Alameda County

FEB 2 5 2004

Environmental Mealth

UNDERGROUND STORAGE TANK
REMOVAL REPORT
SBC FACILITY
2610 NORBRIDGE AVENUE
CASTRO VALLEY, CALIFORNIA

Prepared for:

SBC P.O. Box 5095 2600 Camino Ramon, Room 3E400GG San Ramon, California 94583

Prepared by:

Shaw Environmental, Înc. 4005 Port Chicago Highway Concord, California 94520

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Sydney deels

Project Manager/Quality Assurance

Shaw Project No. 844915.30

February 2004

Table of Contents_____

List	t of Tables	ii
List	t of Figures	ii
List	t of Appendices	iii
1.0	Introduction	
	1.1 Site Description	1
2.0	UST Removal Field Activities	1
	2.1 Tank Removal	1
	2.2 Sampling Activities	
	2.3 Sample Analyses	3
	2.4 Groundwater Sample Analytical Results	3
	2.5 Soil Sample Analytical Results	4
3.0	Site Restoration	4
4.0	Conclusions	4
	4.1 Reporting Requirements	. 5

List of Tables_____

Table	Title
1	Groundwater Sample Analytical Results
2	Soil Sample Analytical Results

List of Figures_____

Figure	Title
1	Site Vicinity Map
2	Site Plan
3	Site Plan with Groundwater Sample Analytical Results (December 11, 2003)
4	Site Plan with Soil Sample Analytical Results (December 11, 2003)

List of Appendices_____

Appendix	Title
A	Tank Removal Permit and State Forms
В	Hazardous Waste Manifest for Rinsate Disposal
C	Hazardous Waste Tank Closure Certification
D	Hazardous Waste Manifest and Certificate of Destruction for the UST
E	Laboratory Reports and Chain of Custody Forms

1.0 Introduction

On behalf of SBC (formerly Pacific Bell), Shaw Environmental, Inc. (Shaw) was contracted to provide and operate equipment to excavate and provide environmental consulting services during the removal of one 10,000-gallon gasoline underground storage tank (UST) from the SBC facility located at 2610 Norbridge Avenue, Castro Valley, California (Figure 1). SBC's alliance architect subcontracted RHL Design Group, Inc. (RHL) to provide engineering and permitting services. UST removal work discussed in this report was completed in compliance with local and state regulatory requirements in December 2003.

1.1 Site Description

The SBC property is located in a predominantly commercial area of Castro Valley, California. Four buildings are located throughout the property. The remainder of the site is paved and used for vehicle parking and equipment storage (Figure 2).

On the southern portion of the site was a 10,000-gallon gasoline UST used for fueling the SBC fleet vehicles. As SBC has decided to remove the majority of their fleet fueling systems, the UST was scheduled for removal.

1.2 Permits

Prior to initiation of excavation activities, RHL obtained a permit for the tank removal from the Alameda County Department of Environmental Health (ACDEH). Additionally, Shaw obtained a permit for the tank removal from the Alameda County Fire Department (ACFD). Copies of the permits are included in Appendix A. Prior to removal of the tank, a representative of the ACDEH was scheduled to observe the tank removal activities.

2.0 UST Removal Field Activities

2.1 Tank Removal

On December 9, 2003, Shaw personnel began excavation activities with the removal of the pea gravel fill material around the tank. The excavated fill was placed on plastic adjacent to the excavation. On December 11, 2003, Ecology Control Industries, Inc. (ECI) personnel triple rinsed the UST using a fresh water/detergent mixture and a hot water pressure washer. The tank's contents (gasoline fuel) had been removed prior to rinsing activities. Following rinsing,

visual inspection of the tank did not indicate any residual sludge or liquid on the visible portions of the interior of the tank. Approximately 1,000 gallons of rinsate were removed using a vacuum truck. The rinsate was then transported for disposal, under manifest number 22800107 to Romic Environmental Technologies in East Palo Alto, California. A copy of the manifest for the rinsate is included in Appendix B.

On December 11, 2003, Shaw placed 500 pounds of dry ice into the UST. After approximately one hour, the lower explosive level (LEL) and percent oxygen were measured within the tank to ensure it was safe for removal. The LEL was recorded at 2% and percent oxygen was recorded at 0.3%. Upon authorization from Mr. Robert Weston of the ACDEH, the tank was removed from the excavation. Following removal, the tank was inspected for signs of deterioration, holes, or leakage. The tank was observed to be in good condition, without any holes or cracks. The tank and associated piping were then transported by ECI to their facility in Richmond, California for disposal under manifest numbers 22800010 (tank) and 22800119 (piping). A copy of the hazardous waste tank closure certification is included in Appendix C. Copies of the manifests and certificates of destruction for transport and disposal of the tank and associated piping are presented in Appendix D.

No petroleum hydrocarbon odors were observed during excavation activities. No staining was observed on soils in the vicinity of the former UST. Groundwater was encountered at approximately 10 feet below surface grade (bsg) in the excavation.

2.2 Sampling Activities

On December 11, 2003, Shaw personnel collected groundwater and soil samples from the tank excavation under the direction and supervision of Mr. Robert Weston of the ACDEH. One groundwater sample, labeled TPW-1, was collected using a new disposable bailer. Groundwater was then transferred from the bailer into the appropriate containers, labeled, and placed in a cooler with ice and transported under chain-of-custody protocol to the analytical laboratory. A copy of the chain of custody is included in Appendix E.

Two soil samples, labeled TP-1 and TP-2, were collected from the side walls of the tank excavation at depths of 8.10 and 9.2 feet bsg, respectively (2 feet into native soil above the soil/groundwater interface). The soil samples were collected by pushing a sample tube into the soil, collected using the bucket of the backhoe, until full.

In order to evaluate soil re-use or disposal options, one 4-point composite soil sample, labeled CS-1-4, was collected from the soil stockpile of the former tank excavation. The soil samples were collected by pushing four sample tubes into each stockpile at random locations until each was full.

After the soil samples were collected, the ends of the sample tubes were covered with Teflon tape and capped. The soil samples were then appropriately labeled, placed in a cooler with ice, and transported under chain-of-custody protocol to the analytical laboratory. A copy of the chain of custody is included in Appendix E.

2.3 Sample Analyses

The samples were transported and submitted to McCampbell Analytical, Inc., an ELAP-certified laboratory in Pacheco, California. The groundwater and soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) under EPA method 8015 (modified) and for benzene, toluene, ethylbenzene, and xylenes (BTEX) constituents under EPA method 8021B. The five fuel oxygenates methyl tertiary butyl ether (MTBE), tert-amyl methyl ether (TAME), disopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), and tert-butyl alcohol (TBA) as well as the two lead scavengers 1,2-Dibromoethane (EDB) and 1,2-Dichloroethane (1,2-DCA) were analyzed under EPA method 8260B. The samples were further analyzed for total lead and organic lead. The groundwater samples were analyzed for total lead and organic lead using EPA methods E200.9 and CA T22, respectively. The soil samples were analyzed for total lead and organic lead using EPA methods 6010C and CA T22, respectively.

2.4 Groundwater Sample Analytical Results

Benzene, toluene, and xylenes were detected in the groundwater sample at concentrations of 0.57 parts per billion (ppb), 0.57 ppb, and 1.0 ppb, respectively. MTBE and TBA were detected in the groundwater sample at 24 ppb and 16 ppb, respectively. Total lead was detected at 6.6 ppb. TPH-G, ethylbenzene, the remaining fuel oxygenates, lead scavengers and organic lead were not detected in the laboratory analysis of the groundwater sample. Groundwater sample analytical results are summarized in Table 1 and depicted in Figure 3. A copy of the chain of custody is included in Appendix E.

2.5 Soil Sample Analytical Results

TPH-G, BTEX constituents, all five fuel oxygenates, and the two lead scavengers were not detected in the laboratory analysis of any of the soil samples collected. Total lead was detected at a concentration of 12 parts per million (ppm) in both of the tank excavation soil samples; however, organic lead was not detected in any of the soil samples collected. Soil sample analytical results are summarized in Table 2 and depicted in Figure 4. A copy of the chain of custody is included in Appendix E.

3.0 Site Restoration

Following completion of the UST removal activities, Shaw backfilled the tank excavation using the soil stockpile and clean imported fill material and then compacted.

4.0 Conclusions

Based on the field observations and laboratory analytical data presented in this report, Shaw concludes the following:

- On December 11, 2003, the UST was triple rinsed with the removed rinsate being transported off-site for disposal.
- On December 11, 2003, the 10,000-gallon gasoline UST was excavated and transported off-site for disposal.
- Groundwater was encountered within the excavation at approximately 10 feet bsg.
- Benzene, toluene, and xylenes were detected in the groundwater sample at concentrations of 0.57 ppb, 0.57 ppb, and 1.0 ppb, respectively.
- MTBE, TBA, and total lead were detected in the groundwater sample at 24 ppb, 16 ppb, and 6.6 ppb, respectively.
- Total lead was detected in excavation soil samples TP-1 and TP-2 at a concentration of 12 ppm each. No other analytes were detected in any of the soil samples collected.
- The excavation was subsequently backfilled with stockpiled soils and imported clean fill material.
- No further actions are warranted for this site.

4.1 Reporting Requirements

Copies of this report should be forwarded to the following regulatory agency:

Mr. Robert Weston Alameda County Department of Environmental Health . 1131 Harbor Bay Parkway Alameda, California 94502

TABLE 1 Groundwater Sample Analytical Results SBC Facility 2610 Norbridge Avenue Castro Valley, California

Sample I.D.	Sample Location	Sample Depth (bsg)	Date Collected	TPH-G	Benzene	Toluene	Ethyl Benzene	Xylenes	мтве	ТВА	3 Fuel Oxygenates	Lead Scavengers	Total Lead	Organic Lead
				(all results reported in parts per billion)										
TPW-1	tank excavation	10 feet	12/11/03	ND ₅₀	0.57	0.57	ND _{0.5}	1.0	24	16	ND _{0.5}	ND _{0.5}	6.6	ND _{5.0}

Notes:

bsg - below surface grade

TPH-G – total petroleum hydrocarbons as gasoline

MTBE - methyl tertiary butyl ether

TBA- tert-butyl alcohol

3 Fuel oxygenates- tert-amyl methyl ether, di-isopropyl ether, and ethyl tert butyl ether

Lead Scavengers- 1,2-Dibromoethane and 1,2-Dichloroethane

ND_x - not detected above "x" laboratory detection limits

TABLE 2 Soil Sample Analytical Results SBC Facility 2610 Norbridge Avenue Castro Valley, California

Sample I.D.	Sample	Sample	Sample Depth	- 1	- 1	Sample Depth	Date	трн-G	Benzene	Toluene	Ethyl Benzene	Xylenes	мтве	тва	3 Fuel Oxygenates	Lead Scavengers	Total Lead	Organic Lead
:	Location	(bsg)	Collected	(all results reported in parts per million)														
TP -1	tank excavation	8.1 feet	12/11/03	ND _{1.0}	ND _{0.005}	ND _{0.025}	ND _{0.005}	ND _{0.005}	12	ND _{0.5}								
TP-2	tank excavation	9.2 feet	12/11/03	ND _{1.0}	ND _{0.005}	ND _{0.005}	ND _{0.005}	ND _{0,005}	ND _{0.005}	ND _{0.025}	ND _{0.005}	ND _{0.005}	12	ND _{0.5}				
CS-1-4	Excavation stockpile		12/11/03	ND _{1.0}	ND _{0.005}	ND _{0.005}	ND _{0.005}	ND _{0,005}	ND _{0.005}	ND _{0.025}	ND _{0.005}	ND _{0.005}	ND _{5.0}	ND _{0.5}				

Notes:

bsg - below surface grade

TPH-G - total petroleum hydrocarbons as gasoline

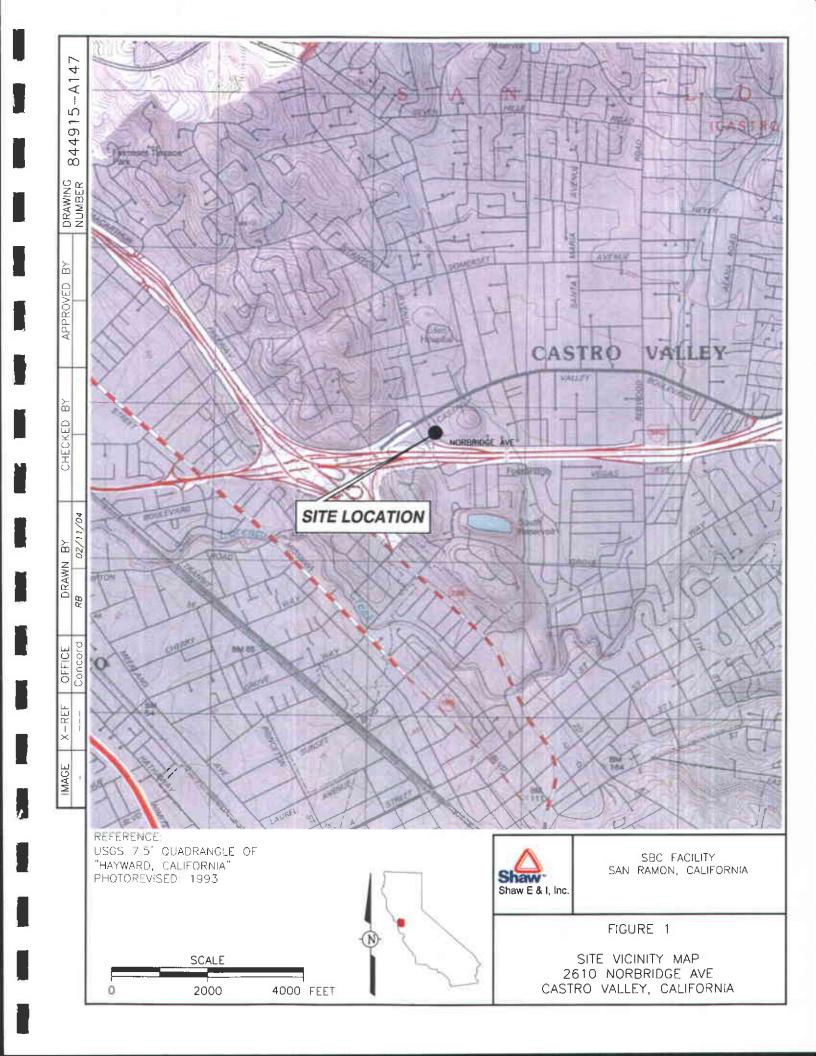
MTBE - methyl tertiary butyl ether

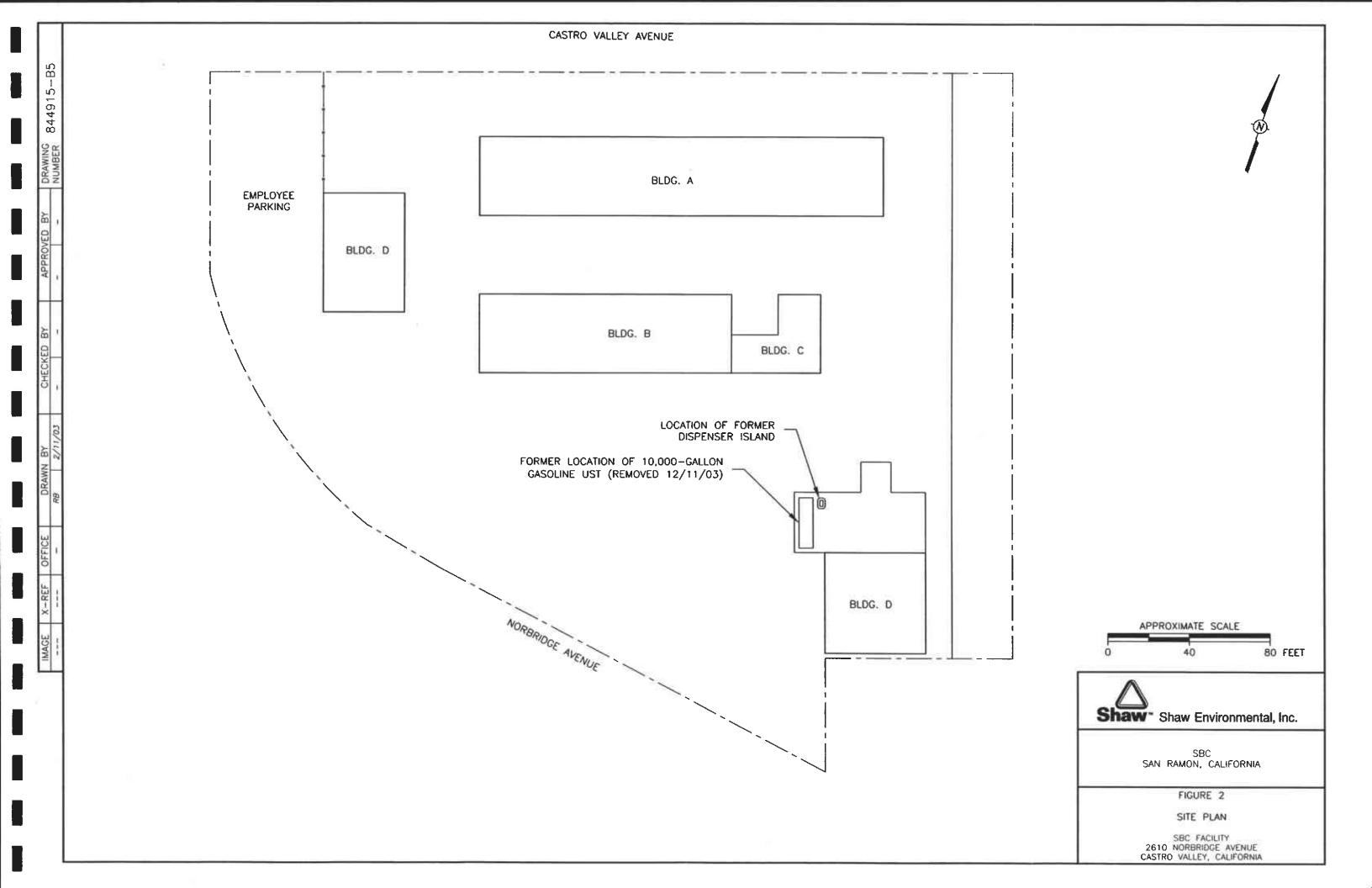
TBA- tert-butyl alcohol

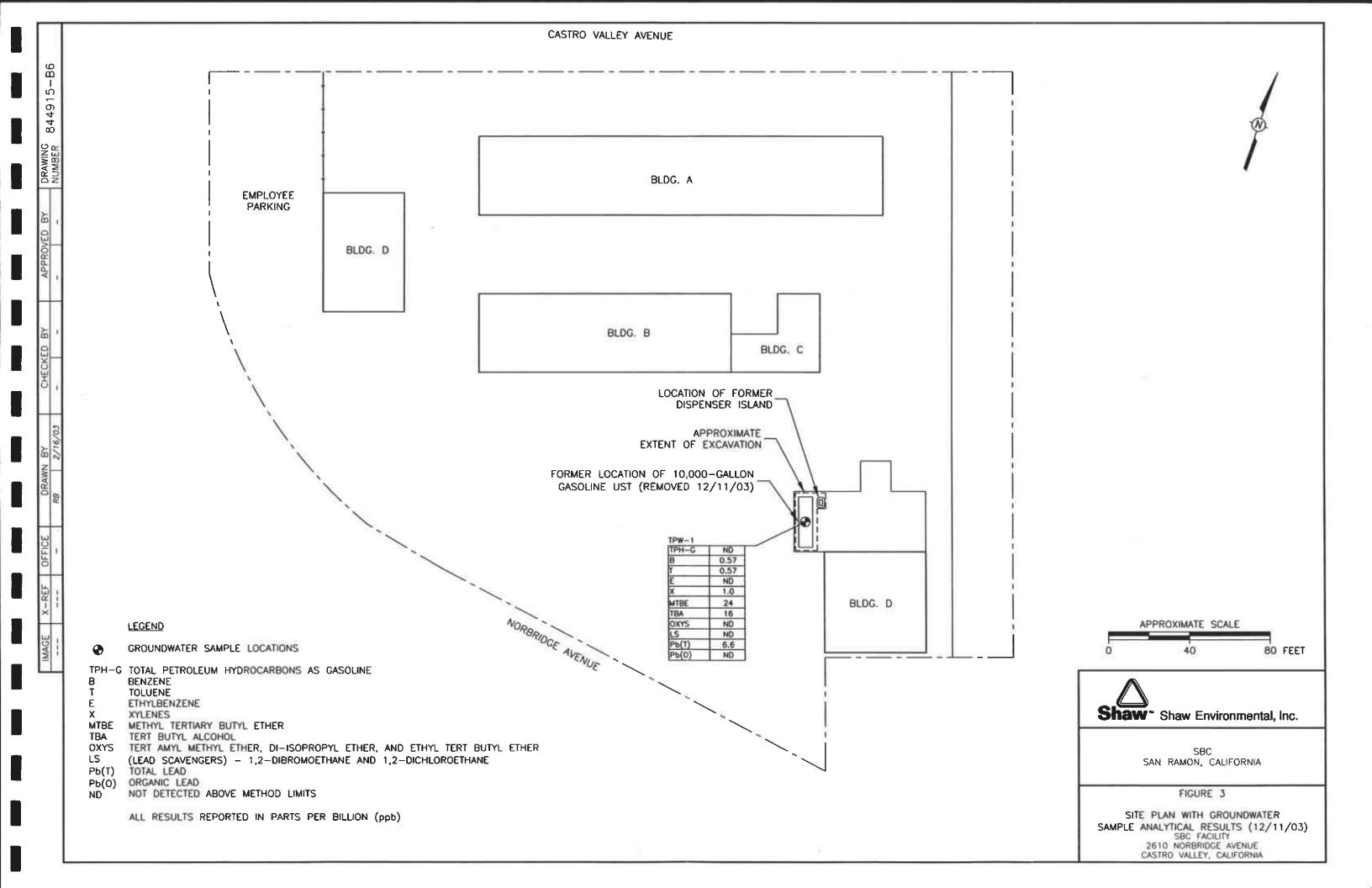
3 Fuel oxygenates- tert-amyl methyl ether, di-isopropyl ether, and ethyl tert butyl ether

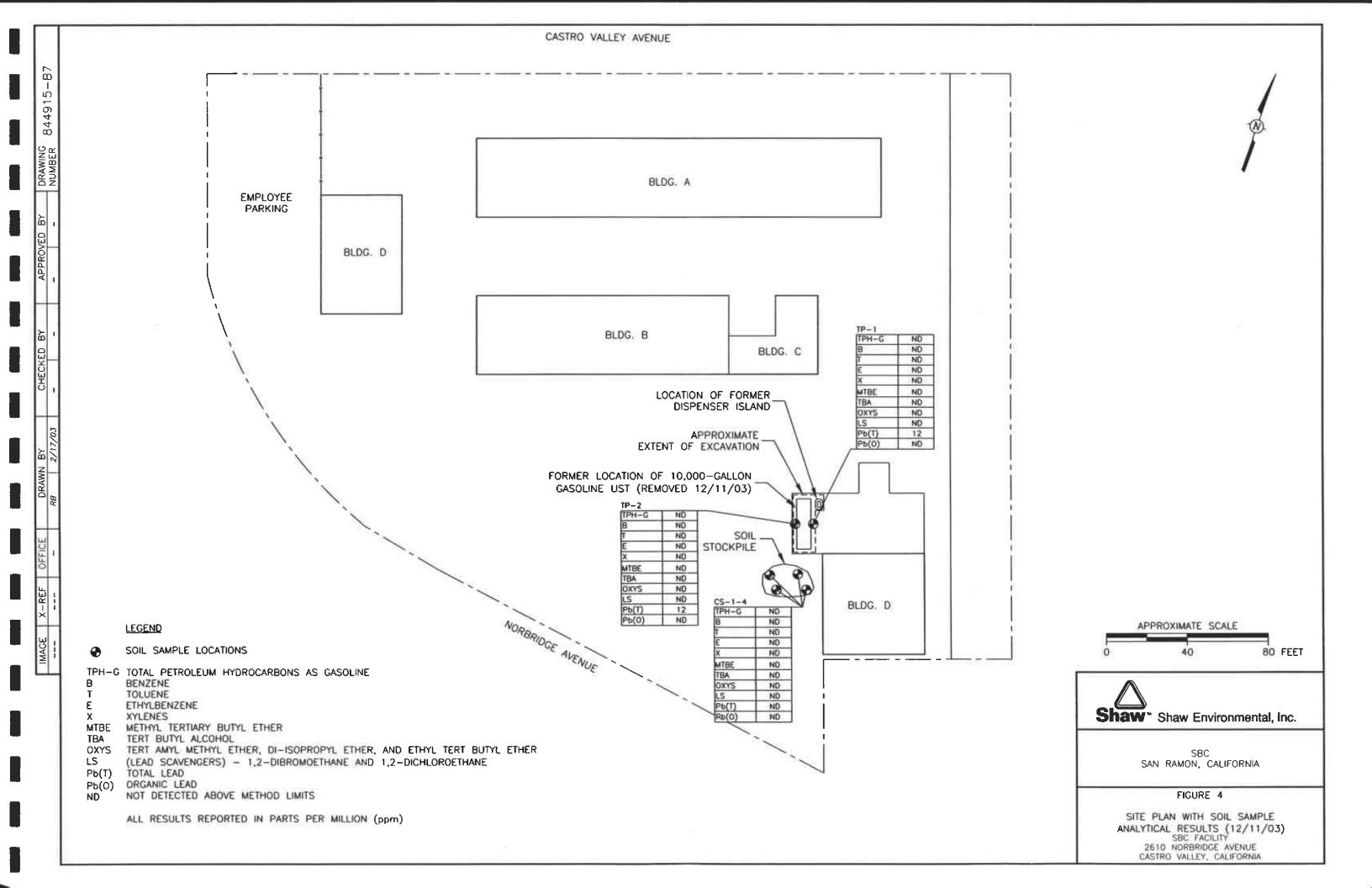
Lead Scavengers- 1,2-Dibromoethane and 1,2-Dichloroethane

ND_x - not detected above "x" laboratory detection limits









Appendix A

Tank Removal Permit and State Forms

ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH 1131 HARBOR BAY PARKWAY ALAMEDA, CA 94502-6577

PHONE (510) 567-6700 Volty this Department at least 72 hours prior to the following

LCCEPTED

One copy of the accepted plans must be on the job and ivaliable to all contractors and craftsman involved with the Any changes or attentions of these plans and specifications

Removal of Tank(s) and Plaing ā Final Inspection

Accepted November 21, 2003 Robert Weston

See attached Table 2 for contaminate analysis

UNDERGROUND STORAGE TANK CLOSURE PLAN ** * Complete closure plan according to instructions * * *

1.	Name of Business SBC (P5200) CTVYCA60							
	Business Owner or Contact Person (PRINT) SBC Environme	ental Management					
2.	Site Address 2610 Norbridge Avenue		· · · · · · · · · · · · · · · · · · ·					
	City, State Castro Valley, CA	Zip <u>94546</u>	Phone <u>(800) 757-6575</u>					
3.	Mailing Address P.O. Box 5095, Room 3E0							
	City, State San Ramon, CA	Zip <u>94583</u>	Phone <u>(800) 757-6575</u>					
4.	Property Owner SBC (P5200) CTVYCA60							
	Business Name (if applicable) SBC							
	Address 2610 Norbridge Avenue							
	City, State Castro Valley, CA	Zip <u>94546</u>	Phone (800) 757-6575					
5.	Generator name under which tank will be manifested							
	SBC							

EPA I.D. No. under which tank(s) will be manifested CAT080021488

10-08-2003

Rev. 06/01/03 UST Closure Plan



05/22/2003

Print Date = 10/31/2003

2:00 PM

6.	Cor	ntractor		Inc							
	Ado	iress	Shaw Environmental 1 2790 Mosside Bouleva	rd							
	City	, State	Monroeville, PA 1514 A, HazSub Removal	16 81562	0 ne						
			<u> </u>	ID#							
7.	Cor	nsultant (if applica	ble) <u>RHL Design Gro</u> u	up Inc., Scott I	rwin						
	Address 1137 N. McDowell Boulevard										
	City	, State <u>Petaluma</u>	ı, CA	Zip <u>94954</u>	Phone <u>(707) 765-1660</u>						
8.	Mai	n Contact Person	for Investigation (if ap	plicable)							
•	Nar	ne		Title							
	Cor	npany									
	Pho	one		_							
9.			·		1						
	Len	gth of piping bein	g removed under this p	olan <u>7'-0"</u>							
	Tota	al number underg	round tanks at this fac	ility (**confirme	ed with owner or operator) 1						
10.	Stat	te Registered Haz	ardous Waste Transp	orters/Facilitie	s (See Instructions).						
	a)	Product/Residua	al Sludge/Rinsate Tran	sporter							
		Name Ecology	Control Industries		EPA I.D. No. <u>CAD982030173</u>						
		Hauler License	No. <u>1533</u>	Li	cense Exp. Date <u>3/31/04</u>						
		Address 255 Pa	arr Boulevard	. <u>-</u>							
		City, State Rich	mond, CA		Zip <u>94801</u>						
	b)	Product/Residua	al Sludge/Rinsate Disp	osal Site							
		Name Romic C	hemical Corporation		EPA I.D. No. <u>CAD009452657</u>						
		Address 2081 E	Bay Road								
		City, State <u>East</u>	Palo Alto, CA		Zip <u>94303</u>						

C)) Tank and Piping Transporter	
	Name Ecology Control Industries	EPA I.D. No. <u>CAD982030173</u>
	Hauler License No. 1533	License Exp. Date 3/31/04
	Address 255 Parr Boulevard	
	City, State Pacheco, CA	Zip <u>94553</u>
ď) Tank and Piping Disposal Site	
	Name Ecology Control Industries	EPA I.D. No. <u>CAD982030173</u>
	Address 255 Parr Boulevard	
	City, State Pacheco, CA	Zip <u>94553</u>
S	Sample Collector	
N	lame Robert Del Nagro	
С	Company Shaw Environmental	
Α	ddress 4005 Port Chicago Highway	
С	City, State Concord, CA	Zip <u>94520</u> Phone <u>(925) 288-2119</u>
. L	aboratory	
С	Company McCambell Analytical	
Α	ddress 110 Second Avenue South, #D7	
С	City, State Pacheco, CA	Zip <u>94553</u>
S	State Certification No. 1644	
. Н	lave tank(s) or piping leaked in the past?	Yes[] No[] Unknown[X]
If	yes, describe:	
D	Describe method(s) to be used for rendering	g tank(s) inert:
	Ory Ice to vent, followed by triple rinsing to	
	TY 100 to voite, followed by alpho finding to	1011070 4117 100.000
-		

Before tank(s) are pumped out and inerted, all associated piping must be flushed back into the tank(s). All accessible piping must then be removed. Inaccessible piping must be permanently plugged using grout.

The Bay Area Air Quality Management District, (415) 771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verity tank inertness. It is the contractor's responsibility to have a functional combustible gas indicator on-site to verity that the tank(s) is inerted.

15. Tank History and Sampling Information ***(See Instructions)***

Т	ank		
Capacity (gallons)	Use History include date last used (estimated)	Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Sample(s)
		Soil and Ground Water	Soil sample will be collected at the base of the excavation in native soil. If ground water is present, soil samples will be collected at the soil/water interface. A representative water sample (if present) will be collected.

One soil sample must be collected for every 20 linear feet of underground piping that is removed. A groundwater sample must be collected if any groundwater is present in the excavation.

Excavated/	Excavated/Stockpiled Soil						
Stockpiled Soil Volume (estimated)	Sampling Plan						
50 cubic yards	1 each – 4 part composite sample for every 50 cubic yards of stockpile.						

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

Will the excavated soil be returned to the excavation immediately after tank removal? [] yes [] no [X] unknown

If yes, explain reasoning Soil may be reused if analytical results indicate no detectable Analytics are present.

If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without prior approval from this office. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling activities.

16. Chemical methods and associated detection limits to be used for analyzing sample(s):

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits shall be followed.

See Table 2, Recommended Minimum Verification Analyses for Underground Tank Leaks.

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit	
Soils:	EPA 50368	SPA Goismadified	1.0 mg kg	(ppm
BTEXIEDBIESC ; 5 full oxy's	EPA 5030B	epa balob	All 5 molks except +BA = 25 molks	(ppb)
Total Pb	EPA 3050B	EPA 7010 or 6010	3.0mg/kg	Coom
Organic PD	CA THEZZ	CATITIE22	0.5 mg/kg	(ppm
WATERS: TPH gas	EPA 5080B	EPA BOISWOOLRED	50/19/L	(ppb)
BTEX, EDB-EBC+ 5 full OXY'S	EPA 5030B	EPA 8260B	A11 0.5 mg/L excert +BA ~ 5.0 mg/L	(pp
Total 15	EPA 200.9	EPA 200.9	5.0 mg/c	Copt
Organic Plo	CATITIE 22	CATITIEZZ	5.0mg/L	(ppb

- 17. Submit Site Health and Safety Plan (See Instructions)
- 18. Submit Worker's Compensation Certificate copy

Name of Insurer			
-----------------	--	--	--

- 19. Submit Plot Plan ***(See Instructions)***
- 20. Enclose Deposit (See Instructions)
- 21. Report all leaks or contamination to this office within 5 days of discovery.

 The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (URL) form.
- 22. Submit a closure report to this office within 60 days of the tank removal. The closure report must contain all information listed in item 22 of the instructions.
- 23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one-B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner).

1

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS - FACILITY

	(one page per site) 1 age01
	5.CHANGE OF INFORMATION
(Check one item only) [] 4. AMENDED PERMIT spe	cify change local use only
	6.TEMPORARY SITE CLOSURE 400
I. FACILITY/ST	TE INFORMATION
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3 FACILITY	Y ID#
NEAREST CROSS STREET 401	FACILITY OWNER TYPE 4. LOCAL AGENCY/DISTRICT*
2610 Norbridge Am. Castro Valley	☐ 5. COUNTY AGENCY*
BUSINESS 1. GAS STATION 3. FARM 5. COMMERCIAL	☐ 2. INDIVIDUAL ☐ 6. STATE AGENCY*
TYPE 2. DISTRIBUTOR 4. PROCESSOR 6. OTHER 403	☐ 3. PARTNERSHIP ☐ 7. FEDERAL AGENCY* 402
TOTAL NUMBER OF TANKS Is facility on Indian Reservation or	*If owner of UST is a public agency: name of supervisor of division, section or office which
REMAINING AT SITE trustlands? 404 Yes X No 405	operates the UST (This is the contact person for the tank records.)
Jan An	406
	NER INFORMATION
PROPERTY OWNER NAME SBC	407 PHONE 408
	925-823-8866
MAILING OR STREET ADDRESS	409
17.0. Box 5095	07.70
San Ramon	STATE 411 ZIP CODE 412 (A 945 8 3
PROPERTY OWNER TYPE 1. CORPORATION 2. INDIVIDUAL	1 /1302
<i>/</i>	
3. PARTNERSHIP	5. COUNTY AGENCY 13 7. FEDERAL AGENCY 413
	R INFORMATION
TANK OWNER NAME	414 PHONE 415
MAILING OR STREET ADDRESS	416
Same as above.	
CITY 417	STATE 418 ZIP CODE 419
TANK OWNER TYPE	
TANK OWNER TYPE X 1. CORPORATION 2. INDIVIDUAL	4. LOCAL AGENCY / DISTRICT 6. STATE AGENCY 420
3. PARTNERSHII	5. COUNTY AGENCY 7. FEDERAL AGENCY
IV. BOARD OF EQUALIZATION UST	STORAGE FEE ACCOUNT NUMBER
TY (TK) HQ 44-	Call (916) 322-9669 if questions arise 421
V. PETROLEUM UST FIN	ANCIAL RESPONSIBILITY
INDICATE METHOD(s) X I. SELF-INSURED 4. SURETY BOND	7. STATE FUND 10. LOCAL GOVT MECHANISM
l	8. STATE FUND & CFO LETTER 99. OTHER:
☐ 3. INSURANCE ☐ 6. EXEMPTION	9. STATE FUND & CD 422
VI. LEGAL NOTIFICATIO	N AND MAILING ADDRESS
Check one box to indicate which address should be used for legal notifications and mailing.	
Legal notifications and mailings will be sent to the tank owner unless box 1 or 2 is checked.	☐ I. FACILITY (2. PROPERTY OWNER ☐ 3. TANK OWNER 423
VII. APPLICAN	T SIGNATURE
Certification - I certify that the information provided herein is true and accurate to the best of m	y knowledge.
SIGNATURE OF APPLICANT	DATE , 424 PHONE 425
Megalin to Rob Winggow	11/21/03 925-288-2103
NAME OF APPLICANT (print) 426	TITLE OF APPLICANT 427
Robert Pelnagro	agent for SBC
STATE UST FACILITY NUMBER (For local use only) 428	1998 UPGRADE CERTIFICATE NUMBER (For local use only) 429

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS – TANK PAGE 1

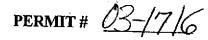
								(two pages	per tank)			
_	_							Page	of			
TYPE OF ACTION I NEW SITE PERM	IIT U 4 AMENDI	D PERMIT	☐ 5 CHANGE (OF INFOR	MATION [] 6							
(Check one item only)						PERMANENTLY	CLOSED O	N SITE				
☐ 3 RENEWAL PER	MIT (Specify reaso		only) (Specify reas	on – for loca	use only) 🔏 8	TANK REMOVE	D		430			
BUSINESS NAME (Same as FACILITY NAME	or DBA – Doing Business A	i)] F/	ACILITY (D:			1.6		{	T			
SBC												
LOCATION WITHIN SITE (Optional)												
South side of property												
I. TANK DESCRIPTION (A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local at												
TANK !D# 432	TANK MANUFA	CTURER		433	COMPARTM	ENTALIZED TA	ANK 🗍 Ye	s X No	434			
					If "Yes", complete	one page for each con	apartment.					
DATE INSTALLED (YEAR/MO) 435	TANK CAPACIT		NS	436	NUMBER OF	COMPARTME	NTS		437			
Unknown	10,0	<u> </u>										
ADDITIONAL DESCRIPTION (For local us	e only)								438			
		II. T	ANK CONTER	NTS			·					
	OLEUM TYPE								440			
	REGULAR UNLEAD	ED 🔲 :	2. CEADED	Ε	5. JET FUEL							
1	PREMIUM UNLEAD	ED 🛄	3. DIESEL		6. AVIATION F	UEL						
1	MIDGRADE UNLEAR	DED 📋	4. GASOHOL		99. OTHER			,				
3. CHEMICAL PRODUCT COM	MON NAME (from Ha	zardous Materia	ls Inventory page)	44!	CAS# (from t	lazardous Materials I	nventory page)		442			
☐ 4. HAZARDOUS WASTE									;			
(Includes Used Oil)	995011r	e			-							
☐ 95. UNKNOWN	J											
		III. TA!	NK CONSTRU	CTION								
TYPE OF TANK 1. SING	LE WALL 3. S	INGLE WAL	L WITH	5.	SINGLE WALL	WITH INTERNAL	L BLADDER	SYSTEM	443			
(Check one item only)		EXTERIOR M	EMBRANE LINE	ER [] 9:	5. UNKNOWN							
X 2. DOU	BLE WALL 4.	SIGNLE WAL	L IN VAULT	□ 9	9. OTHER							
TANK MATERIAL - primary tank 🗵 1. BARI	E STEEL 3.	FIBERGLASS	PLASTIC	□ 5.	CONCRETE		9	. UNKNOW	N 444			
(Check one item only) 2. STAI	NLESS STEEL 4.	STEEL CLAD	W/FIBERGLASS	5 🗍 8.	FRP COMPTIBLE	E W/100% METH	ANOL 🔲 99	OTHER				
	1	EINFORCED	PLASTIC (FRP)	١					ļ			
TANK MATERIAL - secondary tank 1. BA			SS / PLASTIC	_	i. CONCRETE			S. UNKNOW	'N 445			
(Check one item only) 2. STA	MINLESS STEEL 4	STEEL CLA	AD W/FIBERGLA		FRP COMPTIB		HANOL 🔲	99. OTHER				
			ED PLASTIC (FF	₹P) 🔲 I	0. COATED STEE	L.						
		CONCRETE			_							
TANK INTERIOR LINING 1. RUBBER	LINED 3. EPO	XY LINING	☐ 5. GLA	SS LINING	95. UN	KNOWN 44	6 DATE	INSTALLED	447			
OR COATING 2 ALKYD 1	JINING 4 PHEI	OLIC LININ	G □ 6 UNLIN	ED	☐ 99 OTHE	R						
(Check one item only)								(For loc	cal use only)			
OTHER CORROSION 1 MANUFAC	CTURED CATHODIC	X 3 FIBERG	LASS REINFOR	CED PLAS	TIC 🔲 95 UI	NKNOWN 44	8 DATE	INSTALLED	449			
PROTECTION IF APPLICABLE PROTECTI	ON	_	SED CURRENT		□99 0							
(Check one item only) 2 SACRIFIC	AL ANODE							(For loc	ai use only)			
SPILL AND OVERFILL YEAR INST		TYPE (local	use only) 451	OVERFI	LL PROTECTION	EQUIPMENT:YE	AR INSTAL	LED	452			
(Check all that apply) 🛛 I SPILL CONTAINN	TENT			MIAL	ARM	□ 3 FILL	TUBE SHUT	OFF VALVE	;			
₩ 2 DROP TUBE				□ 2 BA	LL FLOAT	☐ 4 EXEN						
■ 3 STRIKER PLAT	E											
IV. T	ANK LEAK DETEC	TION (A des	cription of the monito	ring program	shall be submitted to	the local agency.)						
IF SINGLE WALL TANK (Check all that app)			453	(F D	OUBLE WALL		K WITH BI	LADDER	454			
☐ I VISUAL (EXPOSED PORTION ONLY)	П 5МА	TIAL TANK	GAUGING (MTC		: one item only) VISUAL (SINGLE	WALL IN VALUE	TONI V					
2 AUTOMATIC TANK GAUGING (ATG)	_	OSE ZONE	3.1301.13(1.11	1	CONTINUOUS IN							
3 CONTINUOUS ATG	_	UNDWATER	<u>.</u>	1 "	MANUAL MONIT		viding					
☐ 4 STATISTICAL INVENTORY RECONCI		K TESTING	-	"	m root not record to							
(SIR) BIENNIAL TANK TESTING	☐ 99 O			1								
	V. TANK CLOSUR		ATION / DEDA	AANENT	CLOSUDE IN	PLACE						
ESTIMATED DATE LAST USED (YR/MO/D	100					T	110TH 110TH	T & 44 mm = 4 : =	9 457			
ESTAMATED DATE LAST USED (TR/MO/D)	AL) - ESIIM	LIED QUANI	TITY OF SUBSTA		Alliting	TANK FILLED			A 431			
<u> </u>				gallon:		1_	Yes [J 140				

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS – TANK PAGE 2

VI. PIPING CONSTRU	UCTION (Ch	heck all that apply) Page of						
UNDERGROUND PIPING		ABOVEGROUND PIPING						
SYSTEM TYPE 1. PRESSURE 2. SUCTION 3. GRAV	_	Control Contro						
CONSTRUCTION I. SINGLE WALL 3. LINED TRENCH 99. OTE	THER 460	1. SINGLE WALL 95. UNKNOWN 462						
MANUFACTURER (A.2. DOUBLE WALL 95. UNKNOWN		2. DOUBLE WALL 99. OTHER						
MANUFACTURER	461	107						
1	1. BARE ST	2 of the contribution						
	2. STAINLE							
10	_	IC COMPATIBLE W/ CONTENTS 3. FLEXIBLE (HDPE) 39. OTHER						
	4. FIBERGE	- :						
	5. STEEL W	— · · · · · · · · · · · · · · ·						
VII. PIPING LEAK DETECTION (Check all that a UNDERGROUND PIPING	apply) (A descrip	iption of the monitoring program shall be submitted to the local agency.)						
SINGLE WALL PIPING	466	ABOVEGROUND PIPING SINGLE WALL PIPING 467						
PRESSURIZED PIPING (Check all that apply):		SINGLE WALL PIPING 467 RESSURIZED PIPING (Check all that apply):						
☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS. ☐ 2. MONTHLY 0.2 GPH TEST	P SHUT	RESSURIZED PIPING (Check all that apply): 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS. 2. MONTHLY 0.2 GPH TEST						
3. ANNUAL INTEGRITY TEST (0.1GPH)	1	32. MONTHLY 0.2 GPH (ES) 3. ANNUAL INTEGRITY TEST (0.1GPH)						
13 S. Milliono di Constanti (S. Million)	1] 3. ANNUAL INTEGRITY TEST (0.1GPH)] 4. DAILY VISUAL CHECK						
CONVENTIONAL SUCTION SYSTEMS	ļ —							
☐ 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPE INTEGRITY TEST (0.1 GPH)	DINIC	ONVENTIONAL SUCTION SYSTEMS (Check all that apply) 3. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM						
SAFE SUCTION SYSTEMS (NO VALUES IN BELOW GROUNDPIPING):	10	3 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)						
7. SELF MONITORING	ł	AFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING).						
GRAVITY FLOW	1	7. SELF MONITORING						
9. BIENNIAL INTEGRITY TEST (0.1 GPH)	1 -	GRAVITY FLOW (Check all that apply):						
	i	8. DAILY VISUAL MONITORING						
	1	9. BIENNIAL INTEGRITY TEST (0.1 GPH)						
SECONDARILY CONTAINED PIPING		SECONDARILY CONTAINED PIPING						
PRESSURIZED PIPING (Check atl that apply):	l _{PP}	SECONDARILY CONTAINED PIPING RESSURIZED PIPING (Check all that apply):						
IO. CONTINUOUS TURBINE SUMP SENSOR <u>WITH</u> AUDIBLE AND VISUAL ALARMS AND (Check one) 2. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS 5. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION	10.	10. CONTINUOUS TURBINE SUMP SENSOR <u>WITH</u> AUDIBLE AND VISUAL ALARMS AND (Check one) □ a AUTO PUMP SHUT OFF WHEN A LEAK OCCURS □ b AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION						
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SUCTION/GRAVITY SYSTEM	1	SUCTION/GRAVITY SYSTEM						
13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS] 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS						
EMERGENCY GENERATORS ONLY (Check all that apply)		EMERGENCY GENERATORS ONLY (Check alt that apply)						
☐ 14. CONTINUOUS SUMP SENSOR <u>WITHOUT</u> AUTO PUMP SHUT OFF * AUDIBLE AND VISUAL ALARMS		14. CONTINUOUS SUMP SENSOR <u>WITHOUT</u> AUTO PUMP SHUT OFF * AUDIBLE AND VISUAL ALARMS						
15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION	' □	15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)						
16. ANNUAL INTEGRITY TEST (0.1 GPH)] 16. ANNUAL INTEGRITY TEST (0.1 GPH)						
17. DAILY VISUAL CHECK	· I_] 17. DAILY VISUAL CHECK						
VIII. DISP		DITAINMENT						
DISPENSER CONTAINMENT								
DATE INSTALLED 468 A2. CONTINUOUS DISPENSER PAN SENSO 3. CONTINUOUS DISPENSER PAN SENSO DISPENSER + AUDIBLE AND VISUAL A	OR + AUDIBLE	LE AND VISUAL ALARMS						
	JOPERATO	DR SIGNATURE						
I certify that the information provided herein is true and accurate to the best of my knowledge.								
SIGNATURE OF OMNER/OPERATOR NAME OF OWNER/OPERATOR (print)		ATE 11/21/03 470						
NAME OF CONNER COPRATOR (print) ROB Deln 9 gm2	471 TH	ITLE OF OWNER/OPERATOR 472 ASIM TW SBC						
Permit Number (For local use only) 473 Permit Approved (For								
		• • • • • • • • • • • • • • • • • • •						





LLACFD\FP\FPFORMS\83-230.doc

Alameda County Fire Department Bureau of Fire Prevention

FIRE CODE REGULATED ACTIVITY/USE APPLICATION and PERMIT

[] City of Dublin [] City of San Leandro Unincorporated Alameda County
Application Date: 11/21/03
Type of Permit Requested: UnDercoround Storage Tank Removal Activity Date(s): 12/3/03-12/23
ORGANIZATION/INDIVIDUAL MAKING APPLICATION City: Castro Valley
N/
Address/City/State/Zin: 11005 100 11 100 Phone #: 925-288-2207
Address/City/State/Zip: 4005 Port Chicago Huy Concord Ca 94520 Contact Person: Para Irish Phone #925-208-2207 FAX # 625-820-2006
<u> </u>
CONTRACTOR INFORMATION (if applicable) ATTACH COPY OF WORKER'S COMP AND BUSINESS LICENSE
Company Name: SHAW ENVIVORMENTAL INC. License Type/Number: 815620 HAZ - A Address/City/State/Zip: SAME AS Above
On the A.D.
Thole #: FAX #:
DESCRIPTION OF ACTIVITY TO BE PERFORMED: Attach copies of required listings, certificates, licenses, property owner approval (if different from applicant), etc. to fully explain activity, project, or authorization.
Ill permits issued by the Fire Department shall be presumed to contain the proviso that the applicant, his agents and employees, shall carry out the proposed activity in ompliance with all the requirements of the fire code and any other laws or regulations applicable thereto, whether specified or not, and in complete accordance with the approved plans, specifications, and conditions of approval. This permit shall not be construed as authority to cancel, violate or set aside any provisions of the fire code, State and any other laws or regulations applicable thereto: or, shall this permit take the place of any license or other regulatory permits required by law. Permits are not transferable and any change in the use, occupancy, peraiton, activity, or ownership shall require a new permit. Permits may be suspended or revoked for cause at any time. The permit above and acknowledge and agree to abide by the requirements and conditions of this permit. I also affirm all information that is provided as a signature of Applicant. Signature of Applicant
Date
- Fire Department Office Use Only - PPROVALS:
ejected Date/By: Cont. Notified: Rejected Date/By: Cont. Notified:
PPROVED BY: Full & Cut 442 APPROVAL CONDITIONS ATTACHED 12/23/03 PERMIT NOT VALID WITHOUT APPROVAL SIGNATURE
EES DUE: 80 Date Paid: 11/21/03 Comments:
ans Received: ## 21/03 Date Due: Plans Received: Date Due:

Appendix B

Hazardous Waste Manifest for Rinsate Disposal

No.2345 P . . 61 ecology control industries Stale of Feb. 18. 2004 tal 5:09 PM ency See instructions on back of page 6. Department of Toxic Substances Control Form Approved OME No. 2050-0039 [Expires 9-30-99]
Ploate Print to Type. Form designed for use on elite (12-pitch) typewriter. Sacromento, California Information in the shaded areas Manifest Document No. 2. Poge 1 1. Generator's US EPA ID No. is not required by Federal law. UNIFORM HAZARDOUS WASTE MANIFEST 3. Generator's Name and Mailing Address 22800107 1.56 on get agos seems ward THE RAPERT MORAE MAR 1-800-852-7550 4. Generator's Phone [3 5 km 1 2 11 1 & US EPA ID Number 5. Transporter 1 Company Name ECULUST COR! RUL MULISTRIES 自身推升事業 7. Transporter 2 Company Name CÁLIFORNIA, CALL 9. Designated Facility Name and Site Address IC. US EPA ID Numb Ramas Chartlent Corporation ZUM BAT HUAS 11日本报经的图片及 Sau Pake ALTO CA 94303 14. Unil 13. Tolts 11. US DOT Description (including Proper Shipping Name, Hazord Class, and ID Number) Wi/Val MS to flavorable things, it is 2, LPL 1903. 17 roasoline Danzene) CALLY ! SE OF EMERGENCY OF SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. N 0 The and Boding bety depth and additional presentation when a major in the contract of the state of a contract and a traction of the state of the sta ELHOUR CHOROTHOY CONTACT PROPERTY DISPATCH DES CTR LES JOB # 527 ZEMOUN ENERGENCY TELEPTRINE NUMBER STESTETE! 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accordely described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for numbers by highway according to applicable international and notional government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and tooldity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal overently available to me which minimizes the present and future threat to human health and the arviconment; OR, if I am a small quantity generator, I have made a good toth effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Trynsporter 1 Alter Year Day Printed/Typed Name 18. Transporter 2 Ac Day Your Printed/Typed Name 19. Discrepancy Indication Space interials covered by this manifest except as noted in Item 19 20. Facility Owner or Operator Cartification of accept of hazar Printed/Typed Name

DO NOT WRITE BELOW THIS LINE.

Appendix C

Hazardous Waste Tank Closure Certification

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

	- T	FACILITY	IDENTE	FICAT	TON	J						Page	of
BUSINESS NAME (Sause as FACILITY NAI			CILITY II		ION						TT		_
SBC							11.	, [*]		_			
TANK OWNER NAME											*	-	74
SBC													
TANK OWNER ADDRESS													74
P.O. Box 5095													
TANK OWNER CITY San Ra	imen		742	STATE	Ξ	CA		743	ZIP CO	ado	94	5 83	74
- (()		TANK CLOS	URE IN	ORM								رن د	
Tank ID #	Concent	tration of Flamma	abie Vapor		T			Co	ncentrati	on of	Oxyger	1	
(Attach additional copies of this page for more than TANK three tanks)	Тор	Center	В	ottom	7		Тор		Ce	nter	1	Bott	om
INTERIOR 1 745	746a	14 2%	6b	7	46c			747a	0.3	%	747b		747
READINGS 2 748	749a	74	9b	7.	49c			750a		1.	7506		750
3 751	752a	75	2b	7:	52c			753a			753b		753
		III. CER	TIFICA	ΓΙΟΝ									
On examination of the tank, I certify the that the information provided herein is to SIGNATURE OF CENTIFIER	ue and accurate to the	best of my know	STAT	JS OR A	FIL	LATIC	N OF C	ERTI	FYING	PERS	ON		r certify
NAME OF CERTIFIER (Print)		7.	54) <u>X</u>		, addict b	ove we	, circy, o	0.15	
Megan Curra	-		Name	of CUPA					IA:				76
TITLE OF CERTIFIER		7	55								100		
agent for SBC			If certi	fier is ot	her th	an CU	PA / LI	A che	ck appro	priate	box be	low:	76
ADDRESS		7:	52	Certifie									
4006 Port Chica	Jan Hicher	n/		Certifie									
сту	1	7	57 □ c.	Certifie	d Mai	rine Cl	nemist (0	CMC)					
Concord, CA	94520								Specialis	it (RE	HS)		
PHONE	Article Services		⁵⁸ □ e.	Professi	ional l	Engine	er (PE)						
925-288-2109	ì		П п	e. Professional Engineer (PE) f. Class II Registered Environmental Assessor									
			g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)						dous				
DATE 759 CERTIFICATE 13.	30			Substan	ce iei	novai i	cerunica	10(1)			9		
TANK PREVIOUSLY HELD FLAMM	ABLE OR COMBUST	TIBLE MATERL	ALS								*	- 4	76
(If yes, the tank interior atmosphere shall be re-checke	d with a combustible gas ind	icator prior to work be	ing conducted o	n the sank)	-			\	Yes	:	∏ No		
CERTIFIER'S TANK MANAGEMENT						ITY, E	ETC:				-		76
S	crup met	al								22			
A copy of this certificate shall accompany the sauthorized agency; owner / operator of the tank	tank to the recycling / dis	sposal facility and b	e provided to	the CUP.	A. If	there is	no CUP	A, copi	es shall be	subin	itted to t	he LIA and	ì

Appendix D

Hazardous Waste Manifest and Certificate of Destruction for the UST

	igned for use on elite (12-pitch) h	Generator's US E	PA ID No.	Mo	nifest Documen	t No.	2 Page 1		on in the shaded	
WASTE	MANIFEST	ATO8	0026	092	000	10) / of ¹		quired by Federal	117
S. Seperator's Non	se and Mailing Address					A. Ştate	Manifest Docume	nt Number	2280	OC
P O. BOX 5095	; ROOM 3E000	san R	NON	CA9458	13	B. State	Generator's 10		er holigan	
	ne (916-977-7777	14				- 1	Transporter's ID.	111	1111	1
5. Transporter I Co	mpany Name NTROL INDUSTRIES		US EPA ID No		0472		porter's Phone		10-235	42
				8 2 0 3	113		Transporter's ID [10-233	200
7 Transporter 2 Co	npany Name		US EPA ID No	mber	OFF REAL	14. 14.	forter's Phone			# (5) \$ (5)
9. Designated Facility	Nome and Site Address	10). US EPA ID No	mber	ш.	100	Focility's ID		190950	32
ECOLOGY C	ÖNTRÖL INDUSTRI	ES						114		
RICHMOND	, CA 94801	C	ADO	0 9 4 6	6 3 9 2	H. Facili	y s coome	4 51 0	1 235-	139
11. US DOT Descript	ion (including Proper Shipping No				12. Con	Type	13, Total Quantity	14. Unit Wi/Val	1 Main Man	nber
AND THE STREET, STORY AND ADDRESS.	HAZARDOUS W	Company of the Compan	Contract Contract of		7,40.	1/1/		-	State.	
WASTE EM	PTY STORAGE 1	TANK			1001	TP	1500	P	EPA/Other	Ň
ь.		13			COIL		rom	1	Statio.	
1. 37.					1	14	2 2 2 2	1	EPA/Other	
					+				Shorty	
2					8 8 8				EPA/Other	
								-	State	
d	9,00				1				EPA/Other	
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d And Monal Prescriet	EMPTY STORKSETA	ик # <u>ЭГС-</u> Танкс	SIG Have bee	S CALLETE P				6.		
MITH 15 LBC D	SY ICE FER 1000 GALE	the second section of the second section is a second section of the second section is a second section of the second section is a second section of the second section section is a second section of the second section section is a second section of the second section sec	G 4.5-11 (15) (A 18) (15) (4.5.A 1.8) (4.5.A			500 m	O_1	AP.		
ME BOOK OF TOTAL	##########	THEMPO	NHILE HA	NDLING.	WEIGHTS	OR V	OLUMES A	ire app 1298	ROXIMAT	E.
24 HOUR EMI 24 HOUR EMI	ERGENCY CONTACT ERGENCY TELEPHO	I) PACIFIC : NE NUMBI	Bell Dis Fr:918-97	PATCH RE 7-7777 SI	ES, CIR TE ADDF	ESS :	26101	lorseli	se	
							- who	ursaus	-	
16. GENERATOR'S C	ERTIFICATION: I hereby declare to sled, and are in all respects in pro-	hat the contents of t sper condition for t	this consignment transport by high	are fully and according t	urately describ a applicable in	ed above b ternationa	proper shipping and national go	rerament regu I name and an	lations.	ed,
_				A		- t	and to the dearer	I have datem	ined to be econo	mical
procticable and the	unitity generator, I certify that I that I have selected the practicable ent; OR, if I am a small quantity	method of treatm generator, I have	ent, storage, or made a good fe	disposal currentle	y available to mize my waste	me which i generation	minimizes the pre- n and select the b	sent and futur sest waste ma	s threat to human ragement method	n heal Hust
available to me a	nd that I can afford.		Signohite	-11-1	7/11 .			Mo		Y
Primed/Typed Name/	OLLINS		Va	med 6	u	6		[[*]	2 1 1	0
17. Transporter I Ack	nowledgement of Receipt of Mata	rials	1 Signature	ti.	/			Mos	oth Day	Y.
petroc	liebster		Ly	Alek				l l	211	0
18. Transporter 2 Ack Printed/Typed Name	sowledgement of Recnipt of Mote	rigls	Signalyle	,				Mon	oth Day	, Y
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The second secon	otion Space									
19 Discrepancy India	and appear									

DO NOT WRITE BELOW THIS LINE.

James Wilcox

RNIA

PON ENTER DO-4

THE TONY

EVERTICAL PIECE

See Instructions on back of page 6.

Department of Toxic Substances Control Sacramento, California

1 Generator's US EPA ID No.	Manifest Document		2 Page 1	information is not require	ed by Federal law
WASTE MANIFEST CATOR 0020917	101011	1119	of 1	V	
2. Generator's Name and Mailing Address		A. State A	Agnifest Document	Number 2	28001
SBC P.O. BOX 5095; ROOM 3E000 SAN RAMON CA	94593	By State C	enerotor's ID	100	
C40 577 444	10		14111	411	1111
L. Generator's Phone (S10-5) - FFFF		C. State T	ransporter's ID [Res	ierved I	MARK STATES
5 Transporter 1 Campairy Name		D. Transp	carter's Phone	F . 12 / 1	
Generator's Phone (STE-STI-112) Transporter 1 Company Name ECOLOGY CONTROL IN DUSTINES C A 0 9 8 40	30113	E. Shorte T	ransporter's ID (Re-	aread To	5,888.370.200
Transporter 2 Company Name 8. US EPA ID Number				2000	
		and the second second	orlar s Phopa		
Designated Facility Name and Site Address 10. US EPA ID Number		G, Slote	acilityositti 	w K	1 1 1 1
ECOLOGY CONTROL INDUSTRIES		H. Focilit	4 Phone		
255 PARR BLVD RICHMOND , CA 94801 C A D 0 0 9 4	466392			(510	235-13
	12. Con	dainers	13. Total	14. Unit WI/Vol	Waste Number
. US DOT Description (including Proper Shipping Name, Hozard Class, and ID Number)	No.	Туре	Quantity	WI/YOI E	State
NON RCRA HAZARDOUS WASTE SOLID	1	CW		_	Action Salution
WASTE EMPTY STORAGE TANK PIPING	old!	JP	0/5/0/0/0	P	574/Other
Ar- 1-1-1-1	- OUI	(3)	020		Shole
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e.	1 00.0		3 3 3 3		EPA/Odline
	70000 E S 400 E S	K Hoodi	ng Eadles for Wash	tisted Above	
Additional Descriptions for Materials Useful Above EMPLE STORGED LAND. # MAKE ASSESSED FOR				16	
TANKS GAVE BEEN INC	RTED	O.	/99		
MITH 15 LES DRY ICE PER 1000 GALLONS CAPACITY					
WEAR PROPER PROTECTIVE FOUIPMENT WHILE HANDL 24 HOUR EMERGENCY CONTACT: PACIFIC BELL DISPATI	ING. WEIGH	ts or ' r ecl	VOLUMES A	ARE APP MIGS	YKOAIMAIE. JW
24 HOUR EMERGENCY TELEPHONE NUMBER:916-977-77	II SHE ADL	JRESS	•		
24 HOUR EMERGENCY TELEPHONE NUMBER:916-977-77	// SITE ADI	JRESS		some and area	lossified, packed
5. GENERATOR'S CERTIFICATION: I haveby declare that the contents of this consignment are fully marked, and labeled, and are in all respects in proper condition for transport by highway accompanies.	and occurately descripteding to applicable	bed above b	oy proper shipping of and national gove	name and are o	dossified, packed. tions
5. GENERATOR'S CERTIFICATION: I heraby declare that the contents of this consignment are fully marked, and lebeled, and are in all respects in proper condition for transport by highway accounts.	and accurately descripteding to applicable in	ped above b	by proper shipping to I and national gover- ted to the degree I	name and are o	dossified, packed, tions. ed to be economical
GENERATOR'S CERTIFICATION: I have by declare that the contents of this consignment are fully marked, and labeled, and are in all respects in proper condition for transport by highway account if I am a large quantity generator, I certify that I have a program in place to reduce the volunt practicable and that I have selected the practicable method of treatment, storage, or disposal and the environment OR. If I am a small quantity generator, I have made a good faith effort	and accurately descripteding to applicable in	ped above b	by proper shipping to I and national gover- ted to the degree I	name and are o	dossified, packed, tions. ed to be economical
5. GENERATOR'S CERTIFICATION: I have by declare that the contents of this consignment are fully marked, and lebeled, and are in all respects in proper condition for transport by highway account if I am a large quantity generator, I certify that I have a program in place to reduce the volus practicable and that I have selected the practicable method of treatment, storage, or disposal and the environment; OR, if I am a small quantity generator, I have made a good faith effort available to me and that I can afford.	and accurately descripteding to applicable in	ped above b	by proper shipping to I and national gover- ted to the degree I	name and are o	destified, packed, files. ed to be economical threat to human healt gement method that it
5. GENERATOR'S CERTIFICATION: I haraby deduce that the contents of this consignment are fully marked, and lebeled, and are in all respects in proper condition for transport by highway account if I am a large quantity generator, I certify that I have a program in place to reduce the volution practicable and that I have selected the practicable method of treatment, storage, or disposal and the environment; OR, if I am a small quantity generator, I have made a good faith effort available to me and that I can afford. Signature	and accurately descripteding to applicable in	ped above b	by proper shipping to I and national gover- ted to the degree I	have determined on the control of th	ilossified, packed finas ed to be economical threat to human hach gement method that i
5. GENERATOR'S CERTIFICATION: I haraby declare that the contents of this consignment are fully marked, and labeled, and are in all respects in proper condition for transport by highway account if I am a large quantity generator. I certify that i have a program in place to reduce the volunt practicable and that I have selected the practicable method of treatment, storage, or disposal and the environment; OR, if I am a small quantity generator, I have made a good faith effort available to me and that I can altered. Signature Signature Signature	and occurately descripting to applicable in me and toxicity of work our rently available to to minimize my wast	ped above b	by proper shipping to I and national gover- ted to the degree I	have determined and future and future and future at waste mone	destified, packed files. ed to be economical threat to human hack gement method that is
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GENERATOR'S CERTIFICATION: I haraby declare that the contents of this consignment are fully marked, and lebeled, and are in all respects in proper condition for transport by highway account if I am a large quantity generator, I certify that I have a program in place to reduce the volun practicable and that I have selected the gracticable method of treatment, storage, or disposal and the anvironment; OR, if I am a small quantity generator, I have made a good faith effort available to me and that I can afford. Signature Transporter I Acknowledgement of Receipt of Materials inted/Typed Name MARIA MILLER Signature Signature Signature Signature Signature	and occurately descripting to applicable in me and toxicity of work our rently available to to minimize my wast	ped above b	by proper shipping to I and national gover- ted to the degree I	have determined out of full formation of the full full full full full full full ful	destified, packed filans ed to be economically the first to human health agreement method that it is a seconomically to be a seconomically the filand in th
5. GENERATOR'S CERTIFICATION: I haraby declare that the contents of this consignment are fully marked, and labeled, and are in all respects in proper condition for transport by highway account if I am a large quantity generator. I certify that i have a program in place to reduce the volun practicable and that I have selected the practicable method of treatment, storage, or disposal and the environment; OR, if I am a small quantity generator, I have made a good faith effort available to me and that I can alford. Signature 7. Transporter 1 Acknowledgement of Receipt of Materials intend/Typed Name MARIC MILLERY Signature	and occurately descripting to applicable in me and toxicity of work our rently available to to minimize my wast	ped above b	by proper shipping to I and national gover- ted to the degree I	have determined out of full formation of the full full full full full full full ful	destified, packed filans ed to be economically the first to human health agreement method that it is a seconomically to be a seconomically the filand in th
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5. GENERATOR'S CERTIFICATION: I haraby declare that the contents of this consignment are fully marked, and labeled, and are in all respects in proper condition for transport by highway account if I am a large quantity generator. I certify that i have a program in place to reduce the volunt practicable and that I have selected the practicable method of treatment, storage, or disposal and the environment; OR, if I am a small quantity generator. I have made a good faith effort available to me and that I can afford. Transporter 1 Acknowledgement of Receipt of Materials rinted/Typed Name MARIC MILLER 3. Transporter 2 Acknowledgement of Receipt of Materials rinted/Typed Name Signature Signature Signature Signature Signature	and occurately descripting to applicable in me and toxicity of work our rently available to to minimize my wast	ped above b	by proper shipping to I and national gover- ted to the degree I	have determined out of full formation of the full full full full full full full ful	destified, packed filans ed to be economically the first to human health agreement method that it is a seconomically to be a seconomically the filand in th
4. GENERATOR'S CERTIFICATION: I haraby declare that the contents of this consignment are fully marked, and labeled, and are in all respects in proper condition for transport by highway according to the second sec	and occurately descripting to applicable in the currently available to be minimize my wast	bed above binternational option general of me which is generalic	by proper shipping to I and national gover- ted to the degree I	have determined and future is waste mona	destified, packed filans. ed to be economical threat to human hack germent method that it is a seconomical filant in the
4. GENERATOR'S CERTIFICATION: I haraby declare that the contents of this consignment are fully marked, and labeled, and are in all respects in proper condition for transport by highway account if I am a large quantity generator. I certify that I have a program in place to reduce the volus practicable and that I have selected the practicable method of treatment, storage, or disposal and the environment; OR, if I am a small quantity generator, I have made a good faith effort available to me and that I can offerd. Transporter 1 Acknowledgement of Receipt of Materials Transporter 1 Acknowledgement of Receipt of Materials Transporter 2 Acknowledgement of Receipt of Materials	and accurately descripeding to applicable in the and toxicity of we currently available to be minimize my waster. M. M. Ll.,	bed above binternational option general of me which is generalic	by proper shipping to I and national gover- ted to the degree I	have determined and future is waste mona	destified, packed from the ed to be economical threat to human hack germent method that it is a seconomical from the edgerment method that it is a seconomical from the edgerment method that it is a seconomical from the edgerment method that is a seconomical from the edg

5:10PM Feb.18. 2004 DAY OR NIGHT TELEPHONE

(510) 235-1393

ecology control industries

CERTIFICATE

P. 9 No.2345

NO.38184

CERTIFIED SERVICES COMPANY

255 Parr Boulevard - Richmond, California 94801

CUSTOMER JOB NO. 52T0898

			THE ZOID NO RATED VALLEY, CA
•	FOR: <u>Ecology Cox:</u>	==LIN TANK NO	21738 CASTRO VAlley, CA
LC	DCATION: RICHMOND CA	DATE:1202/2003_	TIME: 12:11:95
 EST METHOD	VISUAL GASTECH/1314 SMPN	LAST PRODUCT	UNLEADED GAS
Petroleum Ins	titute and have found the condi	tion to be in accordant ting at the time the i	n accordance with the American ce with its assigned designation. Inspection herein set forth was
completed and	is issued subject to compliance v	vith all qualifications and	instructions.
completed and	l is issued subject to compliance v	vith all qualifications and	l instructions.
TANK SIZE	is issued subject to compliance v	vith all qualifications and	SAFE FOR FIRE
	is issued subject to compliance v	CONDITION	SAFE FOR FIRE
TANK SIZE	is issued subject to compliance v	CONDITION	SAFE FOR FIRE SY CONTROL INDUSTRIES
TANK SIZE	10,000 GAL OXYGEN 20,8% LOWER EXPLOSIVE LI	CONDITION	SAFE FOR FIRE SY CONTROL INDUSTRIES CUT OPEN, PROCESSED.
TANK SIZE	10,000 GAL OXYGEN 20,9% LOWER EXPLOSIVE LI HERBY CERTIFIES THAT THE ABOVE	CONDITION CONDITION MIT I SSS THAN 0.1% ECOLOG NUMBERED TANK HAS BEEN R PERMITTED HAZARDOUS V	SAFE FOR FIRE SY CONTROL INDUSTRIES CUT OPEN, PROCESSED, VASTE FACILITY.
TANK SIZE	10,000 GAL OXYGEN 20.9% LOWER EXPLOSIVE LI HERBY CERTIFIES THAT THE ABOVE AND THEREFORE DESTROYED AT OL	CONDITION MIT I SSETHAN 0.1% ECOLOG NUMBERED TANK HAS BEEN IR PERMITTED HAZARDOUS V	SAFE FOR FIRE SAFE FOR FIRE CUT OPEN, PROCESSED, VASTE FACILITY.
TANK SIZE	10,000 GAL 10,000 GAL OXYGEN 20.8% LOWER EXPLOSIVE LI HERBY CERTIFIES THAT THE ABOVE AND THEREFORE DESTROYED AT OL ECOLOGY CONTROL INDUSTRIES HAR	CONDITION MIT I SSETHAN 0.1% ECOLOG NUMBERED TANK HAS BEEN IR PERMITTED HAZARDOUS V	SAFE FOR FIRE SY CONTROL INDUSTRIES CUT OPEN, PROCESSED, VASTE FACILITY.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) in the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under Sames Wilco which it was issued.

REPRESENTATIVE

TITLE

Feb. 18. 2004 5:09PM DAY On NIGHT TELEPHONE (510) 235-1393

ecology control industries

CERTIFICATE

NO.38217

CERTIFIED SERVICES COMPANY
255 Parr Boulevard - Richmond, California 94801

CUSTOMER

JOB NO. 52T0898

SHAW

	FOR:	ECOLOGY CONTRO	CLINGANK NO.	31237 Sites	2610 Norbr Teo Valley, C
9	LOCATION:	RICHMOND, CA	DATE: 12/31/2003	TIME: 1:20:50 PM	
TEST-METHOD	VISUALG	ASTECH/1314 SMPN	LAST PRODUCT	UNLEADED GAS	
		N ² year v			

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE	485LF 112GAL	CONDITION SAFE FOR FIRE
REMARKS: _	OXYGEN 20.9% LOWER EXPLOSIVE LIM	IT LESS THAN 0.1% ECOLOGY CONTROL INDUSTRIES
#7 1185*	HERBY CERTIFIES THAT THE ABOVE N	UMBERED TANK HAS BEEN OUT OPEN, PROCESSED,
	AND THEREFORE DESTROYED AT OUR	PERMITTED HAZARDOUS WASTE FACILITY.
	ECOLOGY CONTROL INDUSTRIES HAS	THE APROPRIATE PERMITS FOR, AND HAS ACCEPTED
*	THE TANK SHIPPED TO US FOR PROCE	SSING.
1.0	8a (ba a a 8	
	and the second s	

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) in the judgment of the inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the inspector's certificate.

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			24 (1) (10)			198			.74
The undersigned	representative	acknowledges	receipt of this	certificate	and understands	the condit	lons and	limitations	under
which it was issue			•			1		1.03050	-
1 hris						11	1 . 7	-	
mis	111111					1/1	/ /		

REPRESENTATIVE

TITLE

INSPECTOR

Appendix E

Laboratory Reports and Chain of Custody Forms

McCampbell Analytical Inc.

Shaw Environmental	Client Project ID: #844915.30000000;	Date Sampled: 12/11/03
4005 Port Chicago Hwy	SBC	Date Received: 12/11/03
Concord, CA 94520	Client Contact: Rob Delnagro	Date Reported: 12/12/03
Concord, CA 94520	Client P.O.:	Date Completed: 12/12/03

WorkOrder: 0312230

December 12, 2003

Dear Rob:

Enclosed are:

- 1). the results of 1 analyzed sample from your #844915.3000000; SBC project,
- 2). a QC report for the above sample
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Angela Rydelius, Lab Manager

1	166 1 11 4	1 4 1 7
	McCampbell An	ialytical inc.

Shaw Environmental	Client Project ID: #844915.30000000;	Date Sampled: 12/11/03
4005 Port Chicago Hwy	SBC	Date Received: 12/11/03
Concord, CA 94520	Client Contact: Rob Delnagro	Date Extracted: 12/12/03
Contord, Orly 1020	Client P.O.:	Date Analyzed: 12/12/03

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0312230

DAGGEROII :	HERROLL DW 2020B			Analytical riculous: Sw 8021B/8015Cm work O			Order: 0312230			
Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	TPW-I	w	ND		0.57	0.57	ND	1.0	ı	102
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	h / ///									
										
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	·									
Reporting ND means	Limit for DF =1; not detected at or	w	50	5.0	0.5	0.5	0.5	0.5	1	μg/L
	e reporting limit	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

^{*} water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DHS Certification No. 1644

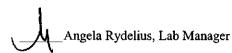
_Angela Rydelius, Lab Manager

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas), m) no recognizable pattern.

Shaw Environmental	Client Project ID: #844915.30000000;	Date Sampled: 12/11/03
4005 Port Chicago Hwy	SBC	Date Received: 12/11/03
Concord, CA 94520	Client Contact: Rob Delnagro	Date Extracted: 12/11/03
Solitoria, Orry 1900	Client P.O.:	Date Analyzed: 12/11/03

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS* Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0312230 0312230-001B Lab ID Client ID TPW-1 Reporting Limit for DF = 1Matrix W DF 1 W Compound Concentration ug/kg $\mu g/L$ tert-Amyl methyl ether (TAME) ND 0.5 NA t-Butyl alcohol (TBA) 16 NA 5.0 1,2-Dibromoethane (EDB) ND NA 0.5 1,2-Dichloroethane (1,2-DCA) ND NA 0.5 Diisopropyl ether (DIPE) ND NA 0.5 Ethyl tert-butyl ether (ETBE) ND NA 0.5 Methyl-t-butyl ether (MTBE) 24 0.5 NA Surrogate Recoveries (%) %SS: 106 Comments



^{*} water and vapor samples and all TCLP & SPLP extracts are reported in μg/L, soil/sludge/solid samples in μg/kg, wipe samples in μg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

in the second		
Mc(Campbell Analyti	cal Inc.

Shaw Environmental	Client Project ID: #844915.30000000;	Date Sampled: 12/11/03
4005 Port Chicago Hwy	SBC	Date Received: 12/11/03
Concord, CA 94520	Client Contact: Rob Delnagro	Date Extracted: 12/11/03
Concord, CA 94320	Client P.O.:	Date Analyzed: 12/11/03

Lead by Graphite Furnace Atomic Absorption*

DF	% SS
	ŀ
l l	N/A
-	<u> </u>
	1

Reporting Limit for DF =1; ND means not detected at or	w	TTLC	0.005	mg/L
above the reporting limit	S	TTLC	NA	mg/kg

^{*}water/product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate recovery outside of acceptance range due to matrix interference; & means low or no surrogate due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

McCampbell	Analytical	Inc.

Shaw Environmental	Client Project ID: #844915.30000000; SBC	Date Sampled: 12/11/03
4005 Port Chicago Hwy	SBC	Date Received: 12/11/03
Concord, CA 94520	Client Contact: Rob Delnagro	Date Extracted: 12/11/03
Concord, CA 94320	Client P.O.:	Date Analyzed: 12/12/03

Organic Lead*

Analytical methods: CA	lytical methods: CA T22 CPT11 APPDXI Work									
Lab ID	Client ID	Matrix	Lead	DF	% SS					
0312230-001D	TPW-1	w	ND	t	N/A					
			10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -							
3.2.2.0 macros										
					<u>-</u>					
Reporting Lir	nit for DF =1;	W	0.005	m	g/L					
ND means not above the re	t detected at or porting limit	S	NA		ĪA					

*water/product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate recovery outside of acceptance range due to matrix interference; & means low or no surrogate due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid-Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; 2) reporting limit raised due to matrix interference.



QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W

WorkOrder: 0312230

EPA Method: SW8021B/80)15Cm E	Extraction:	SW5030B	3	BatchID: 9665 Spiked Sample ID: 031222									
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)				
	μg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High				
TPH(btex) ^E	ND	60	94.1	94.7	0,606	93	94.6	1.65	70	130				
МТВЕ	ND	10	99.8	118	16.7	112	111	1.33	70	130				
Benzene	0.79	10	88.7	92.5	3.88	105	107	1.37	70	130				
Toluene	ND	10	98.6	99	0.339	106	107	0.911	70	130				
Ethylbenzene	ND	10	102	108	5.90	105	106	0.614	70	130				
Xylenes	ND	30	103	110	6.25	107	107	0	70	130				
%SS:	114	100	104	108	3.84	110	110	0	70	130				

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

[£] TPH(btex) = sum of BTEX areas from the FID.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QC SUMMARY REPORT FOR SW8260B

Matrix: W

WorkOrder: 0312230

EPA Method: SW8260B	E	Extraction:	SW5030E	3	BatchID:	9668	Spiked Sample ID: 0312228-010A					
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)		
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High		
tert-Amyl methyl ether (TAME)	ND	10	91	92.5	1.63	80.8	81.7	1.11	70	130		
t-Butyl alcohol (TBA)	ND	50	90.1	81	10.7	72.5	75.4	3.96	70	130		
1,2-Dibromoethane (EDB)	ND	10	118	115	2.12	105	107	1.87	70	130		
1,2-Dichloroethane (1,2-DCA)	ND	10	114	117	1.96	103	103	0	70	130		
Diisopropyl ether (DIPE)	ND	10	120	123	2.55	106	106	0	70	130		
Ethyl tert-butyl ether (ETBE)	ND	10	99.7	102	2.40	88.2	88.7	0.518	70	130		
Methyl-t-butyl ether (MTBE)	ND	10	99	99.3	0.305	86.9	88.6	1.89	70	130		
%SS1:	113	100	104	107	2.95	109	104	4.62	70	130		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

QC SUMMARY REPORT FOR E200.9

Matrix: W

WorkOrder: 0312230

EPA Method: E200.9	E	extraction:	E200.9		BatchID: 9659 Spiked Sample ID: N/A							
	Sample Spiked		MS*	M\$D*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)		
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High		
Lead	N/A	0.010	N/A	N/A	N/A	106	85.2	21.9	70	130		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QC SUMMARY REPORT FOR CA T22 CPT11 APPDXI

Matrix: W

WorkOrder: 0312230

EPA Method: CA T22 CPT1	1 APP	Extraction:	CA T22 C	PT11	BatchID:	9671	Spiked Sample ID: N/A					
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)		
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High		
Lead	N/A	0.18	N/A	N/A	N/A	97.2	107	9.66	70	130		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent

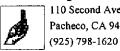
% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if. a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

McCampbell Analytical Inc.



110 Second Avenue South, #D7 Pacheco, CA 94553-5560

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 0312230

Report to:

Rob Delnagro

Shaw Environmental

4005 Port Chicago Hwy Concord, CA 94520

TEL: FAX:

925-288-9898

(925) 827-2029

ProjectNo: #844915.30000000; SBC

Bill to:

5

Accounts Payable

Shaw Environmental & Infrastructure

7

Requested Tests (See legend below)

8

4005 Port Chicago Hwy Concord, CA 94520

Date Received:

12

13

Date Printed:

11

Requested TAT:

12/11/03

1 day

12/11/03

14 15

Sample ID

0312230-001

ClientSamp1D

TPW-1

Matrix

Water

Collection Date Hold

12/11/03 1:30:00

2

D

3

C

4

В

Test Legend:

5-OXYS+PBSCV_W 1 6 11

2 G-MBTEX_W 7 12

3 OPB_W 8 13

4 PB_W 9 14

5 10 15

Prepared by: Sonia Valles

Comments:

24hr rush.

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

0312230

KUSHI

McCAMPBELL ANALYTICAL INC.												4255		-		- California	**	<i>'</i> 🐠	,							1										
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Report To: Rob I	Nolmagra			Bill T	<u></u>										E	<u>DF</u>	Reg	uire								lo	<u>w</u>	rite	On	(D)			
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<u> </u>	Tele: (925) 288-2103 Fax: (925) 827-2029 Project #: 844915.30000000 Project Name: SBC									-	(/8020		5520	(418				'			8270 /							E/E		er	LOO.	3 2				
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	1			# Containers	Type Containers	Water	Soil	Air	Sludge	Other	CE	HCL	HNO3	OTHER	BTEX &	TPH as Diesel (8015M)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	ECI	Organic Lead (Title 22)	Total Lead	MTBE/TAME/DIPE/TBA/ETBE/EDB/EDC (8260)		EDF to Tuesdai Powers	tuesdai.powers@shawgrp.com) Fax results to Rob Delnagro	rax results to Koo Deina Then mail results to Rob
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McCampbell Analytical Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com

Shaw Environmental	Client Project ID: #844915.30000000;	Date Sampled: 12/11/03
4005 Port Chicago Hwy	SBC	Date Received: 12/11/03
Concord, CA 94520	Client Contact: Rob Delnagro	Date Reported: 12/12/03
Concord, CA 74520	Client P.O.:	Date Completed: 12/12/03

WorkOrder: 0312227

December 12, 2003

Dear Rob:

Enclosed are:

- 1). the results of 2 analyzed samples from your #844915.30000000; SBC project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Angela Rydelius, Lab Manager

Yours\truly

<u> </u>	McCampbell Analytical I	nc.

Shaw Environmental	Client Project ID: #844915.30000000;	Date Sampled: 12/11/03
4005 Port Chicago Hwy	SBC	Date Received: 12/11/03
Concord, CA 94520	Client Contact: Rob Delnagro	Date Extracted: 12/11/03
0010010, 0117,020	Client P.O.:	Date Analyzed: 12/12/03

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0312227

	шешоп: 2мэнэнв			Analytical	methods: SW8021	B/8015Cm	Work	ork Order: 031			
Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	
001A	TP-1	s	ND		ND	ND	ND	ND	1	101	
002A	TP-2	s	ND		ND	ND	ND	ND	1	99.4	
			•								
				N.							
					V. 30						
Reporting ND means	Limit for DF =1; not detected at or	W	NA	NA	NA	NA	NA	NA	1	ug/L	
	e reporting limit	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg	

^{*} water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

McCampbell Analytical Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com

Shaw Environmental	Client Project ID: #844915.30000000; SBC	Date Sampled: 12/11/03	·
4005 Port Chicago Hwy	SBC	Date Received: 12/11/03	
Concord, CA 94520	Client Contact: Rob Delnagro	Date Extracted: 12/11/03	
Concord, CA 74320	Client P.O.:	Date Analyzed: 12/11/03	

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B	An	lytical Method: SW8260B	•	Work Order: 031222		
Lab ID	0312227-001A	0312227-002A		<u></u>	· · · · · · · · · · · · · · · · · · ·	
Client ID	TP-I	TP-2	:	Reporting	Limit for	
Matrix	S	S		DF		
DF	1	1	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	s	W	
Compound		Concentrat	tion	μg/Kg	ug/L	
Diisopropyl ether (DIPE)	ND	ND		5.0	NA	
tert-Amyl methyl ether (TAME)	ND	ND		5.0	NA	
t-Butyl alcohol (TBA)	ND	ND		25	NA	
1,2-Dibromoethane (EDB)	ND	ND		5.0	NA	
1,2-Dichloroethane (1,2-DCA)	ND	ND		5.0	NA	
Ethyl tert-butyl ether (ETBE)	ND	ND		5.0	NA	
Methyl-t-butyl ether (MTBE)	ND	ND		5.0	NA	
	Surro	gate Recoveries (%)				
%SS:	100	101				
Comments						

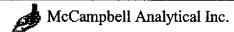
* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe,

product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.



Shaw Environmental	Client Project ID: #844915.30000000;	Date Sampled: 12/11/03
4005 Port Chicago Hwy	SBC	Date Received: 12/11/03
Concord, CA 94520	Client Contact: Rob Delnagro	Date Extracted: 12/11/03
Concord, 0/17-1020	Client P.O.:	Date Analyzed: 12/11/03

Lead by ICP*

Extraction method: SW	3050B		Analytical	methods: 6010C	Work Order:	: 0312227	
Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS	
0312227-001A	TP-1	s	TTLC	12	1	116	
0312227-002A	TP-2	s	TTLC	12	ı	107	

1	Reporting Limit for DF =1;	W	TTLC	NA	mg/L
-	above the reporting limit	S	TTLC	5.0	mg/Kg

^{*}water/product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid-Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

J

[#] means surrogate recovery outside of acceptance range due to matrix interference; & means low or no surrogate due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

d	McCampbell	Analytical
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110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622

McCan	npbell Analyt	tical Inc.		Telepl http://www.t	none: 925-798-1620 Fa. nccampbell.com E-mail:	x:925-798-1623 main@mccampb	2 pell.com	
Shaw Environme	ental	Client Proje	ct ID: #8449	15.30000000;	Date Sampled:	12/11/03		
4005 Port Chicas	Concord, CA 94520 Client Contact: Roccinet P.O.: Client P.O.:				Date Received:	12/11/03		
Shaw Environmental Client Project ID: # SBC 4005 Port Chicago Hwy Client Contact: Rob Client P.O.: On Analytical methods: CA T22 CPT11 APPD XI Lab ID Client ID Matrix 0312227-001A TP-1 S				agro	Date Extracted:	12/11/03		
Concord, Cri 54.	J2V	Client P.O.:			Date Analyzed:	12/12/03		
			Organi	: Lead*	· · · · · ·			
Analytical methods: Ca	A T22 CPT11 APPD >	II				Wor	rk Order:	0312227
Lab ID	Client ID	Matrix		Lead			DF	% SS
0312227-001A	TP-1	S	ND			1	N/A	
0312227-002A	TP-2	S		ND			1	N/A
	_	[

Reporting Limit for DF =1; ND means not detected at or	w	NA	NA
above the reporting limit	s	0.5	mg/Kg

^{*}water/product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate recovery outside of acceptance range due to matrix interference; & means low or no surrogate due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid-Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

Angela Rydelius, Lab Manager

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0312227

EPA Method: SW8021B	1/8015Cm E	Extraction:	SW5030E	3	BatchID:	9657	S	piked Samp	le ID: 03122	17-003A
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex) [£]	ND	0.60	107	104	2.47	105	106	0.484	70	130
МТВЕ	NĐ	0.10	101	98.9	2.28	97.5	96.4	1.20	70	130
Benzene	ND	0.10	109	108	1.65	108	105	2.78	70	130
Toluene	ND	0.10	96.3	94.4	2,00	94.7	92.4	2.48	70	130
Ethylbenzene	ND	0.10	114	112	1.44	110	109	1.16	70	130
Xylenes	ND	0.30	107	107	0	100	100	0	70	130
%SS:	93.3	100	104	107	2.84	93.7	90.1	3.92	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

[£] TPH(btex) = sum of BTEX areas from the FID.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QC SUMMARY REPORT FOR SW8260B

Matrix: S

WorkOrder: 0312227

EPA Method: SW8260B	E	extraction:	SW5030E	3	BatchID:	9633	\$	piked Sample ID: 0312126-001A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)		
	μg/Kg	μg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High		
tert-Amyl methyl ether (TAME)	ND	50	80.7	75.6	6.49	78.3	77.3	1.34	70	130		
t-Butyl alcohol (TBA)	ND	250	86.2	80.9	6.29	85.7	82.4	4.02	70	130		
1,2-Dibromoethane (EDB)	ND	50	103	103	0	102	100	1.47	70	130		
1,2-Dichloroethane (1,2-DCA)	ND	50	104	99.7	4.04	97.6	99.8	2.21	70	130		
Diisopropyl ether (DIPE)	ND	50	107	101	6.31	104	103	1.24	70	130		
Ethyl tert-butyl ether (ETBE)	ND	50	86.8	82	5.60	85	83.8	1.46	70	130		
Methyl-t-butyl ether (MTBE)	ND	50	88.9	82.5	7.42	85.3	84.3	1.11	70	130		
%SS1:	100	100	109	103	5.32	105	104	0.139	70	130		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if; a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or language content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

QC SUMMARY REPORT FOR 6010C

Matrix: S

WorkOrder: 0312227

EPA Method: 6010C	ε	xtraction:	SW3050E	3	BatchID:	9632	Spiked Sample ID: N/A					
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High		
Lead	N/A	50	N/A	N/A	N/A	109	111	1.41	80	120		
%SS:	N/A	100	N/A	N/A	N/A	105	106	0.473	80	120		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QC SUMMARY REPORT FOR CA T22 CPT11 APPD XI

Matrix: S

WorkOrder: 0312227

EPA Method: CA T22 CPT1	1 APP	Extraction:	CA T22 C	PT11	BatchID:	9667	s	piked Sampi	e ID: 03122	27-002A	
	Sample	Sample Spiked I		MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	-LCSD Acceptance Cr		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High	
Lead	N/A	2.564	N/A	N/A	N/A	87.7	87.2	0.516	70	130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

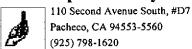
N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

McCampbell Analytical Inc.



CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 0312227

Report to:

Rob Delnagro

Shaw Environmental 4005 Port Chicago Hwy

Concord, CA 94520

TEL:

925-288-9898

FAX: (925) 827-2029 ProjectNo: #844915.30000000; SBC

PO:

Bill to:

Accounts Payable

Shaw Environmental & Infrastructure

4005 Port Chicago Hwy Concord, CA 94520 Date Received:

Requested TAT:

12/11/03

1 day

Date Printed: 12/11/03

						**				Reques	ted Test	s (See l	egend b	elow)					
Sample ID	ClientSampID	Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
										•									
0312227-001	TP-1	Soil	12/11/03 1:50:00		Α	Α	Α	Α									1		
0312227-002	TP-2	Soil	12/11/03 1:55:00		Α	Α	Α	Α							l				

Test Legend:

1	5-OXYS+PBSCV_S
6	
11	

2	G-MBTEX_S
7	
12	

3	OPB_S
8	
13	

4	1	PB_S
(9	
1	4	

5	
10	
15	

Prepared by: Sonia Valles

Comments:

24hr rush.

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

031227

KES

McCAMPBELL ANALYTICAL INC. CHAIN OF CUSTODY 110 2nd AVENUE SOUTH, #D7 TURN AROUND TIME PACHECO, CA 94553-5560 48 HR 72 HR 5 DAY Telephone: (925) 798-1620 Fax: (925) 798-1622 EDF Required? Coelt (Normal) Write On (DW) No No Report To: Rob Delnagro Bill To: **Analysis Request** Other Comments Company: Shaw Environmental & Infrastructure, Inc. Total Petroleum Oil & Grease (5520 E&F/B&F) 8015) 4005 Port Chicago Highway MTBE /TAME/DIPE/TBA/ETBE/EDB/EDC (8260) Fax results to Rob Delnagro. Concord, CA 94520 PAH's / PNA's by EPA 625 / 8270 / 8310 tuesdai.powers@shawgrp.com) Total Petroleum Hydrocarbons (418.1) Tele: (925) 288-2103 Fax: (925) 827-2029 **EDF** to Tuesdai Powers (/8020 Project #: 844915.30000000 Project Name: SBC Project Location: 2610 NORBRIDGE DRIVE, CASTRO VALLEY, CA EPA 608 / 8080 PCB's ONLY Lead (7240/7421/239.2/6010) Organic Lead (Title 22) BTEX ONLY (EPA 8020) Sampler Signature: TPH as Diesel (8015M) EPA 624 / 8240 / 8260 METHOD MATRIX SAMPLING Type Containers PRESERVED # Containers CAM-17 Metals EPA 601 / 8010 EPA 608 / 8080 EPA 625 / 8270 LUFT 5 Metals Total Lead SAMPLE ID LOCATION BTEX & OTHER Sludge HN03 Time Water Date Other HCL ICE Soil Air RC $\mathbf{X} \mid \mathbf{X}$ Received By Time: 1507 Relingvished By: VOAS O&G METALE OTHER ICE/tº PRESERVATION Refinquished By: Time: Received By: GOOD CONDITION S APPROPRIATE HEAD SPACE ABSENT CONTAINERS DECHLORINATED IN LAB PERSERVED IN LAB Relinguished By: Date: Time: Received By:

1 N. C 1 11 A 1 C 17	110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
McCampbell Analytical Inc.	Telephone: 925-798-1620 Fax: 925-798-1622
	http://www.mccampbell.com E-mail: main@mccampbell.com

Shaw Environmental	Client Project ID: 844915.30000000; SBC	Date Sampled: 12/11/03
4005 Port Chicago Hwy		Date Received: 12/11/03
Concord, CA 94520	Client Contact: Rob Delnagro	Date Reported: 12/12/03
	Client P.O.:	Date Completed: 12/12/03

WorkOrder: 0312224

December 12, 2003

Dear Rob:

Enclosed are:

- 1). the results of 1 analyzed sample from your 844915.30000000; SBC project,
- 2). a QC report for the above sample
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Angela Rydelius, Lab Manager

Yours truly

4	McCampbell

Analytical Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone: 925-798-1620 Fax: 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Shaw Environmental	Client Project ID: 844915,30000000; SBC	Date Sampled: 12/11/03
4005 Port Chicago Hwy		Date Received: 12/11/03
Concord, CA 94520	Client Contact: Rob Delnagro	Date Extracted: 12/11/03
Control of 194020	Client P.O.:	Date Analyzed: 12/12/03

Extraction 1	nethod: SW5030B		,- (,		methods: SW8021		th BTEX and I		Order: 0	312224
Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% S
001A	CS-1-4	S	ND		ND	ND	ND	ND	1	106
									<u> </u>	
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	<u> </u>				:					
				.,		-				
]										
Reporting	Limit for DF =1; not detected at or	w	NA	NA	NA	NA	NA	NA	ı	ug/
	reporting limit	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg

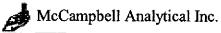
* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; c) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager



				
Shaw Environmental	Client Project ID: 844915.30000000; SBC	Date Sampled: 12/11/03		
4005 Port Chicago Hwy		Date Received: 12/11/03		
Concord, CA 94520	Client Contact: Rob Delnagro	Date Extracted: 12/11/03		
011010, 0119,020	Client P.O.:	Date Analyzed: 12/11/03		
Oxygen	ated Volatile Organics + EDB and 1,2-DCA by	P&T and GC/MS*		
Extraction Method: SW5030B	Analytical Method: SW8260B	Work Order: 0312224		

Oxygenate	d Volatile Organics -	+ EDB and 1,2-DCA by P&T and	GC/MS*		
Extraction Method: SW5030B	Analytica	Work Orde	Work Order: 0312224		
Lab ID	0312224-001A				
Client ID	CS-1-4		Reporting :		
Matrix	S		DF:	DF =1	
DF	1		S	W	
Compound		Concentration	μ g/ Kg	ug/L	
Diisopropyl ether (DIPE)	ND		5.0	NA	
tert-Amyl methyl ether (TAME)	ND		5.0	NA	
t-Butyl alcohol (TBA)	МД		25	NA	
1,2-Dibromoethane (EDB)	ND		5.0	NA	
1,2-Dichloroethane (1,2-DCA)	ND		5.0	NA	
Ethyl tert-butyl ether (ETBE)	ND		5.0	NA	
Methyl-t-butyl ether (MTBE)	ND		5.0	NA	
	Surrogat	e Recoveries (%)			
%SS:	99.8				
Comments					
	1		I		

^{*} water and vapor samples and all TCLP & SPLP extracts are reported in μg/L, soil/sludge/solid samples in μg/kg, wipe samples in μg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

A B	McCampbell	Analytical	Inc.

Shaw Environmental	Client Project ID: 844915.30000000; SBC	Date Sampled: 12/11/03
4005 Port Chicago Hwy		Date Received: 12/11/03
Concord, CA 94520	Client Contact: Rob Delnagro	Date Extracted: 12/11/03
	Client P.O.:	Date Analyzed: 12/11/03

Lead by ICP*

Extraction method: SW	W3050B Analytical methods: 6010C		methods: 6010C	Work Order: 031222		
Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0312224-001A	CS-1-4	S	TTLC	ND	1	106
	-					
	•					
-						
						_
	·					
	TROOPER S					ļ <u></u>
	,					
			,			

Reporting Limit for DF =1; ND means not detected at or	W	TTLC	NA	mg/L
above the reporting limit	S	TTLC	5.0	mg/Kg

*water/product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate recovery outside of acceptance range due to matrix interference; & means low or no surrogate due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid-Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

Angela Rydelius, Lab Manager

	McCampbell	Analytical	Inc
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110 2nd Avenue South, #D7, Pacheco, CA 94553-5560

Micca	mpoen Anaryu	cai nic.	http://www.n	one: 925-798-1620 Par accampbell.com E-mail: 1	k:925-798-162. main@mccampb	z ell.com	
Shaw Environn	nental	Client Project ID: 8	44915.30000000; SBC	Date Sampled:	12/11/03		
4005 Port Chic	ago Hwy		12/11/03				
Concord, CA 94520 Client Contact: Rob Delnagro				Date Extracted:	12/11/03		
Concord, CA 5		Client P.O.;		Date Analyzed:	12/12/03		
 			ganic Lead*				
	CA T22 CPT11 APPD XI			<u> </u>	Wo	rk Order:	0312224
Lab ID	Client ID	Matrix	Lead			DF	% SS
0312224-001A	CS-1-4	S	ND			1	N/A
				,		<u> </u>	
							and the same of
	Limit for DF =1;	W	NA			N	۱A
B)	reporting limit	S	0.5			me	/Kg

*water/product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate recovery outside of acceptance range due to matrix interference; & means low or no surrogate due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid-Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; 2) reporting limit raised due to matrix interference.

Angela Rydelius, Lab Manager

mg/Kg

above the reporting limit

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622

http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0312224

EPA Method:	SW8021B/8015Cm 1	Extraction:	SW5030B	BatchID: 9657 Spiked Sample ID: 0312217-00						217-003A
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex) [£]	. ND	0.60	107	104	2.47	105	106	0.484	70	130
МТВЕ	ND	0.10	101	98.9	2.28	97.5	96.4	1.20	70	130
Benzene	ND	0.10	109	108	1.65	108	105	2.78	70	130
Toluene	ND	0.10	96.3	94.4	2.00	94.7	92.4	2.48	70	130
Ethylbenzene	ND	0.10	114	112	1.44	110	109	1.16	70	130
Xylenes	ND	0.30	107	107	0	100	100	0	70	130
%SS:	93.3	100	104	107	2.84	93.7	90.1	3.92	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

[£] TPH(btex) = sum of BTEX areas from the FID.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QC SUMMARY REPORT FOR SW8260B

Matrix: S

WorkOrder: 0312224

EPA Method: SW8260B	E	Extraction: SW5030B Ba				BatchID: 9633			Spiked Sample ID: 0312126-001A		
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)	
	μg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High	
tert-Amyl methyl ether (TAME)	ND	50	80.7	75.6	6.49	- 78.3	77.3	1.34	70	130	
t-Butyl alcohol (TBA)	ND	250	86.2	80.9	6.29	85.7	82.4	4.02	70	130	
1,2-Dibromoethane (EDB)	ND	50	103	103	0	102	100	1.47	70	130	
1,2-Dichloroethane (1,2-DCA)	ND	50	104	99.7	4.04	97.6	99.8	2.21	70	130	
Diisopropyl ether (DIPE)	ND	50	107	101	6.31	104	103	1.24	70	130	
Ethyl tert-butyl ether (ETBE)	ND	50	86.8	82	5.60	85	83.8	1.46	70	130	
Methyl-t-butyl ether (MTBE)	ND	50	88.9	82.5	7.42	85.3	84.3	1.11	70	130	
%SS1:	100	100	109	103	5.32	105	104	0.139	70	130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

QC SUMMARY REPORT FOR 6010C

Matrix: S

WorkOrder: 0312224

EPA Method: 6010C	£	Extraction: SW3050B			BatchID: 9632			Spiked Sample ID: N/A			
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High	
Lead	N/A	50	N/A	N/A	N/A	109	111	1.41	80	120	
%SS:	N/A	100	N/A	N/A	N/A	105	106	0.473	80	120	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QC SUMMARY REPORT FOR CA T22 CPT11 APPD XI

Matrix: S

WorkOrder: 0312224

EPA Method: CA T22 CPT11 APP Extraction: CA T22 CPT11			BatchID:	9667	Spiked Sample ID: 0312227-002A					
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Lead	N/A	2.564	N/A	N/A	N/A	87.7	87.2	0.516	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

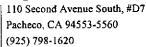
N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

McCampbell Analytical Inc.



CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 0312224

Report to:

Rob Delnagro

Shaw Environmental 4005 Port Chicago Hwy Concord, CA 94520

TEL: FAX:

925-288-9898

(925) 827-2029 ProjectNo: 844915.30000000; SBC

PO:

Bill to:

Accounts Payable

Shaw Environmental & Infrastructure

4005 Port Chicago Hwy Concord, CA 94520

Date Received:

Date Printed:

Requested TAT:

12/11/03 12/11/03

1 day

Requested Tests (See legend below) Collection Date Hold 2 3 4 5 7 8 10 11 12 13 14 15 Sample ID ClientSampID Matrix 0312224-001 CS-1-4 12/11/03 8:45:00 Soil

Test Legend:

1	5-OXYS+PBSCV_S
6	
11	

2	G-MBTEX_S
7	
12	

3	OPB_S
8	
13	

4	PB_S
9	
14	

5	
10	
15	

Prepared by: Sonia Valles

Comments:

24hr rush.

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

0312224 1654.

McCAMPBELL ANALYTICAL INC.											CHAIN OF CUSTODY RECORD																							
110 2nd AVENUE SOUTH, #D7																								_										
PACHECO, CA 94553-5560												LUI	URN AROUND TIME										La sun la											
Telephone: (925) 798-1620 Fax: (925) 798-1622												E	DF	Ren	uire	A?	Спе	l <i>t (</i>	No	ma	n	- Ri No				ak On					2 HF		5 DAY	
Report To: Rob Delnagro Bill To:													 ~		100	411.0		Ana						<u></u>	***	itt	<u> </u>	(1)		ther		TC	mn	nents
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