg). Additionally, one four-point composite sample was collected from stockpiled soil and contained 50.1 ppm TPHg and 22.9 ppm lead. Fuel oxygenates were not detected. No groundwater was encountered during the September 12, 2002 over-excavation activities. Upon completion of the confirmation sampling, the tank pit was lined with plastic, the overburden stockpile and additional clean soil was used to backfill the tank pit, and the area was repaved. Approximately 9.3 tons of contaminated overexcavated soil was disposed of as non-hazardous waste at a landfill.

November 27, 2002 - Overexcavation #2 - The former UST pit was re-excavated and one soil and one grab groundwater sample were collected at 4.5 feet bgs. Analysis of the soil sample from the north sidewall of the re-excavation just above the groundwater interface detected up to 1,450 ppm TPHg. Analyzed grab groundwater from the excavation detected 890 parts per billion (ppb) TPHg. Fuel oxygenates were not detected in the soil or groundwater samples. The groundwater interface was observed at approximately 4.5 feet bgs. The excavation was left open, covered with plywood, and fenced off pending receipt of sample results.

January 3, 2003 - Overexcavation #3 - Additional excavation of contaminated soil was performed and two soil samples and one groundwater sample were collected. Analysis of one soil sample collected from the east sidewall of the excavation at six feet below ground surface (feet bgs) detected 9.16 ppm TPHg and 105 ppm Total Petroleum Hydrocarbons as diesel (TPHd). The second soil sample was collected at ten feet bgs from the north wall and petroleum hydrocarbons were not detected. Up to 8,910 ppb TPHg and 22,200 ppb TPHd were detected in an excavation grab groundwater sample. The second and third overexcavation events generated an additional 10.01 tons of soil which was disposed off off-site as non-hazardous waste at a landfill.

Five soil borings (B-1 through B-5) were installed in November 2006. The borings were placed on three sides of the former UST pit excavation and were 10 feet to 50 feet away from the tank excavation. Soil samples collected from each boring at approximately four feet bgs at the groundwater interface detected up to 12 ppm TPHd, 0.0075 ppm tertiary butyl alcohol (TBA), and 2.46 ppm lead. Groundwater samples were collected between four and fifteen feet bgs. Up to 8,500 ppb TPHd was detected in a grab groundwater sample from boring B-4, which is located approximately ten feet southwest of the former UST; TPHg or BTEX were not detected in any of the groundwater samples.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, closure of this site appears to be consistent with the policies established by the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP) which became effective on August 17, 2012.		
Site Management Requirements: This fuel leak case has been evaluated for closure consistent with the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Based on this evaluation, no site management requirements appear to be necessary. However, excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.		
Should corrective action be reviewed if land use changes? No		
Was a deed restriction or deed notification filed? No		Date Recorded: ----
Monitoring Wells Decommissioned: N/A	Number Decommissioned: 0	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: -----		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

Analysis for naphthalene was not performed. However, the site was excavated to a depth of ten feet bgs and residual petroleum hydrocarbon concentrations in soil were less than the LTCP maximum soil concentrations for petroleum hydrocarbons.

Conclusion:

Alameda County Environmental Health staff believe that the site meets the conditions for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case is necessary at this time.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Karel Detterman, P.G.	Title: Hazardous Materials Specialist
Signature: <i>Karel Detter</i>	Date: <i>June 25, 2013</i>
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature: <i>Donna L. Drogos</i>	Date: <i>06/25/2013</i>

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Notification Date: <i>April 15, 2013</i>	

VIII. MONITORING WELL DECOMMISSIONING

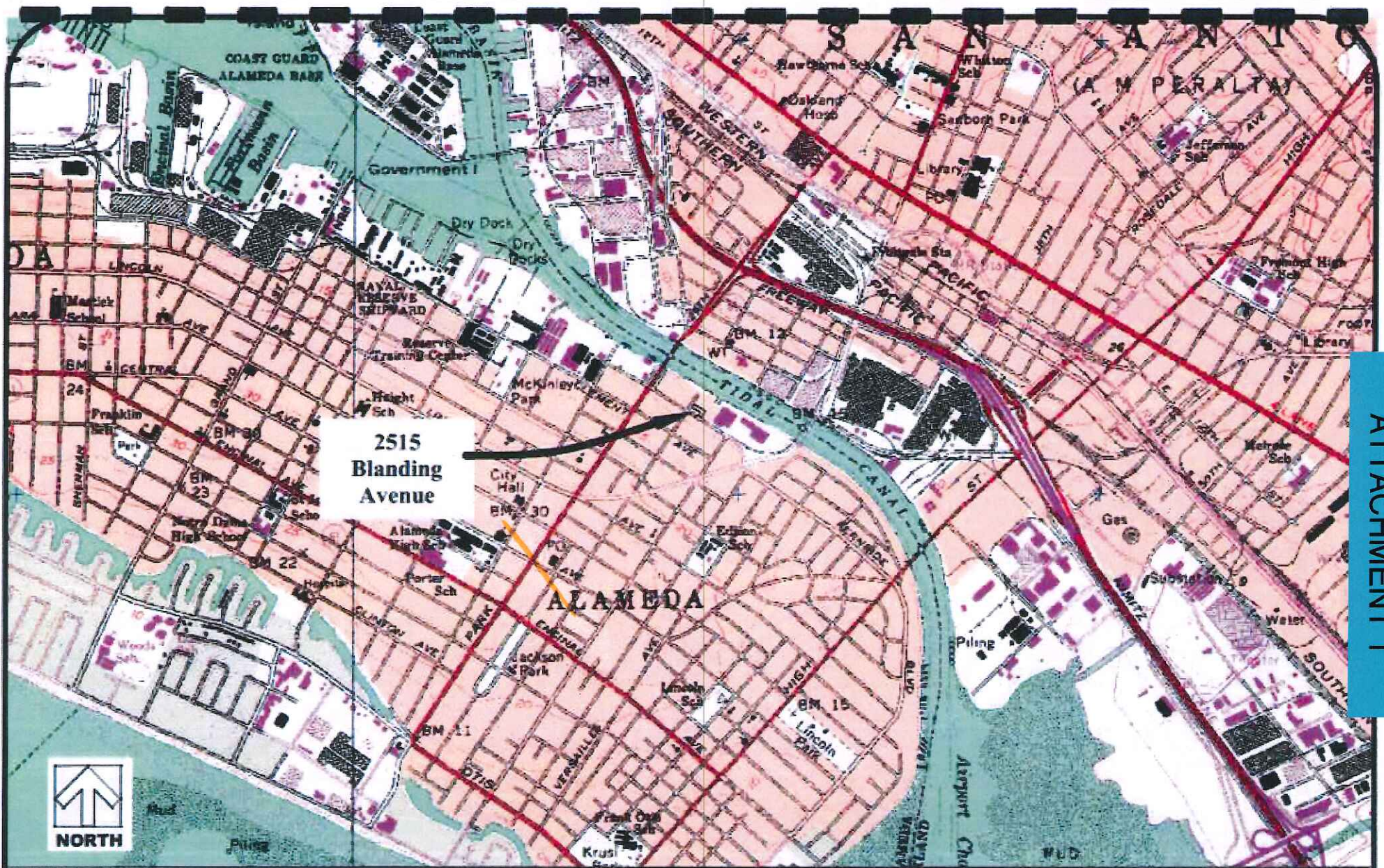
Date Requested by ACEH: ----	Date of Well Decommissioning Report: ----	
All Monitoring Wells Decommissioned: N/A	Number Decommissioned: 0	Number Retained: 0
Reason Wells Retained: No monitoring wells installed		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature: <i>Karel Dettler</i>	Date: <i>June 25, 2013</i>	

*NA = Not Applicable. No wells were ever installed on this site.

Attachments:

1. Site Vicinity Map and Aerial Photograph (2 pp)
2. Site Plan (3 pp)
3. Soil and Groundwater Analytical Data (34 pp)
4. Boring Logs (5 pp)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.



ATTACHMENT 1



3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04896 Source Data: USGS

Scale: 1" = 250 ft

Date: WGS84



W.A. Craig, Inc.
 6940 Tremont Road Lic. No. 455752
 Dixon, California 95620-9603
 (707) 693-2929 Fax# (707) 693-2922

Site Location Map
 Former Clamp Swing Pricing Company
 2515 Blanding Avenue
 Alameda, California

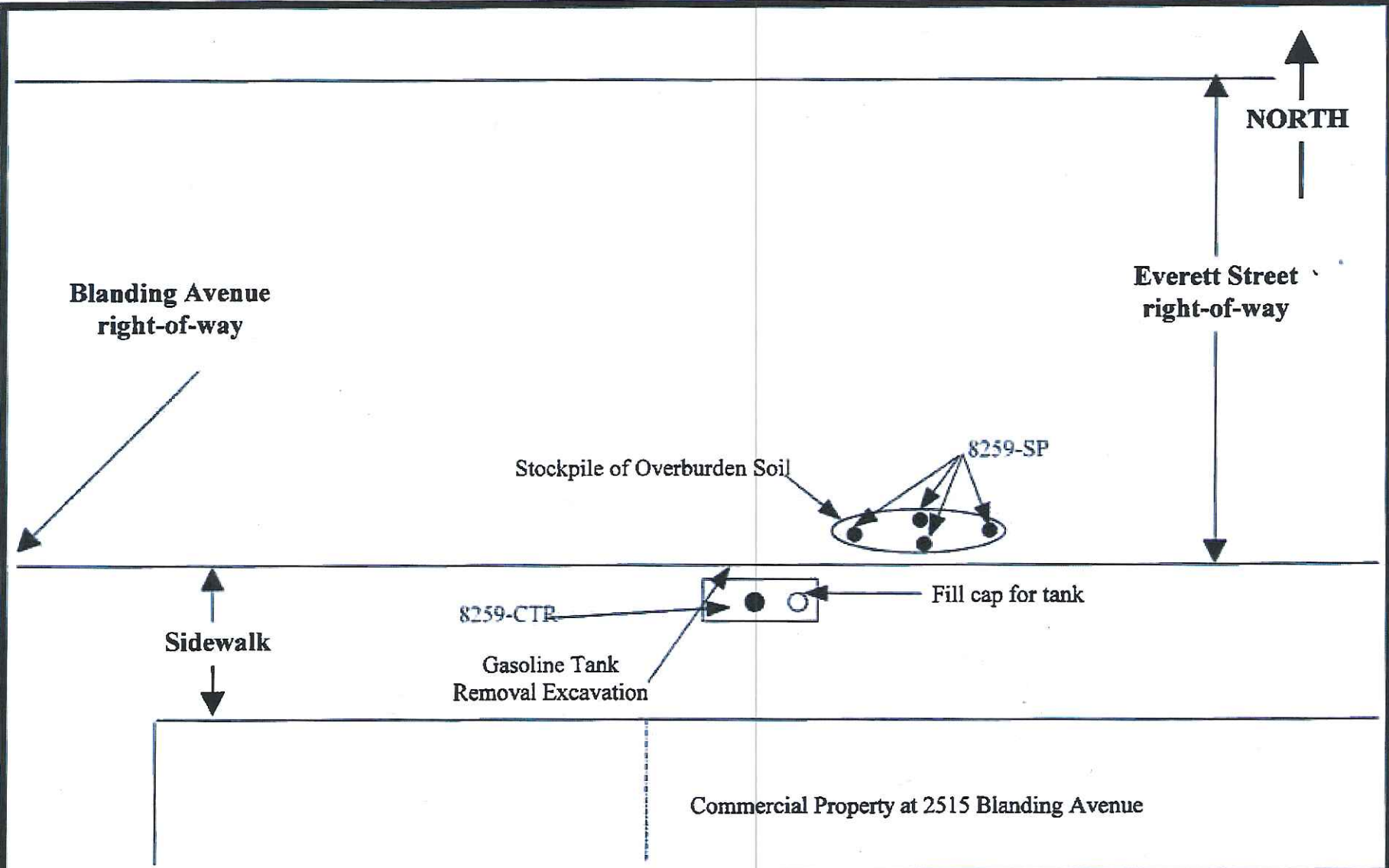
Project #: 4287	1
Date: 12/10/04	
Scale: as shown	

Site Vicinity Aerial Photograph

RO0002513 – Clamp Swing, 2515 Blanding Avenue, Alameda, CA 94501



Figure 1: Aerial View of Property (Google Earth, 2013)



GOLDEN GATE TANK REMOVAL, INC

255 Shipley Street
San Francisco, California 94107
Telephone (415) 512 1555 Fax (415) 512 0964

SITE PLAN

Blanding Avenue
Alameda, California

Project Number 88259

By: tiw

Not to scale

September, 2002

Figure 2



Water
(1/3/03)

TPH-g 8,910
B <2.5
T 42.5
E 24.6
X 74

Everett Street

tank pull 8ft
(9/12/02)

TPH-g 0.579
B <0.005
T 0.005
E 0.009
X 0.027

water
(11/27/02)

TPH-g 890
B <0.5
T 7.8
E 1.3
X 7.3

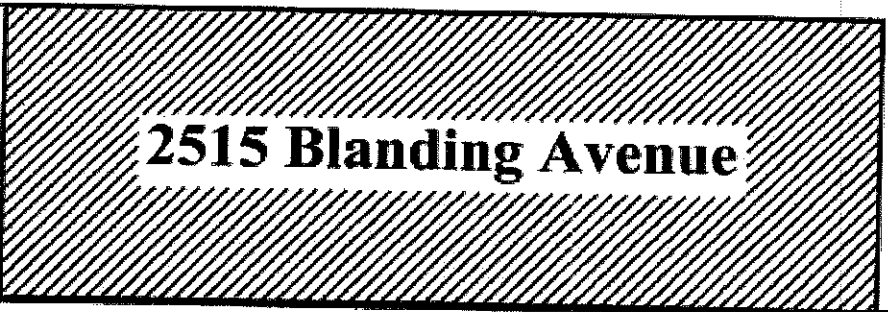
SW-N [4'6"]
(11/27/02)

TPH-g 1,450
B <12.5
T 13
E <12.5
X <25

N 10ft
(1/3/03)

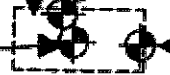
TPH-g <0.5
B <0.005
T <0.005
E <0.005
X <0.005

Sidewalk



2515 Blanding Avenue

Sliding Gate



E 6ft
(1/3/03)

TPH-g 9.16*
B <0.005
T 0.019
E 0.009
X 0.043

Approximately 350' to
the Tidal Canal
(presumed groundwater
flow direction)

Asphalt



LEGEND

Soil Sample Locations (date)

Fence Line

Former Tank and Trench Excavation

Covered Structure

TPH-g Total Petroleum Hydrocarbons as Gasoline

B Benzene

T Toluene

E Ethylbenzene

X Xylenes

* Laboratory reports that result "does not match gasoline"

Note: Soil samples recorded in mg/kg.

Water samples recorded in µg/L.

Scale is approximate.



W.A. Craig, Inc.

6940 Tremont Road Lic. No. 455752
Dixon, California 95620-9603
(707) 693-2929 Fax# (707) 693-2922

Site Plan

Former Clamp Swing Pricing Company
2515 Blanding Avenue
Alameda, California

Project #: 4287

Date: 2/1/06

Scale: 1"=10'

Figure:

2

Sidewalk

Everett Street

Sliding Gate

B-2

B-3

LEGEND

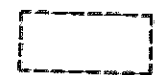
- Boring Location
- Fence Line
- - - Former Tank Excavation
- ▨ Covered Structure

B-5

Driveway

Sidewalk

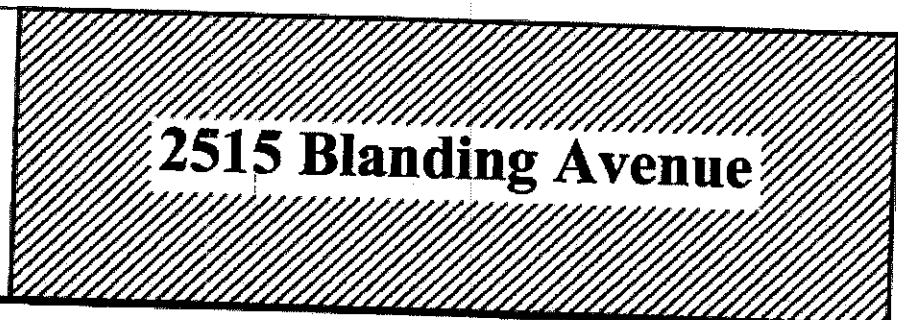
B-4



B-1

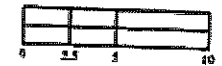
Approximately 350' to the Tidal Canal (presumed groundwater flow direction)

Asphalt Parking Lot



2515 Blanding Avenue

Asphalt



W.A. Craig, Inc.

6940 Tremont Road Lic. No. 455752
Dixon, California 95620-9603
(707) 693-2929 Fax# (707) 693-2922

Boring Locations

**Former Clamp Swing Pricing Company
2515 Blanding Avenue
Alameda, California**

Project #: 4287	Figure:
Date: 12-8-06	3
Scale: 1"=10'	

ATTACHMENT 3

September 27, 2002
2515 Blanding Avenue, Alameda, California

Tank Removal Report
Job #8259

TABLE 1
TANK REMOVAL SAMPLE RESULTS

SAMPLE I.D.	TPH-G (ppm)	TPH-D (ppm)	B (ppm)	T (ppm)	E (ppm)	X (ppm)	MTBE (ppm)	Lead (ppm)	Oxy (ppm)
8259-CTR (Excavation)	0.579	ND	ND	0.005	0.009	0.027	ND	5.1	ND
8259-SP (Stockpile)	50.100	ND	ND	0.012	0.008	0.034	ND	22.9	ND

Note: ppm - parts per million [equivalent to milligrams per kilogram (mg/kg)]

8. SITE RESTORATION

Following the tank removal sampling activities, GGTR was directed by the inspector on site to backfill the excavation at that time to minimize the liability exposures of an open excavation. By September 12, 2002, the excavation was first lined with visqueen then was backfilled to surface grade with both the overburden soil and clean imported soil and subsequently compacted.

9. SOIL WASTE MANAGEMENT

On September 27, 2002, following waste profiling and facility waste acceptance approval, GGTR returned to the site and transferred the stockpiled contaminated soil to a dump truck. GGTR transported the soil (approximately 9.3 tons) under Non-Hazardous Waste Manifest No. 50803 to Allied Waste's Forward Landfill facility in Manteca, California. A copy of the manifest and associated weight ticket is attached.

10. FINDINGS / RECOMMENDATION

No visible holes were observed in the tank. Groundwater was not observed during the tank excavation, removal, or sampling activities. There was a note of odor and visual evidence of impacted soil in both the overburden soil and soil underlying the tank. Additional gasoline-effected soil was removed from the excavation to the extent feasible and subsequently disposed of at a licensed disposal facility. The State-Certified Laboratory analytical results for the tank excavation and stockpile samples are attached for review by the Alameda County Environmental Health Department. Any remedial action or investigation, if any, will be requested and directed by the Alameda County Environmental Health Department.



North State Labs

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

CA ELAP # 1753

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 02-1306
 Client: Golden Gate Tank
 Project: 8259/2515 BLANDING AVE

Date Reported: 09/19/2002

Diesel Range Hydrocarbons by Method CATHF
 Gasoline, BTEX and MTBE by Methods SW8020F
 Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 02-1306-01 Client ID: 8259-SP 09/12/2002 SO					
Benzene	SW8020F	ND<5	UG/KG		09/17/2002
Ethylbenzene	SW8020F	8	UG/KG		09/17/2002
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		09/17/2002
Toluene	SW8020F	12	UG/KG		09/17/2002
Xylenes	SW8020F	34	UG/KG		09/17/2002
Lead	SW6010B	22.9	MG/KG		09/18/2002
Diesel Fuel #2	CATHF	ND<1	MG/KG		09/18/2002
Gasoline Range Organics	SW8020F	50100	UG/KG		09/17/2002
Sample: 02-1306-02 Client ID: 8259-CTR 09/12/2002 SO					
Benzene	SW8020F	ND<5	UG/KG		09/17/2002
Ethylbenzene	SW8020F	9	UG/KG		09/17/2002
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		09/17/2002
Toluene	SW8020F	5	UG/KG		09/17/2002
Xylenes	SW8020F	27	UG/KG		09/17/2002
Lead	SW6010B	5.1	MG/KG		09/18/2002
Diesel Fuel #2	CATHF	ND<1	MG/KG		09/18/2002
Gasoline Range Organics	SW8020F	579	UG/KG		09/17/2002



North State Labs

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

CA ELAP# 1753

C E R T I F I C A T E O F A N A L Y S I S

Job Number: 02-1306
 Client : Golden Gate Tank
 Project : 8259/2515 BLANDING AVE

Date Sampled : 09/12/2002
 Date Analyzed: 09/18/2002
 Date Reported: 09/19/2002

Volatile Organics by GC/MS Method 8260

Laboratory Number	02-1306-01	02-1306-02
Client ID	8259-SP	8259-CTR
Matrix	SO	SO
Analyte	UG/KG	UG/KG
Methyl-tert-butyl ether	ND<5	ND<5
Ethyl tert-butyl ether	ND<5	ND<5
Tert-Butyl methyl ether	ND<5	ND<5
Di-isopropyl ether (DIPPE)	ND<5	ND<5
Tert-Butyl alcohol	ND<250	ND<250
1,2-Dichloroethane	ND<5	ND<5
1,2-Dibromoethane	ND<5	ND<5
Ethanol	ND<500	ND<500
SUR-Bromofluoromethane	57	105
SUR-Toluene-d8	99	97
SUR-4-Bromofluorobenzene	97	99

Dec 04 02 05:09p

P. 4



North State Labs

CA BLAP# 1733

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 02-1733
 Client: Golden Gate Tank
 Project: 8259/2515 BLANDING AVE, ALAMEDA

Date Reported: 12/04/2002

Gasoline, BTEX and MTBE by Methods SW8020F
 Total Dissolved Solids by Method 160.1

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 02-1733-01	Client ID: 8259-SW-N [4'6"]			11/27/2002	SO
Benzene	SW8020F	ND<12500	UG/KG		12/03/2002
Ethylbenzene	SW8020F	ND<12500	UG/KG		12/03/2002
Gasoline Range Organics	SW8020F	1450000	UG/KG		12/03/2002
Methyl-tert-butyl ether	SW8020F	ND<12500	UG/KG		12/03/2002
Toluene	SW8020F	13000	UG/KG		12/03/2002
Xylenes	SW8020F	ND<25000	UG/KG		12/03/2002
Sample: 02-1733-02	Client ID: 8259-W			11/27/2002	W
Benzene	SW8020F	ND<0.5	UG/L		12/03/2002
Ethylbenzene	SW8020F	1.3	UG/L		12/03/2002
Gasoline Range Organics	SW8020F	890	UG/L		12/03/2002
Methyl-tert-butyl ether	SW8020F	ND<0.5	UG/L		12/03/2002
Toluene	SW8020F	7.8	UG/L		12/03/2002
Xylenes	SW8020F	7.3	UG/L		12/03/2002
Total Dissolved Solids	E160.1	300	MG/L		12/04/2002

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**North State Labs**

CA ELAP # 1733

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

C E R T I F I C A T E O F A N A L Y S I S

Job Number: 02-1733
Client : Golden Gate Tank
Project : 8259/2515 BLANDING AVE, ALAMEDA

Date Sampled : 11/27/2002
Date Analyzed: 12/03/2002
Date Reported: 12/04/2002

Volatile Organics by GC/MS Method 8260

Laboratory Number	02-1733-01
Client ID	8259-SW-N
Matrix	SO
Analyte	UG/KG
Methyl-tert-butyl ether	ND<20
Ethyl tert-butyl ether	ND<20
tert-Amyl methyl ether	ND<20
Di-isopropyl ether (DIFE)	ND<20
tert-Butyl alcohol	ND<1000
1,2-Dichloroethane	ND<20
1,2-Dibromoethane	ND<20
Ethanol	ND<2000
SUR-Dibromofluoromethane	123
SUR-Toluene-d8	92
SUR-4-Bromofluorobenzene	82

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North State Labs

CA ELAP# 1753

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 03-0021
 Client: Golden Gate Tank
 Project: 8259/2515 BLANDING ALAMEDA

Date Reported: 01/09/2003

Diesel Range Hydrocarbons by Method CATFH
 Gasoline, BTEX and MTBE by Methods SW8020F

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 03-0021-01 Client ID: 8259-E-6FT 01/03/2003 SO					
Benzene	SW8020F	ND<5	UG/KG		01/08/2003
Ethylbenzene	SW8020F	9	UG/KG		01/08/2003
Gasoline Range Organics	SW8020F	**9160	UG/KG		01/08/2003
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		01/08/2003
Toluene	SW8020F	19	UG/KG		01/08/2003
Xylenes	SW8020F	43	UG/KG		01/08/2003
Diesel Fuel #2	CATFH	*105	MG/KG		01/08/2003
Sample: 03-0021-02 Client ID: 8259-N-10FT 01/03/2003 SO					
Benzene	SW8020F	ND<5	UG/KG		01/08/2003
Ethylbenzene	SW8020F	ND<5	UG/KG		01/08/2003
Gasoline Range Organics	SW8020F	ND<500	UG/KG		01/08/2003
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		01/08/2003
Toluene	SW8020F	ND<5	UG/KG		01/08/2003
Xylenes	SW8020F	ND<10	UG/KG		01/08/2003
Diesel Fuel #2	CATFH	ND<1	MG/KG		01/08/2003
Sample: 03-0021-03 Client ID: 8259-W 01/03/2003 W					
Benzene	SW8020F	ND<2.5	UG/L		01/09/2003
Ethylbenzene	SW8020F	24.6	UG/L		01/09/2003
Gasoline Range Organics	SW8020F	8910	UG/L		01/09/2003
Methyl-tert-butyl ether	SW8020F	ND<2.5	UG/L		01/09/2003
Toluene	SW8020F	42.5	UG/L		01/09/2003

Does not match: *-diesel, **-gasoline.

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North State Labs

CA ELAP #1753

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 03-0021
 Client: Golden Gate Tank
 Project: 8259/2515 BLANDING ALAMEDA

Date Reported: 01/09/2003

Diesel Range Hydrocarbons by Method CATHF
 Gasoline, BTEX and MTBE by Methods SW8020F

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 03-0021-03	Client ID: 8259-W			01/03/2003	W
Xylenes	SW8020F	74	UG/L		01/09/2003
Diesel Fuel #2	CATFH	*22.2	MG/L		01/08/2003

Does not match: *-diesel, **-gasoline.

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Table 1
Sample Analytical Results
2515 Blanding Avenue, Alameda, CA

Soil Analytical Results																	
Sample	Depth (ft)	TPH-g	TPH-d	benzene	toluene	ethyl benzene	xylene	MIBK (C6H10)	DPE	EHE	IAME	BA	Methanol	ethanol	EDB	DCA	Lead
B-10015	5	<1	1.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	3.1
B-10014	14	<1	1.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	3.8
B-20015	2	<1	2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	2.37
B-20018	16	<1	1.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	1.87
B-30014	8	<1	1.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	2.46
B-30016	14	<1	1.6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	2.4
B-40015	5	<1	1.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	2.4
B-40017	15	<1	1.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	2.4
B-50015	5	<1	1.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	1.23
B-50018	15	<1	1.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	1.37
ESL ¹		100	100	0.16	0.3	11	11	56	NE	NE	NE	110	NE	6	NE	107	750
ESL ²		100	100	0.11	0.3	11	11	56	NE	NE	NE	110	NE	6	NE	107	750

Groundwater Analytical Results (ug/L)																		
Sample	Depth (ft)	TPH-g	TPH-d	benzene	toluene	ethyl benzene	xylene	MIBK (C6H10)	DPE	EHE	IAME	BA	Methanol	ethanol	EDB	DCA	Lead	
B-1g	1.27	<10	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<10	<0.5	<0.5	<0.5	
B-2g	13	<10	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<100	<10	<0.5	<0.5	<0.5	
B-2gS	5	<10	130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<100	<10	<0.5	<0.5	<0.5	
B-2g15	15	<10	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<0.5	<0.5	<0.5	
B-3g	5	<10	280	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<100	<10	<0.5	<0.5	<0.5	
B-3g14	14	<10	320	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<100	<10	<0.5	<0.5	<0.5	
B-4g	4	<10	1,500	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<100	<10	<0.5	<0.5	<0.5	
B-4g17	17	<10	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<100	<10	<0.5	<0.5	<0.5	
B-5g	4.15	<10	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<100	<10	<0.5	<0.5	<0.5	
B-5g15	15	<10	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<100	<10	<0.5	<0.5	<0.5	
ESL		100	100	0.16	0.3	11	11	56	NE	NE	NE	110	NE	6	NE	107	750	
MCL		NE	NE	1	100	100	1,750	11	NE	NE	NE	110	NE	NE	6	NE	107	750

Note: All samples were collected on 11-27-06
MCL = Primary Maximum Contaminant Level for Drinking Water in California. ** Denotes a Drinking Water Action Level, not an MCL.
ESL¹ = Tier 1 Environmental Screening Levels for San Francisco Bay Regional Water Quality Control Board, California EPA. Shallow soil (<2ft), Commercial/Industrial. Groundwater is not a current source of drinking water.
ESL² = Tier 1 Environmental Screening Levels for San Francisco Bay Regional Water Quality Control Board, California EPA. Deep Soil (>2ft), Commercial/Industrial. Groundwater is not a current source of drinking water.
ESL³ = Tier 1 Environmental Screening Levels for San Francisco Bay Regional Water Quality Control Board, California EPA. Groundwater Screening Levels where Groundwater is not a Current or Potential Drinking Water Resource.
Soil results in milligrams per kilogram (mg/kg)
Groundwater results reported in micrograms per liter (ug/L)
NE = Not established
TPH-g = total petroleum hydrocarbons as gasoline
TPH-d = total petroleum hydrocarbons as diesel
MIBK = methyl isobutyl ether
BA = tert-butyl alcohol
DPE = diisopropyl ether
EHE = ethyl tert-butyl ether
IAME = isobutyl methyl ether
EDB = ethylene dibromide
DCA = 1,2-dichloroethane

Project Name : **Garfinkle**

Project Number : **4287**

Sample : **B-1@5'**

Matrix : Soil

Lab Number : 53536-01

Sample Date :11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-aryl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-Butanol	0.0075	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	11/29/2006
Ethanol	< 0.010	0.010	mg/Kg	EPA 8260B	11/29/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	109		% Recovery	EPA 8260B	11/29/2006
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	1.8	1.0	mg/Kg	M EPA 8015	11/30/2006
1-Chlorooctadecane (Diesel Surrogate)	115		% Recovery	M EPA 8015	11/30/2006

Approved By:

Joel Kiff



Project Name : **Garfinkle**

Project Number : **4287**


Sample : B-1@14'

Matrix : Soil

Lab Number : 53536-02

Sample Date : 11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-Butanol	0.0074	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	11/29/2006
Ethanol	< 0.010	0.010	mg/Kg	EPA 8260B	11/29/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	11/29/2006
1,2-Dichloroethane-d4 (Surr)	98.7		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	1.4	1.0	mg/Kg	M EPA 8015	11/30/2006
1-Chlorooctadecane (Diesel Surrogate)	101		% Recovery	M EPA 8015	11/30/2006

Approved By:  Joel Kiff

Project Name : **Garfinkle**

Project Number : **4287**


Sample : **B-2@4'**

Matrix : Soil

Lab Number : 53536-03

Sample Date :11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	11/29/2006
Ethanol	< 0.010	0.010	mg/Kg	EPA 8260B	11/29/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	11/29/2006
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	2.0	1.0	mg/Kg	M EPA 8015	11/29/2006
1-Chlorooctadecane (Diesel Surrogate)	130		% Recovery	M EPA 8015	11/29/2006

Approved By:  Joel Kiff

Project Name : **Garfinkle**

Project Number : **4287**

Sample : **B-2@16'**

Matrix : Soil

Lab Number : 53536-04

Sample Date :11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	11/29/2006
Ethanol	< 0.010	0.010	mg/Kg	EPA 8260B	11/29/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	11/29/2006
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	12	1.0	mg/Kg	M EPA 8015	11/30/2006
1-Chlorooctadecane (Diesel Surrogate)	84.6		% Recovery	M EPA 8015	11/30/2006

Approved By:

Joel Kiff



Project Name : Garfinkle

Project Number : 4287

Sample : B-3@4'

Matrix : Soil

Lab Number : 53536-05

Sample Date : 11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	11/29/2006
Ethanol	< 0.010	0.010	mg/Kg	EPA 8260B	11/29/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	11/29/2006
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	8.7	1.0	mg/Kg	M EPA 8015	11/30/2006
1-Chlorooctadecane (Diesel Surrogate)	105		% Recovery	M EPA 8015	11/30/2006

Approved By:

Joel Kiff



Project Name : **Garfinkle**

Project Number : **4287**


Sample : **B-3@16'**

Matrix : Soil

Lab Number : 53536-06

Sample Date : 11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	11/29/2006
Ethanol	< 0.010	0.010	mg/Kg	EPA 8260B	11/29/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	11/29/2006
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	1.6	1.0	mg/Kg	M EPA 8015	11/30/2006
1-Chlorooctadecane (Diesel Surrogate)	115		% Recovery	M EPA 8015	11/30/2006

Approved By:  Joel Kiff



Report Number : 53536

Date : 12/6/2006

Project Name : **Garfinkle**

Project Number : **4287**

Sample : **B-4@5'**

Matrix : Soil

Lab Number : 53536-07

Sample Date :11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	11/29/2006
Ethanol	< 0.010	0.010	mg/Kg	EPA 8260B	11/29/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	11/29/2006
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	1.9	1.0	mg/Kg	M EPA 8015	11/30/2006
1-Chlorooctadecane (Diesel Surrogate)	118		% Recovery	M EPA 8015	11/30/2006

Approved By:

Joel Kiff

Project Name : Garfinkle

Project Number : 4287


Sample : B-4@15'

Matrix : Soil

Lab Number : 53536-08

Sample Date :11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	11/29/2006
Ethanol	< 0.010	0.010	mg/Kg	EPA 8260B	11/29/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	11/29/2006
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	9.3	1.0	mg/Kg	M EPA 8015	11/30/2006
1-Chlorooctadecane (Diesel Surrogate)	110		% Recovery	M EPA 8015	11/30/2006

Approved By:  Joel Kiff

Project Name : **Garfinkle**

Project Number : **4287**


Sample : **B-5@5'**

Matrix : Soil

Lab Number : 53536-09

Sample Date : 11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	11/29/2006
Ethanol	< 0.010	0.010	mg/Kg	EPA 8260B	11/29/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	11/29/2006
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	3.2	1.0	mg/Kg	M.EPA 8015	11/30/2006
1-Chlorooctadecane (Diesel Surrogate)	102		% Recovery	M EPA 8015	11/30/2006

Approved By:  Joel Kiff



Report Number : 53536

Date : 12/6/2006

Project Name : **Garfinkle**

Project Number : **4287**

Sample : **B-5@15'**

Matrix : Soil

Lab Number : 53536-10

Sample Date : 11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	11/29/2006
Ethanol	< 0.010	0.010	mg/Kg	EPA 8260B	11/29/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	11/29/2006
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	4.7	1.0	mg/Kg	M EPA 8015	11/30/2006
1-Chlorooctadecane (Diesel Surrogate)	103		% Recovery	M EPA 8015	11/30/2006

Approved By:

Joel Kiff

Project Name : **Garfinkle**

Project Number : **4287**


Sample : B-1a

Matrix : Water

Lab Number : 53536-11

Sample Date : 11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/5/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/5/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/5/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/5/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/5/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/5/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/5/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/5/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/5/2006
Methanol	65	50	ug/L	EPA 8260B	12/5/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	12/5/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/5/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	12/5/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/5/2006
Toluene - d8 (Surr)	97.2		% Recovery	EPA 8260B	12/5/2006
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	12/5/2006
TPH as Diesel	410	50	ug/L	M EPA 8015	12/4/2006
Octacosane (Diesel Surrogate)	84.4		% Recovery	M EPA 8015	12/4/2006

Approved By:  Joel Kiff

Project Name : **Garfinkle**

Project Number: **4287**

Sample : B-1@15'

Matrix : Water

Lab Number : 53536-12

Sample Date : 11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/30/2006
Methanol	< 100	100	ug/L	EPA 8260B	11/30/2006
Ethanol	< 10	10	ug/L	EPA 8260B	11/30/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/30/2006
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	11/30/2006
4-Bromofluorobenzene (Surr)	96.4		% Recovery	EPA 8260B	11/30/2006
TPH as Diesel	160	50	ug/L	M EPA 8015	12/5/2006
Octacosane (Diesel Surrogate)	114		% Recovery	M EPA 8015	12/5/2006

Approved By:

Joel Kiff



Project Name : **Garfinkle**

Project Number : **4287**

Sample : **B-2@6'**

Matrix : **Water**

Lab Number : **53536-13**

Sample Date : **11/27/2006**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/29/2006
Methanol	< 50	50	ug/L	EPA 8260B	11/29/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	99.2		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	330	50	ug/L	M EPA 8015	12/5/2006
Octacosane (Diesel Surrogate)	89.8		% Recovery	M EPA 8015	12/5/2006

Approved By:  Joel Kiff

Project Name : **Garfinkle**

Project Number : **4287**

Sample : **B-2@13'**

Matrix : Water

Lab Number : 53536-14

Sample Date : 11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/29/2006
Methanol	< 50	50	ug/L	EPA 8260B	11/29/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	97.5		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	< 50	50	ug/L	M EPA 8015	12/5/2006
Octacosane (Diesel Surrogate)	94.2		% Recovery	M EPA 8015	12/5/2006

Approved By:  Joel Kiff

Project Name : **Garfinkle**

Project Number : **4287**

Sample : **B-3@6'**

Matrix : **Water**

Lab Number : **53536-15**

Sample Date : **11/27/2006**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/29/2006
Methanol	130	50	ug/L	EPA 8260B	11/29/2006
Ethanol	11	5.0	ug/L	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	98.6		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	280	50	ug/L	M EPA 8015	12/5/2006
Octacosane (Diesel Surrogate)	87.6		% Recovery	M EPA 8015	12/5/2006

Approved By:

Joel Kiff



Project Name : **Garfinkle**

Project Number : **4287**

Sample : **B-3@14'**

Matrix : Water

Lab Number : 53536-16

Sample Date : 11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/30/2006
Methanol	< 50	50	ug/L	EPA 8260B	11/30/2006
Ethanol	< 8.0	8.0	ug/L	EPA 8260B	11/30/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/30/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/30/2006
4-Bromofluorobenzene (Surr)	95.5		% Recovery	EPA 8260B	11/30/2006
TPH as Diesel	520	50	ug/L	M EPA 8015	12/6/2006
Octacosane (Diesel Surrogate)	120		% Recovery	M EPA 8015	12/6/2006

Approved By:

Joel Kiff

Project Name : **Garfinkle**

Project Number : **4287**


Sample : **B-4a**

Matrix : Water

Lab Number : 53536-17

Sample Date : 11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/30/2006
Methanol	59	50	ug/L	EPA 8260B	11/30/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	11/30/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/30/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	11/30/2006
4-Bromofluorobenzene (Surr)	97.0		% Recovery	EPA 8260B	11/30/2006
TPH as Diesel	8500	50	ug/L	M EPA 8015	12/5/2006
Octacosane (Diesel Surrogate)	94.6		% Recovery	M EPA 8015	12/5/2006

Approved By:  Joel Kiff

Project Name : **Garfinkle**

Project Number : **4287**

Sample : **B-4@15'**

Matrix : Water

Lab Number : 53536-18

Sample Date : 11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/29/2006
Methanol	< 80	80	ug/L	EPA 8260B	11/29/2006
Ethanol	< 8.0	8.0	ug/L	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	94.6		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	860	50	ug/L	M EPA 8015	12/5/2006
Octacosane (Diesel Surrogate)	125		% Recovery	M EPA 8015	12/5/2006

Approved By:

Joel Kiff



Project Name : **Garfinkle**

Project Number : **4287**


Sample : B-5a

Matrix : Water

Lab Number : 53536-19

Sample Date :11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/29/2006
Methanol	110	50	ug/L	EPA 8260B	11/29/2006
Ethanol	6.6	5.0	ug/L	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	98.9		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	< 50	50	ug/L	M EPA 8015	12/5/2006
Octacosane (Diesel Surrogate)	86.2		% Recovery	M EPA 8015	12/5/2006

Approved By:  Joel Kiff

Project Name : **Garfinkle**

Project Number : **4287**

Sample : **B-5@15'**

Matrix : Water

Lab Number : 53536-20

Sample Date :11/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/29/2006
Methanol	< 50	50	ug/L	EPA 8260B	11/29/2006
Ethanol	5.4	5.0	ug/L	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	11/29/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	94.9		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	300	50	ug/L	M EPA 8015	12/6/2006
Octacosane (Diesel Surrogate)	119		% Recovery	M EPA 8015	12/6/2006

Approved By:

Joel Kiff



Project Name : **Garfinkle**

Project Number : **4287**

Sample : **SC**

Matrix : **Soil**

Lab Number : **53536-21**

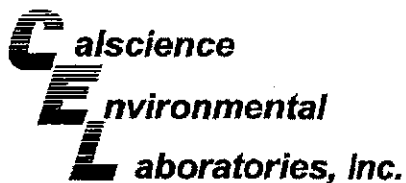
Sample Date : **11/27/2006**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	11/29/2006
Ethanol	< 0.010	0.010	mg/Kg	EPA 8260B	11/29/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/29/2006
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	11/29/2006
Toluene - d8 (Surr)	98.1		% Recovery	EPA 8260B	11/29/2006
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	11/29/2006
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	11/29/2006
TPH as Diesel	1.7	1.0	mg/Kg	M EPA 8015	11/30/2006
1-Chlorooctadecane (Diesel Surrogate)	107		% Recovery	M EPA 8015	11/30/2006

Approved By:

Joel Kiff





Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 11/30/06
Work Order No: 06-11-1689
Preparation: EPA 3050B
Method: EPA 6010B

Project: Garfinkle

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-1@5'	06-11-1689-1	11/27/06	Solid	11/30/06	12/01/06	061130L03

Parameter	Result	RL	DF	Qual	Units
Lead	2.80	0.50	1		mg/kg

B-1@14'	06-11-1689-2	11/27/06	Solid	11/30/06	12/01/06	061130L03
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Parameter	Result	RL	DF	Qual	Units
Lead	1.84	0.50	1		mg/kg

B-2@4'	06-11-1689-3	11/27/06	Solid	11/30/06	12/01/06	061130L03
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Parameter	Result	RL	DF	Qual	Units
Lead	2.27	0.50	1		mg/kg

B-2@16'	06-11-1689-4	11/27/06	Solid	11/30/06	12/01/06	061130L03
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Parameter	Result	RL	DF	Qual	Units
Lead	1.07	0.50	1		mg/kg

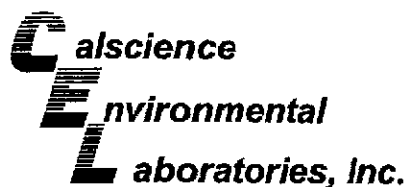
B-3@4'	06-11-1689-5	11/27/06	Solid	11/30/06	12/01/06	061130L03
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Parameter	Result	RL	DF	Qual	Units
Lead	2.46	0.50	1		mg/kg

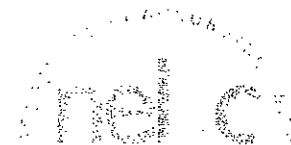
B-3@16'	06-11-1689-6	11/27/06	Solid	11/30/06	12/01/06	061130L03
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Parameter	Result	RL	DF	Qual	Units
Lead	1.30	0.50	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 11/30/06
Work Order No: 06-11-1689
Preparation: EPA 3050B
Method: EPA 6010B

Project: Garfinkle

Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-4@5'	06-11-1689-7	11/27/06	Solid	11/30/06	12/01/06	061130L03

Parameter	Result	RL	DF	Qual	Units
Lead	2.09	0.50	1		mg/kg

B-4@15'	06-11-1689-8	11/27/06	Solid	11/30/06	12/01/06	061130L03
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Parameter	Result	RL	DF	Qual	Units
Lead	1.28	0.50	1		mg/kg

B-5@5'	06-11-1689-9	11/27/06	Solid	11/30/06	12/01/06	061130L03
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Parameter	Result	RL	DF	Qual	Units
Lead	2.37	0.50	1		mg/kg

B-5@15'	06-11-1689-10	11/27/06	Solid	11/30/06	12/01/06	061130L03
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Parameter	Result	RL	DF	Qual	Units
Lead	1.20	0.50	1		mg/kg

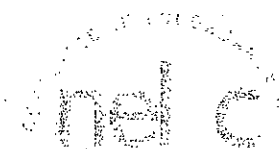
SC	06-11-1689-11	11/27/06	Solid	11/30/06	12/01/06	061130L03
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Parameter	Result	RL	DF	Qual	Units
Lead	1.97	0.50	1		mg/kg

Method Blank	097-01-002-8,423	N/A	Solid	11/30/06	12/01/06	061130L03
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Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.500	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Work Order Number: 06-11-1689

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.



2795 Second Street, Suite 300
 Davis, CA 95616
 Lab: 530.297.4800
 Fax: 530.297.4808

Cal Science Environmental
 7440 Lincoln Way
 Garden Grove, CA 92841
 714-895-5494

Lab No. **1689**

Page 1 of 2

Project Contact (Hardcopy or PDF to): **Erin Gates** EDF Report? Yes No Chain-of-Custody Record and Analysis Request

Company/Address: **Kiff Analytical, LLC** Recommended but not mandatory to complete this section:
 Phone No.: FAX No.: Sampling Company Log Code:
 Project Number: **4287** P.O. No.: **53536** Global ID:
 Project Name: **Garfinkle** EDF Deliverable to (Email Address): **inbox@kiffanalytical.com**
 Project Address: E-mail address: **inbox@kiffanalytical.com**

Sample Designation	Sampling		Container			Preservative				Matrix			Total Lead (EPA 6010)	Date due:	For Lab Use Only	
	Date	Time	VOA	Poly	Sleeve	Amber	Glass Jar	HNO3	H2SO4	Na2S2O3	ZnAc2 & NaOH	NONE				WATER
B-1@5'	11/27/06					1						X	X	X	X	
B-1@14'	11/27/06					1						X	X	X	X	
B-2@4'	11/27/06					1						X	X	X	X	
B-2@16'	11/27/06					1						X	X	X	X	
B-3@4'	11/27/06					1						X	X	X	X	
B-3@16'	11/27/06					1						X	X	X	X	
B-4@5'	11/27/06					1						X	X	X	X	
B-4@15'	11/27/06					1						X	X	X	X	
B-5@5'	11/27/06					1						X	X	X	X	
B-5@15'	11/27/06					1						X	X	X	X	

Relinquished by: <i>[Signature]</i> Kiff Analytical	Date: 11/27/06	Time: 1700	Received by:	Remarks:
Relinquished by:	Date:	Time:	Received by:	
Relinquished by: <i>[Signature]</i>	Date: 11/30/06	Time: 0800	Received by Laboratory: <i>[Signature]</i>	

Bill to: Accounts Payable



2795 Second Street, Suite 300
 Davis, CA 95616
 Lab: 530.297.4800
 Fax: 530.297.4808

Cal Science Environmental
 7440 Lincoln Way
 Garden Grove, CA 92841
 714-895-5494

Lab No. 1689

Page 2 of 2

Project Contact (Hardcopy or PDF to):
Erin Gates

EDF Report? Yes No

Chain-of-Custody Record and Analysis Request

Company/Address:
Kiff Analytical, LLC

Phone No.: _____ FAX No.: _____

Project Number: **4287** P.O. No.: **53536**

Project Name:
Garfinkle

Project Address: _____

Recommended but not mandatory to complete this section:
 Sampling Company Log Code: _____
 Global ID: _____
 EDF Deliverable to (Email Address):
inbox@kiffanalytical.com
 E-mail address:
inbox@kiffanalytical.com

Analysis Request										Date due:			
Total Lead (EPA 6010)											December 5, 2006	For Lab Use Only	
	X												X

Sample Designation	Sampling		Container					Preservative					Matrix		
	Date	Time	VOA	Poly	Sleeve	Amber	Glass Jar	HNO3	H2SO4	Na2S2O3	ZnAc2 & NaOH	NONE	WATER	SOIL	Air
SC	11/27/06						1					X		X	

Relinquished by: <i>[Signature]</i>	Date 11/29/06	Time 1900	Received by:	Remarks: Bill to: Accounts Payable
Relinquished by: <i>[Signature]</i>	Date	Time	Received by:	
Relinquished by: <i>[Signature]</i>	Date 11-30-06	Time 0800	Received by Laboratory: <i>[Signature]</i>	

ATTACHMENT 4

<p style="text-align: center;">SITE MAP</p>	<p>W.A. Craig, Inc. Environmental Contracting and Consulting</p>			6940 Tremont Road Dixon, California 95620-9603 (707) 693-2929 Lic. #455752 Fax (707) 693-2922		
	PROJECT: Garfinkle	PROJECT #: 4287	BORING #: B-1			
DRILLING CONTRACTOR: RSI	START: 8:30 FINISH: 10:00	DATE: 11/27/06				
DRILLING METHOD: Direct Push	TOTAL DEPTH: 16'	DEPTH TO WATER: 4.27'				
SAMPLER:	SCREEN INT:	CASING:				
HAMMER WT:	DROP:	FIELD GEOLOGIST: Whitney Bills				

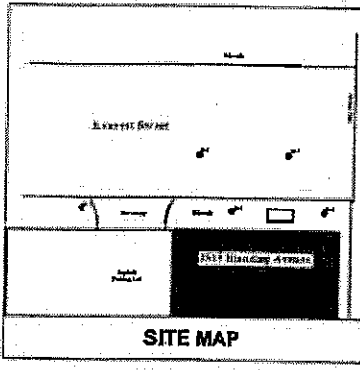
DEPTH (ft)	SAMPLE #	INTERVAL	BLOWS/6"	PID (ppm)	WELL CONSTRUCTION	USCS SYMBOL & LITHOLOGIC LOG	LITHOLOGIC DESCRIPTION <small>SOIL TYPE, GRAIN SIZE, COLOR, DENSITY, MOISTURE</small>
					▽	ML	4" concrete
5	B-1 @ 5'			0		ML	Hand auger to 5' Dark brown to black, wet, soft, silty clay with some fine sands.
10				0		SM	Gray brown, plastic, wet, silty clay with some fine sands.
15	B-1 @ 14'			0		SM	Gray brown, plastic, wet, slightly more stiff, silty clay with some fine sands. Gray brown, plastic, wet, very stiff, silty sand.
20				0			Green, very soft, silty sand with some coarse grained sand.
25				0			Light gray to brown, soft, silty sand with some coarse grained sands.
30				0			
35				0			
40				0			


NOTE: THE LINE SEPARATING STRATA REPRESENT APPROXIMATE BOUNDARIES ONLY. THE ACTUAL TRANSITION MAY BE GRADUAL. NO WARRANTY IS PROVIDED AS TO THE CONTINUITY OF THE SOIL STRATA BETWEEN BORINGS. LOGS REPRESENT THE SOIL SECTION OBSERVED AT THE BORING LOCATION ON THE DATE OF DRILLING ONLY.

	 W.A. Craig, Inc. Environmental Contracting and Consulting		6940 Tremont Road Dixon, California 95620-9603 Lic. #455752		(707) 693-2929 Fax (707) 693-2922
	PROJECT: Garfinkle	PROJECT #: 4287	BORING #: B-2		
DRILLING CONTRACTOR: RSI	START: 2:00	FINISH: 3:15	DATE: 11/27/06		
DRILLING METHOD: Direct Push	TOTAL DEPTH: 16'		DEPTH TO WATER: 5.00'		
SAMPLER:	SCREEN INT:	CASING:			
SITE MAP	HAMMER WT:	DROP:	FIELD GEOLOGIST: Whitney Bills		

DEPTH (ft)	SAMPLE #	INTERVAL	BLOWS/6"	PID (ppm)	WELL CONSTRUCTION	USCS SYMBOL & LITHOLOGIC LOG	LITHOLOGIC DESCRIPTION <small>SOIL TYPE, GRAIN SIZE, COLOR, DENSITY, MOISTURE</small>
0	B-2 @ 4'					ML	4" concrete
5					▽	ML	Hand auger to 6'
6						ML	Gray to brown, wet, soft, silty clay.
10						SM	Tan to greenish gray, wet, soft, silty clay at the top to sandy at the bottom.
15	B-2 @ 16'					SM	Gray to tan brown, wet, soft, slightly more stiff, silty sands.
20							
25							
30							
35							
40							

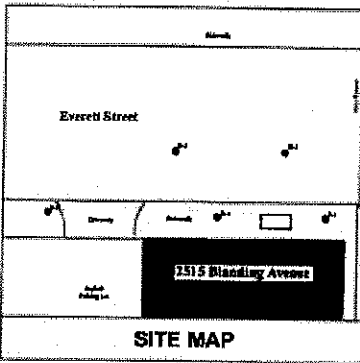
NOTE: THE LINE SEPARATING STRATA REPRESENT APPROXIMATE BOUNDARIES ONLY. THE ACTUAL TRANSITION MAY BE GRADUAL. NO WARRANTY IS PROVIDED AS TO THE CONTINUITY OF THE SOIL STRATA BETWEEN BORINGS. LOGS REPRESENT THE SOIL SECTION OBSERVED AT THE BORING LOCATION ON THE DATE OF DRILLING ONLY.




 W.A. Craig, Inc. Environmental Contracting and Consulting		6940 Tremont Road	
		Dixon, California 95620-9603	
PROJECT: Garfinkle		PROJECT #: 4287	BORING #: B-3
DRILLING CONTRACTOR: RSI		START: 3:15 FINISH: 4:30	DATE: 11/27/06
DRILLING METHOD: Direct Push		TOTAL DEPTH: 16'	DEPTH TO WATER: 5.24'
SAMPLER:		SCREEN INT:	CASING:
HAMMER WT:		DROP:	FIELD GEOLOGIST: Whitney Bills

DEPTH (ft)	SAMPLE #	INTERVAL	BLOWS/6"	PID (ppm)	WELL CONSTRUCTION	USCS SYMBOL & LITHOLOGIC LOG	LITHOLOGIC DESCRIPTION SOIL TYPE, GRAIN SIZE, COLOR, DENSITY, MOISTURE
0							4" concrete
5	B-3 @ 4'				▽	ML	Hand auger to 6' Black to dark gray, wet, soft, silty clay.
10						ML	Light tan to gray, wet, soft, silty clay.
15	B-3 @ 16'					SM	Brown to green, soft, wet, sandy-silty clay.
20						SM	Tan to light gray, wet, soft, silty sand.
25							
30							
35							
40							

NOTE: THE LINE SEPARATING STRATA REPRESENT APPROXIMATE BOUNDARIES ONLY. THE ACTUAL TRANSITION MAY BE GRADUAL. NO WARRANTY IS PROVIDED AS TO THE CONTINUITY OF THE SOIL STRATA BETWEEN BORINGS. LOGS REPRESENT THE SOIL SECTION OBSERVED AT THE BORING LOCATION ON THE DATE OF DRILLING ONLY.



 W.A. Craig, Inc. Environmental Contracting and Consulting		6940 Tremont Road	
		Dixon, California 95620-9603	
PROJECT: Garfinkle		PROJECT #: 4287	BORING #: B-4
DRILLING CONTRACTOR: RSI		START: 10:00 FINISH: 11:30	DATE: 11/27/06
DRILLING METHOD: Direct Push		TOTAL DEPTH: 15'	DEPTH TO WATER: 4.00'
SAMPLER:		SCREEN INT:	CASING:
HAMMER WT:		DROP:	FIELD GEOLOGIST: Whitney Bills

DEPTH (ft)	SAMPLE #	INTERVAL	BLOWS/6"	PID (ppm)	WELL CONSTRUCTION	USCS SYMBOL & LITHOLOGIC LOG	LITHOLOGIC DESCRIPTION SOIL TYPE, GRAIN SIZE, COLOR, DENSITY, MOISTURE
0							4" concrete
5	B-4 @ 5'				▽	ML	Hand auger to 6' Black to dark gray, wet, soft, silty clay.
10						ML	Light tan to gray, wet, soft, silty clay.
15	B-4 @ 15'					SM	Brown to green, soft, wet, sandy-silty clay.
20						SM	Tan to light gray, wet, soft, silty sand.
25							
30							
35							
40							

NOTE: THE LINE SEPARATING STRATA REPRESENT APPROXIMATE BOUNDARIES ONLY. THE ACTUAL TRANSITION MAY BE GRADUAL. NO WARRANTY IS PROVIDED AS TO THE CONTINUITY OF THE SOIL STRATA BETWEEN BORINGS. LOGS REPRESENT THE SOIL SECTION OBSERVED AT THE BORING LOCATION ON THE DATE OF DRILLING ONLY.

	W.A. Craig, Inc. Environmental Contracting and Consulting		6940 Tremont Road Dixon, California 95620-9603 Lic. #455752		(707) 693-2929 Fax (707) 693-2922
	PROJECT: Garfinkle	PROJECT #: 4287	BORING #: B-5		
DRILLING CONTRACTOR: RSI	START: 11:30	FINISH: 1:00	DATE: 11/27/06		
DRILLING METHOD: Direct Push	TOTAL DEPTH: 15'		DEPTH TO WATER: 4.36'		
SAMPLER:	SCREEN INT:		CASING:		
HAMMER WT:	DROP:	FIELD GEOLOGIST: Whitney Bills			

DEPTH (ft)	SAMPLE #	INTERVAL	BLOWS/6"	PID (ppm)	WELL CONSTRUCTION	USCS SYMBOL & LITHOLOGIC LOG	LITHOLOGIC DESCRIPTION SOIL TYPE, GRAIN SIZE, COLOR, DENSITY, MOISTURE
0							4" concrete
5	B-5 @ 5'				▽	ML	Hand auger to 5' Black to dark gray, wet, soft, silty clay.
10						ML	Gray to brown, wet, soft, silty clay.
15	B-5 @ 15'					SM	Light to dark gray, soft, wet, silty sand.
20						SM	Light brown, wet, soft, silty sand.
25							
30							
35							
40							

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