January 3, 2014

Mr. Ed Easley Western Regional President Lennar Multifamily Communities 25 Enterprise, #100 Aliso Viejo, California 92656

SUBJECT: UNDERGROUND STORAGE TANK REMOVAL AND ASSESSMENT

Alaska Street Texaco/SKS Shell (Facility No. 39196282)

3901 Southwest Alaska Street

Seattle, Washington

SoundEarth Project No.: 0914-001-07

Dear Mr. Easley:

SoundEarth Strategies, Inc. (SoundEarth) has prepared this letter report to summarize the removal and assessment of four gasoline underground storage tanks (USTs) at 3901 Southwest Alaska Street in Seattle, Washington (the Property; Figure 1). The UST assessment was conducted in accordance with the Washington State Department of Ecology's (Ecology) Underground Storage Tank Regulations (Chapter 173-360 of the Washington Administrative Code [WAC]), Ecology's Guidance for Site Checks and Site Assessments for Underground Storage Tanks (Publication #90-52, revised April 2003), and the Washington State Model Toxics Control Act (MTCA) cleanup regulation (Chapter 173-340 WAC).

### SITE BACKGROUND

The Alaska Street Texaco/SKS Shell Property was developed as a gasoline station and an automotive repair facility in 1934. Successive oil companies retailing gasoline products at the Property include Gilmore Red Lion in the 1930s, Mobil Oil in the 1940s, Texaco in the 1950s, Atlantic Richfield in the 1960s, Arco from 1975 to 1995, Texaco from approximately 1998 to 2004, and Shell from 2004 until July 2013.

In 1950, the original 1934 gasoline fueling equipment was removed and two 4,000-gallon USTs were installed. The pump island and service station office were removed in 1961 and replaced with a new pump island, relocated to locations as shown on Figure 2. An additional 8,000-gallon UST was installed in 1974. The 1950-vintage USTs were removed in 1984 and replaced with one 10,000-gallon UST and two 12,000 gallon USTs. Over time, leaded and unleaded gasoline and diesel fuel have been used and stored in various USTs at the Alaska Street Texaco/SKS Shell Property.

Alaska Street Texaco has been listed as a leaking UST site since 1995 and has a history of subsurface assessments and past in situ remediation efforts. The property is known to have soil and groundwater

impacted by gasoline and diesel at levels exceeding Ecology's MTCA Method A Cleanup Levels. Petroleum-impacted soil has been documented at depths typically ranging from 15 to 25 feet across the northern half of the Property. Free-phase gasoline product has been periodically observed in on-site monitoring wells MW-3 and GLMW-2 (Figure 2). Environmental assessments conducted by SoundEarth in 2012 indicated that petroleum constituents have migrated to a limited extent into the adjoining Alaska Street and Fauntleroy Way right-of-ways (ROWs).

The Site is currently enrolled in Ecology's Voluntary Cleanup Program (VCP No. NW2715, Facility/Site No. 39196282). A Prospective Purchaser Consent Decree for the Property was negotiated with Ecology and lodged in court in July 2013.

# SITE GEOLOGY

Soil borings previously conducted on the Property by Environmental Associates Inc., The Riley Group, and G-Logics, Inc., generally encountered fill to a depth of 5 feet, underlain by silty fine sand and occasional layers of fine sandy silt to 40 feet. Soil borings conducted in the adjacent ROWs by SoundEarth in 2012 typically encountered approximately 5 feet of fill underlain by brown silty fine sand to a depth of approximately 35 feet, grading to a gray fine sandy silt to a depth of 55 feet, the maximum depth of boring. Groundwater depth in all of the borings and wells was approximately 22 to 24 feet below grade.

### **ECOLOGY NOTIFICATION**

SoundEarth submitted a 30-Day Notice to Ecology on September 18, 2013 (Attachment A). On November 22, 2013, SoundEarth notified Mr. Andrew Imke, Senior UST Inspector with Ecology, of the schedule to remove the tanks during the week of December 2, 2013. Ms. Libby Goldstein, Ecology's VCP site manager, was also notified on November 22, 2013.

### UNDERGROUND STORAGE TANK REMOVAL AND ASSESSMENT

Removal of the USTs required installation of structural shoring to support the east-adjoining sidewalk. Lennar Multifamily Communities subcontracted the shoring task to Kulchin Foundation Drilling Company (Kulchin). Between November 11 and November 15, 2013, a total of eight 30-inch-diameter soldier pile borings were drilled to a depth of 40 feet in the ROW along the east Property line, immediately adjacent to the USTs. The pilings were installed and encased in controlled-density fill. The pilings are also to be integrated into a shoring system for a proposed mass-excavation for Property redevelopment planned for 2014.

SoundEarth Strategies Construction, LLC (SoundEarth Construction) assisted Kulchin in handling and disposing of Class 3 petroleum-impacted auger cuttings. A total of 128.02 tons were transported to the Allied Waste Third and Lander facility in Seattle and 43.85 tons was transported to the Cemex treatment facility in Everett, Washington. Disposal certificates are included in Attachment A. SoundEarth Construction also handled the removal of the fuel dispensers and demolition of the pump canopy one week before the Kulchin pile installation work.

# **Tank Removal**

SoundEarth Construction conducted the UST removal activities between December 2 and 5, 2013. The following tanks were removed, with locations shown on Figure 2, and photographs presented in Attachment B.

- Tank #1, a 12,000-gallon single-walled epoxy-coated steel gasoline UST installed in 1984.
- Tank #2, a 12,000-gallon single-walled epoxy-coated steel gasoline UST installed in 1984.
- Tank #3, a 10,000-gallon single-walled epoxy-coated steel gasoline UST installed in 1984.
- Tank #4, an 8,000-gallon single-walled epoxy-coated steel gasoline UST installed in 1974.

On December 2, the UST area was cleared of concrete and the tops of the USTs were exposed. Overburden soil was segregated as Stockpile SP01. Tanks #1 and #2 were measured as 21 feet long and 10 feet in diameter. Tank #3 was measured 18 feet long and 10 feet in diameter. Tank #4 was measured 22 feet long and 8 feet in diameter. The top of the tanks were approximately 4.5 feet below grade. Fuel piping was a combination of single-walled steel and double-walled fiberglass. The USTs and piping layout are shown on Figure 2.

On December 2 and 3, the tanks were filled with carbon dioxide and certified as inert by Marine Chemist Donald Sly (Certificate #46253). The tanks were triple rinsed by Emerald Services, with a total of 317 gallons of rinseate removed and transported to the Emerald Services facility on Marginal Way in Seattle for treatment. The Seattle Fire Department subsequently issued a tank removal permit on December 3, 2013 (Permit #5-224478).

The four USTs and associated piping were removed on December 4 and 5, 2013, by SoundEarth Construction, under the supervision of Mr. Dan Kuhn (ICC Certification #8187530). Mr. David Mendel, a certified UST Assessor (ICC Certification #8164369) from SoundEarth observed the removal. All four tanks were observed to be in good condition, with no indications of excessive rust or holes (other than holes created by the excavation equipment). The tanks were transported to Calbag Steel LLC in Tacoma, Washington (certificates included in Attachment A).

Mr. Mendel, a SoundEarth staff geologist, field-screened using a photoionization detector (PID) and collected ten confirmation soil samples from the excavation sidewalls and bottom. Locations of the soil samples are shown on Figure 2 and the results are summarized in Table 1.

# **Underground Storage Tank Assessment**

As indicated in Table 1, four sidewall samples, two pump island bottom samples, and four tank bottom samples were collected from the final excavation. Three samples were collected from the excavation soil comprising stockpile SP01. Sample locations are shown on Figure 2.

None of the confirmation soil samples exhibited discoloration, sheens, or free-phase product. Low to moderate fuel odors were noted on the north edge of the excavation and in shallow soils near the pump islands. PID readings ranged from less than 1 part per million by volume (ppmv) below UST #2 (sample UST02-B-14) to 78.3 ppmv below UST #3 (sample UST03-B-13). PID readings for three stockpile samples ranged from 29.6 to 269 ppmv.

The soil samples were submitted to Friedman & Bruya, Inc., laboratory for analysis of gasoline-range petroleum hydrocarbons (GRPH) by Ecology's Northwest Total Petroleum Hydrocarbon (NWTPH) Method NWTPH-Gx; diesel-range petroleum hydrocarbons (DRPH) by NWTPH-Dx; and benzene, toluene, ethylbenzene and xylenes (BTEX) by United States Environmental Protection Agency Method 8021B. The results of the analysis are summarized below.

- North sidewall sample EX01-NSW-13 contained 42 milligrams per kilogram (mg/kg) GRPH, slightly exceeding the MTCA cleanup level of 30 mg/kg. Benzene was detected in sample EX01-NSW-13 at a concentration of 0.024 mg/kg (below the MTCA cleanup level of 0.030 mg/kg).
- Pump island excavation sample PI01-01 contained 35 mg/kg GRPH, slightly exceeding the MTCA cleanup level of 30 mg/kg. Trace levels of toluene, ethylbenzene, and xylenes were also detected at levels well below MTCA cleanup levels.
- All other excavation samples contained concentrations of GRPH, DRPH, and BTEX well below their respective MTCA cleanup levels or were below laboratory detection limits.
- Stockpile SP01 contained concentrations of GRPH ranged from 20 mg/kg to 92 mg/kg.

A summary of soil analytical results is included in Table 1. The laboratory report for the UST Assessment samples is presented in Attachment C.

### **SUMMARY AND CONCLUSIONS**

Four gasoline USTs ranging in capacity from 8,000 to 12,000 gallons were removed on December 4 and 5, 2013. The single-walled steel tanks appeared to be in good condition with no evidence holes or significant corrosion. Other than low to moderate petroleum odors noted during clearing of the pump island areas, no significant odors or sheens were noted in soil immediately below or surrounding the tanks. All fuel piping and dispenser systems associated with the USTs were also removed.

A total of ten soil verification samples were collected from the excavation sidewalls and bottom. Two samples slightly exceeded Method A cleanup levels for GRPH (the north sidewall sample contained 42 mg/kg GRPH, and the west pump island sample contained 35 mg/kg GRPH). All other verification samples contained GRPH, DRPH, and BTEX at concentrations below Method A levels, or were undetected. Therefore, significant petroleum contamination previously identified at the Site appears to be related to releases from older-era tanks and dispensing systems.

A total of 171.87 tons of soil cuttings from the eight Kulchin auger pile borings was transported to Allied Waste and Cemex as Class 3 petroleum-contaminated soil.

Approximately 70 cubic yards of soil removed from the pump island areas and above the tanks (stockpile SP01) was used as backfill for the base of the excavation. Samples collected from SP01 contained up to 92 mg/kg GRPH and up to 0.099 mg/kg benzene, both exceeding the MTCA Method A cleanup level of 30 mg/kg and 0.030 mg/kg, respectively. The soil was compacted and covered with a poly liner. The remainder of the excavation was backfilled and compacted with clean import soil. The petroleum-impacted soil placed in the base of the excavation will be removed during redevelopment excavations planned in 2014, as described in the Ecology-approved SoundEarth Draft Cleanup Action Plan dated June 6, 2013.

# **LIMITATIONS**

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with our agreement with Lennar Multifamily Communities. This report is solely for the use of Lennar Multifamily Communities, unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Findings and conclusions contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. SoundEarth is not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. SoundEarth does not warrant the accuracy of information supplied by others or the use of segregated portions of this report.

# **CLOSING**

SoundEarth appreciates this opportunity to provide Lennar Multifamily Communities with environmental consulting services. Please call either of the undersigned at (206) 306-1900 if you have any questions or comments regarding the content of this report.

Respectfully,

SoundEarth Strategies, Inc.

David Mendel Staff Geologist

UST Site Assessor #8164369

Rob Roberts

**Associate Scientist** 

Attachments: Figure 1, Property Location Map

Figure 2, Site Plan

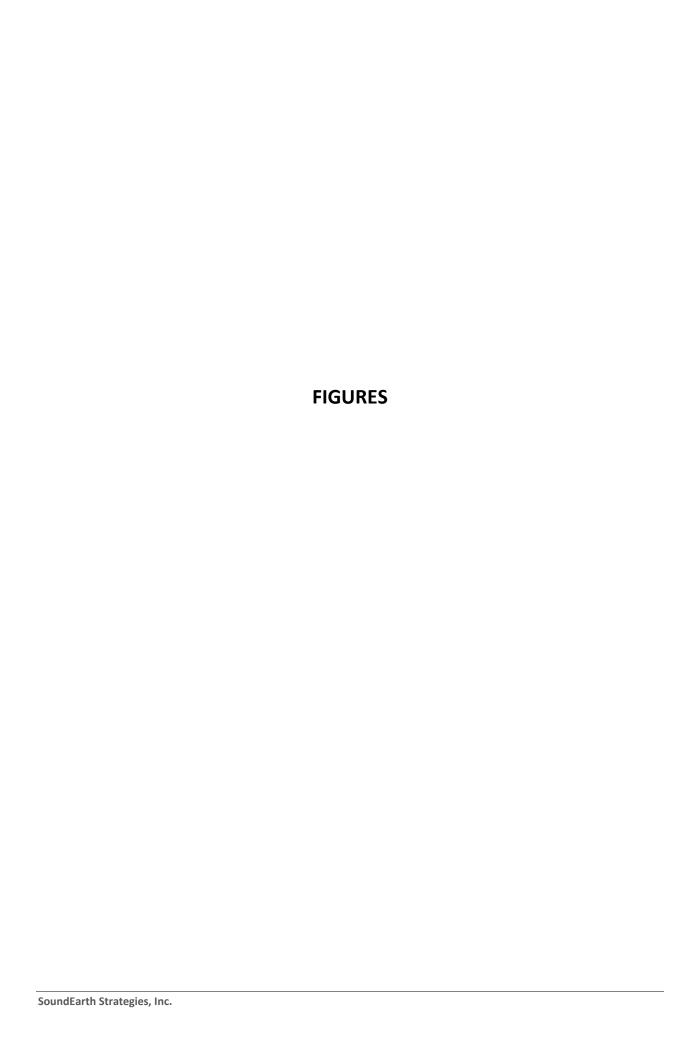
Table 1, Summary of Soil Analytical Results A, Disposal and Closure Documentation

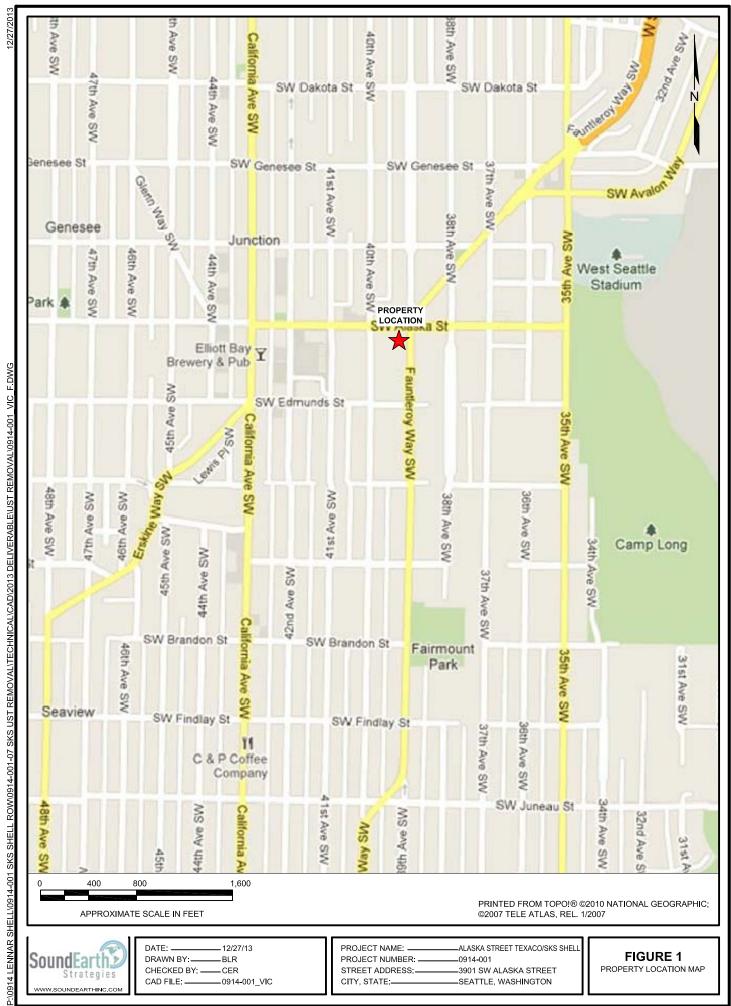
B, Property Photographs

C, Laboratory Analytical Report

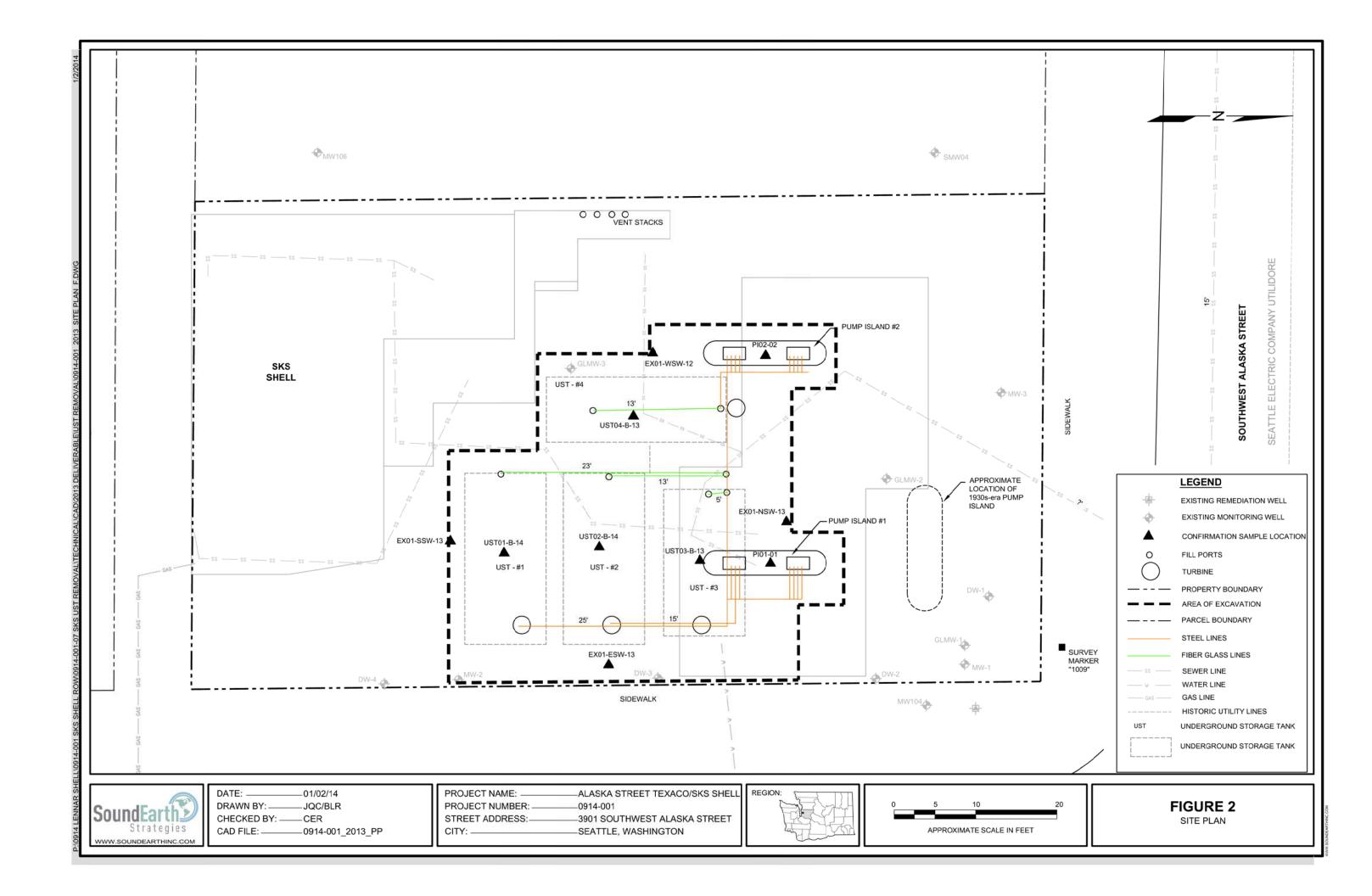
Friedman & Bruya, Inc. #312074

CER/JRF:mdb/amr





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# **TABLE** SoundEarth Strategies, Inc.



# Table 1 Summary of Soil Analytical Results Alaska Street Texaco/SKS Shell 3501 Southwest Alaska Street Seattle, Washington

				Analytical Results (mg/kg)						
Sample Location	Sample Identification	Date Sampled	Sample Depth	GRPH <sup>(1)</sup>	Benzene <sup>(2)</sup>	Toluene <sup>(2)</sup>	Ethyl- benzene <sup>(2)</sup>	Total Xylenes <sup>(2)</sup>	DRPH <sup>(3)</sup>	ORPH <sup>(3)</sup>
			US	T System Confirma	tion Samples					
Pump Island 1	PI01-01	12/04/13	1	35	<0.02	0.37	0.17	2.2	480	<250
UST 3	UST03-B-13	12/04/13	13	<2	<0.02	0.025	<0.02	0.095	<50	<250
Excavation Sidewall (North)	EX01-NSW-13	12/04/13	13	42	0.024	0.12	<0.02	0.15	<50	<250
UST 2	UST02-B-14	12/04/13	14	<2	<0.02	<0.02	<0.02	<0.06	<50	<250
Excavation Sidewall (East)	EX01-ESW-13	12/04/13	13	<2	<0.02	<0.02	<0.02	<0.06	<50	<250
UST 1	UST01-B-14	12/04/13	14	<2	<0.02	<0.02	<0.02	<0.06	<50	<250
Excavation Sidewall (South)	EX01-SSW-13	12/04/13	13	<2	<0.02	<0.02	<0.02	<0.06	<50	<250
Pump Island 2	PI02-02	12/05/13	2	<2	<0.02	<0.02	<0.02	<0.06	<50	<250
Excavation Sidewall (West)	EX01-WSW-12	12/05/13	12	<2	<0.02	<0.02	<0.02	<0.06	<50	<250
UST 4	UST04-B-13	12/05/13	13	4.0	<0.02	<0.02	<0.02	<0.06	<50	<250
				Stockpile Sam	ples					
Stockpile 01	SP01-01	12/05/13		83	0.048	1.3	0.67	4.4	<50	<250
Stockpile 01	SP01-02	12/05/13		92	0.099	2.5	1.1	6.4	<50	<250
Stockpile 01	SP01-03 <sup>pc</sup>	12/05/13		20	<0.02	0.14	0.10	1.0	<50	<250
TCA Cleanup Level for Soil <sup>(4)</sup>	·			100/30 <sup>(5)</sup>	0.03	7	6	9	2,000	2,000

### NOTES:

Samples analyzed by Friedman & Bruya, Inc. of Seattle, Washington.

Administrative Code, revised November 2007.

### Laboratory Not

< = not detected at a concentration exceeding the laboratory reporting limit

-- = not analyzed

DRPH = diesel-range petroleum hydrocarbons

GRPH = gasoline-range petroleum hydrocarbons

mg/kg = milligrams per kilogram

MTCA = Washington State Model Toxics Control Act

ORPH = oil-range petroleum hydrocarbons

UST = underground storage tank

P:0914 Lennar Shelli0914-001 SKS Shell ROW/Technical/Tables\0914\_UST Removal Table1\_Soil\_F.xisx

<sup>&</sup>lt;sup>(1)</sup>Analyzed by Northwest Total Petroleum Hydrocarbon Method NWTPH-Gx.

<sup>&</sup>lt;sup>(2)</sup>Analyzed by United States Environmental Protection Agency Method 8021B.

<sup>&</sup>lt;sup>(3)</sup>Analyzed by Northwest Total Petroleum Hydrocarbon Method NWTPH-Dx

 $<sup>^{(4)}</sup>$ MTCA Method A Soil Cleanup Levels, Table 740-1 of Section 900 of Chapter 173-340 of the Washington

 $<sup>^{(5)}100</sup>$  mg/kg when benzene is not present and 30 mg/kg when benzene is present.

pcThe sample was received in a container not approved by the method. The value reported should be considered an estimate.

# ATTACHMENT A DISPOSAL AND CLOSURE DOCUMENTATION



# UNDERGROUND STORAGE TANK (UST) 30-DAY NOTICE

(See back of form for instructions)

FOR OFFIC	E USE ONLY
Site ID #	
FS ID#	

	he appropriate bo  O / Central (509):	to Insta	all to	Intent Close 29-3400 / No	rthwest (425)649-7000	/ Southwest (360)407-6300				
SITE INFORMATION	Value of the second			OWNER	INFORMATION will be returned to this addre					
3919698				LMI West Seattle, LLC						
Tag or UBI number				UST Owner/Operator						
Alaska St	Texaco			1191 20d Ave Suite 1570						
Alaska St Site Name 390\ SW A	P2 201214			Mailing A	.ddress/PO Box					
Site Physical Addre	TLASKA 21			Secti	<u>e</u>	98181				
Seath	.33	981	116	City	CIC - 11-78	Zip Code				
City		Zit	Code	Owner/On	erator Phone Number					
N/A		7		N/A						
Site Phone Number			-		erator Email Address					
TANK INFORMATION										
TARK INFORMATION	Substance	C-15	Data Des							
Tank ID	Stored	(54) Capacity	Date Pro Expected		Co	omments:				
1	Unlegded Gas	12,000	11/11/	13		Anneres.				
9	1	12,00	1							
3		10,000								
7	Diesel	6,000	1							
	510261				L					
1) SERVICE PROVIDE	R INFORMATION -	check the appro	priate boxes							
r					UST BE ICC CERTIFIED DEPARTMENT OF ECOL					
☐ Installer 🔼	Decommissioner	☐ Site /	Assessor							
		enstruction.		Pul	Kemp					
Service Provider Com	pany Name	Majir occ (IV 1)								
Dan Kul				206-	436 - 5954					
Certified Service Prov	ider Name			Contact Phone Number						
8187530				pkemp esoundearthing.com						
ICC Certification #				Contact Email Address						
2) SERVICE PROVIDE	R INFORMATION (F	REQUIRED IF US	SING MORE TH	AN ONE PROV	IDER) - check the appropris	ate boxes				
	Decommissioner	X Site A	Assessor							
Sound Earth		Inc		David	of Mendel					
Service Provider Com	pany Name			Contact Per						
David Me	inde/			306- r	136 - 5907					
Certified Service Prov					one Number					
8164369	7				del Osundeat	ninc.com				
ICC Certification #				Contact En	nail Address					



ECY 020-94 (Rev. 2-06)

# UNDERGROUND STORAGE TANK Closure and Site Assessment Notice

FOR OFFICE USE ONLY	
Site ID #:	
Facility Site ID #:	

See back of form for instructions

Please ✓ the appropriate box(es)			
□ Temporary Tank Closure	☐ Change-In-Service	Permanent Tank Closu	re Site Check/Site Assessmen

	Site Inform	mation		Owner In	formation	
Site ID Numbe (Available from E	er <u>39,9673</u> Ecology if the tanks are	32 registered)		ner/Operator <u>∠ m</u>		(# )
		4 ST TEXACO		Address <u>/ / 9/</u>	Street Ave	Suite 1570
Site Address _	3901 SW	ALASKA ST	-		P.O. Box	
City/State _≤		JA	City/Sta	e SEATTLE	WA	
Zip Code	//	phone () _ <i>N/A</i>	Zip Cod	∍ <u>98/0/</u> To	elephone (22)	816 1578
		Tank Closure/C				
Service Compa	any SOUNDE	ARTH STRATE	HES CONSTA	CUTTON		
	visor DAN K	2411	Decom	missioning Certification	on No. <u>\$18 7</u>	530
Supervisor's S	-	two thus		Date	12/5/1	3
Address 28, Street	11 FAILVIEL	) AVE E	P.O. Bo			
-	EATTLE	W.A State	9810 Zip Coo		one (202) 304	-1900
Address 3811	ssessor Davi	id Mendel	P.O. Bo		1	
Seat	rtle	W A State	9810	Telepho	one ( <u>306) 436</u> -	5907
Tank ID	Closure Date 	Tank Informati	Zip Cod  Tank Capacity  12,000  12,000	Substance Stored  UNL GAS  UNL GAS	Contamination at the Time of t	F Closure Unknown if no obvious
<u> 3</u> 	_12/4/13 _12/5/13	REMOVAL REMOVAL	10,000 B,000	WL. GAS	and sample resu yet been receive analytical lab.	ults have not
					Yes If contamination has the release to the appropriat office?	No is present, been reported
o receive this docu	ment in an alternative	format, contact the Toxics	s Cleanup Program at	360-407-7170 (voice) or 1-		11 (TTY)

# RECEIVED

Your Seattle Fire Department

# OCT 30 2013

# PERMIT SECTION

# APPLICATION FOR TEMPORARY PERMIT



Code 7908 Commercial Tank Removal/Decommissioning Permit Fee: \$208.00 Date Issued: Tank(s) must be removed from site on the same day as permit is TO BE COMPLETED BY PERMIT APPLICANT STRATEGIES FIRM NAME CONSTRUCTION MAILING ADDRESS FAIRVIEW) SUITE SEATTLE CITY STATE ZIP JOBSITE ADDRESS CLARK CONTACT PERSON PHONE NUMBER Tank Size(s): Number of Tank(s): Product(s) Previously Contained: Removal (Marine Chemist inspection and certificate required for all tanks regardless of size or contents) Abandonment-in-Place (Marine Chemist certificate required for tanks previously containing Class I flammable liquids and/or unknowns) W No Hot work being conducted: Yes (If yes, a separate hot work permit is required) Permit applications may be submitted in person weekdays from 8:00 a.m. to 5:00 p.m., or mailed to: To pay with a Visa or Master Card: Fax or email this application Seattle Fire Department Fire Marshal's Office - Permits THEN CALL US TO CONFIRM RECEIPT AND MAKE PAYMENT 220 Third Ave S, 2nd Floor Tel: (206) 386-1450 / Fax: (206) 386-1348 Seattle, WA 98104-2608 E-mail: permits@seattle.gov Call 386-1450, at least 24 hours prior to needed inspection time to arrange for an appointment. TANKS MAY BE REMOVED/DECOMMISSIONED ONLY AFTER FIRE DEPARTMENT INSPECTION NO HOT WORK IS ALLOWED ON A TANK SYSTEM PRIOR TO ISSUANCE OF THIS FIRE DEPARTMENT PERMIT! Permission is hereby granted to remove or decommission the tank(s) identified in this permit in accordance with the attached conditions, all noted special conditions, and all applicable provisions of the Seattle Fire Code, federal, state and local regulations. THIS PERMIT IS NULL AND VOID IF PERMIT CONDITIONS ARE NOT ATTACHED Special permit conditions: Tank removal/decommissioning must be performed, or directly supervised, by an ICC certified individual (WAC 173-360-600) FMO USE: APPROVED BY 1. WILLIAMS Receipt No.: Name of Marine Chemist Dow

Application ID#:

# COMMERCIAL TANK REMOVAL/DECOMMISSIONING PERMIT CONDITIONS

- 1. Two (2) portable fire extinguishers each having a minimum rating of 40 BC shall be on site within 50 feet of the operation. Fire extinguishers shall be inspected, approved and certified annually.
- Z. Rope or ribbon barricades located at least 10 feet from the tank shall surround every outdoor storage tank removal or decommissioning operation or the operation shall be enclosed in a fenced yard.
- 3. "No Smoking" signs shall be posted in readily visible locations.
- 4. No hot work is allowed on a tank system prior to issuance of this permit and the tank is certified "Safe for Hot Work" by a Certified Marine Chemist. Hot work means any activities involving riveting, welding, burning, brazing, soldering, heating, chopping, grinding, ripping, drilling, cutting with a chop saw or "Sawzall", abrasive blasting, use of powder-actuated tools or similar spark-producing operations, crushing or mechanically shearing to facilitate opening for cleaning, disposal, scrapping for recycling purposes.
- 5. A separate temporary Seattle Fire Department permit (Code 4913) or a validation number assigned in conjunction with an annual hot work permit (Code 4911 or 4912) is required prior to any hot work operations.
- 6. Permits may cover multiple tanks located at the same address. If additional tanks are to be removed or abandoned at later dates, separate permits shall be obtained. Each address location requires a separate permit application regardless of whether multiple address locations are physically next to one another.
- 7. Additional fees will be charged if inspectors are required to work other than normal business hours. (Normal business hours are Monday through Friday, 8:00 a.m. to 4:30 p.m.)
- 8. No excavation of an underground tank is permitted prior to inspection by the Seattle Fire Marshal's Office.

  Exception: Removal of the top layer of asphalt or concrete only with no removal of dirt, pea gravel or soil over the underground storage tank. Further excavation may be allowed by a Seattle Fire Department Special Hazards Unit Inspector prior to the initial inspection depending on conditions and if the tank has been inerted by a Marine Chemist who is present on site. The name of the inspector and the time permission was given shall be made available at time of inspection.
- Prior to inspection, to ensure tanks and connected piping are completely free of all flammable or combustible liquids, a
  receipt or certificate must be on site indicating the tanks have been pumped and rinsed by an approved company.
  Product and rinse water must be disposed of in an approved manner.
- 10. For tanks being decommissioned in place that previously contained Class I liquids, a Certified Marine Chemist certificate must be issued and available on site for inspection certifying that the tank has been properly inerted prior to filling.
- 11. No tank shall be filled prior to an inspection by the Seattle Fire Marshal's Office.
- 12. Tanks being decommissioned in place must be filled with a lean concrete mixture. Filling with foam is prohibited.
- 13. A Marine Chemist's certificate verifying the tank has been properly inerted or is otherwise certified "Safe for Hot Work" shall be issued and available on site for inspection for each underground and aboveground tank being removed regardless of the product previously contained.
- 14. If tanks are being removed, the tanks' atmosphere must be inert using one of the following approved methods:
  - Dry ice (pellets or chunks of solid CO<sub>2</sub>). Minimum 40 lbs per 1000 gallons of tank capacity is recommended.
  - Compressed CO<sub>2</sub> gas in cylinders (Note: This method may only be performed by a Certified Marine Chemist).
  - Purging with air (gas-freeing) using Venturi tube apparatus, with proper bonding and grounding and after the tank has been pumped and rinsed by an approved company.
- 15. A maximum reading of less than 6% of oxygen must be obtained prior to the removal of the tanks if CO<sub>2</sub> or another inert gas, as approved by the Marine Chemist, is used to inert the tank or, a reading of 0% LEL must be obtained prior to removal of the tank if the air-purging (Venturi air moving devices) method is used.
- All local, state and federal regulations for confined space entry shall be complied with prior to entering an underground storage tank.
- 17. Tanks with baffles to prevent movement of liquid must be certified gas-freed or inerted by a Certified Marine Chemist or a Petroleum Industry Safety Engineer regularly engaged in that business prior to removal.
- 18. Tanks being removed must be removed from the site and relocated to a remote, approved facility on the same day that the permit is issued.
- 19. During the hot work operations, digging, excavating, hauling or transport of petroleum storage tanks that have not been cleaned and gas-freed, tanks must be inerted to less than 6% oxygen. All openings are to be cap closed and secured except for one 1/8" hole drilled through a cap. These tanks are to be sprayed painted with "INERTED, DO NOT ENTER" or "INERTED WITH CO<sub>2</sub>, NOT SAFE FOR WORKERS".

Your Seattle Fire Department



# APPLICATION FOR TEMPORARY PERMIT

Code 7908 Commercial	Tank Removal/Decommissioning
Permit Fee: \$208.00	Date Issued: 12/03/13  Tank(s) must be removed from site on the same day as permit is issued!
TO BE COMPLETED BY PERMIT APPLICANT	
FIRM NAME SoundEarth Strategies Co	onstruction
MAILING ADDRESS 2811 Fairview Ave East	SUITE 2000
CITY Seattle	STATE WA ZIP 98102
JOBSITE ADDRESS 3901 Alaska St & Seattle	, WA
CONTACT PERSON Ed Clark	PHONE NUMBER ((206))390-6862
Number of Tank(s): 4 Tank Size(s	s): 8K, 12K, 2-10K Aboveground tank
Product(s) Previously Contained: Gasoline	■ Underground tank
Removal (Marine Chemist inspection and cert	ificate required for all tanks regardless of size or contents)
Abandonment-in-Place (Marine Chemist certificand/or unknowns)	ficate required for tanks previously containing Class I flammable liquids  VALIDA TON # 140
Hot work being conducted: \( \square\) No	Yes (If yes, a separate hot work permit is required)
Seattle Fire Department Fire Marshal's Office – Permits 220 Third Ave S, 2 <sup>nd</sup> Floor Seattle, WA 98104-2608	To pay with a Visa or Master Card: Fax or email this application THEN CALL US TO CONFIRM RECEIPT AND MAKE PAYMENT Tel: (206) 386-1450 / Fax: (206) 386-1348 E-mail: permits@seattle.gov
TANKS MAY BE REMOVED/DECOM	ior to needed inspection time to arrange for an appointment.  MMISSIONED ONLY AFTER FIRE DEPARTMENT INSPECTION  SYSTEM PRIOR TO ISSUANCE OF THIS FIRE DEPARTMENT PERMIT!
conditions, all noted special conditions, and al	nmission the tank(s) identified in this permit in accordance with the attached applicable provisions of the Seattle Fire Code, federal, state and local D IF PERMIT CONDITIONS ARE NOT ATTACHED
Special permit conditions: Tank removal/decommiss	ioning must be performed, or directly supervised, by an ICC certified individual (WAC 173-360-60
Check No.: 0000000 4112713  Receipt No.: 5-224478	Name of Marine Chemist Dow SLY 598 Certificate # 46253  Date: 12/03/13

(01/13)

# COMMERCIAL TANK REMOVAL/DECOMMISSIONING PERMIT CONDITIONS

- Two (2) portable fire extinguishers each having a minimum rating of 40 BC shall be on site within 50 feet of the operation. Fire
  extinguishers shall be inspected, approved and certified annually.
- Rope or ribbon barricades located at least 10 feet from the tank shall surround every outdoor storage tank removal or decommissioning operation or the operation shall be enclosed in a fenced yard.
- 3. "No Smoking" signs shall be posted in readily visible locations.
- 4. No hot work is allowed on a tank system prior to issuance of this permit and the tank is certified "Safe for Hot Work" by a Certified Marine Chemist. Hot work means any activities involving riveting, welding, burning, brazing, soldering, heating, chopping, grinding, ripping, drilling, cutting with a chop saw or "Sawzall", abrasive blasting, use of powder-actuated tools or similar spark-producing operations, crushing or mechanically shearing to facilitate opening for cleaning, disposal, scrapping for recycling purposes.
- 5. A separate temporary Seattle Fire Department permit (Code 4913) or a validation number assigned in conjunction with an annual hot work permit (Code 4911 or 4912) is required prior to any hot work operations.
- 6. Permits may cover multiple tanks located at the same address. If additional tanks are to be removed or abandoned at later dates, separate permits shall be obtained. Each address location requires a separate permit application regardless of whether multiple address locations are physically next to one another.
- 7. Additional fees will be charged if inspectors are required to work other than normal business hours. (Normal business hours are Monday through Friday, 8:00 a.m. to 4:30 p.m.)
- 8. No excavation of an underground tank is permitted prior to inspection by the Seattle Fire Marshal's Office. Exception: Removal of the top layer of asphalt or concrete only with no removal of dirt, pea gravel or soil over the underground storage tank. Further excavation may be allowed by a Seattle Fire Department Special Hazards Unit Inspector prior to the initial inspection depending on conditions and if the tank has been inerted by a Marine Chemist who is present on site. The name of the inspector and the time permission was given shall be made available at time of inspection.
- Prior to inspection, to ensure tanks and connected piping are completely free of all flammable or combustible liquids, a
  receipt or certificate must be on site indicating the tanks have been pumped and rinsed by an approved company.
  Product and rinse water must be disposed of in an approved manner.
- 10. For tanks being decommissioned in place that previously contained Class I liquids, a Certified Marine Chemist certificate must be issued and available on site for inspection certifying that the tank has been properly inerted prior to filling.
- 11. No tank shall be filled prior to an inspection by the Seattle Fire Marshal's Office.
- 12. Tanks being decommissioned in place must be filled with a lean concrete mixture. Filling with foam is prohibited.
- 13. A Marine Chemist's certificate verifying the tank has been properly inerted or is otherwise certified "Safe for Hot Work" shall be issued and available on site for inspection for each underground and aboveground tank being removed regardless of the product previously contained.
- 14. If tanks are being removed, the tanks' atmosphere must be inert using one of the following approved methods:
  - Dry ice (pellets or chunks of solid CO<sub>2</sub>). Minimum 40 lbs per 1000 gallons of tank capacity is recommended.
  - Compressed CO<sub>2</sub> gas in cylinders (Note: This method may only be performed by a Certified Marine Chemist).
  - Purging with air (gas-freeing) using Venturi tube apparatus, with proper bonding and grounding and after the tank has been pumped and rinsed by an approved company.
- 15. A maximum reading of less than 6% of oxygen must be obtained prior to the removal of the tanks if CO<sub>2</sub> or another inert gas, as approved by the Marine Chemist, is used to inert the tank or, a reading of 0% LEL must be obtained prior to removal of the tank if the air-purging (Venturi air moving devices) method is used.
- 16. All local, state and federal regulations for confined space entry shall be complied with prior to entering an underground storage tank.
- 17. Tanks with baffles to prevent movement of liquid must be certified gas-freed or inerted by a Certified Marine Chemist or a Petroleum Industry Safety Engineer regularly engaged in that business prior to removal.
- 18. Tanks being removed must be removed from the site and relocated to a remote, approved facility on the same day that the permit is issued.
- 19. During the hot work operations, digging, excavating, hauling or transport of petroleum storage tanks that have not been cleaned and gas-freed, tanks must be inerted to less than 6% oxygen. All openings are to be cap closed and secured except for one 1/8" hole drilled through a cap. These tanks are to be sprayed painted with "INERTED, DO NOT ENTER" or "INERTED WITH CO2, NOT SAFE FOR WORKERS".

SOUND TESTING, INC MARINE CHEMIST CERTIFICATE P.O. BOX 16204 SEATTLE, WA 98116 (206) 932-0206 FAX (206) 937-3848 SERIAL Nº Vessel Owner or Agent ime Survey Completed In the event of any physical or atmospheric changes adversely affecting the gas-free condition of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist. QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated. STANDARD SAFETY DESIGNATIONS SAFE FOR WORKERS. 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 permissible concentrations, and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate NOT SAFE FOR WORKERS. Means that in the compartment or space so designated, the requirements of Safe for Workers has not been met. SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks, or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements. NOT SAFE FOR HOT WORK Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met CHEMIST'S ENDORSEMENT This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on ssels and have found the condition of each 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 "The undersigned acknowledges receipt of this Certificate under Section 2-6 of NFPA 306 and and is issued subject to compliance with all qualifications and instruction understands conditions and limitations under which it was issued. Signed\_ Signed

# SOUND TESTING, INC P.O. BOX 16204 SEATTLE, WA 98116 (206) 932-0206 FAX (206) 937-3848

# MARINE CHEMIST CERTIFICATE SERIAL Nº 46253

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Survey Requested by  SEE BELOW	STEF		SW	COPLE	7 -A4	Date + FAL
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subject to gas accumulation, unless specifically a affected. All lines, vents, heating coils, valves, and	pproved in this Certificate	e, requires inspection and e	ndorsement or reise	ue of Certificate for	the spaces so	d.
		RD SAFETY DESIGNATI			-1	
SAFE FOR WORKERS Means that in the compar materials in the atmosphere are within permissible com maintained as directed on the Marine Chemist's Certifi NOT SAFE FOR WORKERS Means that in the co SAFE FOR HOT WORK. Means that in the compa	ncentrations, and that, (c) the icate ompartment or space so des	ne residues are not capable of signated, the requirements of	f producing toxic mate Safe for Workers has	erials under existing at a not been met.	mospheric cond	ditions while
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"The undersigned acknowledges receipt of this Certificate under understands conditions and limitations under which it was issue				sting at the time the inspe ill qualifications and instru		12 ESO
SignedName	Company	Date	_ Signed Marine	Chernist OU	Certi	ficate No.

# SOUND TESTING, INC. 206-932-0206

# SERIAL NO. 0093098

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CUSTOMER COPY

**30**UND TESTING, INC. 206-932-0206

Printed in U.S.A.



TELEPHONE: (263) 572-5800 FAX: (253) 572-5420 E-MAIL: METALS@CALBAG.COM

# Scale Ticket Receiving Ticket

Receiving Ticket #:

73627

Scale:

Started At:

CS - Truck Scale 12/4/2013 11:28:31AM

by Weighmaster: Completed At: Shawn Wheelock 12/5/2013 11:09:45AM Shawn Wheelock

by Weighmaster:

Received From:

Sound Earth Strategies 2811 Fairview Avenue East, Suite 2000 Seattle, WA 98102

Other ID 1:

JOB 0914-001-01

Other ID:

SKS SHELL

Account Rep:

Joshua Mauck

Item Name	Packaging	Gross (lbs)	Tare (lbs)	Adj(lbs)	Net(ibs)
#2 Unprepared		59,700.0 M1	49,680.0 S 1	0.0	10,020.0
#2 Unprepared		62,700.0 S <sup>1</sup>	50,060.0 S 1	0.0	12,640.0
#2 Unprepared		60,680.0 M <sup>1</sup>	49,900.0 M <sup>1</sup>	0.0	10,780.0
2 Unprepared		60,000.0 S 1	49,920.0 S <sup>1</sup>	0.0	10,080.0
		243,080.0	199,560.0		43,520.0

8,000 GALLON UST SESTRUCTION

I, below signed, hereby declare that the property that is subject to this transaction is not, to the best of my knowledge, stolen property and is free of all hazardous or toxic substances including but not limited to oils, fuels, fluids, CFCs or HCFCs, PCBs, Mercury Switches, etc. I also certify, and can provide written documentation, that any CFCs, HCFCs or other refrigerants have been drained by a qualified technician. I understand that this statement is made under penalty of perjury and may be used as evidence in court.



TELEPHONE: (253) 572-6800 FAX: (253) 572-5420 E-MAIL: METALS@CALBAG.COM

**Scale Ticket Receiving Ticket** 

Receiving Ticket #:

73627

Scale:

Started At:

CS - Truck Scale 12/4/2013 11:28:31AM

by Weighmaster:

Shawn Wheelock

Completed At: by Weighmaster:

Received From:

Sound Earth Strategies 2811 Fairview Avenue East, Suite 2000 Seattle, WA 98102

Other ID 1:

JOB 0914-001-01

Other ID: Account Rep: SKS SHELL Joshua Mauck

Item Name

Packaging

Gross (lbs) 59,700.0 M1

Tare (lbs) 49,680.0 S 1 Adj(lbs)

Net(lbs)

#2 Unprepared Contamination:

#2 Unprepared

Dirt

500.00 Lbs

500.0

9,520.0

62,700.0 S 1 50,060.0 S 1

0.0 12,640.0

122,400.0

99,740.0

22,160.0

# Incomplete Ticket

12,000 GALLON UST DESTRUCTION
CERTIFICATE

I, below signed, hereby declare that the property that is subject to this transaction is not, to the best of my knowledge, stolen property and is free of all hazardous or toxic substances including but not limited to oils, fuels, fluids, CFCs or HCFCs, PCBs, Mercury Switches, etc. I also certify, and can provide written documentation, that any CFCs, HCFCs or other refrigerants have been drained by a qualified technician. I understand that this statement is made under penalty of perjury and may be used as evidence in court.



TELEPHONE: (253) 572-5800 FAX: (253) 572-5420 E-MAIL: METALS@CALBAG.COM

# Scale Ticket Receiving Ticket

73627

Receiving Ticket #:

Scale:

CS - Truck Scale

Started At: by Weighmaster: Completed At: by Weighmaster: 12/4/2013 11:28:31AM Shawn Wheelock

Received From:

Sound Earth Strategies 2811 Fairview Avenue East, Suite 2000 Seattle, WA 98102

Other ID 1:

JQB 0914-001-01

Other ID: Account Rep: SIKS SHELL Joshua Mauck

Item Name		Packaging	Gross (lbs)	Tare (lbs)	Adj(lbs)	Net(lbs)
#2 Unprepared Contamination:	Dirt	<b>500.00</b> Lbs	59,700.0 M <sup>1</sup>	49,680.0 S <sup>1</sup>	500.0	9,520.0
#2 Unprepared			62,700.0 S <sup>1</sup>	50,060.0 S 1	0.0	12,640.0
#2 Unprepared	3		60,680.0 M <sup>1</sup>	49,900.0 M <sup>1</sup>	0.0	10,780.0
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# Incomplete Ticket

12,000 GALLON UST DESTRUCTION

I, below signed, hereby declare that the property that is subject to this transaction is not, to the best of my knowledge, stolen property and is free of all hazardous or toxic substances including but not limited to oils, fuels, fluids, CFCs or HCFCs, PCBs, Mercury Switches, etc. I also certify, and can provide written documentation, that any CFCs, HCFCs or other refrigerants have been drained by a qualified technician. I understand that this statement is made under penalty of perjury and may be used as evidence in court.



TELEPHONE: (253) 572-6800 FAX: (253) 572-5620 E-MAIL: METALS@CALBAG.COM

# Scale Ticket **Receiving Ticket**

Receiving Ticket #:

73627

Scale:

Started At:

CS - Truck Scale 12/4/2013 11:28:31AM

by Weighmaster: Completed At: by Weighmaster:

Shawn Wheelock 12/5/2013 11:09:45AM Shawn Wheelock

# Received From:

Sound Earth Strategies 2811 Fairview Avenue East, Suite 2000 Seattle, WA 98102

Other ID 1:

JOB 0914-001-01

Other ID:

SKS SHELL

Account Rep:

Joshua Mauck

Item Name	Packaging	Gross (lbs)	Tare (lbs)	Adj(lbs)	Net(lbs)
#2 Unprepared		59,700.0 M1	49,680.0 S 1	0.0	10,020.0
#2 Unprepared		62,700.0 S 1	50,060.0 S 1	0.0	12,640.0
#2 Unprepared		60,680.0 M <sup>1</sup>	49,900.0 M <sup>1</sup>	0.0	10,780.0
#2 Unprepared		60,000.0 S <sup>1</sup>	49,920.0 S 1	0.0	10,080.0
		243,080.0	199,560.0		43,520.0

8,000 GALLON UST STSTRUCTION CERTIFICATE

I, below signed, hereby declare that the property that is subject to this transaction is not, to the best of my knowledge, stolen property and is free of all hazardous or toxic substances including but not limited to oils, fuels, fluids, CFCs or HCFCs, PCBs, Mercury Switches, etc. I also certify, and can provide written documentation, that any CFCs, HCFCs or other refrigerants have been drained by a qualified technician. I understand that this statement is made under penalty of perjury and may be used as evidence in court.



TELEPHONE: (253) 572-6800 FAX: (253) 572-5420 E-MAIL: METALS@CALBAG.COM

# Scale Ticket Receiving Ticket

Receiving Ticket #:

73627

Scale: Started At: CS - Truck Scale 12/4/2013 11:28:31AM

by Weighmaster:

Shawn Wheelock

Completed At: by Weighmaster:

Received From:

Sound Earth Strategies 2811 Fairview Avenue East, Suite 2000 Seattle, WA 98102

Other ID 1:

JOB 0914-001-01

Other ID:

SKS SHELL

Account Rep:

Joshua Mauck

Item Name #2 Unprepared Packaging

Gross (lbs) 59,700.0 M1 Tare (lbs)

Adj(lbs)

Net(lbs)

Contamination:

Dirt

500.00 Lbs

49,680.0 S 1

500.0

9.520.0

#2 Unprepared

62,700.0 S 1 50,060.0 S 1

0.0 12,640.0

122,400.0

99,740.0

22,160.0

# Incomplete Ticket

12,000 GALLON UST DESTRUCTION

I, below signed, hereby declare that the property that is subject to this transaction is not, to the best of my knowledge, stolen property and is free of all hazardous or toxic substances including but not limited to oils, fuels, fluids, CFCs or HCFCs, PCBs, Mercury Switches, etc. I also certify, and can provide written documentation, that any CFCs, HCFCs or other refrigerants have been drained by a qualified technician. I understand that this statement is made under penalty of perjury and may be used as evidence in court.

Signed by authorized representative.

Ticket Completed at :

Page 1 of 1

powered by www.21stCenturyProgramming.com rptTruckScaleTicket2.rpt



TELEPHONE: (253) 572-6800 FAX: (253) 572-5420 E-MAIL: METALS@CALBAG.COM Scale Ticket Receiving Ticket

Receiving Ticket #:

73627

Scale:

1

Started At: by Weighmaster: CS - Truck Scale 12/4/2013 11:28:31AM Shawn Wheelock

Completed At: by Weighmaster:

Received From:

Sound Earth Strategies 2811 Fairview Avenue East, Suite 2000 Seattle, WA 98102

Other ID 1:

#2 Unprepared

JOB 0914-001-01

Other ID: Account Rep:

SKS SHELL Joshua Mauck

Item Name

Packaging

Gross (lbs)

Tare (lbs)

Adj(lbs)

Net(lbs)

59,700.0 M1

49.680.0 S 1

0.0

10,020.0

59,700.0

49,680.0

10,020.0

# Incomplete Ticket

10,000 GALLON UST DESTRUCTION
CERTIFICATE

I, below signed, hereby declare that the property that is subject to this transaction is not, to the best of my knowledge, stolen property and is free of all hazardous or toxic substances including but not limited to oils, fuels, fluids, CFCs or HCFCs, PCBs, Mercury Switches, etc. I also certify, and can provide written documentation, that any CFCs, HCFCs or other refrigerants have been drained by a qualified technician. I understand that this statement is made under penalty of perjury and may be used as evidence in court.



# CLEANING CERTIFICATE

QTY	GALLONAGE 18,000 Took	Undageound XXXXXX Casolene
l		
	JOB#_70169	
	TRUCK #	
DRIVER SIG	JULIAN College	DATE: 13 3-13
COMPANY:	Emerald Secrete	SITE INFORMATION
ADDRESS:	7343 East 1	ranginal way 5.
	and the second second	DATE: 12 5 7 3
CUSTOMER	SIGNATURE	



# CLEANING CERTIFICATE

QTY	GALLONAGE	DESCRIPTION
		Chanal
41 its Cs	10,000 Tank	Undergrand X- Gagalene
	JOB#_70169	
TI	- 1 m	
DRIVER SIGN	Gerrage Calla	DATE: 13-3-13
		SITE INFORMATION  EXUITY IN  Exaginal way T.
COMPANY:	Proposition of	arrice Line
ADDRESS:	1343 East	inarginal han T.
	- Grott	THE STATE OF THE PARTY OF THE P
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CUSTOMER'S	IGNATURE	DATE:



# CLEANING CERTIFICATE

QTY	GALLONAGE	DESCRIPTION
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	JOB#_70169	
	51.17	
	Jornay Calla	DATE: 12-3-13
DRIVER SIGNA	TATER.	
	· 10 C	SITE INFORMATION
COMPANY:	_ Emerald Si	ernie Inc
ADDRESS:	7343 East	SITE INFORMATION  PRIMITE IT AL  MONEGINAL WAY 5.
<u> </u>	Spatt	14
A Jan 1	American	DATE: 12 3 1 3
CUSTOMER SIC	SNATURE	DAIE: 1 C 1 /



# CLEANING CERTIFICATE

QTY	GALLONAGE	DESCRIPTION	
		Cleaner	
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	JOB#_70169		
TI	RUCK #		
DRIVER SIGN	Gerrag Calla	DATE:	12-3-13
COMPANY:	Emerald gr	KULLY LAST	
ADDRESS:	1343 East	SITE INFORMATION  RULLY LINE  MARGING! WAY	,
()	- grall	17	
CUSTOMER'S	IGNATURE	DATE: _	12/3/13



# CLEANING CERTIFICATE

QTY	GALLONAGE	DESCRIPTION
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	JOB#_ 70169	
Т	RUCK # 207013	
DRIVER SIG	OCERY Calleri NATURE	DATE:
COMPANY:	Emergia Gra	SITE INFORMATION
ADDRESS:	7343 Eas	t marginal may 5.
1	1 Jie	DATE: 172-5-13
CUSTOMER	SIGNATURE	



# CLEANING CERTIFICATE

QTY	GALLONAGE	DESCRIPTION CLOSUS	
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		1 Grayon	
	JOB#		
Т	RUCK #	•	
	Gercray Collen	DATE: 12 3 13	
DRIVER SIG			
	gener of the said	SITE INFORMATION	
COMPANY:	Enverald grains	r Lai	
ADDRESS:	7343 East 1	riorginal way j	
	Gent	SITE INFORMATION  F In ( ringing   way 5	
CUSTOMER	SIGNATURE	DATE: 12.5	



# 7343 E. MARGINAL WAY SOUTH SEATTLE, WASHINGTON 98108 PH. (206) 832-3000 FAX (206) 832-3030 24 HOUR EMERGENCY PHONE: 1-888-832-3008

68776

SHIPPER/GF					Water Control of the		
	NERATOR	-4116	6 . 7 . 4	CONTACT		JOB#	1
ADDRESS	375		Markey to	PHONE#		LOAD#	
CITY, STATE.	ZIP		A	2000	1	DATE	2-7-
CARRIER	1			PHONE#		DOCUMENT #	
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ADDRESS		1	A market				
CITY, STATE,	ZIP		- 1420 C	PHONE#		PRODUCT TY	PE (
нм	ITEM#					EST. GALLON	S
11111			U.S. DOT DESCR	IPTION	#	TYPE	QTY.
	Α	UNIZA 3	-15/1/18	5,751	1	7	3/7
	В						
	С						
	D		11-7/28				
				_ C. WPQ#	And the	DISP. CODE:	
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SOLIDS —		——GALLONS ——% SUSPENDE	LOCATION	TEST	SEDIMENT	ISP. CODE	
SOLIDS —	GAS	——GALLONS  ——% SUSPENDE  ——GALLONS	LOCATION		SEDIMENT D	ISP. CODE	
SOLIDS —	GAS	——GALLONS  ——% SUSPENDE  ——GALLONS	LOCATION	TEST	SEDIMENT D	ISP. CODE	
OIL/DIESEL/ HOC'S  nipper's Certe classified, ternational a	GASification:   hereb	——GALLONS  ——SUSPENDE  ——GALLONS  ——PCB'S ——  Dy declare that the gard labeled, and	LOCATION		SEDIMENT  D  API  scribed above b	ISP. CODE	AB: Y/N
OIL/DIESEL/ HOC'S  slipper's Cert e classified, ernational au rt 261 or 40	GAS	——GALLONS  ——SUSPENDE  ——GALLONS  ——PCB'S ——  Dy declare that the gard labeled, and	LOCATION	TESTGALS  TEST  B.S.&W	SEDIMENT  D  API  scribed above b	ISP. CODE  ISP. CODE  y proper shippi d rail according with WAC 173-	AB: Y / N
OIL/DIESEL/ HOC'S nipper's Cert e classified, ernational a rt 261 or 40	ification: I hereb packed, marked nd national gove CFR Part 761.	GALLONS  SUSPENDE  GALLONS  PCB'S  Oy declare that the and labeled, and emment regulation	LOCATION  ED SOLIDS BY CENTRIFUGE  LOCATION  E contents of this consignr if are in all respects in propins and this material is not  X  SIGNATURE  X	TESTGALS  TEST  B.S.&W	SEDIMENT  D  API  Scribed above by way, vessel and in accordance	ISP. CODE	AB: Y / N
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OIL/DIESEL/ HOC'S nipper's Cert e classified, ernational a trt 261 or 40	ification: I hereb packed, marked nd national gove CFR Part 761.	GALLONS  SUSPENDE  GALLONS  PCB'S  oy declare that the and labeled, and emment regulation	LOCATION  ED SOLIDS BY CENTRIFUGE  LOCATION  E contents of this consignr if are in all respects in propins and this material is not  X  SIGNATURE  X	TESTGALS  TEST  B.S.&W	SEDIMENT  D  API  scribed above by the street and in accordance	ISP. CODE  y proper shippi d rail according with WAC 173-	AB: Y / N

# REGIONAL DISPOSAL INTERMODAL 3rd and lander

Seattle, WA

CUSTOMER 016464

SoundEarth Strategies, Inc 2811 Fairview Ave E Ste 2000 Seattle, WA 98102

LW-13463

901464 SITE 01 CELL WEIGHMASTER IN - Kim L. OUT - Drinda L. DATE/TIME OUT 11-20-2013 DATE/TIME IN 11-20-2013 9:17 am 9:22 am YEUGHE CONTAINER REFERENCE 31/T-MAX INVOICE BILL OF LADING

The terms and conditions

SCALE IN SCALE OUT

GROSS WEIGHT TARE WEIGHT 52,860 25,680

NET TONS NET WEIGHT 13,59

27,180

INBOUND

0.00 YD	TRACKING QTY		State of the state	
13.59 TN	SW-CONT SOIL	SEATTLE LING		
		4807		
		THE REPORT OF THE PERSON		
		The second of the Money of the second		
		171990.5 L Starffish		

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has re on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE .

TENDERED

CHANGE

CHECK#

REGIONAL DISPOSAL 3rd and 1: Seattle, WA			<sup>KET</sup> 901473 Im L. OUT - Di	CELL Cinda L.
O16464 SoundEarth Strategies, Inc 2811 Fairview Ave E Ste 20	VSMSTE		PATE OF 2013 10:24 an CONTAINER	
Seattle, WA 98102 LW-13463		BILL OF LADI		INVOICE
SCALE IN GROSS WE SCALE OUT TARE WE	ZIGHT 25,840	NET TONS	14.67 29,340	INBOUND
0.00 YD TRACKING QTY 14.67 TN SW-CONT SOIL	SEATTL	E ÆENG		
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REGIONAL DISPOSAL INTERMODAL 3rd and lander

Seattle, WA

CUSTOMER 016464

SoundEarth Strategies, Inc 2811 Fairview Ave E Ste 2000 Seattle, WA 98102

LW-13463

SCALE IN GROSS WEIGHT SCALE OUT TARE WEIGHT

47,080 24,240

NET TONS NET WEIGHT

SUPLE

**ELEMENTALY** 

BILL OF LADING

11.42 22,840

WEIGHMASTER IN - JAMIE B. OUT - Drinda L.

SITE 01 TICKET 901475

T1-20-2013 10:30 am

INBOUND

14TE2WE-2813

CONTAINER

CELL

YU TRACKING QIY 11.42 TN SW-CONT SOIL SEATTLE KING 海南山 WAST TO 1 **经供** STATE OF THE STATE OF as a to deple thing

TENDERED

10:38 am

INVOICE

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and sondition on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

CHANGE

CHECK#



11-20-13 /

Order # 409 49680

T-max 33-506 56180 25620 5.28 Class 3

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SPECIAL ORDERED MERCHANDISE IS NOT RETURNABLE. A RESTOCI	KING FEE WILL APPLY TO ANY RETURNABLE MERCHANDISE IN	NEW CONDITION.
BY THE SIGNATURE BELOW, DRIVER ATTESTS THAT THERE WAS NOT THAT ALL MATERIALS DELIVERED WERE IN GOOD CONDITION.	O ONE ON THE JOB SITE TO SIGN FOR THE LISTED MATERIALS	S AT THE TIME OF DELIVERY AND
DRIVER'S SIGNATURE	DATE	TIME
CURB LINE CROSSED AT OWNERS/AGENTS REQUEST INITIALS	MODINA.	
THE SIGNATURE BELOW SIGNIFIES RECEIPT AND ACCEPTANCE OF TH CONDITIONS.	HE LISTED MATERIALS AND ACKNOWLEDGEMENT OF AND AGREE	EMENT TO THE CEMEX TERMS AND
(X)		
AUTHORIZED SIGNATURE MSD	PRINT NAME DS PROVIDED UPON REQUEST	DATE

69 UNIVERSAL

See over for Product Warning

PLANT COPY

ΤE	REGION	AL DISPOSAL	INTERMODAL		SITE 01	TICKET # 9018	324	CELL	
	Sea	3rd and la	nder		WEIGHN	ASTER			
016464						Kim L. MEIN 2-2013	OUT - D		
SoundEar	th Strate	egies, Inc e E Ste 200	0.0		12-0		7:53 am	DATE/TIME OUT 12-2-2013 CONTAINER	7:59
Seattle,	WA 981	02	00	s	REFERE	NCE			
LW-13463	3				95/S	ILVER ST	REAK		NVOICE
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The undersigned individual signing this document on behalf of Customer acknowledges that he or she has resident on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

2/21

RS-F042UPR (07/12)

#### REGIONAL DISPOSAL INTERMODAL 3rd and lander

Seattle, WA

CUSTOMER 016464

SoundEarth Strategies, Inc 2811 Fairview Ave E Ste 2000 Seattle, WA 98102

LW-13463

SITE TICKET \$01474 CELL WEIGHMASTER IN - Kim L. OUT - Drinda L. DAJE-DME IN 2013 10:24 am PATETIME 0013 10:29 am WHI CONTAINER 33/T-MAX INVOICE BILL OF LADING

INBOUND

SCALE IN GROSS WEIGHT 54,200 NET TONS 14.71 SCALE OUT TARE WEIGHT 24,780 NET WEIGHT 29,420

0.00 TRACKING QTY YD 14.71 TN SW-CONT SOIL SEATTLE MING 1000 AND THE The same of the sa I SECTION TO NOT PROTECT

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RS-F042UPR (07/12)

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#### REGIONAL DISPOSAL INTERMODAL 3rd and lander Seattle, WA

CUSTOMER 016464

SoundEarth Strategies, Inc 2811 Fairview Ave E Ste 2000

Seattle, WA 98102 LW-13463

SITE TICKET 901465 CELL WEIGHMASTER IN - Kim L. OUT - Drinda L. 11-20-2013 PATEZWE 2013 9:22 am 9:31 am SOTT CONTAINER **BEFFEMMEAX** INVOICE BILL OF LADING

SCALE IN GROSS WEIGHT 52,520 NET TONS 13.45 SCALE OUT TARE WEIGHT 25,620 26,900 NET WEIGHT INBOUND

3.45 TN		SEATTLE/KING		
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The undersigned individual signing this document on behalf of Customer acknowledges that he or on the reverse side and that he or she has the authority to sign this document on behalf of the customer significant. 2/21

RS-F042UPR (07/12)

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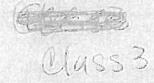
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AUTHORIZED SIGNATUR	FISHAL MAINE	DATE
8		
THE SIGNATURE BELOW SIGNIFIES RECEIPT A CONDITIONS.	ND ACCEPTANCE OF THE LISTED MATERIALS AND ACKNOWLEDGEMENT	OF AND AGREEMENT TO THE CEMEX TERMS AN
	INITIALS	
CURB LINE CROSSED AT OWNERS/AGENTS R	FOLIEST	IIWE
DRIVER'S SIGNATURE	DATE	TIME
BY THE SIGNATURE BELOW, DRIVER ATTEST THAT ALL MATERIALS DELIVERED WERE IN G	S THAT THERE WAS NO ONE ON THE 100 CITE TO CON TOR THE 1	TED MATERIALS AT THE TIME OF DELIVERY A
SPECIAL ORDERED MERCHANDISE IS NOT RE	TURNABLE. A RESTOCKING FEE WILL APPLY TO ANY RETURNABLE MEE	RCHANDISE IN NEW CONDITION



11-20-B

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## ATTACHMENT B PROPERTY PHOTOGRAPHS



Photograph 1. The Alaska Street Texaco (SKS Shell) site prior to removal work, October 2013.



Photograph 3. Removal of overburden for USTs #2 and #3 on December 3, 2013.



Photograph 5. Removal of UST #3 on December 4, 2013.



Photograph 2. Auger borings and installation of pilings by Kulchin, November 12, 2013.



Photograph 4. Installation of lagging to support the Fauntleroy sidewalk, December 3, 2013.



Photograph 6. Loading UST #3 on December 4, 2013.

Page 1 of 2



 Project No.:
 0914-001-07

 Date:
 December 27, 2013

 Drawn By:
 CER

Drawn By: CER Chk By: JRF

File ID: 0914-001-07 Photos

**PROPERTY PHOTOGRAPHS** 

Alaska Street Texaco/SKS Shell 3901 Southwest Alaska Street Seattle, Washington



Photograph 7. Preparing for removal of UST #2 on December 4, 2013.



Photograph 9. Loading UST #1 on December 5, 2013.



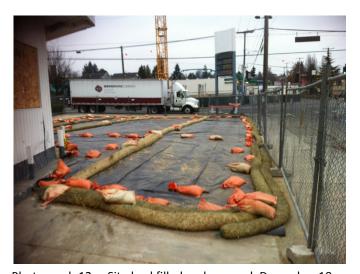
Photograph 11. Preparing UST #4 for transport, December 5, 2013.



Photograph 8. Removal of UST #2 on December 4, 2013.



Photograph 10. Removal of UST #4 on December 5, 2013.



Photograph 12. Site backfilled and covered, December 10, 2013.





Project No.: 0914-001-07
Date: December 27, 2013

Drawn By: CER Chk By: JRF

File ID: 0914-001-07 Photos

#### **PROPERTY PHOTOGRAPHS**

Alaska Street Texaco/SKS Shell 3901 Southwest Alaska Street Seattle, Washington

## ATTACHMENT C LABORATORY ANALYTICAL REPORT

Friedman & Bruya, Inc. #312074

#### **ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Kurt Johnson, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

December 13, 2013

Rob Roberts, Project Manager SoundEarth Strategies 2811 Fairview Ave. East, Suite 2000 Seattle, WA 98102

Dear Mr. Roberts:

Included are the results from the testing of material submitted on December 5, 2013 from the SOU\_0914\_20131205, F&BI 312074 project. There are 8 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures SOU1213R.DOC

#### ENVIRONMENTAL CHEMISTS

#### CASE NARRATIVE

This case narrative encompasses samples received on December 5, 2013 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU\_0914\_20131205, F&BI 312074 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	SoundEarth Strategies
312074-01	PI01-01
312074-02	UST03-B-13
312074-03	EX01-NSW-13
312074-04	UST02-B-14
312074-05	EX01-ESW-13
312074-06	UST01-B-14
312074-07	EX01-SSW-13
312074-08	PI02-02
312074-09	EX01-WSW-12
312074-10	UST04-B-13
312074-11	SP01-01
312074-12	SP01-02
312074-13	SP01-03

Sample SP01-03 was not received in a 5035 sampling container. The data were flagged accordingly.

All other quality control requirements were acceptable.

#### ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/13 Date Received: 12/05/13

Project: SOU\_0914\_20131205, F&BI 312074

Date Extracted: 12/06/13

Date Analyzed: 12/06/13 and 12/09/13

#### RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Sample ID Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	Ethyl <u>Benzene</u>	Total <u>Xylenes</u>	Gasoline <u>Range</u>	Surrogate (% Recovery) (Limit 50-150)
PI01-01 312074-01	<0.02	0.37	0.17	2.2	35	116
UST03-B-13 312074-02	<0.02	0.025	< 0.02	0.095	<2	111
EX01-NSW-13 312074-03	0.024	0.12	<0.02	0.15	42	115
UST02-B-14 312074-04	<0.02	< 0.02	< 0.02	< 0.06	<2	112
EX01-ESW-13 312074-05	< 0.02	< 0.02	< 0.02	< 0.06	<2	112
UST01-B-14 312074-06	<0.02	<0.02	< 0.02	< 0.06	<2	112
EX01-SSW-13 312074-07	<0.02	< 0.02	<0.02	< 0.06	<2	108
PI02-02 312074-08	< 0.02	< 0.02	< 0.02	< 0.06	<2	112
EX01-WSW-12 312074-09	< 0.02	< 0.02	< 0.02	< 0.06	<2	109
UST04-B-13 312074-10	<0.02	<0.02	<0.02	< 0.06	4.0	109

#### ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/13 Date Received: 12/05/13

Project: SOU\_0914\_20131205, F&BI 312074

Date Extracted: 12/06/13

Date Analyzed: 12/06/13 and 12/09/13

#### RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Sample ID Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	Ethyl <u>Benzene</u>	Total <u>Xylenes</u>	Gasoline <u>Range</u>	Surrogate (% Recovery) (Limit 50-150)
SP01-01 312074-11	0.048	1.3	0.67	4.4	83	121
SP01-02 312074-12	0.099	2.5	1.1	6.4	92	122
SP01-03 pc 312074-13	<0.02	0.14	0.10	1.0	20	116
Method Blank 03-2471 MB	< 0.02	<0.02	< 0.02	< 0.06	<2	111

#### ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/13 Date Received: 12/05/13

Project: SOU\_0914\_20131205, F&BI 312074

Date Extracted: 12/10/13 Date Analyzed: 12/10/13

#### RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Sample ID Laboratory ID	Diesel Range (C <sub>10</sub> -C <sub>25</sub> )	Motor Oil Range (C <sub>25</sub> -C <sub>36</sub> )	Surrogate (% Recovery) (Limit 53-144)
PI01-01 312074-01	480	<250	89
UST03-B-13 312074-02	<50	<250	90
EX01-NSW-13 312074-03	<50	<250	90
UST02-B-14 312074-04	<50	<250	100
EX01-ESW-13 312074-05	<50	<250	104
UST01-B-14 312074-06	< 50	<250	88
EX01-SSW-13 312074-07	< 50	<250	90
PI02-02 312074-08	<50	<250	89
EX01-WSW-12 312074-09	<50	<250	92
UST04-B-13 312074-10	<50	<250	98

#### ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/13 Date Received: 12/05/13

Project: SOU\_0914\_20131205, F&BI 312074

Date Extracted: 12/10/13 Date Analyzed: 12/10/13

#### RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Sample ID Laboratory ID	<u>Diesel Range</u> (C <sub>10</sub> -C <sub>25</sub> )	Motor Oil Range (C <sub>25</sub> -C <sub>36</sub> )	Surrogate (% Recovery) (Limit 53-144)
SP01-01 312074-11	< 50	<250	90
SP01-02 312074-12	<50	<250	102
SP01-03 312074-13	< 50	<250	102
Method Blank 03-2535 MB	<50	<250	91

#### ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/13 Date Received: 12/05/13

Project: SOU\_0914\_20131205, F&BI 312074

# QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 312080-01 (Duplicate)

			Duplicate	
		Sample Result	Result	RPD
Analyte	Reporting Units	(Wet Wt)	(Wet Wt)	(Limit 20)
Benzene	mg/kg (ppm)	< 0.02	< 0.02	nm
Toluene	mg/kg (ppm)	< 0.02	< 0.02	nm
Ethylbenzene	mg/kg (ppm)	< 0.02	< 0.02	nm
Xylenes	mg/kg (ppm)	< 0.06	< 0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

			Percent	
		Spike	Recovery	Acceptance
Analyte	Reporting Units	Level	LCS	Criteria
Benzene	mg/kg (ppm)	0.5	87	69-120
Toluene	mg/kg (ppm)	0.5	96	70-117
Ethylbenzene	mg/kg (ppm)	0.5	100	65-123
Xylenes	mg/kg (ppm)	1.5	98	66-120
Gasoline	mg/kg (ppm)	20	95	71-131

#### ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/13 Date Received: 12/05/13

Project: SOU\_0914\_20131205, F&BI 312074

## QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS

### FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 312074-01 (Matrix Spike)

			Sample	Percent	Percent		
	Reporting	Spike	Result	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	(Wet Wt)	MS	MSD	Criteria	(Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	490	83	78	64-133	6

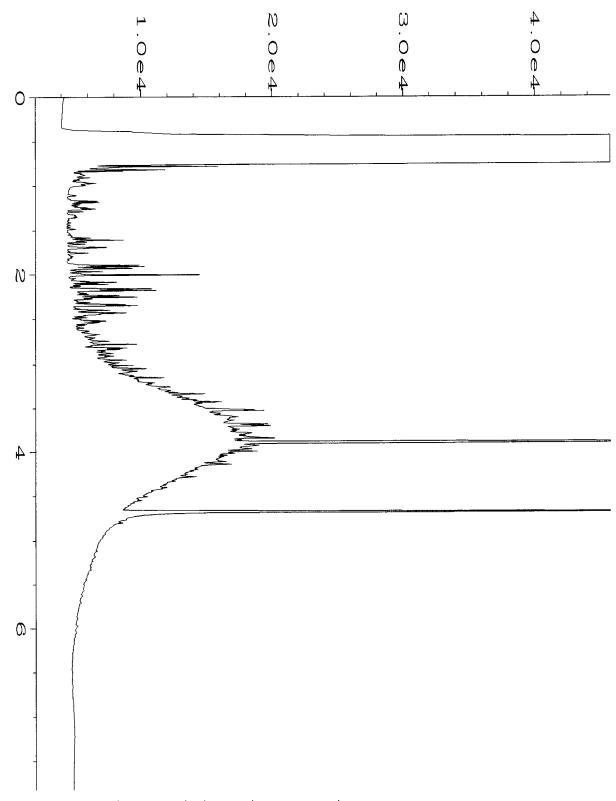
Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Diesel Extended	mg/kg (ppm)	5.000	92	58-147

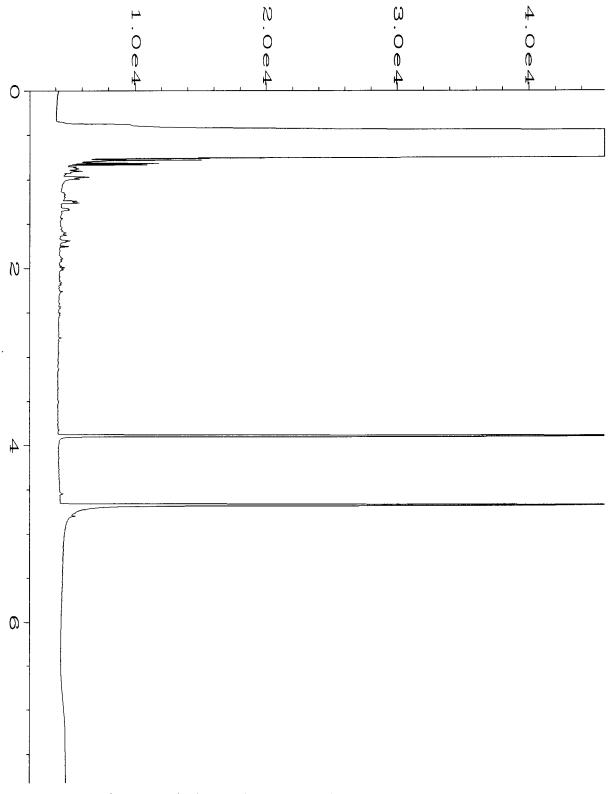
#### **ENVIRONMENTAL CHEMISTS**

#### **Data Qualifiers & Definitions**

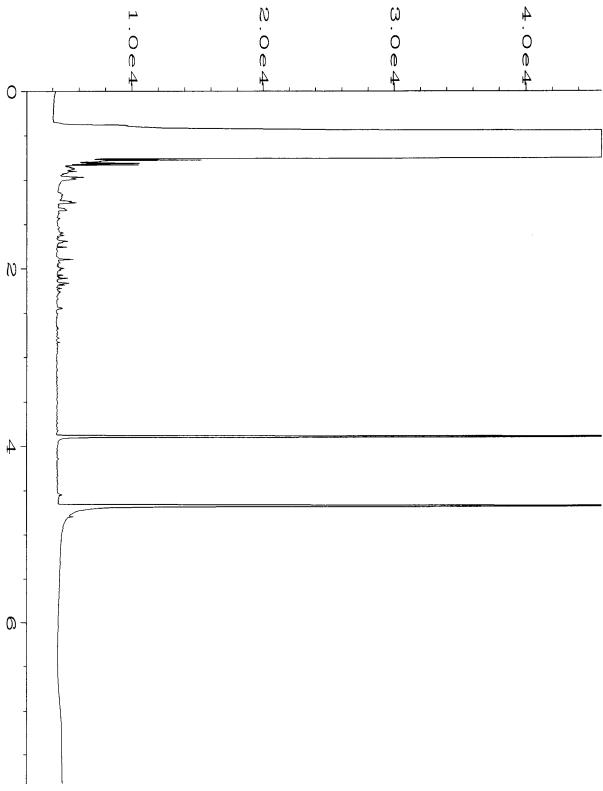
- $\boldsymbol{a}$  The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 More than one compound of similar molecule structure was identified with equal probability.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- $\operatorname{ca}$  The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte indicated may be due to carryover from previous sample injections.
- d The sample was diluted. Detection limits may be raised due to dilution.
- ds The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb Analyte present in the blank and the sample.
- fc The compound is a common laboratory and field contaminant.
- $hr\ \hbox{- The sample and duplicate were reextracted and reanalyzed.} \ RPD\ results\ were\ still\ outside\ of\ control\ limits. \ The\ variability\ is\ attributed\ to\ sample\ inhomogeneity.}$
- ht Analysis performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j The result is below normal reporting limits. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the compound indicated is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- $\operatorname{pr}$  The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



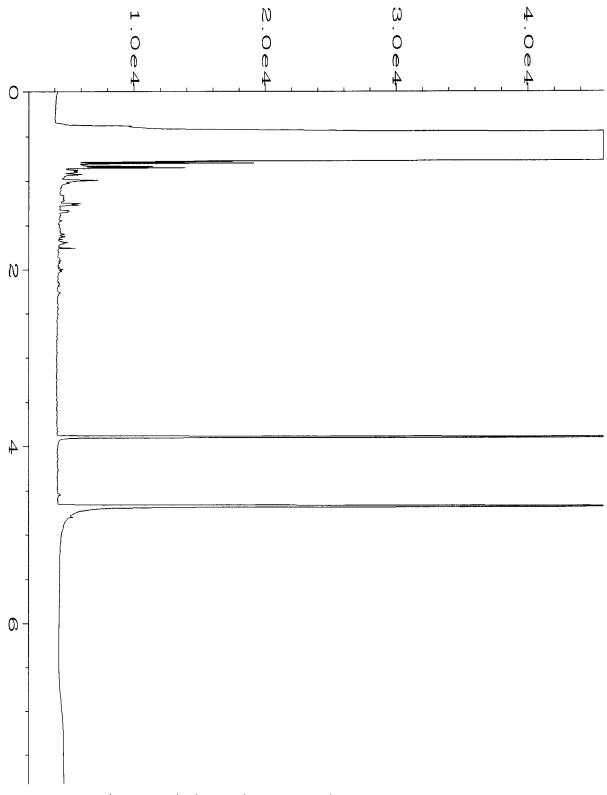
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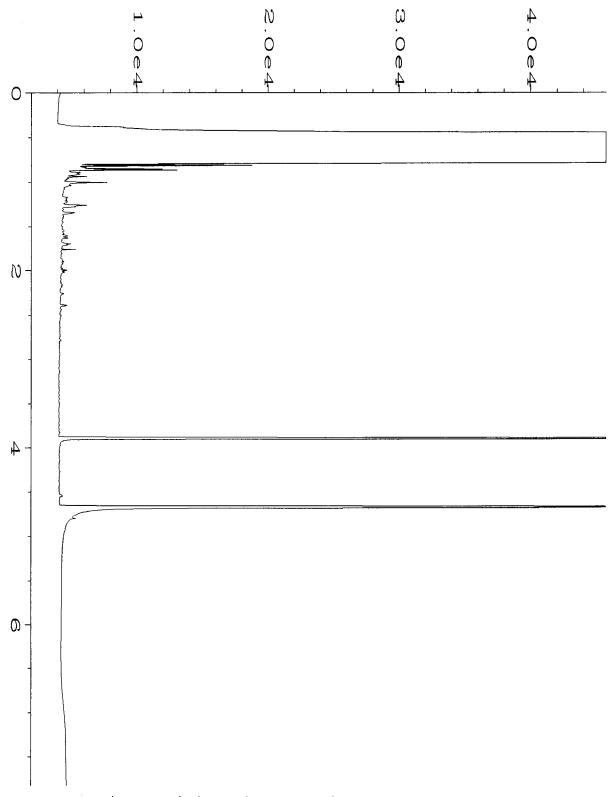
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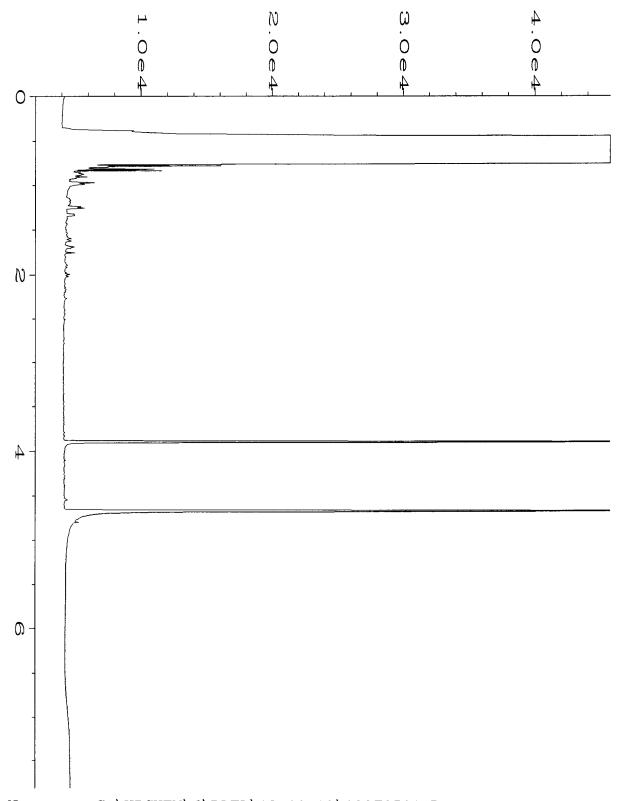
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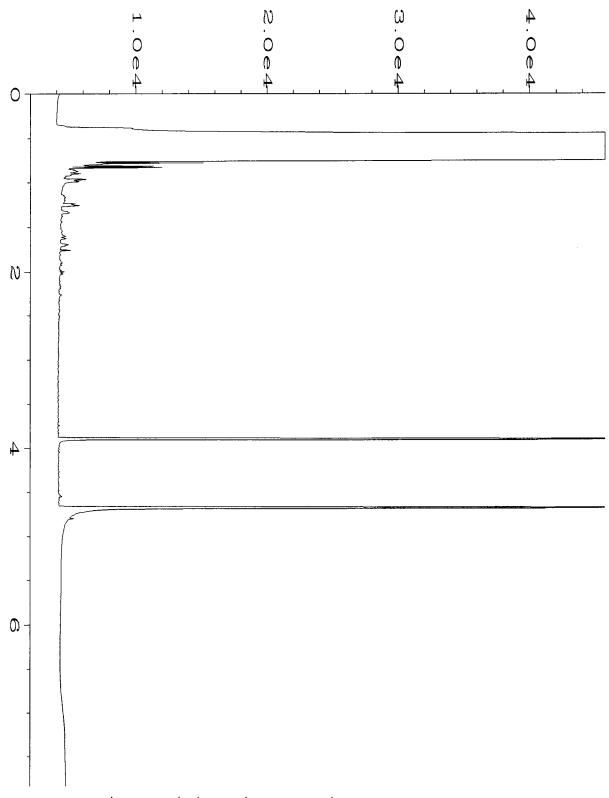
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                                               Injection Number: 1
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Run Time Bar Code:
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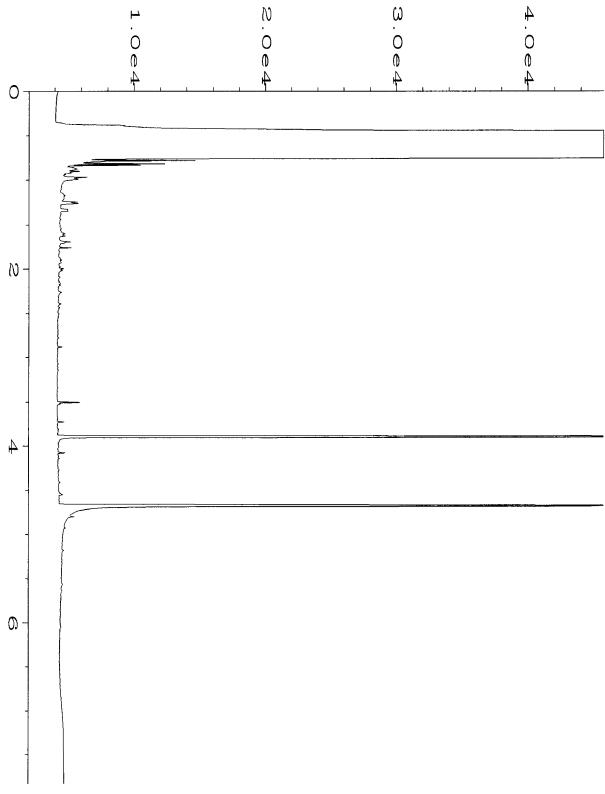
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                                               Injection Number: 1
Run Time Bar Code:
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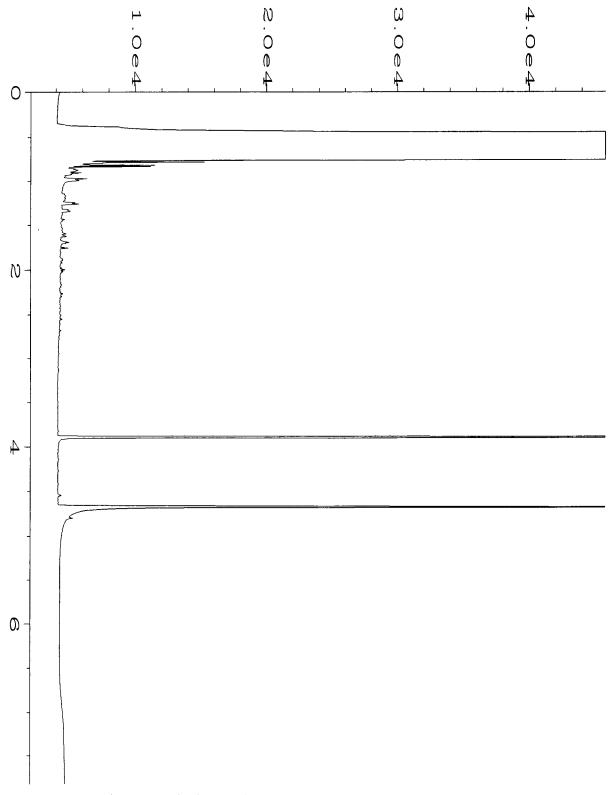
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                                               Injection Number: 1
Run Time Bar Code:
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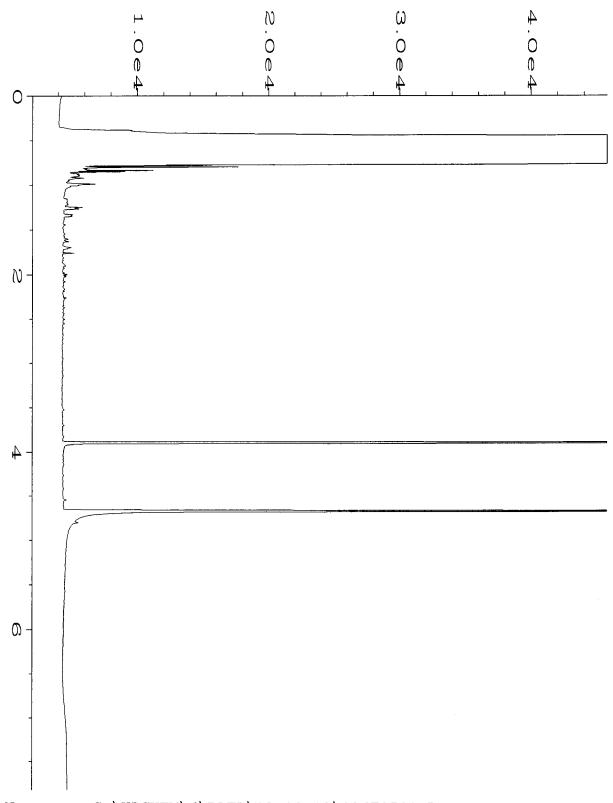
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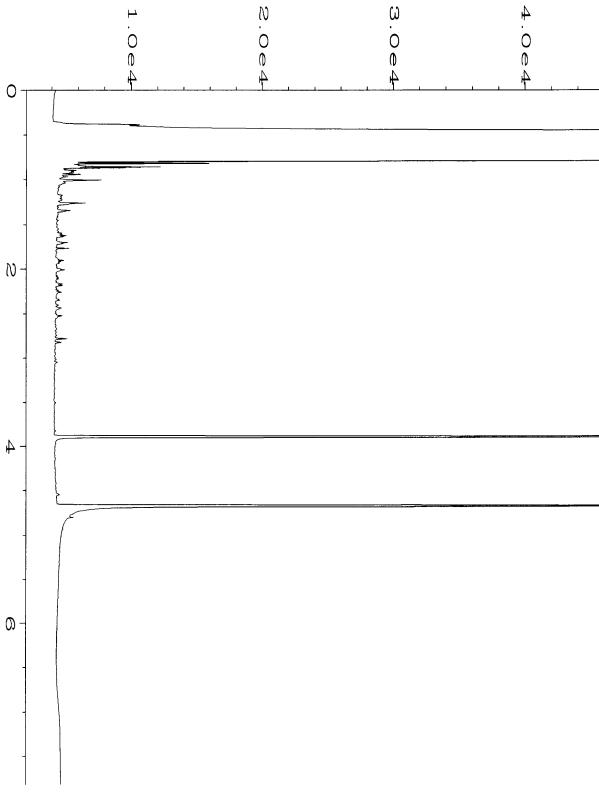
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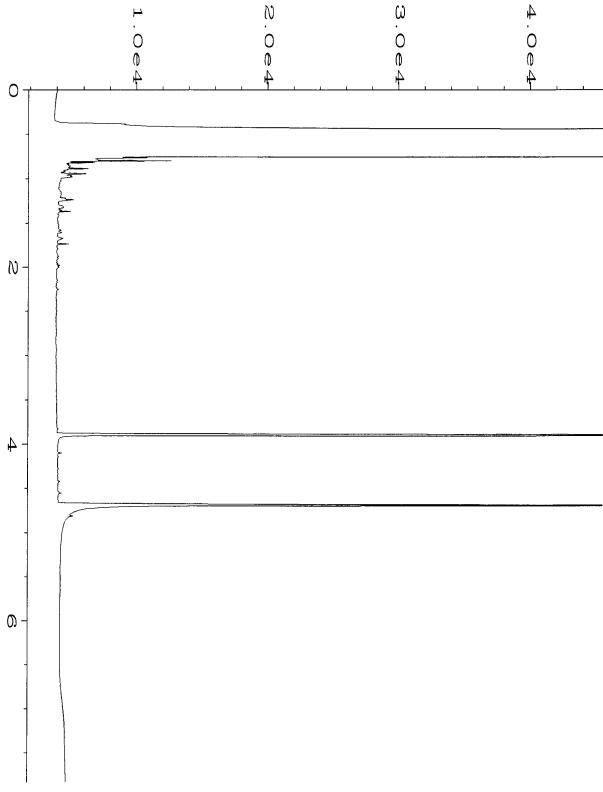
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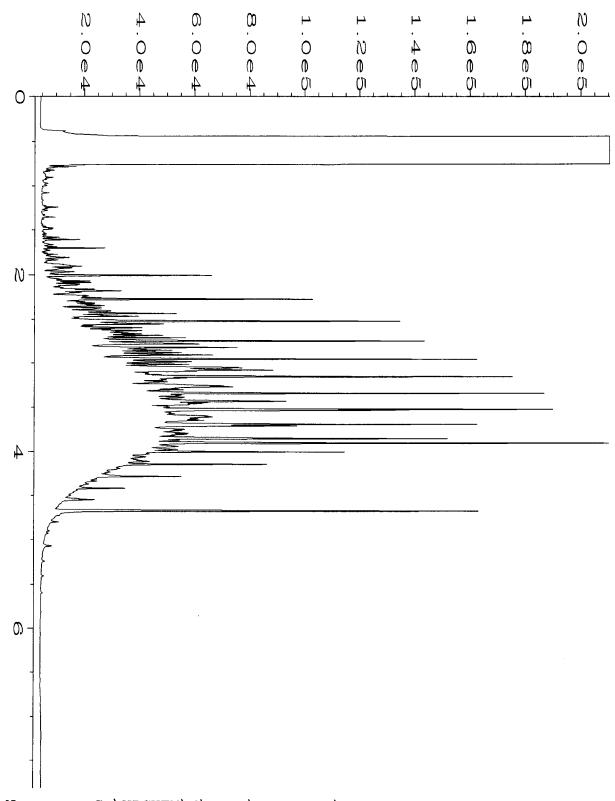
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Instrument
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Sample Name
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Run Time Bar Code:
                                                                 : 5
                                                Sequence Line
Acquired on
                : 10 Dec 13
                                                Instrument Method: DX.MTH
                              06:51 PM
Report Created on: 11 Dec 13
                              08:55 AM
                                                Analysis Method : DX.MTH
```



```
Data File Name
                 : C:\HPCHEM\6\DATA\12-10-13\038F0501.D
Operator
                 : mwdl
                                                Page Number
                                                                  : 1
Instrument
                 : GC #6
                                                Vial Number
                                                                  : 38
Sample Name
                 : 312074-12
                                                Injection Number: 1
Run Time Bar Code:
                                                                 : 5
                                                Sequence Line
Acquired on
                 : 10 Dec 13
                                                Instrument Method: DX.MTH
                              07:16 PM
Report Created on: 11 Dec 13
                             08:55 AM
                                                Analysis Method : DX.MTH
```



```
Data File Name
                 : C:\HPCHEM\6\DATA\12-10-13\023F0501.D
Operator
                 : mwdl
                                               Page Number
                                               Vial Number
Instrument
                 : GC #6
                                                                : 23
Sample Name
                 : 03-2535 mb
                                               Injection Number: 1
Run Time Bar Code:
                                               Sequence Line
Acquired on : 10 Dec 13
                             04:15 PM
                                               Instrument Method: DX.MTH
Report Created on: 11 Dec 13 08:54 AM
                                               Analysis Method : DX.MTH
```



```
: C:\HPCHEM\6\DATA\12-10-13\003F0201.D
Data File Name
Operator
                 : mwdl
                                               Page Number
Instrument
                 : GC #6
                                               Vial Number
Sample Name
                : 500 Dx 41-23C
                                               Injection Number: 1
Run Time Bar Code:
                                               Sequence Line : 2
Acquired on : 10 Dec 13
                             08:58 AM
                                               Instrument Method: DX.MTH
Report Created on: 11 Dec 13
                             08:54 AM
                                               Analysis Method : DX.MTH
```

3	120	74

SAMPLE CHAIN OF CUSTODY WE 12-05-13

CΧ	23 /11	2
	of	]

Send Report To Reb Robert 3
Company SamulEarth Straights
Address 281) Frieview Are E Suite 2000
City, State, ZIP 500 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

	SAMPLERS (signature)	Page # of TURNAROUND TIM						
_	PROJECT NAME/NO.  SKS SWILL 0914	PO #	Standard (2 W RUSH		 y:			
-	REMARKS	GEMS Y /	SAMPLE  © Dispose after  □ Return sampl  □ Will call with	les	3			

- 1	Page # or
	TURNAROUND TIME
	Standard (2 Weeks) ☐ RUSH
	Rush charges authorized by:
	SAMPLE DISPOSAL
i	☑Dispose after 30 days

											ANAI	YSES	REQ	UES	TED	
Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Tim e Sam pled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
P101-01	PIOI	t	OIAÉ	12/4/13	0945	Sal	5	×	X	又						
4503-8-13 EXOI-554-13	WS703-B	13	02 T		1045		1	X	X	メ						
EX01-334-13	EXU1-X2M	13	03		1050			×	X	人						
45707-B-14	9-E072h	14	04		1250			メ	X	X						
EXUI-EXXI-13		13	05		1300			X	X	$\times$						
45701-13-14	U5701-B	14	06		1530			X	X	X						
EXC1-55W-13	<del>distr</del> EN1-554		07	<b>\</b>	1535			X	X	X						
<b>L704-93</b>	ENER	Ŷ	08	13/5/13	0745			X	X	X						
EXC1-W5W-13	EKI-WOW	13	191		0890			X	人	メ						
45704-13	4574-13	13	in		0835			X	X	X						
SP01-01	SPOI		11		0845			乂	X	人						
501-03	SPOi		12/		1100		$\downarrow$	X	X	X						
SPU1-03	SPOI	_	134	· V	1110	V	3	メ	乂	X						

Friedman & Bruya, Inc. 3012 16th Avenue West

Seattle, WA 98119-2020 Ph. (206) 285-8282 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME	
Relinquished by:	- David Mendel	SimdErM	12/5/13	1145	
Received by:	VINE	FBI	12/5/13	1145	
Relinquished by:	,				
Received by:					