

HEATING OILTANK REMOVAL REPORT

October 24, 2003

1636 Trestle Glen Road Oakland, California

> Prepared For: Mr. Joseph Aldrigde 737 East 24th Street Oakland, California



HEATING OIL TANK REMOVAL REPORT

1636 Trestle Glen Road Oakland, California

Alameda County

ACC Project Number: 6769-001-00

NOV 2 4 2003

Environmental Health

Prepared for:

Mr. Joseph and Zella Aldridge 727 East 24th Street Oakland, CA 94606

October 24, 2003

Prepared by:

Edward Giacometti Staff Geologist

Reviewed by:

David R. DeMent, RG, REA II Environmental Division Manager

TABLE OF CONTENTS

1.0	INT	RODUCTION	Page
2.0	BAC	KGROUND	1
3.0	FIEL	D ACTIVITIES	
	3.1	Preparation.	. 1
	3.2	UST Removal	. 1
	3.3	Subsurface Conditions	.1
	3.4	Sample Conection	2
	3.5	Remedial Soil Removal	. 2
4.0	D ICO		
4.0	DISC	USSION	.3
J.0	COM	CLUSIONS	. 3
6.0	RECO	OMMENDATIONS	
			. 4
7.0	LIMI	TATIONS	_
			3
TAB	LES		
1 0	. '1 0		
1 - 5	on Sar	mple Analytical Results	2
FIGU	JRES		
1 - L	ocatio	п Мар	
	te Plan		
APPI	ENDI	CES	
1 - A	nalytic	cal Results and Chain of Custody Record	

HEATING OIL TANK REMOVAL REPORT 1636 Trestle Glen Road Oakland, California

1.0 INTRODUCTION

ACC Environmental Consultants, Inc., (ACC) was retained by Mr. Joseph and Zella Aldridge (Client) to coordinate and document the removal of one 350-gallon heating oil underground storage tank (UST) from 1636 Trestle Glen Road, Oakland, California (Site).

2.0 BACKGROUND

While preparing to sell the subject property, the Client identified a heating oil UST in the front yard of 1636 Trestle Glen, Oakland, California (Figure 1). The Client then contracted with ACC to coordinate, oversee and perform all heating oil UST removal activities. ACC obtained bids from three statelicensed tank removal contractors and selected DCM Construction & Services, of Dublin, California (DCM) to remove the UST.

3.0 FIELD ACTIVITIES

3.1 Preparation

Prior to field activities, DCM coordinated removal of the approximate 350 gallons of heating oil with a state-licensed disposal company and obtained the appropriate Oakland Fire Department (OFD) UST removal permit. ACC and DCM had onsite appropriate Health and Safety Plans for the removal activities. DCM performed all UST removal and backfill work under state contractor's license number 745353 in accordance with regulatory requirements. ACC documented the subsurface work during UST removal and closure procedures and performed the required confirmation soil sampling. The UST excavation and removal was observed by Mr. Hernan Gomez of the OFD.

Prior to UST removal, the tank was inerted with approximately 70 pounds of dry ice and internal vapors evaluated with the use of a lower explosion limit (LEL) meter. Following confirmation that the LEL and oxygen levels met acceptable criteria, the UST was removed with approval of the OFD.

3.2 UST Removal

DCM exposed and removed the UST on September 25, 2003. The UST was found to be perpendicular with Trestle Glen Road and located approximately 6 inches under the grass landscaping directly in front of the house (Figure 2). Upon removal, the steel UST was observed to be in fairly good condition with no holes and minor, uniform corrosion. The bottom of the UST sat at a depth of approximately 5.5 feet below ground surface (bgs). The UST and surrounding area is illustrated on Figure 2. Following collection of a second confirmation soil sample at 8.5 to 9.0 feet bgs, the hole was backfilled with overburden soil and clean fill materials, compacted, and the area restored. ACC understands that new sod will be placed over the area as part of house renovation and

landscaping. Upon removal, the UST was placed on the ground, cleaned with shovels, and examined for holes. As approved by OFD, DCM crushed the heating oil UST and hauled it offsite for disposal as scrap metal.

3.3 Subsurface Conditions

The soil observed within the excavation consisted of yellow brown to gray silty clay to a depth of 7.0 feet bgs. From 7.0 to 8.0 feet bgs, the soil contained increasing amounts of weathered bedrock and well cemented bedrock was observed at 9.0 feet bgs. Petroleum hydrocarbon odor consistent with heating oil and gray soil discoloration were noted in the soil from approximately 5.5 to 9.0 feet bgs. Soil discoloration and characteristic odor decreased rapidly with depth and distance from the center of the former UST. Small amounts of water were observed in the excavation perched on the bedrock but the water appeared to be from surface sources, not groundwater.

3.4 Sample Collection

With verbal approval of Mr. Hernan Gomez, ACC collected one representative sample underneath the vent line end of the heating oil UST on September 10, 2003. The sample was collected at 6.0 feet bgs, designated T1-V-6.0, and collected under the northeast end of the UST (opposite of the fill port). During removal activities on September 25, ACC collected a confirmation sample under the middle of the UST at 9.0 feet bgs designated T1-V-9.0. Both soil samples were collected in 2-inch-diameter brass liners. Upon their collection, the soil samples were immediately covered with Teflon® tape and tight-fitting plastic end caps, labeled pending transportation and submittal to STL San Francisco, Inc. (STL-SF), a state-certified analytical laboratory, under standard chain of custody protocol.

Sample locations are illustrated on Figure 2. According to Tri-Regional Guidelines, the samples were analyzed for benzene, toluene, ethyl-benzene, and total xylenes (BTEX) and for total petroleum hydrocarbons as diesel (TPHd). STL-SF was notified that heating oil was the primary suspect petroleum hydrocarbon. Analytical results are summarized in Table 1. Copies of analytical results and chain of custody records are included in the Appendix.

TABLE 1 - SOIL SAMPLE ANALYTICAL RESULTS

Sample No.	Date Sampled	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	TPHd (mg/kg)
T1-V-6.0	09/10/03	< 0.0050	< 0.0050	< 0.0050	< 0.0050	700
T1-V-9.0	09/25/03	< 0.62	< 0.62	< 0.62	< 0.62	4,400

Notes: $mg/kg = milligrams \ per \ kilogram = ppm = parts \ per \ million$

< Indicates the sample tested below the specified laboratory reporting limit

--- Sample not analyzed

RP Indicates results pending

3.5 Remedial Soil Removal

A limited quantity of discolored soil excavated during the collection of soil sample T1-V-9.0 was stockpiled on plastic and subsequently transferred to two 55-gallon steel drums on September 26, 2003. Based upon field observations and the initial sampling results, the OFD required this soil to be properly disposed offsite. ACC profiled and coordinated soil disposal with Integrated Wastestream Management (IWM), of Milpitas, California, a state-licensed contractor. ACC will forward a copy of the disposal certificates to the Client and OFD when they become available.

4.0 DISCUSSION

Analytical results of the soil samples collected in soil beneath the former UST removal indicate an impact from petroleum hydrocarbons as heating oil. BTEX concentrations were not reported in both confirmation soil samples. TPHd concentrations were reported in soil samples T1-V-6.0 and T1-V-9.0 at concentrations ranging from 700 to 4,400 ppm. Visual observations and the condition of the UST strongly indicate that unauthorized releases were due to overspillage. Impacted soil was observed to be fine-grained silts and clays and characteristic odor and soil discoloration were highly localized around and under the UST fill port. Potential vertical migration was minimized by the existence of shallow bedrock observed in soil across the bottom of the excavation at 9.0 feet bgs.

5.0 CONCLUSIONS

Based on field observations, analytical results, and work performed to date, ACC concludes:

- A minor, localized heating oil impact exists in the vicinity of the former UST but the source and the
 majority of impacted soil was successfully excavated and removed for offsite disposal;
- Impact to groundwater immediately adjacent to the former UST is not suspected due to the limited nature of the release and fine-grained native soils and bedrock limited potential subsurface migration;
- Future use of the site includes covering the former UST location with asphalt pavement which minimizes potential contact with any residual petroleum hydrocarbons;
- Residual petroleum hydrocarbons in the subsurface exhibit low toxicity, do not pose a threat to human health or the environment, and are expected to continue to decrease through natural attenuation processes; and
- Despite the lack of groundwater data, current subsurface conditions can be inferred with a high degree of confidence and ACC believes the Site should be evaluated for regulatory closure as a low-risk "soils-only" case.

6.0 RECOMMENDATIONS

Approximately 350 gallons of heating oil and the heating oil UST were successfully removed at the subject property. Cost-effective source removal has been conducted to the extent feasible. Based on field observations, analytical results of soil samples, and findings of work conducted during UST removal, ACC recommends that:

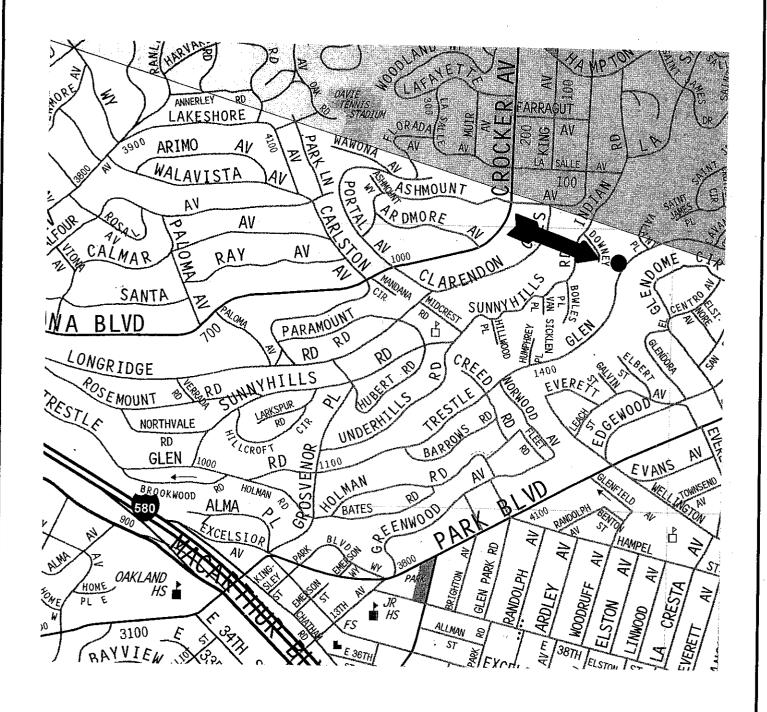
- No further investigation is warranted in the vicinity of the former heating oil UST;
- Relatively minor, residual concentrations of petroleum hydrocarbons in soil be allowed to naturally degrade; and
- The Site be evaluated for regulatory site closure.

7.0 LIMITATIONS

The service performed by ACC has been conducted in a manner consistent with the levels of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area. No other warranty, expressed or implied, is made.

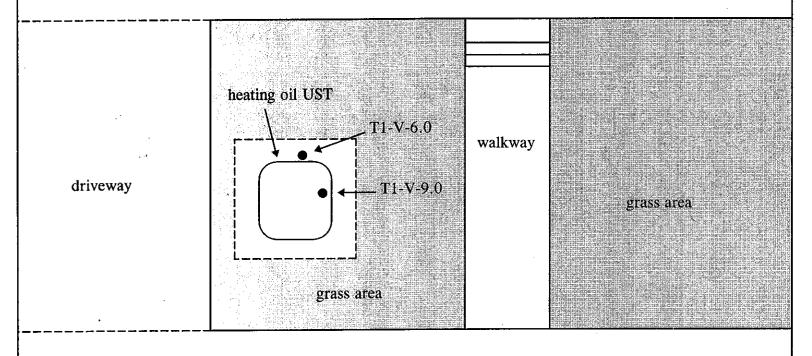
The conclusions presented in this report are professional opinions based on the indicated data described in this report and applicable regulations and guidelines currently in place. They are intended only for the purpose, site, and project indicated. Opinions and recommendations presented herein apply to site conditions existing at the time of our study.

ACC has included analytical results from a state-certified laboratory, which performs analyses according to procedures suggested by the U.S. Environmental Protection Agency and the State of California. ACC is not responsible for laboratory errors in procedure or result reporting.



Source: Thomas Guide, Bay Area 2002

Title: 1636 Trestle Glen Road Oakland, California						
Figure Number: 1	Scale: None					
Project No: 6769-001.00	Drawn By: TRB					
A·C·C	Date: 10/14/03					
ENVIRONMENTAL CONSULTANTS	N A					
7977 Capwell Drive, Suite 100 Oakland, California 94621 (610) 638-8400 Fax: (810) 638-8404	W F S					



public sidewalk

grass area

Trestle Glen Road

Legend

• ACC Soil Sampling Locations

UST Removal Excavation Area

Title: Site Plan 1636 Trestle Glen Road Oakland, California						
Figure Number: 2	Scale: 1" = 5'					
Project No: 6769-001.00	Drawn By: EJG					
A • C • C	Date: 10/21/03					
ENVIRONMENTAL CONSULTANTS	P ² E					
7977 Capwell Drive, Suite 100 Oakland, California 94621 (510) 638-8400 Fax: (510) 638-8404	W S					



Submission#: 2003-09-0390

ACC Environmental Consultants

September 21, 2003

7977 Capwell Drive, Suite 100 Oakland, CA 94621

Attn.:

Dave DeMent

Project#: 6769-001.00

Project:

1636 Trestle glen

Dear Mr. DeMent.

Attached is our report for your samples received on 09/11/2003 17:10 This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/26/2003 unless you have requested otherwise.

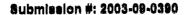
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: vvancil@stl-inc.com

Sincerely,

Vincent Vancil

Project Manager





ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle glan

Received: 09/11/2003 17:10

Samples Reported

Sample Name	Date Sampled	Made	Lab#
T1-V-6.0	09/10/2003 16:30	Soil	1





ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle glen

Received: 09/11/2003 17:10

Prep(s):

3550/8015M

Test(s):

8015M

Sample ID: T1-V-6.0

2003-09-0390 - 1

Sampled: 09/10/2003 16:30

Lab ID:

9/15/2003 16:13

Matrix:

Soil

Extracted:

QC Batch#: 2003/09/15-07.10

					•	
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	700	5.0	mg/Kg	5.00	09/19/2003 13:58	ndp
Surrogate(s)		İ				
o-Terphenyl	NA	60-130	%	5.00	09/19/2003 13:58	sd





ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

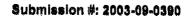
Project: 6769-001.00

1636 Treatle gien

Received: 09/11/2003 17:10

	alter and a large section (1985)		
	L		a natural magnificación de la companya de la compa
되었다. 그리고 이를 하는 사람이 그 생물을 다른 사람들이 하를 수 있는 사람들이 없다.	Batch QG	NO DO N	
그리다 하다 하다 하다 하는 사람들은 사람들이 가장 하는 사람들이 되었다.			· · · · · · · · · · · · · · · · · · ·
	[[] 指述。[[] 9] 5 4 连翘	일하는 나라 요즘 그런 경험이는 화가를 가게 되었다.	Test(s): 8015M
Prep(a): 3550/8015M	. A resultation of management	PEDE EXTENDED ALS SEGMENTS	
。在文教的PPERFREEDUNGS 在美国人名"文学等","这个"文","这个文","这一","这一","这一","这一","这一","这一","我们是一个"	6-1		C Batch # 2003/09/15-07.10
Method Blank	Sol		
Manico Manic			
조리장 선물은 여름을 하게 된 일반으로 있는 일 그릇을 다시다. 그 이 이렇게 된	한 일본 보험한 회율인 문항	Control of the contro	Extracted: 09/15/2003 16:13
MB: 2003/09/15-07.10-001		radio de la composição de	PWINDS AND AND A STREET
AIM COOLOGIA OF A LEGICAL CONTRACTOR	 1.186 (1971) 11 (1988) 	· 医乳头 医二氏性 医二氏性 医二氏性 医二种性 医二种性 医二种性 医二种性 医二种性 医二种性 医二种性 医二种	

Compound	Conc.	RL 1	Unit mg/Kg	Analyzed 09/16/2003 20:58	Flag
Diesel Surrogates(s) o-Terphenyl	92.6	60-130	%	09/16/2003 20:58	





Diesei

ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

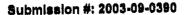
Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Treatle glen

Received: 09/11/2003 17:10

				Batch QC R	port			ki a ki da ka	0.F (4.F	nijk progra	
Prep(s):	3550/8015M									Test(s):	8015M
Labora	ory Control Spl	ke		Soll			Q	C Batch	1#200	3/09/1	5-07,10
LCS LCSD	2003/09/15-07 2003/09/15-07	467-161		Extracted: Extracted:	48.28.0733.514			Analyza Analyza	succession of the	SNEDSYKES WERE	22 C 10 11 11 11 11 11 11 11 11 11 11 11 11
Compound	!	Conc.	mg/Kg	Exp.Conc.	Rec	overy %	RPD	Ctrl.Lin	nits %	Flo	ags
		LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesei		40.1	40.0	41.5	96.6	96.4	0.2	60-130	25	W W W W W W W W W W W W W W W W W W W	
Surrogate o-Terpheny	• •	19.5	19.6	20.0	97.4	98.0		60-130			





ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle glen

Received: 09/11/2003 17:10

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

80

Surrogate recovery not reportable due to required dilution.



Submission #: 2003-09-0390

8021B-BTEX

ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle glen

Received: 09/11/2003 17:10

Samples Reported

Sample Name	Date Sampled	Matrix	Lab#
T1-V-6.0	09/10/2003 16:30	Soil	1





8021B-BTEX

ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle glen

Received: 09/11/2003 17:10

Prep(s);

5035

Sample ID: T1-V-6.0

Sampled: 09/10/2003 16:30

Matrix: Soll

Test(s):

8021B

2003-09-0390 - 1 Lab ID;

Extracted:

9/12/2003 21:51

QC Batch#: 2003/09/12-01:04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	09/12/2003 21:51	
Toluene	DN	0.0050	mg/Kg	1.00	09/12/2003 21:51	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/12/2003 21:51	
Xylene(s)	ND	0.0050	mg/Kg	1.00	09/12/2003 21:51	
Surrogate(s)		ŀ				
Trifluorotoluene	58.0	53-125	%	1.00	09/12/2003 21:51	



Submission #: 2003-09-0390

8021B-BTEX

ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (610) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle glen

Received: 09/11/2003 17:10

			рo	

Prep(s): 5035 Method Blank

MB: 2003/09/12-01.04-003

Soil

Test(s): 8015M

QC Batch # 2003/09/12-01.04

Date Extracted: 09/12/2003 08:30

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	09/12/2003 08:30	
Toluene	ND	0.0050	mg/Kg	09/12/2003 08:30	
Ethyl benzene	מא ו	0.0050	mg/Kg	09/12/2003 08:30	
Xylene(s)	ND	0.0050	mg/Kg	09/12/2003 08:30	
Surrogates(s)					
Trifluorotoluene	96.0	53-125	%	09/12/2003 08:30	





8021B-BTEX

ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle glen

Received: 09/11/2003 17:10

Baton de Rapon	
Prep(a): 5035	Test(s): 8021B
Laboratory Control Spike Soil LCS 2003/09/12-01.04-004 Extracted: 09/12/2003 LCSD 2003/09/12-01.04-005 Extracted: 09/12/2003	Analyzed: 09/12/2003 09:01 Analyzed: 09/12/2003 09:32

Commound	Conc. mg/Kg		Exp.Conc. Recovery %		RPD	Ctrl.Limits %		Flags		
Compound	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene Toluene Ethyl benzene Xylene(s)	0.0995 0.0990 0.0979 0.287	0.0982 0.0976 0.0966 0.284	0.1000 0.1000 0.1000 0.300	99.5 99.0 97.9 95.7	98.2 97.6 96.6 94.7	1.3 1.4 1.3 1.1	77-123 78-122 70-130 75-125	35 35 35 35		
Surrogates(s) Trifluorotoluene	498	477	500	99.6	95.4		53-125			

SEVERN
TRENT
SERVICES

STL San Francisco

Chain of Custody

1220 Quarry Lane ● Pleasanton CA 94566-4756 Phone: (925) 484-1919 ● Fax: (925) 484-1096 Email: 10@stl-10.50 Reference #: 77088

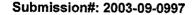
Date 9/11/03 Page 1 of 1

MEDOIL TO									_	,		T .		An	alysis	Requ	ıest									
Attn: DAVID DEM									anol					ဆဆ							iL.					
Company: ACC E					VTS	260B	_	a Gel	18TE)		(\$20		Ę	608 1 608	2		SCR ₈		Q,	aję.						
Address: 7977 CA			SUITE 1	00		0 0 N	8260	Sile	Gas C	, s	S		☐ Petroleum ☐ Total	r .	1 8310				for H	☐ Alkatinity ☐ TDS	NO.					
Email: ddement@						1,805 EX	tics 21 🗆	### Control Co	MS 625	70 C	70 F 471) LUF	SO ₄ E		$ \cdot $			SIS									
Bill To: TREVOR	Sampl	ed By:	\	1	h.A	C 8015/8021 C 8260B C BTEX C MTBE	S S	3015l Moto	1 8260 ates [aloce A 80	anics 3B [Š.	Se [□ 8270	ls 4707	ag	STL	lent (- pud			Se	. [ntailu
Alto: TREVOR	Attn: TREVOR Phone: (510) 638-8400 / 8404 FAX			EAV	,	Purgeable Aromatics BTEX EPA - X 8021 🖂 82608	TEPH EPA 8015M ☐ Silica Gel	Fuel Tests EPA 8260B: Closs CL BTEX Cle Five Oxyenates CL DCA, EDB CL Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS	Oil and Grease (EPA 1664)		1	CAM17 Metals (EPA 6010/7470/7471)	Metals; ☐ Lead ☐ LUFT ☐ RCRA	W.E.T (STLC) TCLP	Hexavalent Chromium pH (24h hold time for H ₂ O)	Spec Cond. TSS	<u> </u>		0			Number of Containers	
Sample ID	1					TPH EPA	urge	EPH	el Tes Five (gg	olatile EP/	EP/	PA 1	Pesticides PCBs	PNAs by	PA 60	stals:	3 F	<u>፲</u> ፰	ॐ≌	Anions					nper
		Date 9/	Time	Mat	Pres erv.	⊢ ⊔		F	교미	<u> </u>	>	ÖΠ	<u>o</u> m	P.P.	ł.	26	žO	00	00	00	₹					N
T1-V-	6,0	9/10/03	16:30	5	Cold	<u> </u>																	\bowtie			T
						-							·													
		<u> </u>		_	-																					
																								-		
	_																									\dashv
																									_ -	\dashv
																										\dashv
																										\dashv
Project	Info.		Samp	ole R	eceipt			1) Re	inquish	ed by:				2) R	elinquis	shed by:	:			3)	Relinqu	ished b	,y:	\nearrow		-
Project Name:	o coto	Cla	# of Co	ntaine	rs:	-		<u> </u>	<u>ے۔</u>		<u>)</u> .e	7	-						_		/	M) f		17	10	
			Head S	pace:				Signa				Time	4	Sign	ature		-	Ti	ne	Si	gnáture	,		T	ime	
6769-	00(.1	00	T					DAV	ID DE d Name	MENT	- (7/11/ Dat		Print	ed Nan	<u></u>	<u> </u>		ate	- -	5	Mari	W	<u> </u>	103	-
			Temp:		4.9	3							te	' ' ' ' '	cu man	iie		u	ale	Pr	inted N	ame	ئىر بر	/ /1	Date ′	
Credit Card#:			Conform	ns to r	ecord:			Comp	ENVI anv	RONN	MENT/	<u> </u>		Com	pany	<u>-</u>				- c a	mpany	12	32		 	
T Std 5	1 -		Other:	•					eived	NC /) 	2) D		1 .						1	<u> </u>	Λ		
A Day 72h	48h	24h						ان از از	21100				/ -> 1	2) Ri	eceived	ı by:				3)	Receive			1-	ZIM	
Report: Routine Special Instructions /	Level :	3 Leve	14 □ E	DD	☐ State Ta	nk Fund E	DF	Signal	ure		T	Time	<u> </u>	Sign	ature			Tir	ne /		nature	4//	24	$\frac{l}{\tau}$.
			,		□ Global ID		-	. /	5/h	1110	10 9	///	117					٠.,				İλΑ	NO	ع کملا		> ts
Soil is	ais	2010	rek	An	IL F	A 3		Printe	Name			Dat	é /	Print	ed Nan	ne		D	ate	{ 	nted Na				Date	1
Slight P	e7/2	leun	1 0	do	r, e	xpec	<i>x</i>	<u>_</u>	[[<u> </u>	<i>J </i>	تــــــــــــــــــــــــــــــــــــ								_ <	7	L =	> R	-		
Slight P Weather	ا کارہ	hoar	1	λ.;	ĺ	٠		Comp	any					Com	pany					Co	mpany					
0-011100	 /	7	727	-	F ,									<u> </u>											Rev 01/02	2



STL San Francisco

Samp	ple Receipt Checklist
Submission #:2003- <u>19</u> - <u>1397</u>	<u>) </u>
Checklist completed by: (initials) Date: 09	1,12,703
Courier name: 🗗 STL San Francisco 🛮 Client	Not 1
Custody seals intact on shipping container/samples	YesNoPresent
Chain of custody present?	Yes_No
Chain of custody signed when relinquished and received	YesNo
Chain of custody agrees with sample labels?	Yes_C_No
Samples in proper container/bottle?	YesNo
Sample containers intact?	YesNo
Sufficient sample volume for indicated test?	YesNo
All samples received within holding time?	YesNo
Container/Temp Blank temperature in compliance (4° C	± 2)? Temp: Yes No
	Ice Present Yes No
Water - VOA vials have zero headspace?	No VOA vials submitted Yes No
Water - pH acceptable upon receipt? ☐ Yes ☐ No	nd itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O)
— h	CI □ H ₂ SO ₄ □ NaOH □ ZnOAc –Lot #(s)
For any item check-listed "No", provided detail of d	discrepancy in comment section below:
Comments:	
Project Management [Routing for instr	ruction of indicated discrepancy(ies)]
Project Manager: (initials) Date:	
Client contacted: ☐ Yes ☐ No	
Summary of discussion:	
<u> </u>	
Corrective Action (per PM/Client):	
Corrective Action (per Financhian).	





ACC Environmental Consultants

October 03, 2003

7977 Capwell Drive, Suite 100 Oakland, CA 94621

Attn.:

Dave DeMent

Project#:

6769-001.00

Project:

1636 Trestle Glen

Dear Mr. DeMent,

Attached is our report for your samples received on 09/26/2003 17:40

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/10/2003 unless you have requested otherwise.

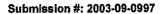
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: vvancil@stl-inc.com

Sincerely,

Vincent Vancil

Project Manager





ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

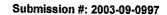
Project: 6769-001.00

1636 Trestle Glen

Received: 09/26/2003 17:40

Samples Reported

Sample Name	Date Sampled	Matrix	Lab#
T1-V-9.0	09/25/2003 11:15	Soil	<u>'</u>





ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle Glen

Received: 09/26/2003 17:40

Prep(s):

Sample ID:

3550/8015M

T1-V-9.0

Test(s):

8015M

Lab ID:

2003-09-0997 - 1

09/25/2003 11:15

Extracted:

9/30/2003 11:52

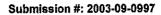
Sampled: Matrix:

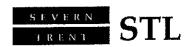
Soil

QC Batch#:

2003/09/30-02:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	4400	25	mg/Kg	25.00	10/02/2003 02:18	ndp
Surrogate(s)						'
o-Terphenyl	NA	60-130	%	25.00	10/02/2003 02:18	sd





ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle Glen

Received: 09/26/2003 17:40

			representation of the control of the
		di Cartinia, e Princia y Princia del Mille Salor (del Trata) del Cartinia del Cartinia del Cartinia del Cartini	'등도로 사용 공지 가능이 하고 한다. 회원에 회사를 받았다고 되었는데 되는 한 분석을 모인 그림이 되어 하는데 이 기업하다.
DOMESTING AND AND AND THE PROPERTY OF THE PROP	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	William States Market and Control of the Control of	William David Control (State Control (State Control Co
그들의 바다 살 됐었다. 선생님은 그 사고 그는 가지 하지 않는데 나를 바다 하는 그는 그는 그는 그를 가지 않는데 살다.		NEEDLE COMPANY CONTRACTOR OF THE PROPERTY OF	8. Par. 在4. 一套的工具 化过滤器 2000年,经济企业的企业,但19. Par. 19. Par. 1
그 지하면 전성 전 점점 하는 사람들이 가는 그는 것이 되었다. 그는 그는 그는 그를 보는 것이 되었다. 그는 그를 보고 있다.	Batch QC Re	inometric de la companya de la companya de la companya de la companya de la companya de la companya de la comp	料理 げつしき 知ら かけほど 金銭買い いいぶりょ ちゃくじき そうばし しゅうしい サービス 田田 田田
in tradición ellega a tradición a come este en el como de la formada de la come el come en característico de l			
 All and the Country of State li>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
PROBED AND TAKEN BY HER SIDEN TO BUSINESS OF THE PROPERTY OF T		的复数复数 经收益 化二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	
1.1 May 10 1 May 189 E. F. 189 F. 11 M. 11 L. 12 F. 13 F. 14 F. 15 F. 17 F. 17 F. 17 F. 17 F. 17 F. 17 F. 17 F		And the second of the second of the second	1. [1] [1] [1] [2] [2] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4
THE SECOND SECURITION OF THE SECOND S	A STATE OF THE STATE OF THE STATE OF	THE RESERVE AND ADMINISTRATION OF THE SECOND	· · · · · · · · · · · · · · · · · · ·
A CONTRACT A CARACTER AND A CONTRACT	ing the first settled as the contract	HER 1 1 4 4 14 14 14 14 14 14 14 14 14 14 1	Test(s): 8015M
Prep(s): 3550/8015M	and the second of the second of the second	The second of th	103031.001010
Figure 1. Cocorcon circ		and the contract of the contra	
- A 1 - A 200 (2 P. 2) (2 P. 2) (2 P. 2) (3 P. 2) (3 P. 2) (3 P. 2) (4 P.	15 A. A. M.		 (*) 172 (4) (2004) (4) (2004) (4) (400) (500) (
A CHANGE TO A SECURE OF THE CONTROL			QC Batch # 2003/09/30-02.10
- 1 (A) (1 (A) - 2 (A) (A) (A) (A) (A) (A) (A) (A) (A) (A)	Soll	and the second of the second o	CUC HATCH # ZUDA/U9/AU*UZ. TU
Method Blank	3011		
modica Diank		Historia in the first term of the contract of	그 하는 역사님의 집에 가장 사람들이 가장 하는 것이 하는 것이 없는 것이 없는 것이 없는 것이다.
of the chargest NASA SAND MARK to all the contracts of the contract of the con	(c) 1 (d) 2 (d) 1 (d)	Carlotte Control of the Control of t	and the commence of the seal of the first of the state of the seal
A DECEMBER AND ADMINISTRATION OF THE PROPERTY	to a contract of the following	331 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1	a russa, hi projektipa avat parament, kuraturiot adalembie del perturbi e late, e
· 15 11 计多位数数据数据数据数据 15 15 6 4 4 4 4 4 4 4 4 1 1 1 1 1 1 1 1 1 1 1			Par Paratal 00/20/0002 11 E2
MB: 2003/09/30-02 10-001	the first of the second of the		Date Extracted: 09/30/2003 11:52
MARCZDUMANISMOUPUZ. TU-UUT	1 2 19 1	A 1 A 1 A 2 M A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A	

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/30/2003 18:59	
Surrogates(s)					
o-Terphenyl	88;0	60-130	%	09/30/2003 18:59	



Submission #: 2003-09-0997

Diesel

ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle Glen

Received: 09/26/2003 17:40

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2003/09/30-02.10

LCS

2003/09/30-02.10-002

Extracted: 09/30/2003

Analyzed: 09/30/2003 19:29

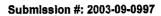
LCSD

2003/09/30-02.10-003

Extracted: 09/30/2003

Analyzed: 09/30/2003 20:00

Compound	Conc.	Conc. mg/Kg		Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	35.6	37.4	41.4	86.0	90.3	4.9	60-130	25		
Surrogates(s) o-Terphenyl	18.6	18.6	20.0	93.0	92.9		60-130	0		





ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100 Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle Glen

Received: 09/26/2003 17:40

Legend and Notes

Result Flag

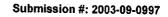
ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sd

Surrogate recovery not reportable due to required dilution.

Severn Trent Laboratories, Inc.





ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle Glen

Received: 09/26/2003 17:40

Samples Reported

Sample Name	Date Sampled	Matrix	Lab#
T1-V-9.0	09/25/2003 11:15	Soil	1



ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle Glen

Received: 09/26/2003 17:40

Prep(s):

5030

Test(s):

8021B

Sample ID:

Lab ID:

2003-09-0997 - 1

Sampled:

T1-V-9.0

09/25/2003 11:15

Extracted:

10/2/2003 11:41

Matrix:

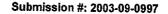
Soil

QC Batch#:

2003/10/02-05.01

Analysis Flag: Irn (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.62	mg/Kg	1.00	10/03/2003 11:41	
Toluene	ND	0.62	mg/Kg	1.00	10/03/2003 11:41	
Ethyl benzene	ND :	0.62	mg/Kg	1.00	10/03/2003 11:41	
Xylene(s)	ND	0.62	mg/Kg	1.00	10/03/2003 11:41	
Surrogate(s)						
Trifluorotoluene	129.2	53-125	%	1.00	10/03/2003 11:41	sh





ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle Glen

Received: 09/26/2003 17:40

	Batch QC Report
Prep(s): 5030	Test(s): 80.15M
Method Blank	Soil QC Batch # 2003/10/02-05.01
MB: 2003/10/02-05.01-001	Date Extracted: 10/02/2003 07:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzene	ND	0.62	mg/Kg	10/02/2003 07:06	
Toluene	ND	0.62	mg/Kg	10/02/2003 07:06	
Ethyl benzene	ND	0.62	mg/Kg	10/02/2003 07:06	
Xylene(s)	ND	0.62	mg/Kg	10/02/2003 07:06	
Surrogates(s)					
Trifluorotoluene	100.8	53-125	%	10/02/2003 07:06	





ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

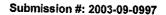
Project: 6769-001.00

1636 Trestle Glen

Received: 09/26/2003 17:40

		Batch QC	Report	urunggangun geri sengan binggan bin di diberah selebah selebah selebah selebah selebah selebah selebah selebah Sengal binggan selebah selebah selebah selebah selebah selebah selebah selebah selebah selebah selebah selebah
Prep(s):	5030			Test(s): 8021B
Laborato	ry Control Spike	Sc		QC Batch # 2003/10/02-05.01
LCS	2003/10/02-05,01-002	Extracted	10/02/2003	Analyzed: 10/02/2003 10:39
LCSD	2003/10/02-05.01-003	Extracted	10/02/2003	Analyzed: 10/02/2003 11:10

Compound	Conc.	mg/Kg	Exp.Conc.	Rec	overy %	RPD	Ctrl.Lim	its %	Flags		
Compound	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD	
Benzene	0.106	0.110	0.125	84.8	88.0	3.7	77-123	35			
Toluene Ethyl benzene	0.106 0.108	0.111 0.113	0.125 0.125	84.8 86.4	88.8 90.4	4.6 4.5	78-122 70-130	35 35			
Xylene(s)	0.327	0.338	0.375	87.2	90.1	3.3	75-125	35			
Surrogates(s) Trifluorotoluene	426	427	500	85.2	85.4		53-125	0.			





ACC Environmental Consultants

Attn.: Dave DeMent

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Phone: (510) 638-8400 Fax: (510) 638-8404

Project: 6769-001.00

1636 Trestle Glen

Received: 09/26/2003 17:40

Legend and Notes

Analysis Flag

Irn

Reporting limits raised due to high level of non-target analyte materials.

Result Flag

sh

Surrogate recovery was higher than QC limit due to matrix interference.



STL San Francisco

Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 484-1006
Phone: (925) 484-1006

Reference # <u>79213</u>

Date Sept. 24, 203 Page ____ of ____

			12.5	: 1000 - 1000		Ji.,		A CONTRACTOR OF THE PARTY OF TH					A	Ame	منستم	Requ	mar a	The state of the s	1,443	107011		***************************************				1
Report To														/*\\$ i t	alysis	NGUL	ಎ೨೯		e comp	F						
Alta: DAVID DEMENT							1	¥		~			608			S (0000 1111			ii.				***************************************		
Company: ACC EN	VIRONN	IENTAL (CONSU	ILTAN	TS .	88E		5 J	18 C		VOCs		C Petroloum C Tetal	00	8310		ACH.		= 1.00 1.00	Alkalinity TOS	ON CO ON CO					and the contract of the contra
Address: 7977 CAPWELL DRIVE, SUITE 100					D D	83	80	38	Se .	163 (24		O TO	0PA 8081 EPA 8082	D	_	I L		omic no fo	≨ ₽	ā				1		
Email: ddement@accenv.com				85	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	□ ō	22	2. to	000	GCANS [] 625	00	PAS	6270	747	316	9	55	00	000 000 000		~			Juen		
BII To: TREVOR	BILTO: TREVOR Samples By: DeMent					CORORNOS CORREGE	Pugeuble Aromatica atex ena - Xeon II szoa	TEPH EPA BOYGM CI Silloa Gal CI Diseal CI Malor Oli CI Oliner	Fusi Tosts EPA 6260B; D. Gos CI BTEX CI Five Oxygrafos CI DOX, 678 CI Ethonal	Purgonblo Habbarbons (HVOCs) EPA 8021	Volatie Organics GCNV3 (VDCs) EPA 82808 ED 624	Semivolatiles GC El EPA 8276	Oil and Greaso (EPA 1664)		a	CAM17 Metals (EPA 6010/7470/7471)	Metals: CI Lead CI LUFT CI RCPA	W.E.T (STLC) TOLP	Hexavalent Chromlum pH (24th had Ilmo for H4O)	Spec Cord Tas	5 m	a 0	3			Number of Containers
Attn: TREVOR	Phone:	(510) 638	-8400	8404	FAX	TPH EPA D Gas w	90	100	# 6 # 6	S S	PA 8	PA	M 166	Pesticides PCBs	PNAs by	15 A	als: C	32	£.2	8,50	1 2		广		****	atter o
Sample ID	Renaultana Sanga	Date	Time	Mai Tòx	Pres ery.	Fa	P. S.	20	35	£	§ 0	80	Ö	52	NA.	36	20	م و	00	00	Anims		<u></u>			Ž
T1-V-9	'n	9/25/03	/1:15		44		X			**************************************								ĺ					$\supset \langle$		<u> </u>	1
				-		1			OPPOSITOR OF THE PROPERTY OF T	-				XI'4424-A				1								
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>																						
			**************************************		1	 	<u>.</u>	ti indentari	Nielsk reessaar same			ere en esta esta esta esta esta esta esta esta	*********									<u> </u>		-		
				<u> </u>	<u> </u>	<u> </u>				**************************************								<u> </u>		- Elisa Company						
			************			1	_			***********				·**********												
				 	ļ	-	<u> </u>							······································	CANADAN SOLDS BEIN			ļ	-			<u> </u>			and of the last	_
				ļ												<u> </u>		<u> </u>	a de la composição de la composição de la composição de la composição de la composição de la composição de la	***************************************	ļ					
				ace Marie						·					***************************************			***************************************			<u> </u>					
				e de la composition della comp			duranger value						:												strenger,	
					1		1			- Argument professorceds:																
Project	irein		Sami	nie R	(aceip	4		/17 Re	Eccuish	cp Dy.	······································			2) F	telinqui	shed by			<i></i>	[3)	Reling	ushed t	y:			•
Project Name:		. T	# of Co			·	1	11	_)	7)z.	4			L,	130	, L	Market Market	77	0						loto-ministra
Project Name: 1636 Tres	de G	Par		ij kresona na na na na	***************************************			Signature Time					Sign	Signature Time					1 "	Signature Time						
Project# 6761-00		- de de de de de de de de de de de de de	Head S	ipace:	· ·			DAVID DEMENT 9/26/03						12	Printed Name Date						And the state of t				and the second	
FO#			Temp:		-		-242.0		d Nam		******************	Da	e	Prin	Printed Name Date						Printed Name Date					WV COLUMN
				CONTRACTOR OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADD	Z.j.	1		ACC	ENV	RONI	MENT.	ĄĮ		-	1/4											
Credit Card#:			Confor	ms 10	record:			Com			-	- Carrier		i Coi	noany					1	ompany	r				auade, joje
I VSIO 5 Y			Other:		ANKEN YANGSON			1) Re	celved	×./		and the second	<u> </u>	2) F	leceive	d by:	***************************************	*****		3)	Receiv	ed by:	ř	*****************	·····	
A Day 72h	48h	24h							7 1/2	The same	Andrew Market	11	~	- 1							Nougal 1740					-ecpression
Report Rouse								Sign	yro_	A STATE OF THE PARTY OF THE PAR		Tim	ð.	Sign	iature	***************************************	***************************************	Ti	me	5	Grature		<u> </u>		ime	-
					B	Mo.	11111	,	1/2	6/14	> very						ngi quaqui i	Nouna 6 9/26/03								
Sample has odor + discoloration Previous Analysis reported 700 ppm TPAL, ND BIEX (Submission 09-390) Expect similar				Printed Name Call					Printed Name Date					P	Printed Name Date											
נובקיים	ger (er	~ ; * `	001		1	" دخورستون			57		1												\$		***************************************	
(SU6 MISS	01_ C	/1-5	(טי		xpe.	64 <i>>11</i>	milar 1	Com	sany					Con	npany					10	ompany	F				MCO-CO-CO-CO-CO-CO-CO-CO-CO-CO-CO-CO-CO-C
results					-5:	Maria de la companya						ĺ											Rec 59	482		