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August 11, 2014

Chris Tougeron
Senior Hazardous Materials Inspector
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Subject: **Underground Storage Tank Removal Report
Powell Street Shell
1800 Powell Street
Emeryville, California**

Dear Mr. Tougeron:

This letter report presents the results of underground storage tank (UST) removal activities performed at the Powell Street Shell #102 located at 1800 Powell Street, Emeryville, California (site). The work was conducted during May and June 2014 by Sparger Technology, Inc. (Sparger) and is submitted on behalf Sunny Goyal of AU Energy (property owner). The site is a Shell branded service station that is currently being renovated. A task of the service station renovation project was the removal of the existing underground storage tanks. Four 10,000-gallon single wall fiberglass USTs were removed (three gasoline and one diesel). These were replaced with two new double wall fiberglass USTs. A 20,000-gallon regular unleaded gasoline and a 15,000-gallon tank split 7,000-gallon diesel and 8,000-gallon premium gasoline. Sparger collected regulatory compliance soil samples from the UST excavation bottom and below the dispensers and product lines. Wendt Construction, of Lodi, California provided engineering services for the UST removal activities. Musco Excavators Inc. provided UST Contractor services (License # 634117). Summarized below are a description of the UST removal, soil sampling activities beneath the USTs, dispensers and piping, and the results of laboratory analysis of soil samples.

Soil and historical industrial waste debris previously deposited beneath the site and surrounding area was found to contain Asbestos Containing Materials (ACM). Soil excavation, transportation, and management other than UST Removal is reported under separate cover by Bureau Veritas North America, Inc.



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Permits

Prior to UST removal activities, Musco Excavators, Inc. obtained Underground Storage Tank System Closure permits from Alameda County, Department of Environmental Health (ACDEH). The ACDEH issued permit number SR0024936 on April 29, 2014. A copy of the permit is included as Attachment A.

UST Removal Activities

During May 2014, UST system closure activities included the removal of four 10,000-gallon USTs. Three USTs previously contained gasoline and one contained diesel. The tanks content was removed on May 19, 2014. The product lines from the UDCs to the tanks were flushed on May 19, 2014. The USTs were triple rinsed by Adams Services, Inc. personnel on May 19, 2014 using a fresh water/detergent mixture and a hot water pressure washer. Following rinsing, visual inspection of the tanks did not indicate any residual sludge or liquid on the visible portions of the interior of the tanks. Approximately 500-gallons of rinsate were removed from the tanks using a vacuum truck. The UST rinsate was then transported as non-RCRA hazardous waste liquid for treatment and recycling by Adams Services, Inc. under manifest number 010403863 JJK, to the Demenno/Kerdoon facility in Compton, California. A copy of the waste manifest for the rinsate is included as Attachment B. Excavation activities began with the removal of the concrete cap and fill material (pea gravel) around the USTs. The excavated fill was placed on and covered with polyethylene sheeting adjacent to the excavation. Musco Excavators, Inc. of Santa Rosa, California (license contractor #634117) performed the UST excavation activities.

On May 20, 2014, in preparation for the removal of the USTs, Musco Excavators placed approximately 250 pounds of dry ice inside each of the USTs. Over the next few hours, the lower explosion limit (LEL) and percent oxygen were measured within each of the tanks using a Gastech GT402 meter. The final readings for LEL and percent oxygen were recorded at 0% LEL and 20.9% oxygen, respectively. The readings were measured by Bryan Musco, a licensed hazardous substance removal contractor, under observation of the CUPA. The hazardous waste tank closure certification form (UPCF HWF 1249) is presented as Attachment C. Under guidance of the CUPA, the USTs were deemed inert and non-hazardous and were crushed on site. On May 21, 2014, the piping and four fiberglass tanks were transported as crushed fiberglass tanks to Potrero Hills Landfill in Suisun, California. The non-hazardous waste manifest for the crushed fiberglass tanks are presented as Attachment D. Subsequently to tank removal, under CUPA guidance, regulatory compliance soil samples were collected from the excavation bottom below the USTs, dispensers (UDCs), and associated piping.

Regulatory Compliance Soil Sampling Activities

On May 20, 2014, Sparger field personnel collected soil samples from beneath the removed tank system. Soil samples were collected from native soil approximately 2 feet below the ends of each tank at approximately 14-feet below ground surface (bgs). Soil samples were also collected from beneath the dispensers and also at the joints and mid piping lines. The soil samples collected from below each end of the tanks were designated TANK-1E, TANK-1W, TANK-2E, TANK-2W, TANK-3E, TANK-3W, and TANK-4E TANK-4W. The samples from beneath the product dispensers were designated UDC-1, UDC-2, UDC-3, UDC-4, UDC-5, UDC-6-7, UDC-8-9, UDC-10-11, and UDC-12. The samples from beneath the piping were designated PT-1 through PT-3. Piping and UDC soil samples were collected from approximately 4 feet bgs. A groundwater grab sample was also collected from the standing water in the excavation (TANK PIT WATER). The samples were collected under the guidance of the CUPA and the locations are shown on Figure 1.

Soil Sample Analysis and Results

The samples were transported under chain of custody protocol and submitted to Sparger Technology, Inc. of Rancho Cordova, California, a State-certified environmental laboratory, for analysis. The analytical protocol is presented below:

- TPH-G by 8015M
- TPH-D by 8015M
- 5 Oxygenates and BTEX by 8260B
- 1,2 DCA, EDB, Naphalene, Ethanol by 8260B
- Organic Lead by LUFT

The results of laboratory analysis are summarized below and presented in the attached data Table 1.

Four of the eight soil samples collected from the native soil beneath the USTs during removal on May 20, 2014 were generally non-detect (ND) for TPH-G and associated volatiles. But, the diesel tank (TANK-4, E and W) had results of 3,800 and 1,700 mg/kg TPH-D; and TANK-1 and TANK-2 had detections on the east side. TANK-1E and TANK-2E had detections of 180 and 1,700 ug/kg of benzene. Organic lead results were ND.

- TPH-G was generally ND at all UST samples with some detection at UDCs.
- TPH-D was 3,800 and 1,700 mg/kg at TANK-4 at E and W, respectively
- BTEX had detections at TANK-1E, TANK-2E, UDC 6/7, UDC 8/9, UDC 10/11, and PT-3. Benzene concentrations are reported up to 4,200 at PT-3.
- TAME, DIPE, ETBE, TBA, 1,2 DCA, 1,2 EDB, and ethanol were generally ND.
- Naphthalene results ranges from ND to 25,000 ug/kg at PT-3.
- Organic lead results were ND.

The results of analyses on the grab groundwater sample from the standing water within the UST excavation had detections of TPH-G, TPH-D, and BTEX. Sample TANK PIT WATER had results of 12,000 ug/L and 29,000 ug/L of TPH-G and TPH_D, respectively. Benzene was reported at 290 ug/L.

To set the new USTs, approximately 10,000-gallons of groundwater was removed from the new tank pit. The water was removed and transported by Safety Kleen of Newark, California. Copies of transportation manifests are presented in Attachment E.

Copies of the Sparger laboratory reports are included in Attachment F.

UST Removal and Sampling Summary

The following is a summary of UST removal activities:

- During early May, 2014, the four 10,000-gallon USTs were emptied of contents.
- On May 19, 2014 the UDCs and piping were rinsed and flushed into the USTs.
- On May 19, 2014 the tanks were triple rinsed and the rinsate was transported off-site for disposal.
- On May 20, 2014, the four 10-000-gallon USTs were removed, deemed non-hazardous waste, and subsequently crushed on site for landfill disposal.
- On May 20, 2014, samples were collected from native soil below the ends of each of the tanks. Soil samples were also collected from beneath the dispensers and associated piping lines, and from standing water within the tank pit.
- Four of the eight soil samples collected from the native soil beneath the USTs during removal on May 20, 2014 were generally non-detect (ND) for TPH-G and associated volatiles.
- The diesel tank (TANK-4, E and W) had results of 3,800 and 1,700 mg/kg TPH-D; and TANK-1 and TANK-2 had detections on the east side. TANK-1E and TANK-2E had detections of 180 and 1,700 ug/kg of benzene. Organic lead results were ND.
- TAME, DIPE, ETBE, TBA, 1,2 DCA, 1,2 EDB, and ethanol were generally ND.
- Sample TANK PIT WATER had results of 12,000 ug/L and 29,000 ug/L of TPH-G and TPH-D, respectively. Benzene was reported at 290 ug/L. Subsequently, approximately 10,000-gallons of impacted groundwater was pumped from the tank pit on May 19, 2014 to accommodate installation of the new USTs.
- Additional soil containing ACM was removed from the site during station reconfiguration as California hazardous waste and transported to Forward Landfill, Inc. in Manteca, California. The management and disposal of ACM encountered during the UST removal will be presented in a separate report.

Closing

Should you have any questions, please contact me at (916) 778-8719 or Ray James at (916) 369-7688.

Respectfully,



Michael D. Miller
Professional Geologist 6008



Ray James
President - Sparger Technology, Inc.

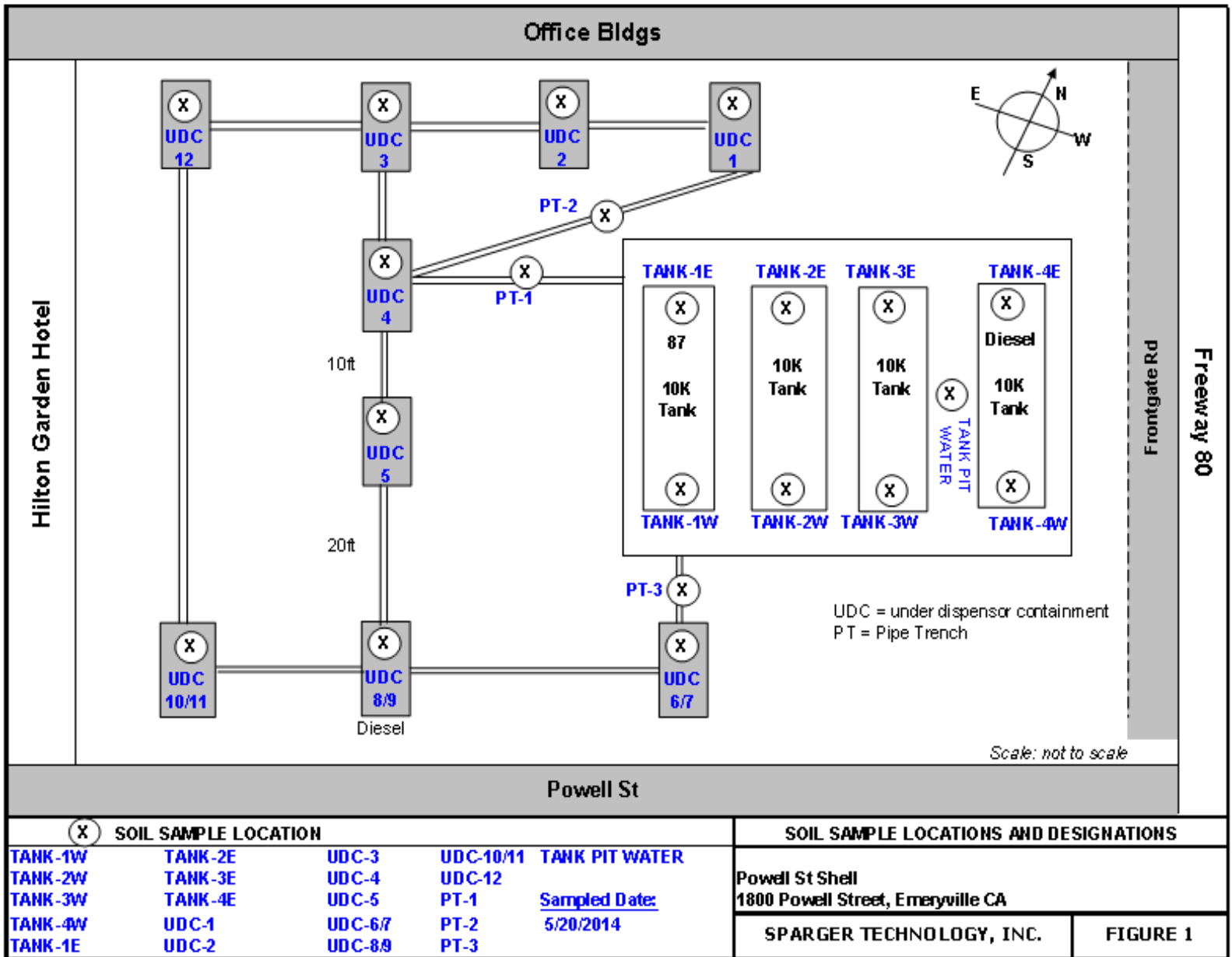
Cc: Sunny Goyal of AU Energy, LLC

Figure 1	Site map with tank pit, UDC, and piping soil sample locations
Table 1	Tabulated laboratory results
Attachment A	Copy of the UST System Closure permits from Alameda County
Attachment B	Copy of the UST cleaning rinsate waste manifest
Attachment C	Copy of O2 and LEL tank closure certification
Attachment D	UST non-hazardous waste manifest
Attachment E	Groundwater Removal Manifests
Attachment F	Laboratory reports and chain of custody



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FIGURE





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TABLES

**LABORATORY RESULTS - TANK CLOSURE SOIL SAMPLES - MAY 2014
EMERYVILLE SHELL - 1800 POWELL STREET, EMERYVILLE, CALIFORNIA**

May 20, 2014 CUPA UST soil samples at 12.0 ft bgs and UDC samples at 4.0 ft bgs - Cont'

Gas and Diesel (mg/Kg)		Volatiles (ug/Kg)												
	TPH-G	TPH-D	B	T	E	X	MTBE	TAME	DIPE	ETBE	TBA	1-2, DCA	1-2, EDB	NAPTH
PT-2	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
UDC-3	ND	-	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND
UDC-12	ND	-	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND
UDC-10-11	1100	-	2100	8400	13000	72000	ND	ND	ND	ND	ND	ND	ND	6200
UDC-8-9	360	1,000	ND	120	370	5000	ND	ND	ND	ND	ND	ND	ND	2300
UDC-6-7	980	-	920	210	1100	1800	ND	ND	ND	ND	ND	ND	ND	1500
PT-3	2700	1700	4200	180	19000	2000	ND	ND	ND	ND	ND	ND	ND	25000
TP WATER *	12000	29000	290	2100	360	2600	20	ND	ND	ND	ND	ND	ND	40

* water units = ug/L



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ATTACHMENT A

ALAMEDA COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502-6577
PHONE (510) 567-6700

APR 29 2014

Environmental Health

ACCEPTED

Underground Storage Tank Closure Permit Application
Alameda County Division of Hazardous Materials
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

These UST removal plans have been reviewed and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans required by this Department are to assure compliance with State and local laws. The project proposed herein is now related by issuance of any required building permits for construction.

One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the project.

Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 72 hours prior to the following events: J inspections:

- Removal of Tank(s) and Piping
- Sampling
- Final Inspection

Issuance of a) permit to operate, b) permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

*** THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS: ***

Contact Specialist:

CHRIS TOUGERON
Chris Tougeron 5-9-2014
510-567-6804

UNDERGROUND STORAGE TANK CLOSURE PLAN

*** Complete closure plan according to instructions ***

1. Name of Business SHELL STATION
Business Owner or Contact Person (PRINT) AU ENERGY, LLC/JOHN ELLIS
2. Site Address 1800 1/2 POWELL STREET
City, State EMERYVILLE, CA Zip 94608 Phone 510-657-9150
3. Mailing Address 41805 ALBRAE STREET
City, State FREMONT, CA Zip 94538 Phone 510-657-9150
4. Property Owner AU ENERGY, LLC
Business Name (if applicable) C/O NICK GOYAL
Address 41805 ALBRAE STREET
City, State FREMONT Zip 94538 Phone 510-657-9150
5. Generator name under which tank will be manifested
AU ENERGY - POWELL SHELL
EPA I.D. No. under which tank(s) will be manifested CAL000350923

SR0024936

UST REMOVAL
1800 POWELL
5-1-2014

6. Contractor MUSCO EXCAVATORS, INC.
 Address 2526 GREENVALE COURT
 City, State SANTA ROSA, CA Zip 95401 Phone 707-579-0250
 License Type A, B, C10, C21, HAZ ID# 634117
7. Consultant (if applicable) SPARGER TECHNOLOGY, INC.
 Address 3738 BRADVIEW DRIVE
 City, State SACRAMENTO, CA Zip 95827 Phone 916-369-7688
8. Main Contact Person for Investigation (if applicable)
 Name _____ Title _____
 Company SPARGER TECHNOLOGY, INC.
 Phone 916-369-7688
9. Number of underground tanks being closed with this plan 4
 Length of piping being removed under this plan ~1,500' OF DW PIPE
 Total number underground tanks at this facility (**confirmed with owner or operator) 4
10. State Registered Hazardous Waste Transporters/Facilities (See Instructions).
- a) Product/Residual Sludge/Rinsate Transporter
 Name ADAMS SERVICES EPA I.D. No. CAR000189431
 Hauler License No. 3216 License Exp. Date 12/14
 Address 406 E. ALONDRA BLVD.
 City, State GARDENA, CA Zip 90248
- b) Product/Residual Sludge/Rinsate Disposal Site
 Name DEMENNO/KERDOON EPA I.D. No. CAT080013352
 Address 2000 NORTH ALAMEDA STREET
 City, State COMPTON, CA Zip 90222

c) Tank and Piping Transporter

Name MUSCO EXCAVATORS, INC. EPA I.D. No. N/A

Hauler License No. HAULED AS NON-HAZ License Exp. Date _____

d) Tank and Piping Disposal Site

Name POTRERO HILLS LANDFILL EPA I.D. No. DISPOSE AS C&D

Address 3675 POTRERO HILLS LANE

City, State SUISUN CITY, CA Zip 94585

11. Sample Collector

Name _____

Company SPARGER TECHNOLOGY, INC.

Address 3738 BRADVIEW DRIVE

City, State SACRAMENTO, CA Zip 95827 Phone 916-369-7688

12. Laboratory

Name _____

Company SPARGER TECHNOLOGY, INC.

Address 3738 BRADVIEW DRIVE

City, State SACRAMENTO, CA Zip 95827 Phone 916-369-7688

State Certification No. 1614

13. Have tank(s) or piping leaked in the past? Yes [X] No [] Unknown []

If yes, describe: During the installation of new dispensers in September 1992, a leak from damaged fiberglass piping connected to an underground storage tank at the site was reported. The release was reported as approximately 3,200 gallons of super unleaded gasoline. In response to the release, five tank backfill wells (S-1 through S-4, and S-11) and six groundwater monitoring wells (S-5 through S-10) were installed at the site sometime prior to August 1983. Boring logs and well construction details are unavailable for these wells. An Unauthorized Release Report (URR) was submitted by Shell on September 10, 1982. Free product removal was reportedly conducted in 1989 but no documentation of the removal is available. Site investigation activities were conducted in 1996 and 2006. A fuel system upgrade was conducted in 2004. Annual groundwater monitoring is currently ongoing to confirm that the concentrations of dissolved phase petroleum hydrocarbons are decreasing from elevated levels. The site was affected by a recent release of diesel from product piping on October 1, 2013. Cleanup and investigation of the recent release will be needed.

14. Describe method(s) to be used for rendering tank(s) inert: *The product lines will be flushed with nitrogen and rinsed back into the tanks with all liquid being removed. Pump out and triple*

rinse all tanks using a vacuum truck and high pressure hydro-blasting equipment and emulsifying detergent until 0% LEL is achieved and sludge has been removed from the tanks interior. Tanks atmosphere will be verified using a GASTECH GT402 meter that is properly calibrated. All tank cleaning will be conducted through the tank's 4" bung holes and man holes. Dry ice will not be added to the tanks due to the LEL being zero.

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 verify tank inertness. **It is the contractor's responsibility to have a functional combustible gas indicator on-site to verify that the tank(s) is inerted.**

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

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Sample(s)
Capacity (gallons)	Use History include date last used (estimated)		
10,000 X 4	ALL WERE INSTALLED IN 1/1980 AND ARE STILL IN USE (as of 4/24/14)	SOIL AND GROUNDWATER	BENEATH THE END OF EACH TANK AT A MAXIMUM DEPTH OF 2' BELOW NATIVE SOIL OR SIDEWALL AT THE HIGH WATER MARK

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/Stockpiled Soil	
<p>Stockpiled Soil Volume (estimated)</p> <p>~200 YARDS OF PEA GRAVEL</p>	<p>Sampling Plan</p> <p>AS DIRECTED BY THE OVERSEEING AGENCY.</p>

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 unknown

If yes, explain reasoning _____

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
TABLE 2 RECOMMENDATIONS WILL BE UTILIZED FOR ANALYSES			

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy

Name of Insurer BENCHMARK INSURANCE COMPANY

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).

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan has been approved.

I understand that any changes in design, materials, or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business MUSCO EXCAVATORS, INC.

Name of Individual BRYAN MUSCO

Signature *Bryan H. Musco* Date 4/28/14

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Check one) RMAGR 7.1.02.07

Name of Business AU ENERGY, LLC - POWELL SHELL

Name of Individual *Nick Boyal*

Signature *Nick Boyal* Date 4/28/2014

**UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANK
OPERATING PERMIT APPLICATION – TANK INFORMATION** (One form per UST)

TYPE OF ACTION (Check one item only. For an UST permanent closure or removal, complete only this section and Sections I, II, III, IV, and IX below)		430
<input type="checkbox"/> 1. NEW PERMIT	<input type="checkbox"/> 3. RENEWAL PERMIT	<input type="checkbox"/> 5. CHANGE OF INFORMATION
<input type="checkbox"/> 6. TEMPORARY UST CLOSURE	<input type="checkbox"/> 7. UST PERMANENT CLOSURE ON SITE	<input checked="" type="checkbox"/> 8. UST REMOVAL
DATE UST PERMANENTLY CLOSED:	430a	DATE EXISTING UST DISCOVERED:
	430b	

I. FACILITY INFORMATION

FACILITY ID # (Agency Use Only)	1
BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As)	3
POWELL SHELL #102 (CUPA)	
BUSINESS SITE ADDRESS	103
1800 1/2 POWELL STREET	104
CITY	104
EMERYVILLE	

II. TANK DESCRIPTION

TANK ID # 1	432	TANK MANUFACTURER	433	TANK CONFIGURATION: THIS TANK IS	434
		OWENS CORNING		<input checked="" type="checkbox"/> 1. A STAND-ALONE TANK	
				<input type="checkbox"/> 2. ONE IN A COMPARTMENTED UNIT	
				Complete one page for each compartment in the unit.	
DATE UST SYSTEM INSTALLED	435	TANK CAPACITY IN GALLONS	436	NUMBER OF COMPARTMENTS IN THE UNIT	437
1/1/1980		10,000		1	

III. TANK USE AND CONTENTS

TANK USE	<input checked="" type="checkbox"/> 1a. MOTOR VEHICLE FUELING	<input type="checkbox"/> 1b. MARINA FUELING	<input type="checkbox"/> 1c. AVIATION FUELING	439	
	<input type="checkbox"/> 3. CHEMICAL PRODUCT STORAGE	<input type="checkbox"/> 4. HAZARDOUS WASTE (Includes Used Oil)	<input type="checkbox"/> 5. EMERGENCY GENERATOR FUEL [HSC §25281.5(c)]		
	<input type="checkbox"/> 6. OTHER GENERATOR FUEL	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER (Specify):	439a	
CONTENTS	PETROLEUM:	<input checked="" type="checkbox"/> 1a. REGULAR UNLEADED	<input type="checkbox"/> 1c. MIDGRADE UNLEADED	<input type="checkbox"/> 1b. PREMIUM UNLEADED	440
		<input type="checkbox"/> 3. DIESEL	<input type="checkbox"/> 5. JET FUEL	<input type="checkbox"/> 6. AVIATION GAS	
		<input type="checkbox"/> 8. PETROLEUM BLEND FUEL	<input type="checkbox"/> 9. OTHER PETROLEUM	(Specify):	440a
	NON-PETROLEUM:	<input type="checkbox"/> 7. USED OIL	<input type="checkbox"/> 10. ETHANOL		
		<input type="checkbox"/> 11. OTHER NON-PETROLEUM (Specify):			440b

IV. TANK CONSTRUCTION

TYPE OF TANK	<input checked="" type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 95. UNKNOWN	443	
PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input checked="" type="checkbox"/> 3. FIBERGLASS	<input type="checkbox"/> 6. INTERNAL BLADDER	444	
	<input type="checkbox"/> 7. STEEL + INTERNAL LINING	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER (Specify):	444a	
SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 3. FIBERGLASS	<input type="checkbox"/> 6. EXTERIOR MEMBRANE LINER	<input type="checkbox"/> 7. JACKETED	445
	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER (Specify):	445a	
OVERFILL PREVENTION	<input checked="" type="checkbox"/> 1. AUDIBLE & VISUAL ALARMS	<input type="checkbox"/> 2. BALL FLOAT	<input checked="" type="checkbox"/> 3. FILL TUBE SHUT-OFF VALVE	452	
	<input type="checkbox"/> 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT				

V. PRODUCT / WASTE PIPING CONSTRUCTION

PIPING CONSTRUCTION	<input checked="" type="checkbox"/> 1. SINGLE-WALLED	<input type="checkbox"/> 2. DOUBLE-WALLED	<input type="checkbox"/> 99. OTHER	460	
SYSTEM TYPE	<input checked="" type="checkbox"/> 1. PRESSURE	<input type="checkbox"/> 2. GRAVITY	<input type="checkbox"/> 3. CONVENTIONAL SUCTION	<input type="checkbox"/> 4. SAFE SUCTION [23 CCR §2636(a)(3)]	458
PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input checked="" type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 8. FLEXIBLE	<input type="checkbox"/> 10. RIGID PLASTIC	464
	<input type="checkbox"/> 90. NONE	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER (Specify):	464a	
SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 8. FLEXIBLE	<input type="checkbox"/> 10. RIGID PLASTIC	464b
	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER (Specify):	464c	
PIPING/TURBINE CONTAINMENT SUMP TYPE	<input checked="" type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 90. NONE	464d	

VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION

VENT PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input checked="" type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify)	464e
						464e1
VENT SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify)	464f
						464f1
VR PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input checked="" type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify)	464g
						464g1
VR SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify)	464h
						464h1
VENT PIPING TRANSITION SUMP TYPE	<input checked="" type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 90. NONE			464i
RISER PRIMARY CONTAINMENT	<input checked="" type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify)	464j
						464j1
RISER SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input checked="" type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify)	464k
						464k1
FILL COMPONENTS INSTALLED	<input checked="" type="checkbox"/> 1. SPILL BUCKET	<input checked="" type="checkbox"/> 3. STRIKER PLATE/BOTTOM PROTECTOR	<input checked="" type="checkbox"/> 4. CONTAINMENT SUMP			451a-c

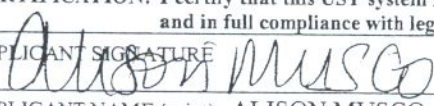
VII. UNDER DISPENSER CONTAINMENT (UDC)

CONSTRUCTION TYPE	<input checked="" type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 3. NO DISPENSERS	<input type="checkbox"/> 90. NONE	469a
CONSTRUCTION MATERIAL	<input type="checkbox"/> 1. STEEL	<input checked="" type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input type="checkbox"/> 99. OTHER (Specify)	469b-c

VIII. CORROSION PROTECTION

STEEL COMPONENT PROTECTION	<input type="checkbox"/> 2. SACRIFICIAL ANODE(S)	<input type="checkbox"/> 4. IMPRESSED CURRENT	<input checked="" type="checkbox"/> 6. ISOLATION	448
----------------------------	--	---	--	-----

IX. APPLICANT SIGNATURE

CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.		
APPLICANT SIGNATURE		DATE 4/28/2014
APPLICANT NAME (print)	ALISON MUSCO	APPLICANT TITLE
(CONTRACTOR) FOR OWNER		CONTRACTOR FOR OWNER

**UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANK
OPERATING PERMIT APPLICATION – TANK INFORMATION** (One form per UST)

TYPE OF ACTION (Check one item only. For an UST permanent closure or removal, complete only this section and Sections I, II, III, IV, and IX below)		430
<input type="checkbox"/> 1. NEW PERMIT	<input type="checkbox"/> 3. RENEWAL PERMIT	<input type="checkbox"/> 5. CHANGE OF INFORMATION
<input type="checkbox"/> 6. TEMPORARY UST CLOSURE	<input type="checkbox"/> 7. UST PERMANENT CLOSURE ON SITE	<input checked="" type="checkbox"/> 8. UST REMOVAL
DATE UST PERMANENTLY CLOSED:	430a	DATE EXISTING UST DISCOVERED:
	430b	

I. FACILITY INFORMATION

FACILITY ID # (Agency Use Only)	1
BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As)	3
POWELL SHELL #102 (CUPA)	
BUSINESS SITE ADDRESS	103
1800 1/2 POWELL STREET	104
CITY	104
EMERYVILLE	

II. TANK DESCRIPTION

TANK ID # 3	432	TANK MANUFACTURER	433	TANK CONFIGURATION: THIS TANK IS	434
		OWENS CORNING		<input checked="" type="checkbox"/> 1. A STAND-ALONE TANK	
				<input type="checkbox"/> 2. ONE IN A COMPARTMENTED UNIT .	
				Complete one page for each compartment in the unit.	
DATE UST SYSTEM INSTALLED	435	TANK CAPACITY IN GALLONS	436	NUMBER OF COMPARTMENTS IN THE UNIT	437
1/1/1980		10,000		1	

III. TANK USE AND CONTENTS

TANK USE	<input checked="" type="checkbox"/> 1a. MOTOR VEHICLE FUELING	<input type="checkbox"/> 1b. MARINA FUELING	<input type="checkbox"/> 1c. AVIATION FUELING	439	
	<input type="checkbox"/> 3. CHEMICAL PRODUCT STORAGE	<input type="checkbox"/> 4. HAZARDOUS WASTE (Includes Used Oil)	<input type="checkbox"/> 5. EMERGENCY GENERATOR FUEL [HSC §25281.5(c)]		
	<input type="checkbox"/> 6. OTHER GENERATOR FUEL	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER (Specify):	439a	
CONTENTS	PETROLEUM:	<input type="checkbox"/> 1a. REGULAR UNLEADED	<input type="checkbox"/> 1c. MIDGRADE UNLEADED	<input checked="" type="checkbox"/> 1b. PREMIUM UNLEADED	440
		<input type="checkbox"/> 3. DIESEL	<input type="checkbox"/> 5. JET FUEL	<input type="checkbox"/> 6. AVIATION GAS	
		<input type="checkbox"/> 8. PETROLEUM BLEND FUEL	<input type="checkbox"/> 9. OTHER PETROLEUM	(Specify):	440a
	NON-PETROLEUM:	<input type="checkbox"/> 7. USED OIL	<input type="checkbox"/> 10. ETHANOL		
		<input type="checkbox"/> 11. OTHER NON-PETROLEUM (Specify):		440b	

IV. TANK CONSTRUCTION

TYPE OF TANK	<input checked="" type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 95. UNKNOWN	443	
PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input checked="" type="checkbox"/> 3. FIBERGLASS	<input type="checkbox"/> 6. INTERNAL BLADDER	444	
	<input type="checkbox"/> 7. STEEL + INTERNAL LINING	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER (Specify):	444a	
SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 3. FIBERGLASS	<input type="checkbox"/> 6. EXTERIOR MEMBRANE LINER	<input type="checkbox"/> 7. JACKETED	445
	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER (Specify):		445a
OVERFILL PREVENTION	<input checked="" type="checkbox"/> 1. AUDIBLE & VISUAL ALARMS	<input type="checkbox"/> 2. BALL FLOAT	<input checked="" type="checkbox"/> 3. FILL TUBE SHUT-OFF VALVE	452	
	<input type="checkbox"/> 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT				

V. PRODUCT / WASTE PIPING CONSTRUCTION

PIPING CONSTRUCTION	<input checked="" type="checkbox"/> 1. SINGLE-WALLED	<input type="checkbox"/> 2. DOUBLE-WALLED	<input type="checkbox"/> 99. OTHER	460	
SYSTEM TYPE	<input checked="" type="checkbox"/> 1. PRESSURE	<input type="checkbox"/> 2. GRAVITY	<input type="checkbox"/> 3. CONVENTIONAL SUCTION	<input type="checkbox"/> 4. SAFE SUCTION [23 CCR §2636(a)(3)]	458
PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input checked="" type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 8. FLEXIBLE	<input type="checkbox"/> 10. RIGID PLASTIC	464
	<input type="checkbox"/> 90. NONE	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER(Specify):		464a
SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 8. FLEXIBLE	<input type="checkbox"/> 10. RIGID PLASTIC	464b
	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER (Specify):		464c
PIPING/TURBINE CONTAINMENT SUMP TYPE	<input checked="" type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 90. NONE	464d	

VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION

VENT PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input checked="" type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify)	464e
						464e1
VENT SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify)	464f
						464f1
VR PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input checked="" type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify)	464g
						464g1
VR SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify)	464h
						464h1
VENT PIPING TRANSITION SUMP TYPE	<input checked="" type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 90. NONE	464i		
RISER PRIMARY CONTAINMENT	<input checked="" type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify)	464j
						464j1
RISER SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input checked="" type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify)	464k
						464k1
FILL COMPONENTS INSTALLED	<input checked="" type="checkbox"/> 1. SPILL BUCKET	<input checked="" type="checkbox"/> 3. STRIKER PLATE/BOTTOM PROTECTOR	<input checked="" type="checkbox"/> 4. CONTAINMENT SUMP	451a-c		

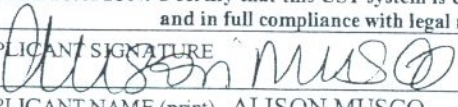
VII. UNDER DISPENSER CONTAINMENT (UDC)

CONSTRUCTION TYPE	<input checked="" type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 3. NO DISPENSERS	<input type="checkbox"/> 90. NONE	469a
CONSTRUCTION MATERIAL	<input type="checkbox"/> 1. STEEL	<input checked="" type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input type="checkbox"/> 99. OTHER (Specify)	469b-c

VIII. CORROSION PROTECTION

STEEL COMPONENT PROTECTION	<input type="checkbox"/> 2. SACRIFICIAL ANODE(S)	<input type="checkbox"/> 4. IMPRESSED CURRENT	<input checked="" type="checkbox"/> 6. ISOLATION	448
----------------------------	--	---	--	-----

IX. APPLICANT SIGNATURE

CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.		
APPLICANT SIGNATURE	DATE 4/28/2014	470
		
APPLICANT NAME (print) ALISON MUSCO	APPLICANT TITLE CONTRACTOR FOR OWNER	472
(CONTRACTOR) FOR OWNER		

**UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANK
OPERATING PERMIT APPLICATION – TANK INFORMATION** (One form per UST)

TYPE OF ACTION (Check one item only. For an UST permanent closure or removal, complete only this section and Sections I, II, III, IV, and IX below) 430

1. NEW PERMIT 3. RENEWAL PERMIT 5. CHANGE OF INFORMATION
 6. TEMPORARY UST CLOSURE 7. UST PERMANENT CLOSURE ON SITE 8. UST REMOVAL

DATE UST PERMANENTLY CLOSED: 430a DATE EXISTING UST DISCOVERED: 430b

I. FACILITY INFORMATION

FACILITY ID # (Agency Use Only) 1

BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As) 3
 POWELL SHELL #102 (CUPA)

BUSINESS SITE ADDRESS 103 CITY 104
 1800 1/2 POWELL STREET EMERYVILLE

II. TANK DESCRIPTION

TANK ID # 4 432 TANK MANUFACTURER 433 TANK CONFIGURATION: THIS TANK IS 434
 OWENS CORNING 1. A STAND-ALONE TANK
 2. ONE IN A COMPARTMENTED UNIT .
Complete one page for each compartment in the unit.

DATE UST SYSTEM INSTALLED 435 TANK CAPACITY IN GALLONS 436 NUMBER OF COMPARTMENTS IN THE UNIT 437
 1/1/1980 10,000 1

III. TANK USE AND CONTENTS

TANK USE 1a. MOTOR VEHICLE FUELING 1b. MARINA FUELING 1c. AVIATION FUELING 439
 3. CHEMICAL PRODUCT STORAGE 4. HAZARDOUS WASTE (Includes Used Oil) 5. EMERGENCY GENERATOR FUEL [HSC §25281.5(c)]
 6. OTHER GENERATOR FUEL 95. UNKNOWN 99. OTHER (Specify): 439a

CONTENTS PETROLEUM: 1a. REGULAR UNLEADED 1c. MIDGRADE UNLEADED 1b. PREMIUM UNLEADED 440
 3. DIESEL 5. JET FUEL 6. AVIATION GAS
 8. PETROLEUM BLEND FUEL 9. OTHER PETROLEUM (Specify): 440a

NON-PETROLEUM: 7. USED OIL 10. ETHANOL 440b
 11. OTHER NON-PETROLEUM (Specify):

IV. TANK CONSTRUCTION

TYPE OF TANK 1. SINGLE WALL 2. DOUBLE WALL 95. UNKNOWN 443

PRIMARY CONTAINMENT 1. STEEL 3. FIBERGLASS 6. INTERNAL BLADDER 444

7. STEEL + INTERNAL LINING 95. UNKNOWN 99. OTHER (Specify): 444a

SECONDARY CONTAINMENT 1. STEEL 3. FIBERGLASS 6. EXTERIOR MEMBRANE LINER 7. JACKETED 445

90. NONE 95. UNKNOWN 99. OTHER (Specify): 445a

OVERFILL PREVENTION 1. AUDIBLE & VISUAL ALARMS 2. BALL FLOAT 3. FILL TUBE SHUT-OFF VALVE 452
 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT

V. PRODUCT / WASTE PIPING CONSTRUCTION

PIPING CONSTRUCTION 1. SINGLE-WALLED 2. DOUBLE-WALLED 99. OTHER 460

SYSTEM TYPE 1. PRESSURE 2. GRAVITY 3. CONVENTIONAL SUCTION 4. SAFE SUCTION [23 CCR §2636(a)(3)] 458

PRIMARY CONTAINMENT 1. STEEL 4. FIBERGLASS 8. FLEXIBLE 10. RIGID PLASTIC 464
 90. NONE 95. UNKNOWN 99. OTHER(Specify):

SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 8. FLEXIBLE 10. RIGID PLASTIC 464b

90. NONE 95. UNKNOWN 99. OTHER (Specify): 464c

PIPING/TURBINE CONTAINMENT SUMP TYPE 1. SINGLE WALL 2. DOUBLE WALL 90. NONE 464d

VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION

VENT PRIMARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464e

VENT SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464f

VR PRIMARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464g

VR SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464h

VENT PIPING TRANSITION SUMP TYPE 1. SINGLE WALL 2. DOUBLE WALL 90. NONE 464i

RISER PRIMARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464j

RISER SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464k

FILL COMPONENTS INSTALLED 1. SPILL BUCKET 3. STRIKER PLATE/BOTTOM PROTECTOR 4. CONTAINMENT SUMP 451a-c

VII. UNDER DISPENSER CONTAINMENT (UDC)

CONSTRUCTION TYPE 1. SINGLE WALL 2. DOUBLE WALL 3. NO DISPENSERS 90. NONE 469a

CONSTRUCTION MATERIAL 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 99. OTHER (Specify) 469b-c

VIII. CORROSION PROTECTION

STEEL COMPONENT PROTECTION 2. SACRIFICIAL ANODE(S) 4. IMPRESSED CURRENT 6. ISOLATION 448

IX. APPLICANT SIGNATURE

CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.

APPLICANT SIGNATURE  DATE 4/28/2014 470

APPLICANT NAME (print) ALISON MUSCO 471 APPLICANT TITLE CONTRACTOR FOR OWNER 472
 (CONTRACTOR) FOR OWNER

Subject: UST REMOVAL PERMIT CONDITIONS

The following items are included in the Conditions of Approval:

This list is in addition to the items listed in the approved plans

1. A site safety plan shall be maintained on-site during all construction activities.
2. All stockpiled backfill/soil shall be placed on compatible plastic and covered to prevent runoff.
3. All stockpiled backfill/soil shall be properly sampled and disposal method/location approved by ACDEH prior to disposal.
4. All samples (soil and/or water) shall be analyzed based on Gasoline and Diesel Fuel minimum sample analysis found in Table 2 Verification Analysis for Underground Tank Leaks (see attached list)
5. All equipment previously in contact with petroleum shall be properly cleaned and/or disposed.
6. All equipment previously in contact with petroleum shall be placed on a plastic tarp and covered to prevent runoff.
7. Construction site shall limit access to authorized personnel (Contractor states 6 foot high fencing will be used).
8. Authorized personnel shall have appropriate training and certifications prior to beginning work
9. Water removed from the site (tank pit water and/or tank cleaning water) shall be contained in appropriate and compatible containers and shall be properly sampled / characterized and disposed of by a method/location approved by ACDEH prior to disposal.
10. All removal of UST components and sampling activities shall be witnessed by a representative of this office. Notify this inspector at least 48 hours prior to testing.
11. At no point shall the UST be moved and/or repositioned without prior authorization from ACDEH
12. Contractor will transport 4 single walled fiberglass tanks to Musco Excavators Construction Yard in Santa Rosa, CA (contractor is responsible for any requirements from Santa Rosa Fire Department and/or CUPA). According to contractor the four fiberglass tank will be crushed at that site and transported to appropriate landfill for disposal.
13. Submit all UST removal documents to ACDEH upon completion of work. i.e. Sampling results, disposal manifest/records, tank and piping disposal receipts, Title 22 Hazardous Waste Tank Closure Certification COC, closure report, etc.



Environmental Division
Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

ATTACHMENT B

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number CAL000350923	2. Page 1 of 1	3. Emergency Response Phone 510 270-3418	4. Manifest Tracking Number 010403863 JJK
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5. Generator's Name and Mailing Address AU ENERGY, LLC 41805 ALBRAE STREET FREMONT, CA 94538	Generator's Site Address (if different than mailing address) AU ENERGY - POWELL SHELL 1800 1/2 POWELL STREET EMERYVILLE, CA 94608
Generator's Phone: 510 270-3411 Attn: JOHN ELLIS	

6. Transporter 1 Company Name ADAMS SERVICES, INC.	U.S. EPA ID Number CARD00189431
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7. Transporter 2 Company Name	U.S. EPA ID Number
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8. Designated Facility Name and Site Address DEMENNO/KERDOON 2000 N. ALAMEDA STREET COMPTON, CA 90222	U.S. EPA ID Number CAT080013352
Facility's Phone: 310 537-7100	

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes			
		No.	Type						
1.	NON-PCRA HAZARDOUS WASTE LIQUID (WATER WITH TRACE HYDROCARBONS)	1	TT	500	G	241			
2.									
3.									
4.									

14. Special Handling Instructions and Additional Information AVOID EYE CONTACT & WEAR RUBBER GLOVES 1) WATER WITH HYDROCARBONS ERG 128 CONTRACTOR: MUSCO EXCAVATORS	
--	--

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offoror's Printed/Typed Name DAVID MUSCO	Signature <i>[Signature]</i>	Month 5	Day 19	Year 14
--	---------------------------------	-------------------	------------------	-------------------

16. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit:
Transporter signature (for exports only):		Date leaving U.S.:	

17. Transporter Acknowledgment of Receipt of Materials				
Transporter 1 Printed/Typed Name KAY Schott	Signature <i>[Signature]</i>	Month 5	Day 17	Year 14
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

18. Discrepancy					
18a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection
Manifest Reference Number:					

18b. Alternate Facility (or Generator)	U.S. EPA ID Number
Facility's Phone:	

18c. Signature of Alternate Facility (or Generator)	Month	Day	Year
---	-------	-----	------

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)			
1. 1034	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a				
Printed/Typed Name ...	Signature <i>[Signature]</i>	Month 5	Day 23	Year 14

GENERATOR
TRANSPORTER INT'L
TRANSPORTER
DESIGNATED FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number CAL000350923	2. Page 1 of 1	3. Emergency Response Phone 510 270-3418	4. Manifest Tracking Number 010403863 JJK
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5. Generator's Name and Mailing Address AU ENERGY, LLC 41805 ALDRAE STREET FREMONT, CA 94538	Generator's Site Address (if different than mailing address) AU ENERGY - POWELL SHELL 1800 1/2 POWELL STREET EMERYVILLE, CA 94608
Generator's Phone: 510 270-3411 Attn: JOHN ELLIS	

6. Transporter 1 Company Name ADAMS SERVICES, INC.	U.S. EPA ID Number CAR000189431
--	---

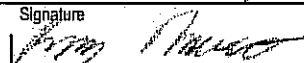
7. Transporter 2 Company Name	U.S. EPA ID Number
-------------------------------	--------------------

8. Designated Facility Name and Site Address DEMENNO/KERDCON 2000 N. ALAMEDA STREET COMPTON, CA 90222	U.S. EPA ID Number CAT080013352
Facility's Phone: 310 537-7100	

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
1.	NON-PCRA HAZARDOUS WASTE LIQUID (WATER WITH TRACE HYDROCARBONS)	1	TT	500	G	241	
2.							
3.							
4.							

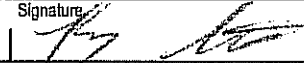
14. Special Handling Instructions and Additional Information
AVOID EYE CONTACT & WEAR RUBBER GLOVES **1) WATER WITH HYDROCARBONS**
ERG 128
CONTRACTOR: MUSCO EXCAVATORS

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name MIAM MUSCO	Signature 	Month Day Year 5 19 14
---	---	----------------------------------

16. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit: Date leaving U.S.:
-----------------------------	---	---	---

17. Transporter Acknowledgment of Receipt of Materials

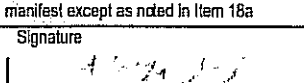
Transporter 1 Printed/Typed Name KAY SCHOTT	Signature 	Month Day Year 5 17 14
Transporter 2 Printed/Typed Name		Month Day Year

18. Discrepancy					
18a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection
Manifest Reference Number:					

18b. Alternate Facility (or Generator)	U.S. EPA ID Number
Facility's Phone:	

18c. Signature of Alternate Facility (or Generator)	Month Day Year
---	----------------

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)			
1. 1034	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a			
Printed/Typed Name A. G. ...	Signature 	Month Day Year 5 23 14	

GENERATOR

INTL

TRANSPORTER

DESIGNATED FACILITY



Environmental Division
Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

ATTACHMENT C

**UNIFIED PROGRAM CONSOLIDATED FORM
HAZARDOUS WASTE
HAZARDOUS WASTE TANK CLOSURE CERTIFICATION**

Page 1 of 1

I. FACILITY IDENTIFICATION

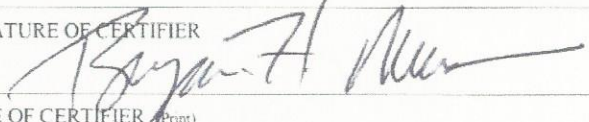
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) ³	FACILITY ID#					1.		
POWELL SHELL - 1800 1/2 POWELL ST., EMERALDVILLE								
TANK OWNER NAME						740.		
AU ENERGY, LLC								
TANK OWNER ADDRESS						741.		
41805 ALBRAE STREET								
TANK OWNER CITY	FREMONT	742	STATE	CA	743	ZIP CODE	94538	744

II. TANK CLOSURE INFORMATION

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)		Concentration of Flammable Vapor			Concentration of Oxygen		
			Top	Center	Bottom	Top	Center	Bottom
			746a	746b	746c	747a	747b	747c
1	1	745	0%	0%	0%	20.9	20.9	20.9
2	2	748	0%	0%	0%	20.9	20.9	20.9
3	3	751	0%	0%	0%	20.9	20.9	20.9

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER 	STATUS OR AFFILIATION OF CERTIFYING PERSON Certifier is a representative of the CUPA, authorized agency, or LIA: 760.
NAME OF CERTIFIER (Print) 754. BRYAN H. MUSCO	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
TITLE OF CERTIFIER 755. OWNER OF MUSCO EXCAVATORS, INC.	Name of CUPA, authorized agency, or LIA: 761.
ADDRESS 756. 2526 GREENVALE COURT	If certifier is other than CUPA / LIA check appropriate box below: 762.
CITY 757. SANTA ROSA	<input type="checkbox"/> a. Certified Industrial Hygienist (CIH)
PHONE 758. 707-579-0250	<input type="checkbox"/> b. Certified Safety Professional (CSP)
DATE ⁷⁵⁹ 5/20/14	<input type="checkbox"/> c. Certified Marine Chemist (CMC)
CERTIFICATION TIME 9:45 AM	<input type="checkbox"/> d. Registered Environmental Health Specialist (REHS)
	<input type="checkbox"/> e. Professional Engineer (PE)
	<input type="checkbox"/> f. Class II Registered Environmental Assessor
	<input checked="" type="checkbox"/> g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS 763.
(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.) Yes No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764.
The tanks being disposed of have been cleaned and declared non-hazardous. The tanks and lines were removed under the guidance of Alameda County Environmental Health and transported to a facility in Santa Rosa where they were crushed and will be disposed of at Potrero Hills Landfill in Suisun City, CA, the following day.

A copy of this certificate shall accompany the tank to the recycling disposal facility and be provided to the agency overseeing tank closure (i.e. CUPA or other authorized local agency); the owner and/or operator of the tank system; and the tank removal contractor.

**UNIFIED PROGRAM CONSOLIDATED FORM
HAZARDOUS WASTE
HAZARDOUS WASTE TANK CLOSURE CERTIFICATION**

I. FACILITY IDENTIFICATION

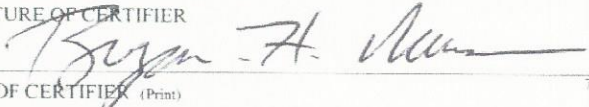
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)	3	FACILITY ID#	1.
POWELL SHELL - 1800 1/2 POWELL ST., EMERYVILLE			
TANK OWNER NAME			740
AU ENERGY, LLC			
TANK OWNER ADDRESS			741
41805 ALBRAE STREET			
TANK OWNER CITY	FREMONT	742	STATE CA 743
			ZIP CODE 94538 744

II. TANK CLOSURE INFORMATION

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)		Concentration of Flammable Vapor			Concentration of Oxygen		
			Top	Center	Bottom	Top	Center	Bottom
			746a	746b	746c	747a	747b	747c
1	4	745	0%	0%	0%	20.9	20.9	20.9
	2	748						
	3	751						

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER 	STATUS OR AFFILIATION OF CERTIFYING PERSON Certifier is a representative of the CUPA, authorized agency, or LIA: 760
NAME OF CERTIFIER (Print) 754 BRYAN H. MUSCO	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 761
TITLE OF CERTIFIER 755 OWNER OF MUSCO EXCAVATORS, INC.	Name of CUPA, authorized agency, or LIA: 761
ADDRESS 756 2526 GREENVALE COURT	If certifier is other than CUPA / LIA check appropriate box below: 762
CITY 757 SANTA ROSA	<input type="checkbox"/> a. Certified Industrial Hygienist (CIH)
PHONE 758 707-579-0250	<input type="checkbox"/> b. Certified Safety Professional (CSP)
DATE 759 5/20/14	<input type="checkbox"/> c. Certified Marine Chemist (CMC)
CERTIFICATION TIME 9:45 AM	<input type="checkbox"/> d. Registered Environmental Health Specialist (REHS)
	<input type="checkbox"/> e. Professional Engineer (PE)
	<input type="checkbox"/> f. Class II Registered Environmental Assessor
	<input checked="" type="checkbox"/> g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS 763

(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.) Yes No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764

The tanks being disposed of have been cleaned and declared non-hazardous. The tanks and lines were removed under the guidance of Alameda County Environmental Health and transported to a facility in Santa Rosa where they were crushed and will be disposed of at Potrero Hills Landfill in Suisun City, CA, the following day.

A copy of this certificate shall accompany the tank to the recycling disposal facility and be provided to the agency overseeing tank closure (i.e. CUPA or other authorized local agency); the owner and/or operator of the tank system; and the tank removal contractor.



Environmental Division
Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

ATTACHMENT D



POTRERO HILLS LANDFILL
A Waste Connections Company

SCALE TAG# 01-00467705

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

CUSTOMER/BILLING INFORMATION

Generator Name: AU ENERGY Billing Name: MUSCO EXCAVATORS, INC.
 Address: 41805 ALBRAE STREET Address: 2526 GREENVALE COURT
 City: FREMONT County: ALAMEDA City: SANTA ROSA County: SONOMA
 State: CA Zip: 94538 State: CA Zip: 95401
 Site Location (if different): 1800 1/2 POWELL STREET / EMERYVILLE, CA

Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
PHLF14237	CRUSHED FIBERGLASS TANK	TNS	8/20/2014	

*Attach Additional Sheet if necessary

I hereby certify that the above-described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Alison Musco Alison Musco 5/21/14
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: MUSCO EXCAVATORS INC License Plate# 9B89145
 Transporter Address: 2526 Greenvale Ct Truck Number: 78
Santa Rosa CA 95401 Phone Number: 7075790250

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Alison Musco Alison Musco 5/21/14
 Driver / Authorized Agent Name (Print First, Last Name) Signature Date Delivered

****DISPOSAL SITE INFORMATION****

Site Name: POTRERO HILLS LANDFILL, INC. Phone No. 707-432-4627
 Site Address: 3675 POTRERO HILLS LANE SUISUN, CA 94585 Truck Weight: _____

I hereby acknowledge receipt of the above-described materials.

ST ST 5.21.14
 Weigh Master Name (Print or Type) Signature Date Received

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Renee Fowler
Deposit: Sharnaine Jones
BILL TO: 1411
MUSCH EXCAVATORS

Vehicle ID:
Reference: PHLF14237
Grid: 14
HaulCust#: ORIGIN-EMERYVILLE
DriverOr?: N
Route: 708
TRLR/LP#: 9899146

Origin: EMERYVILLE
DATE IN: 05/21/2014 TIME IN: 09:08:22
DATE OUT: 05/21/2014 TIME OUT: 09:43:14

INBOUND TICKET Number: 01-00467705

SCALE 1 GROSS WT.	66800 LB
SCALE 3 TARE WT.	41460 LB
NET WEIGHT	25340 LB

Qty	Description	Amount
12.67	MSW/T(TRASH ON SCALE)	



Environmental Division
Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

ATTACHMENT E

BILL OF LADING/MANIFEST

1. Shipper's US EPA ID No. (If Applicable)

Document No.

2. Page 1 of 1

CAL 000350923

49762

3. Shipper's Name and Mailing Address

Au Energy - Powell Shell
1800 1/2 Powell St
Emeryville

CA 94608-1808

4. Shipper's Phone (916-632-4819

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

SAFETY-KLEEN SYSTEMS, INC.

TXR000001005

972-265-2000

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

EVG
SAFETY-KLEEN OF CALIFORNIA, INC.
6880 SMITH AVE.
NEWARK CA 94560

10. US EPA ID Number

CAD980887418

C. Facility's Phone

510-795-4400

11. Shipping Name and Description

12. Containers

13. Total Quantity

14. Unit Wt/Vol

HM

a. NON-REGULATED LIQUID (VAC-OIL, WATER, SLUDGE) (NOT US DOT/NOT USEPA REGULATED) (NOT CA REGULATED)

01 TT 35.27 G

15. Special Handling Instruction and Additional Information

SK SHIP# 213192524

AU34468

24 HR EMERGENCY #1-800-468-1760 (SAFETY-KLEEN)

SK AUTHORIZED TO RETAIN LICENSED SUBSEQUENT CARRIERS AS NECESSARY

DOT/PRFL A. 3299/150451 B. C. D.

A) NONE B) C) D)

16a. US DOT HAZARDOUS MATERIALS SHIPPER'S CERTIFICATION:

*This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Printed/Typed Name

Signature required here if US DOT regulated

Month Day Year

16b. NON-REGULATED SHIPPER'S CERTIFICATION: I certify the materials described above on this form are not subject to federal regulations for Transportation or Disposal.

Printed/Typed Name

Sign here if material is not DOT regulated

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of materials covered by this form except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

USE OR 16B

USE OR 16B

TRANSPORTER FACILITY

24 HR EMERGENCY # 800-468-1760 (SAFETY-KLEEN-CONTRACT #94138)

ORIGINAL-RETURN TO GENERATOR

FORM NO. 01-90291 (04/11)



Evergreen Oil, Inc. - Laboratory Sample Tag

76238

Fingerprint Analysis:

Incoming Wastewater for Wastewater Treatment / Management

83143

Manifest #: 49762	Line item #:	EnviroWare Document #:
Generator: AV ENERGY EMERYVILLE SHELL	Profile #:	
Transporter: SICS INC	CA Code: NON HAZ WATER	
Compartment #: ① 2 3 4 5	Estimated Volume / # of Drums:	
Date: 5/19/14	Received By (Tech Services Signature):	

3527

Analysis:	Results:	*Discrepant:
Odor	OK	
Color	OK	
pH, Accepted range between 2 to 12.5	9.5	< 2, > 12.5
API Gravity @ 60° F.	1.0	
PCBs, < 5 ppm <small>Tested only if > 10% oil</small>	Pass Fail n/t	> 5 ppm
Water, %	100	
Glycol, %	0	
Oil/Grease, %	0	> 1% if Non-Haz
Solids, %	0	
Flash Point, > 140° F.	Pass Fail	< 140° F.
Total Organic Halides, % or ppm	PCNHIOY	
Metals, ppm		
Phenols, ppm		
Total Toxic Organics, ppm		

*Please call Technical Services Dept. immediately for resolution

Waste Management Process:

Bulk Operations:

- Tank 502
- Tank 651B
- NH101 / NH102 Re
- TA-1218 / TA-1219

Drum Pad Operations:

- Trans-shipment to off site disposal facility
- Consolidate into tanker truck
- Other

Accepted By:

FLOC PASS

Comments:

BILL OF LADING/MANIFEST		1. Shipper's US EPA ID No. (If Applicable) CAL000350923	Document No. 01995	2. Page 1 of 1
3. Shipper's Name and Mailing Address Au Energy - Powell Shell 1800 1/2 Powell St Emeryville CA 94608-1808				
4. Shipper's Phone (916-632-4819				
5. Transporter 1 Company Name SAFETY-KLEEN SYSTEMS, INC.		6. US EPA ID Number TXR000001205	A. Transporter's Phone 972-205-2000	
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone	
9. Designated Facility Name and Site Address EVG SAFETY-KLEEN OF CALIFORNIA, INC. 6880 SMITH AVE. NEWARK CA 94560		10. US EPA ID Number CAD980887418	C. Facility's Phone 510-795-4400	
11. Shipping Name and Description			12. Containers	13. Total Quantity
a. HM NON-REGULATED LIQUID (VAC-OIL, WATER, SLUDGE) (NOT USDOT/NOT USEPA REGULATED) (NOT CA REGULATED)			No. Type	14. Unit Wt/Vol
			01 TT	5390 G
b.				
c.				
d.				
15. Special Handling Instruction and Additional Information SK SHIP# 213192523 AU34468 24 HR EMERGENCY #1-800-468-1760 (SAFETY-KLEEN) SK AUTHORIZED TO RETAIN LICENSED SUBSEQUENT CARRIERS AS NECESSARY DOT/PRFL A. 3299/150451 B. C. D. A) NONE B) C) D)				
16a. US DOT HAZARDOUS MATERIALS SHIPPER'S CERTIFICATION: <small>*This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.</small>				
Printed/Typed Name		Signature required here if US DOT regulated		Month Day Year
16b. NON-REGULATED SHIPPER'S CERTIFICATION: I certify the materials described above on this form are not subject to federal regulations for Transportation or Disposal.				
Printed/Typed Name Chaeq Taylor		Sign here if material is not DOT regulated		Month Day Year 5 19 2014
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name Joseph Rosa		Signature Joseph Rosa		Month Day Year 5 19 14
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of materials covered by this form except as noted in Item 19.				
Printed/Typed Name Percy Sanchez		Signature Percy Sanchez		Month Day Year 5 19 14

24 HR EMERGENCY # 800-468-1760
(SAFETY-KLEEN-CONTRACT #94138)

ORIGINAL-RETURN TO GENERATOR

FORM NO. 01-90291 (04/11)

SHIPPER

USE OR 16B

USE OR 16B

TRANSPORTER

FACILITY



Evergreen Oil, Inc. - Laboratory Sample Tag

76238

Fingerprint Analysis:

Incoming Wastewater for Wastewater Treatment / Management

83143

Manifest #: 93587	Line item #:	EnviroWare Document #:
Generator: AD ENERGY EMERYVILLE SHELL		Profile #:
Transporter: SILS INC		CA Code: NON HAZ WATER
Compartment #: 1 2 3 4 5		Estimated Volume / # of Drums:
Date: 5/19/14		Received By (Tech Services Signature):

5390

Analysis:	Results:	*Discrepant:
Odor	OK	
Color	Brown	
pH, Accepted range between 2 to 12.5	7-9	< 2, > 12.5
API Gravity @ 60° F.	5.7	
PCBs, < 5 ppm Tested only if > 10% oil	Pass Fail n/t	> 5 ppm
Water, %	79%	
Glycol, %		
Oil/Grease, %		> 1% if Non-Haz
Solids, %		
Flash Point, > 140° F.	Pass Fail	< 140° F.
Total Organic Halides, % or ppm	< 50 ppm	
Metals, ppm		
Phenols, ppm		
Total Toxic Organics, ppm		

*Please call Technical Services Dept. immediately for resolution

Waste Management Process:

Bulk Operations:

- Tank 502
- Tank 651B
- NH101 / NH102
- TA-1218 / TA-1219

POW
ALP

Drum Pad Operations:

- Trans-shipment to off site disposal facility
- Consolidate into tanker truck
- Other

Accepted By:

Comments:

BILL OF LADING/MANIFEST

1. Shipper's US EPA ID No. (If Applicable)

Document No.

2. Page 1 of 1

CA 000350923

60082

3. Shipper's Name and Mailing Address
 Au Energy - Powell Shell
 1800 1/2 Powell St
 Emeryville CA 94608-1808

4. Shipper's Phone (916-632-4819

5. Transporter 1 Company Name

6.

US EPA ID Number

A. Transporter's Phone

SAFETY-KLEEN SYSTEMS, INC.

TXR000081205

972-265-2000

7. Transporter 2 Company Name

8.

US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

EV6

10.

US EPA ID Number

C. Facility's Phone

SAFETY-KLEEN OF CALIFORNIA, INC.
 6880 SMITH AVE.
 NEWARK CA 94560

CAD980887418

510-795-4400

11. Shipping Name and Description

12. Containers

13. Total Quantity

14. Unit Wt/Vol

HM

No.

Type

a. NON-REGULATED LIQUID (VAC-OIL, WATER, SLUDGE) (NOT USDOT/NOT USEPA REGULATED) (NOT CA REGULATED)

001

TT

0.0535

G

15. Special Handling Instruction and Additional Information

SK SHIP# 213609131

AU34468

24 HR EMERGENCY #1-800-468-1760 (SAFETY-KLEEN)
 SK AUTHORIZED TO RETAIN LICENSED SUBSEQUENT CARRIERS AS NECESSARY

DOT/PRFL A. 3299/150451 B. C. D.

A) NONE B) C) D)

16a. US DOT HAZARDOUS MATERIALS SHIPPER'S CERTIFICATION:

*This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Printed/Typed Name

Signature required here if US DOT regulated

Month Day Year

16b. NON-REGULATED SHIPPER'S CERTIFICATION: I certify the materials described above on this form are not subject to federal regulations for Transportation or Disposal.

Printed/Typed Name

Sign here if material is not DOT regulated

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of materials covered by this form except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

PERCY SANCHEZ

Percy Sanchez

1719 11 4

24 HR EMERGENCY # 800-468-1760 (SAFETY-KLEEN-CONTRACT #94138)

ORIGINAL-RETURN TO GENERATOR

FORM NO. 01-90291 (04/11)



Safety-Kleen Systems, Inc.

A Clean Harbors Company
6880 Smith Avenue - Newark, CA 94560
Telephone (510) 795-4400

MARLON

E105242

DATE _____

CUSTOMER'S NAME 83168

ADDRESS _____

COMMODITY _____

CARRIER _____

REMARKS

07/09/14
05:12 PM
71500 LB

07/10/14
12:14 PM
35220 LB

LBS. GROSS _____

LBS. TARE—DRIVER ON _____ OFF _____

LBS. NET @ _____ PER LB. PRICE _____

SHIPPER _____

WEIGHER _____



Evergreen Oil, Inc. - Laboratory Sample Tag

72581

61649
11842, 60682

Fingerprint Analysis:

Incoming Wastewater for Wastewater Treatment / Management

Manifest #:	Line item #:	EnviroWare Document #:
Generator: <u>OCAGE / AU / UNR</u>	Profile #:	
Transporter: <u>Marlon S</u>	CA Code: <u>IVH</u>	
Compartment #: <u>(1) 2 3 4 5</u>	Estimated Volume of Drums: <u>1400 GAL</u>	
Date: <u>7/9</u> - <u>83168</u>	Received By (Tech Services Signature):	

Analysis:	Results:	*Discrepancy:
Odor	<u>ow</u>	
Color	<u>openy-</u>	
pH, <small>Accepted range between 2 to 12.5</small>	<u>8.0</u>	< 2, > 12.5
API Gravity @ 60° F.	<u>&</u>	
PCBs, <small>< 5 ppm - tested only if > 10% oil</small>	Pass Fail <u>(n/t)</u>	> 5 ppm
Water, %	<u>50%</u>	
Glycol, %	<u>&</u>	
Oil/Grease, %	<u>41</u>	> 1% if Non-Haz
Solids, %	<u>50%</u>	
Flash Point, > 140° F.	<u>(Pass)</u> Fail	< 140° F.
Total Organic Halides, % or ppm	<u>IP</u>	
Metals, ppm <small>At the discretion of Laboratory Mgr.</small>		
Phenols, ppm <small>At the discretion of Laboratory Mgr.</small>		
Total Toxic Organics, ppm <small>At the discretion of Laboratory Mgr.</small>		

*Please call Technical Services Dept. immediately for resolution

Waste Management Process:

Bulk Operations:

- Tank 502
- Tank 651B
- NH101 / NH102
- TA-1218 / TA-1219

Drum Pad Operations:

- Trans-shipment to off site disposal facility
- Consolidate into tanker truck
- Other

Accepted By:

Comments:

502 FER AF



Environmental Division
Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

ATTACHMENT F

Sunny Goyal
Au Energy
4185 Albrae Street
Fremont, CA 94538

Client	Au Energy
Workorder	20931 1800 Powell CUPA - Sampling
Received	05/20/14

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.



Ray James
Laboratory Director

Sunny Goyal
Au Energy
4185 Albrae Street
Fremont, CA 94538

Workorder 20931

Enclosed are the results from samples received on May 20, 2014.

The requested analyses are listed below.

SAMPLE	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
20931001	TANK-4E, Soil	05/20/14	8015B TEPH S 8015B TPHgas S 8260B BTEX/FOC S
20931002	TANK-1E, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S
20931003	TANK-2E, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S
20931004	TANK-3E, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S
20931005	TANK-4W, Soil	05/20/14	8015B TEPH S 8015B TPHgas S 8260B BTEX/FOC S
20931006	TANK-3W, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S
20931007	TANK-2W, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S
20931008	TANK-1W, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S
20931009	UDC #5, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S

Workorder 20931

SAMPLE	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
20931010	PT-1, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S
20931011	UDC #4, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S
20931012	UDC #1, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S
20931013	UDC #2, Soil	05/20/14	8015B TEPH S 8015B TPHgas S 8260B BTEX/FOC S
20931014	PT-2, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S
20931015	UDC #3, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S
20931016	UDC #12, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S
20931017	UDC #10_#11, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S
20931018	UDC #8_#9, Soil	05/20/14	8015B TEPH S 8015B TPHgas S 8260B BTEX/FOC S
20931019	UDC #6_#7, Soil	05/20/14	8015B TPHgas S Org Pb LUFT S 8260B BTEX/FOC S 6010B S
20931020	PT-3, Soil	05/20/14	8015B TEPH S 8015B TPHgas S 8260B BTEX/FOC S

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931001
Sample ID TANK-4E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

**8015B TEPH
Parameter**

TPHdiesel¹

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TEPH S	05/21/14	05/21/14	3800	10 mg/Kg	1:10

¹ - TPHmotor oil present in Diesel Range.

Laboratory ID 20931001
Sample ID TANK-4E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

**8015B TPH Gas
Parameter**

TPHgas

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas S	05/21/14	05/21/14	ND	0.50 mg/Kg	1:1

Surrogates

Trifluorotoluene

Result	Recovery	Limits
16 ug/kg	80 %	(65 - 135)

Laboratory ID 20931001
Sample ID TANK-4E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

**8260B BTEX/Oxygenates
Parameter**

Tertiary butanol
Methyl-tert-butyl-ether
Di-isopropyl ether
Ethyl tert butyl ether
Tert amyl methyl ether
1,2-Dichloroethane
1,2-Dibromoethane
Benzene
Toluene
Ethylbenzene
Xylene, Total
Naphthalene
Ethanol

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	0.50 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	2.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1

Surrogates

1,2-Dichloroethane-d4

Result	Recovery	Limits
51 ug/kg	102 %	(65 - 135)

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931002
Sample ID TANK-1E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TPH Gas
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas S	05/21/14	05/21/14	1.4	0.50 mg/Kg	1:1

Surrogates

Result	Recovery	Limits
Trifluorotoluene 17.1 ug/kg	86 %	(65 - 135)

1 - TPHgas was weathered.

Laboratory ID 20931002
Sample ID TANK-1E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

LUFT, Organic Lead
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Org Pb LUFT S	05/21/14	05/21/14	ND	2.0 mg/Kg	1:1

Laboratory ID 20931002
Sample ID TANK-1E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol 8260B BTEX/FOC	05/21/14	05/21/14	ND	1000 ug/kg	1:100
Methyl-tert-butyl-ether 8260B BTEX/FOC	05/21/14	05/21/14	330	50 ug/kg	1:100
Di-isopropyl ether 8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
Ethyl tert butyl ether 8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
Tert amyl methyl ether 8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
1,2-Dichloroethane 8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
1,2-Dibromoethane 8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
Benzene 8260B BTEX/FOC	05/21/14	05/21/14	180	100 ug/kg	1:100
Toluene 8260B BTEX/FOC	05/21/14	05/21/14	340	100 ug/kg	1:100
Ethylbenzene 8260B BTEX/FOC	05/21/14	05/21/14	370	100 ug/kg	1:100
Xylene, Total 8260B BTEX/FOC	05/21/14	05/21/14	2000	100 ug/kg	1:100
Naphthalene 8260B BTEX/FOC	05/21/14	05/21/14	730	200 ug/kg	1:100
Ethanol 8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100

Surrogates

Result	Recovery	Limits
1,2-Dichloroethane-d4 50 ug/kg	100 %	(65 - 135)

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931002
Sample ID TANK-1E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

6010B METALS
Parameter

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B S	05/21/14	05/22/14	902	1.0 mg/Kg	1:1

Laboratory ID 20931003
Sample ID TANK-2E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TPH Gas
Parameter

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas ¹	8015B TPHgas S	05/21/14	05/21/14	1.1	0.50 mg/Kg	1:1

Surrogates

Surrogate	Result	Recovery	Limits
Trifluorotoluene	23.3 ug/kg	116 %	(65 - 135)

¹ - TPHgas was weathered.

Laboratory ID 20931003
Sample ID TANK-2E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

LUFT, Organic Lead
Parameter

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Organic Lead	Org Pb LUFT S	05/21/14	05/21/14	ND	2.0 mg/Kg	1:1

Laboratory ID 20931003
Sample ID TANK-2E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates
Parameter

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	1000 ug/kg	1:100
Methyl-tert-butyl-ether	8260B BTEX/FOC	05/21/14	05/21/14	1700	50 ug/kg	1:100
Di-isopropyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
Ethyl tert butyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
Tert amyl methyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
1,2-Dichloroethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
1,2-Dibromoethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
Benzene	8260B BTEX/FOC	05/21/14	05/21/14	1700	100 ug/kg	1:100
Toluene	8260B BTEX/FOC	05/21/14	05/21/14	480	100 ug/kg	1:100
Ethylbenzene	8260B BTEX/FOC	05/21/14	05/21/14	440	100 ug/kg	1:100

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931003
Sample ID TANK-2E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Xylene, Total	8260B BTEX/FOC	05/21/14	05/21/14	1600	100 ug/kg	1:100
Naphthalene	8260B BTEX/FOC	05/21/14	05/21/14	430	200 ug/kg	1:100
Ethanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100

Surrogates
1,2-Dichloroethane-d4 Result 50 ug/kg Recovery 100 % Limits (65 - 135)

Laboratory ID 20931003
Sample ID TANK-2E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

6010B METALS

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B S	05/21/14	05/22/14	40.8	1.0 mg/Kg	1:1

Laboratory ID 20931004
Sample ID TANK-3E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas S	05/21/14	05/21/14	ND	0.50 mg/Kg	1:1

Surrogates
Trifluorotoluene Result 13.6 ug/kg Recovery 68 % Limits (65 - 135)

Laboratory ID 20931004
Sample ID TANK-3E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

LUFT, Organic Lead

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Organic Lead	Org Pb LUFT S	05/21/14	05/21/14	ND	2.0 mg/Kg	1:1

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931004
Sample ID TANK-3E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates
Parameter

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dichloroethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dibromoethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Naphthalene	8260B BTEX/FOC	05/21/14	05/21/14	ND	2.0 ug/kg	1:1
Ethanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1

Surrogates

1,2-Dichloroethane-d4 Result 48 ug/kg Recovery 96 % Limits (65 - 135)

Laboratory ID 20931004
Sample ID TANK-3E
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

6010B METALS
Parameter

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B S	05/21/14	05/22/14	181	1.0 mg/Kg	1:1

Laboratory ID 20931005
Sample ID TANK-4W
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TEPH
Parameter

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHdiesel ¹	8015B TEPH S	05/21/14	05/21/14	1700	10 mg/Kg	1:10

¹ - TPHmotor oil present in Diesel Range.

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931005
Sample ID TANK-4W
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TPH Gas
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas 8015B TPHgas S	05/21/14	05/21/14	ND	0.50 mg/Kg	1:1

Surrogates

Result	Recovery	Limits
Trifluorotoluene 16.9 ug/kg	84 %	(65 - 135)

Laboratory ID 20931005
Sample ID TANK-4W
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol 8260B BTEX/FOC	05/21/14	05/21/14	ND	10 ug/kg	1:1
Methyl-tert-butyl-ether 8260B BTEX/FOC	05/21/14	05/21/14	ND	0.50 ug/kg	1:1
Di-isopropyl ether 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethyl tert butyl ether 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Tert amyl methyl ether 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dichloroethane 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dibromoethane 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Benzene 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Toluene 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethylbenzene 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Xylene, Total 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Naphthalene 8260B BTEX/FOC	05/21/14	05/21/14	ND	2.0 ug/kg	1:1
Ethanol 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1

Surrogates

Result	Recovery	Limits
1,2-Dichloroethane-d4 49 ug/kg	98 %	(65 - 135)

Laboratory ID 20931006
Sample ID TANK-3W
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TPH Gas
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas 8015B TPHgas S	05/21/14	05/21/14	ND	0.50 mg/Kg	1:1

Surrogates

Result	Recovery	Limits
Trifluorotoluene 15.9 ug/kg	80 %	(65 - 135)

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931007
Sample ID TANK-2W
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TPH Gas
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas S	05/21/14	05/21/14	0.60	0.50 mg/Kg	1:1

Surrogates

Result	Recovery	Limits
Trifluorotoluene 14 ug/kg	70 %	(65 - 135)

1 - TPHgas was weathered.

Laboratory ID 20931007
Sample ID TANK-2W
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

LUFT, Organic Lead
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Org Pb LUFT S	05/21/14	05/21/14	ND	2.0 mg/Kg	1:1

Laboratory ID 20931007
Sample ID TANK-2W
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	0.50 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	2.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1

Surrogates

Result	Recovery	Limits
1,2-Dichloroethane-d4 49 ug/kg	98 %	(65 - 135)

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931007
Sample ID TANK-2W
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

6010B METALS
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead 6010B S	05/21/14	05/22/14	21.0	1.0 mg/Kg	1:1

Laboratory ID 20931008
Sample ID TANK-1W
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TPH Gas
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas 8015B TPHgas S	05/21/14	05/21/14	ND	0.50 mg/Kg	1:1

Surrogates

Surrogate	Result	Recovery	Limits
Trifluorotoluene	13.8 ug/kg	69 %	(65 - 135)

Laboratory ID 20931008
Sample ID TANK-1W
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

LUFT, Organic Lead
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Organic Lead Org Pb LUFT S	05/21/14	05/21/14	ND	2.0 mg/Kg	1:1

Laboratory ID 20931008
Sample ID TANK-1W
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol 8260B BTEX/FOC	05/21/14	05/21/14	ND	10 ug/kg	1:1
Methyl-tert-butyl-ether 8260B BTEX/FOC	05/21/14	05/21/14	ND	0.50 ug/kg	1:1
Di-isopropyl ether 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethyl tert butyl ether 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Tert amyl methyl ether 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dichloroethane 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dibromoethane 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Benzene 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Toluene 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethylbenzene 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Xylene, Total 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Naphthalene 8260B BTEX/FOC	05/21/14	05/21/14	ND	2.0 ug/kg	1:1
Ethanol 8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931
Laboratory ID 20931008
Sample ID TANK-1W
Matrix Soil

Workorder ID 1800 Powell CUPA - Sampling
Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates - 8260B BTEX/FOC S (continued)

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	50 ug/kg	100 %	(65 - 135)

Laboratory ID	20931008	Sampled	05/20/14
Sample ID	TANK-1W	Received	05/20/14
Matrix	Soil	Reported	05/21/14

6010B METALS

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B S	05/21/14	05/22/14	31.3	1.0 mg/Kg	1:1

Laboratory ID	20931009	Sampled	05/20/14
Sample ID	UDC #5	Received	05/20/14
Matrix	Soil	Reported	05/21/14

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas S	05/21/14	05/21/14	ND	0.50 mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	15.3 ug/kg	76 %	(65 - 135)

Laboratory ID	20931009	Sampled	05/20/14
Sample ID	UDC #5	Received	05/20/14
Matrix	Soil	Reported	05/21/14

LUFT, Organic Lead

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Organic Lead	Org Pb LUFT S	05/21/14	05/21/14	ND	2.0 mg/Kg	1:1

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931009
Sample ID UDC #5
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dichloroethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dibromoethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Naphthalene	8260B BTEX/FOC	05/21/14	05/21/14	ND	2.0 ug/kg	1:1
Ethanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1

Surrogates

1,2-Dichloroethane-d4 Result 49 ug/kg Recovery 98 % Limits (65 - 135)

Laboratory ID 20931009
Sample ID UDC #5
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

6010B METALS

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B S	05/21/14	05/22/14	24.4	1.0 mg/Kg	1:1

Laboratory ID 20931010
Sample ID PT-1
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas S	05/21/14	05/21/14	ND	0.50 mg/Kg	1:1

Surrogates

Trifluorotoluene Result 13.3 ug/kg Recovery 66 % Limits (65 - 135)

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931011
Sample ID UDC #4
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TPH Gas
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas S	05/21/14	05/21/14	ND	0.50 mg/Kg	1:1

Surrogates

Trifluorotoluene Result 13.7 ug/kg Recovery 68 % Limits (65 - 135)

Laboratory ID 20931011
Sample ID UDC #4
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

LUFT, Organic Lead
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Org Pb LUFT S	05/21/14	05/21/14	ND	2.0 mg/Kg	1:1

Laboratory ID 20931011
Sample ID UDC #4
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	0.50 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	2.0 ug/kg	1:1
8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1

Surrogates

1,2-Dichloroethane-d4 Result 48 ug/kg Recovery 96 % Limits (65 - 135)

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931011
Sample ID UDC #4
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

6010B METALS

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B S	05/21/14	05/22/14	90.8	1.0 mg/Kg	1:1

Laboratory ID 20931012
Sample ID UDC #1
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas S	05/21/14	05/21/14	ND	0.50 mg/Kg	1:1

Surrogates

Surrogate	Result	Recovery	Limits
Trifluorotoluene	14.8 ug/kg	74 %	(65 - 135)

Laboratory ID 20931012
Sample ID UDC #1
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

LUFT, Organic Lead

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Organic Lead	Org Pb LUFT S	05/21/14	05/21/14	ND	2.0 mg/Kg	1:1

Laboratory ID 20931012
Sample ID UDC #1
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	10 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dichloroethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dibromoethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Naphthalene	8260B BTEX/FOC	05/21/14	05/21/14	ND	2.0 ug/kg	1:1
Ethanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931
Laboratory ID 20931012
Sample ID UDC #1
Matrix Soil

Workorder ID 1800 Powell CUPA - Sampling
Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates - 8260B BTEX/FOC S (continued)

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	49 ug/kg	98 %	(65 - 135)

Laboratory ID	20931012	Sampled	05/20/14
Sample ID	UDC #1	Received	05/20/14
Matrix	Soil	Reported	05/21/14

6010B METALS

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B S	05/21/14	05/22/14	144	1.0 mg/Kg	1:1

Laboratory ID	20931013	Sampled	05/20/14
Sample ID	UDC #2	Received	05/20/14
Matrix	Soil	Reported	05/21/14

8015B TEPH

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHdiesel ¹	8015B TEPH S	05/21/14	05/21/14	600	10 mg/Kg	1:10

1 - TPHmotor oil present in Diesel Range.

Laboratory ID	20931013	Sampled	05/20/14
Sample ID	UDC #2	Received	05/20/14
Matrix	Soil	Reported	05/21/14

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas S	05/21/14	05/21/14	ND	0.50 mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	13.7 ug/kg	68 %	(65 - 135)

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931013
Sample ID UDC #2
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dichloroethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dibromoethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Naphthalene	8260B BTEX/FOC	05/21/14	05/21/14	ND	2.0 ug/kg	1:1
Ethanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1

Surrogates

1,2-Dichloroethane-d4 Result 48 ug/kg Recovery 96 % Limits (65 - 135)

Laboratory ID 20931014
Sample ID PT-2
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas S	05/21/14	05/21/14	ND	0.50 mg/Kg	1:1

Surrogates

Trifluorotoluene Result 14.1 ug/kg Recovery 70 % Limits (65 - 135)

Laboratory ID 20931014
Sample ID PT-2
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

LUFT, Organic Lead

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Organic Lead	Org Pb LUFT S	05/21/14	05/21/14	ND	2.0 mg/Kg	1:1

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931014
Sample ID PT-2
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dichloroethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dibromoethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Naphthalene	8260B BTEX/FOC	05/21/14	05/21/14	ND	2.0 ug/kg	1:1
Ethanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1

Surrogates

1,2-Dichloroethane-d4 Result 48 ug/kg Recovery 96 % Limits (65 - 135)

Laboratory ID 20931014
Sample ID PT-2
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

6010B METALS

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B S	05/21/14	05/22/14	33.1	1.0 mg/Kg	1:1

Laboratory ID 20931015
Sample ID UDC #3
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas S	05/21/14	05/21/14	ND	0.50 mg/Kg	1:1

Surrogates

Trifluorotoluene Result 13.3 ug/kg Recovery 66 % Limits (65 - 135)

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931015
Sample ID UDC #3
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

LUFT, Organic Lead

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Organic Lead	Org Pb LUFT S	05/21/14	05/21/14	ND	2.0 mg/Kg	1:1

Laboratory ID 20931015
Sample ID UDC #3
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dichloroethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dibromoethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC	05/21/14	05/21/14	1.8	1.0 ug/kg	1:1
Naphthalene	8260B BTEX/FOC	05/21/14	05/21/14	ND	2.0 ug/kg	1:1
Ethanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/kg	1:1

Surrogates

Surrogate	Result	Recovery	Limits
1,2-Dichloroethane-d4	48 ug/kg	96 %	(65 - 135)

Laboratory ID 20931015
Sample ID UDC #3
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

6010B METALS

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B S	05/21/14	05/22/14	107	1.0 mg/Kg	1:1

Test Certificate of Analysis

Client ID	Au Energy							
Workorder #	20931						Workorder ID 1800 Powell CUPA - Sampling	
Laboratory ID	20931016				Sampled	05/20/14		
Sample ID	UDC #12				Received	05/20/14		
Matrix	Soil				Reported	05/21/14		
6010B METALS		Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Parameter								
Lead		6010B S	05/21/14	05/22/14	55.4	1.0 mg/Kg	1:1	
Laboratory ID	20931017				Sampled	05/20/14		
Sample ID	UDC #10_#11				Received	05/20/14		
Matrix	Soil				Reported	05/21/14		
8015B TPH Gas		Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Parameter								
TPHgas¹		8015B TPHgas S	05/21/14	05/21/14	1100	50 mg/Kg	1:100	
Surrogates		Result	Recovery	Limits				
Trifluorotoluene		15.7 ug/kg	78 %	(65 - 135)				
<hr/>								
1 - TPHgas was weathered.								
Laboratory ID	20931017				Sampled	05/20/14		
Sample ID	UDC #10_#11				Received	05/20/14		
Matrix	Soil				Reported	05/21/14		
LUFT, Organic Lead		Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Parameter								
Organic Lead		Org Pb LUFT S	05/21/14	05/21/14	ND	2.0 mg/Kg	1:1	
Laboratory ID	20931017				Sampled	05/20/14		
Sample ID	UDC #10_#11				Received	05/20/14		
Matrix	Soil				Reported	05/21/14		
8260B BTEX/Oxygenates		Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Parameter								
Tertiary butanol		8260B BTEX/FOC	05/21/14	05/21/14	ND	1000 ug/kg	1:100	
Methyl-tert-butyl-ether		8260B BTEX/FOC	05/21/14	05/21/14	ND	50 ug/kg	1:100	
Di-isopropyl ether		8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100	
Ethyl tert butyl ether		8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100	
Tert amyl methyl ether		8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100	
1,2-Dichloroethane		8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100	
1,2-Dibromoethane		8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100	
Benzene		8260B BTEX/FOC	05/21/14	05/21/14	2100	100 ug/kg	1:100	
Toluene		8260B BTEX/FOC	05/21/14	05/21/14	8400	100 ug/kg	1:100	
Ethylbenzene		8260B BTEX/FOC	05/21/14	05/21/14	13000	100 ug/kg	1:100	

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931017
Sample ID UDC #10_#11
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Xylene, Total	8260B BTEX/FOC	05/21/14	05/21/14	72000	100 ug/kg	1:100
Naphthalene	8260B BTEX/FOC	05/21/14	05/21/14	6200	200 ug/kg	1:100
Ethanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100

Surrogates
1,2-Dichloroethane-d4 Result 49 ug/kg Recovery 98 % Limits (65 - 135)

Laboratory ID 20931017
Sample ID UDC #10_#11
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

6010B METALS

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B S	05/21/14	05/22/14	559	1.0 mg/Kg	1:1

Laboratory ID 20931018
Sample ID UDC #8_#9
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TEPH

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHdiesel	8015B TEPH S	05/21/14	05/21/14	1000	10 mg/Kg	1:10

Laboratory ID 20931018
Sample ID UDC #8_#9
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas ¹	8015B TPHgas S	05/21/14	05/21/14	360	50 mg/Kg	1:100

Surrogates
Trifluorotoluene Result 21.3 ug/kg Recovery 106 % Limits (65 - 135)

1 - TPHgas was weathered.

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931018
Sample ID UDC #8_#9
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	1000 ug/kg	1:100
Methyl-tert-butyl-ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	50 ug/kg	1:100
Di-isopropyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
Ethyl tert butyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
Tert amyl methyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
1,2-Dichloroethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
1,2-Dibromoethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
Benzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
Toluene	8260B BTEX/FOC	05/21/14	05/21/14	120	100 ug/kg	1:100
Ethylbenzene	8260B BTEX/FOC	05/21/14	05/21/14	370	100 ug/kg	1:100
Xylene, Total	8260B BTEX/FOC	05/21/14	05/21/14	5000	100 ug/kg	1:100
Naphthalene	8260B BTEX/FOC	05/21/14	05/21/14	2300	200 ug/kg	1:100
Ethanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100

Surrogates

1,2-Dichloroethane-d4 Result 51 ug/kg Recovery 102 % Limits (65 - 135)

Laboratory ID 20931019
Sample ID UDC #6_#7
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas¹	8015B TPHgas S	05/21/14	05/21/14	980	50 mg/Kg	1:100

Surrogates

Trifluorotoluene Result 16 ug/kg Recovery 80 % Limits (65 - 135)

1 - TPHgas was weathered.

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20931

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20931019
Sample ID UDC #6_#7
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

LUFT, Organic Lead
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Org Pb LUFT S	05/21/14	05/21/14	ND	2.0 mg/Kg	1:1

Laboratory ID 20931019
Sample ID UDC #6_#7
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8260B BTEX/FOC	05/21/14	05/21/14	ND	1000 ug/kg	1:100
8260B BTEX/FOC	05/21/14	05/21/14	ND	50 ug/kg	1:100
8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
8260B BTEX/FOC	05/21/14	05/21/14	920	100 ug/kg	1:100
8260B BTEX/FOC	05/21/14	05/21/14	210	100 ug/kg	1:100
8260B BTEX/FOC	05/21/14	05/21/14	1100	100 ug/kg	1:100
8260B BTEX/FOC	05/21/14	05/21/14	1800	100 ug/kg	1:100
8260B BTEX/FOC	05/21/14	05/21/14	1500	200 ug/kg	1:100
8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100

Surrogates

1,2-Dichloroethane-d4 Result 50 ug/kg Recovery 100 % Limits (65 - 135)

Laboratory ID 20931019
Sample ID UDC #6_#7
Matrix Soil

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

6010B METALS
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
6010B S	05/21/14	05/22/14	49.0	1.0 mg/Kg	1:1

Test Certificate of Analysis

Client ID	Au Energy						
Workorder #	20931	Workorder ID 1800 Powell CUPA - Sampling					
Laboratory ID	20931020			Sampled	05/20/14		
Sample ID	PT-3			Received	05/20/14		
Matrix	Soil			Reported	05/21/14		
8015B TEPH Parameter		Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHdiesel		8015B TEPH S	05/21/14	05/21/14	1700	1.0 mg/Kg	1:1
Laboratory ID	20931020			Sampled	05/20/14		
Sample ID	PT-3			Received	05/20/14		
Matrix	Soil			Reported	05/21/14		
8015B TPH Gas Parameter		Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas¹		8015B TPHgas S	05/21/14	05/21/14	2700	50 mg/Kg	1:100
Surrogates		Result	Recovery	Limits			
Trifluorotoluene		36.4 ug/kg	182 %	(65 - 135)			

¹ - TPHgas was weathered.

Laboratory ID	20931020			Sampled	05/20/14		
Sample ID	PT-3			Received	05/20/14		
Matrix	Soil			Reported	05/21/14		
8260B BTEX/Oxygenates Parameter		Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol		8260B BTEX/FOC	05/21/14	05/21/14	ND	1000 ug/kg	1:100
Methyl-tert-butyl-ether		8260B BTEX/FOC	05/21/14	05/21/14	ND	50 ug/kg	1:100
Di-isopropyl ether		8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
Ethyl tert butyl ether		8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
Tert amyl methyl ether		8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
1,2-Dichloroethane		8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
1,2-Dibromoethane		8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
Benzene		8260B BTEX/FOC	05/21/14	05/21/14	4200	100 ug/kg	1:100
Toluene		8260B BTEX/FOC	05/21/14	05/21/14	180	100 ug/kg	1:100
Ethylbenzene		8260B BTEX/FOC	05/21/14	05/21/14	19000	100 ug/kg	1:100
Xylene, Total		8260B BTEX/FOC	05/21/14	05/21/14	2000	100 ug/kg	1:100
Naphthalene		8260B BTEX/FOC	05/21/14	05/21/14	25000	200 ug/kg	1:100
Ethanol		8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/kg	1:100
Surrogates		Result	Recovery	Limits			
1,2-Dichloroethane-d4		50 ug/kg	100 %	(65 - 135)			

Method Blank Report

Client ID	Au Energy	Sample ID	MB for HBN 472973 [SGXV/2939]				
Laboratory ID	111349	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHdiesel	8015B TEPH S	05/21/14	05/21/14	ND	1.0 mg/Kg	1:1	

Lab Control Sample Report

Client ID	Au Energy	Sample ID	LCS for HBN 472973 [SGXV/2939]				
Laboratory ID	111350	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHdiesel	8015B TEPH S	05/21/14	05/21/14	48	1.0 mg/Kg	1:1	

Lab Control Sample Duplicate Report

Client ID	Au Energy	Sample ID	LCSD for HBN 472973 [SGXV/2939]				
Laboratory ID	111351	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHdiesel	8015B TEPH S	05/21/14	05/21/14	42	1.0 mg/Kg	1:1	

Matrix Spike Report

Client ID	Au Energy	Sample ID	MS for HBN 472973 [SGXV/2939]				
Laboratory ID	111352	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHdiesel	8015B TEPH S	05/21/14	05/21/14	100	10 mg/Kg	1:10	

Matrix Spike Duplicate Report

Client ID	Au Energy	Sample ID	MSD for HBN 472973 [SGXV/2939]				
Laboratory ID	111353	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHdiesel	8015B TEPH S	05/21/14	05/21/14	92	10 mg/Kg	1:10	

Method Blank Report

Client ID	Au Energy	Sample ID	MB for HBN 473070 [VMXV/3593]				
Laboratory ID	111354	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Tertiary butanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	10 ug/kg	1:1	

Method Blank Report

Client ID Au Energy **Sample ID** MB for HBN 473070 [VMXV/3593]
Laboratory ID 111354 **Matrix** Soil

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
(continued)						
Methyl-tert-butyl-ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	ND	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dichloroethane	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
1,2-Dibromoethane	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	ND	1.0 ug/kg	1:1
Naphthalene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	ND	2.0 ug/kg	1:1
Ethanol	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	ND	1.0 ug/kg	1:1

Surrogates
1,2-Dichloroethane-d4 **Result** 50 ug/kg **Recovery** 100 % **Limits** (65 - 135)

Lab Control Sample Report

Client ID Au Energy **Sample ID** LCS for HBN 473070 [VMXV/3593]
Laboratory ID 111355 **Matrix** Soil

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	271	10 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	54	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	52	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	53	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	53	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	53	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	56	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	57	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	169	1.0 ug/kg	1:1

Lab Control Sample Duplicate Report

Client ID Au Energy **Sample ID** LCSD for HBN 473070 [VMXV/3593]
Laboratory ID 111356 **Matrix** Soil

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
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Lab Control Sample Duplicate Report

Client ID Au Energy **Sample ID** LCSD for HBN 473070 [VMXV/3593]
Laboratory ID 111356 **Matrix** Soil

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
(continued)						
Tertiary butanol	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	258	10 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	52	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	50	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	51	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	51	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	52	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	55	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	56	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	165	1.0 ug/kg	1:1

Matrix Spike Report

Client ID Au Energy **Sample ID** MS for HBN 473070 [VMXV/3593]
Laboratory ID 111357 **Matrix** Soil

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	195	10 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	49	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	47	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	49	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	48	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	48	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	51	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	53	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	157	1.0 ug/kg	1:1

Matrix Spike Duplicate Report

Client ID Au Energy **Sample ID** MSD for HBN 473070 [VMXV/3593]
Laboratory ID 111358 **Matrix** Soil

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	197	10 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	49	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	47	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	49	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	49	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	50	1.0 ug/kg	1:1

Matrix Spike Duplicate Report

Client ID	Au Energy	Sample ID	MSD for HBN 473070 [VMXV/3593]				
Laboratory ID	111358	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
(continued)							
Toluene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	53	1.0 ug/kg	1:1	
Ethylbenzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	54	1.0 ug/kg	1:1	
Xylene, Total	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	159	1.0 ug/kg	1:1	

Method Blank Report

Client ID	Au Energy	Sample ID	MB for HBN 473074 [VGXV/3257]				
Laboratory ID	111364	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHgas	8015B TPHgas	S05/21/14	05/21/14	ND	0.50 mg/Kg	1:1	
Surrogates	Result	Recovery	Limits				
Trifluorotoluene	14.9 ug/kg	74 %	(65 - 135)				

Lab Control Sample Report

Client ID	Au Energy	Sample ID	LCS for HBN 473074 [VGXV/3257]				
Laboratory ID	111365	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHgas	8015B TPHgas	S05/21/14	05/21/14	0.92	0.50 mg/Kg	1:1	

Lab Control Sample Duplicate Report

Client ID	Au Energy	Sample ID	LCSD for HBN 473074 [VGXV/3257]				
Laboratory ID	111366	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHgas	8015B TPHgas	S05/21/14	05/21/14	0.88	0.50 mg/Kg	1:1	

Matrix Spike Report

Client ID	Au Energy	Sample ID	MS for HBN 473074 [VGXV/3257]				
Laboratory ID	111367	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHgas	8015B TPHgas	S05/21/14	05/21/14	1.1	0.50 mg/Kg	1:1	

Matrix Spike Duplicate Report

Client ID	Au Energy	Sample ID	MSD for HBN 473074 [VGXV/3257]				
Laboratory ID	111368	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHgas	8015B TPHgas	S05/21/14	05/21/14	1.0	0.50 mg/Kg	1:1	

Method Blank Report

Client ID	Au Energy	Sample ID	MB for HBN 473078 [ICPV/7067]				
Laboratory ID	111374	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Lead	6010B S	05/21/14	05/22/14	ND	1.0 mg/Kg	1:1	

Lab Control Sample Report

Client ID	Au Energy	Sample ID	LCS for HBN 473078 [ICPV/7067]				
Laboratory ID	111375	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Lead	6010B S	05/21/14	05/22/14	48.9	1.0 mg/Kg	1:1	

Lab Control Sample Duplicate Report

Client ID	Au Energy	Sample ID	LCSD for HBN 473078 [ICPV/7067]				
Laboratory ID	111376	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Lead	6010B S	05/21/14	05/22/14	48.6	1.0 mg/Kg	1:1	

Duplicate Report

Client ID	Au Energy	Sample ID	DUP for HBN 473078 [ICPV/7067]				
Laboratory ID	111377	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Lead	6010B S	05/21/14	05/22/14	845	1.0 mg/Kg	1:1	

Matrix Spike Report

Client ID	Au Energy	Sample ID	MS for HBN 473078 [ICPV/7067]				
Laboratory ID	111378	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Lead	6010B S	05/21/14	05/22/14	1030	1.0 mg/Kg	1:1	

Matrix Spike Duplicate Report

Client ID	Au Energy	Sample ID	MSD for HBN 473078 [ICPV/7067]				
Laboratory ID	111379	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Lead	6010B S	05/21/14	05/22/14	1040	1.0 mg/Kg	1:1	

Method Blank Report

Client ID	Au Energy	Sample ID	MB for HBN 473082 [GFAV/1447]				
Laboratory ID	111386	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Organic Lead	Org Pb LUFT S	05/21/14	05/21/14	ND	2.0 mg/Kg	1:1	

Lab Control Sample Report

Client ID	Au Energy	Sample ID	LCS for HBN 473082 [GFAV/1447]				
Laboratory ID	111387	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Organic Lead	Org Pb LUFT S	05/21/14	05/21/14	9.9	2.0 mg/Kg	1:1	

Lab Control Sample Duplicate Report

Client ID	Au Energy	Sample ID	LCSD for HBN 473082 [GFAV/1447]				
Laboratory ID	111388	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Organic Lead	Org Pb LUFT S	05/21/14	05/21/14	9.8	2.0 mg/Kg	1:1	

Duplicate Report

Client ID	Au Energy	Sample ID	DUP for HBN 473082 [GFAV/1447]				
Laboratory ID	111389	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Organic Lead	Org Pb LUFT S	05/21/14	05/21/14	ND	2.0 mg/Kg	1:1	

Matrix Spike Report

Client ID	Au Energy	Sample ID	MS for HBN 473082 [GFAV/1447]				
Laboratory ID	111390	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Organic Lead	Org Pb LUFT S	05/21/14	05/21/14	11	2.0 mg/Kg	1:1	

Matrix Spike Duplicate Report

Client ID	Au Energy	Sample ID	MSD for HBN 473082 [GFAV/1447]				
Laboratory ID	111391	Matrix	Soil				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Organic Lead	Org Pb LUFT S	05/21/14	05/21/14	11	2.0 mg/Kg	1:1	

QC SUMMARY

Client ID	Au Energy	Original Sample	20931002		
QC Batch	ICPP 7082		Duplicate [111377]		
Matrix	Soil				
Parameter				RPD	RPD Limits
Lead				6.55	(35)

Client ID	Au Energy	Original Sample	20931002		
QC Batch	GFAP 1451		Duplicate [111389]		
Matrix	Soil				
Parameter				RPD	RPD Limits
Organic Lead				00	(35)

Client ID	Au Energy	Original Samples	20931001		
QC Batch	SGX 2966		Matrix Spike [111352]		
Matrix	Soil		Matrix Spike Duplicate [111353]		
Parameter		Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD
TPHdiesel		-7400	-7420	(65-135)	-0.3
					RPD Limits
					(20 MAX)

Client ID	Au Energy	Original Samples	20931016		
QC Batch	VMX 3631		Matrix Spike [111357]		
Matrix	Soil		Matrix Spike Duplicate [111358]		
Parameter		Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD
Tertiary butanol		78	79	(65-135)	1.3
Methyl-tert-butyl-ether		98	98	(65-135)	00
Di-isopropyl ether		94	94	(65-135)	00
Ethyl tert butyl ether		98	98	(65-135)	00
Tert amyl methyl ether		96	98	(65-135)	2.1
Benzene		96	100	(65-135)	4.1
Toluene		102	106	(65-135)	3.8
Ethylbenzene		106	108	(65-135)	1.9
Xylene, Total		103	104	(65-135)	1.0
					RPD Limits
					(20 MAX)

Client ID	Au Energy	Original Samples	20931016		
QC Batch	VGX 3377		Matrix Spike [111367]		
Matrix	Soil		Matrix Spike Duplicate [111368]		
Parameter		Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD
					RPD Limits

QC SUMMARY

Client ID	Au Energy	Original Samples	20931016
QC Batch	VGX 3377		Matrix Spike [111367]
Matrix	Soil		Matrix Spike Duplicate [111368]

(continued)

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	110	105	(65-135)	4.7	(20 MAX)

Client ID	Au Energy	Original Samples	20931002
QC Batch	ICPP 7082		Matrix Spike [111378]
Matrix	Soil		Matrix Spike Duplicate [111379]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
Lead	252	284	(75-125)	11.9	(35 MAX)

Client ID	Au Energy	Original Samples	20931002
QC Batch	GFAP 1451		Matrix Spike [111390]
Matrix	Soil		Matrix Spike Duplicate [111391]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
Organic Lead	108	109	(75-125)	0.90	(35 MAX)

Client ID	Au Energy	Samples	Lab Control Sample [111350]
QC Batch	SGX 2966		Lab Control Sample Duplicate [111351]
Matrix	Soil		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHdiesel	96	84	(65-135)	13	(20 MAX)

Client ID	Au Energy	Samples	Lab Control Sample [111355]
QC Batch	VMX 3631		Lab Control Sample Duplicate [111356]
Matrix	Soil		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
Tertiary butanol	108	103	(65-135)	4.7	(20 MAX)
Methyl-tert-butyl-ether	108	104	(65-135)	3.8	(20 MAX)
Di-isopropyl ether	104	100	(65-135)	3.9	(20 MAX)
Ethyl tert butyl ether	106	102	(65-135)	3.8	(20 MAX)

QC SUMMARY

Client ID	Au Energy	Samples	Lab Control Sample [111355]
QC Batch	VMX 3631		Lab Control Sample Duplicate [111356]
Matrix	Soil		(continued)

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
Tert amyl methyl ether	106	102	(65-135)	3.8	(20 MAX)
Benzene	106	104	(65-135)	1.9	(20 MAX)
Toluene	112	110	(65-135)	1.8	(20 MAX)
Ethylbenzene	114	112	(65-135)	1.8	(20 MAX)
Xylene, Total	113	110	(65-135)	2.7	(20 MAX)

Client ID	Au Energy	Samples	Lab Control Sample [111365]
QC Batch	VGX 3377		Lab Control Sample Duplicate [111366]
Matrix	Soil		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	92	88	(65-135)	4.4	(20 MAX)

Client ID	Au Energy	Samples	Lab Control Sample [111375]
QC Batch	ICPP 7082		Lab Control Sample Duplicate [111376]
Matrix	Soil		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
Lead	97.8	97.2	(80-120)	0.6150	(20 MAX)

Client ID	Au Energy	Samples	Lab Control Sample [111387]
QC Batch	GFAP 1451		Lab Control Sample Duplicate [111388]
Matrix	Soil		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
Organic Lead	99	98	(80-120)	1.0	(20 MAX)

Sunny Goyal
Au Energy
4185 Albrae Street
Fremont, CA 94538

Client	Au Energy
Workorder	20932 1800 Powell CUPA - Sampling
Received	05/20/14

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.



Ray James
Laboratory Director

Sunny Goyal
Au Energy
4185 Albrae Street
Fremont, CA 94538

Workorder 20932

Enclosed are the results from samples received on May 20, 2014.

The requested analyses are listed below.

SAMPLE	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
20932001	TANK PIT WATER, Water	05/20/14	8015B TEPH 8015B TPHgas LUFT 8260B BTEX/FOC W 6010B

Test Certificate of Analysis

Client ID	Au Energy							
Workorder #	20932						Workorder ID 1800 Powell CUPA - Sampling	
Laboratory ID	20932001				Sampled	05/20/14		
Sample ID	TANK PIT WATER				Received	05/20/14		
Matrix	Water				Reported	05/21/14		
8015B TEPH Parameter		Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHdiesel		8015B TEPH	05/21/14	05/21/14	29000	500 ug/L	1:10	
Laboratory ID	20932001				Sampled	05/20/14		
Sample ID	TANK PIT WATER				Received	05/20/14		
Matrix	Water				Reported	05/21/14		
8015B TPH Gas Parameter		Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHgas¹		8015B TPHgas	05/21/14	05/21/14	12000	500 ug/L	1:10	
Surrogates		Result	Recovery	Limits				
Trifluorotoluene		19.2 ug/L	96 %	(65 - 135)				
<hr/>								
1 - TPHgas was weathered.								
Laboratory ID	20932001				Sampled	05/20/14		
Sample ID	TANK PIT WATER				Received	05/20/14		
Matrix	Water				Reported	05/21/14		
LUFT, Organic Lead Parameter		Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Organic Lead		LUFT	05/21/14	05/21/14	ND	1.0 mg/L	1:1	
Laboratory ID	20932001				Sampled	05/20/14		
Sample ID	TANK PIT WATER				Received	05/20/14		
Matrix	Water				Reported	05/21/14		
8260B BTEX/Oxygenates Parameter		Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Tertiary butanol		8260B BTEX/FOC	05/21/14	05/21/14	ND	100 ug/L	1:10	
Methyl-tert-butyl-ether		8260B BTEX/FOC	05/21/14	05/21/14	20	5.0 ug/L	1:10	
Di-isopropyl ether		8260B BTEX/FOC	05/21/14	05/21/14	ND	10 ug/L	1:10	
Ethyl tert butyl ether		8260B BTEX/FOC	05/21/14	05/21/14	ND	10 ug/L	1:10	
Tert amyl methyl ether		8260B BTEX/FOC	05/21/14	05/21/14	ND	10 ug/L	1:10	
1,2-Dichloroethane		8260B BTEX/FOC	05/21/14	05/21/14	ND	10 ug/L	1:10	
1,2-Dibromoethane		8260B BTEX/FOC	05/21/14	05/21/14	ND	10 ug/L	1:10	
Benzene		8260B BTEX/FOC	05/21/14	05/21/14	290	10 ug/L	1:10	
Toluene		8260B BTEX/FOC	05/21/14	05/21/14	2100	10 ug/L	1:10	
Ethylbenzene		8260B BTEX/FOC	05/21/14	05/21/14	360	10 ug/L	1:10	

Test Certificate of Analysis

Client ID Au Energy
Workorder # 20932

Workorder ID 1800 Powell CUPA - Sampling

Laboratory ID 20932001
Sample ID TANK PIT WATER
Matrix Water

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

8260B BTEX/Oxygenates (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Xylene, Total	8260B BTEX/FOC	05/21/14	05/21/14	2600	10 ug/L	1:10
Naphthalene	8260B BTEX/FOC	05/21/14	05/21/14	40	20 ug/L	1:10
Ethanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	50 ug/L	1:10

Surrogates

1,2-Dichloroethane-d4 Result 53 ug/L Recovery 106 % Limits (65 - 135)

Laboratory ID 20932001
Sample ID TANK PIT WATER
Matrix Water

Sampled 05/20/14
Received 05/20/14
Reported 05/21/14

6010B METALS

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B	05/21/14	05/23/14	0.026	0.010 mg/L	1:1

Method Blank Report

Client ID	Au Energy	Sample ID	MB for HBN 472970 [SGXV/2938]				
Laboratory ID	111344	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHdiesel	8015B TEPH	05/21/14	05/21/14	ND	50 ug/L	1:1	

Lab Control Sample Report

Client ID	Au Energy	Sample ID	LCS for HBN 472970 [SGXV/2938]				
Laboratory ID	111345	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHdiesel	8015B TEPH	05/21/14	05/21/14	930	50 ug/L	1:1	

Lab Control Sample Duplicate Report

Client ID	Au Energy	Sample ID	LCSD for HBN 472970 [SGXV/2938]				
Laboratory ID	111346	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHdiesel	8015B TEPH	05/21/14	05/21/14	1000	50 ug/L	1:1	

Method Blank Report

Client ID	Au Energy	Sample ID	MB for HBN 473072 [VMXV/3594]				
Laboratory ID	111359	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Tertiary butanol	8260B BTEX/FOC	05/21/14	05/21/14	ND	10 ug/L	1:1	
Methyl-tert-butyl-ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	0.50 ug/L	1:1	
Di-isopropyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/L	1:1	
Ethyl tert butyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/L	1:1	
Tert amyl methyl ether	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/L	1:1	
1,2-Dichloroethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/L	1:1	
1,2-Dibromoethane	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/L	1:1	
Benzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/L	1:1	
Toluene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/L	1:1	
Ethylbenzene	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/L	1:1	
Xylene, Total	8260B BTEX/FOC	05/21/14	05/21/14	ND	1.0 ug/L	1:1	
Naphthalene	8260B BTEX/FOC	05/21/14	05/21/14	ND	2.0 ug/L	1:1	
Surrogates	Result	Recovery	Limits				
1,2-Dichloroethane-d4	50 ug/L	100 %	(65 - 135)				

Lab Control Sample Report

Client ID Au Energy **Sample ID** LCS for HBN 473072 [VMXV/3594]
Laboratory ID 111360 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	271	10 ug/L	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	54	0.50 ug/L	1:1
Di-isopropyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	52	1.0 ug/L	1:1
Ethyl tert butyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	53	1.0 ug/L	1:1
Tert amyl methyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	53	1.0 ug/L	1:1
Benzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	53	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	56	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	57	1.0 ug/L	1:1
Xylene, Total	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	169	1.0 ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Au Energy **Sample ID** LCSD for HBN 473072 [VMXV/3594]
Laboratory ID 111361 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	258	10 ug/L	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	52	0.50 ug/L	1:1
Di-isopropyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	50	1.0 ug/L	1:1
Ethyl tert butyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	51	1.0 ug/L	1:1
Tert amyl methyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	51	1.0 ug/L	1:1
Benzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	52	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	55	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	56	1.0 ug/L	1:1
Xylene, Total	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	165	1.0 ug/L	1:1

Matrix Spike Report

Client ID Au Energy **Sample ID** MS for HBN 473072 [VMXV/3594]
Laboratory ID 111362 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	3150	10 ug/L	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	718	0.50 ug/L	1:1
Di-isopropyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	700	1.0 ug/L	1:1
Ethyl tert butyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	720	1.0 ug/L	1:1
Tert amyl methyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	710	1.0 ug/L	1:1
Benzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	995	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	2930	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	1150	1.0 ug/L	1:1

Matrix Spike Report

Client ID	Au Energy	Sample ID	MS for HBN 473072 [VMXV/3594]			
Laboratory ID	111362	Matrix	Water			
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
(continued)						
Xylene, Total	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	4740	1.0 ug/L	1:1

Matrix Spike Duplicate Report

Client ID	Au Energy	Sample ID	MSD for HBN 473072 [VMXV/3594]			
Laboratory ID	111362	Matrix	Water			
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	2730	10 ug/L	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	621	0.50 ug/L	1:1
Di-isopropyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	599	1.0 ug/L	1:1
Ethyl tert butyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	619	1.0 ug/L	1:1
Tert amyl methyl ether	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	610	1.0 ug/L	1:1
Benzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	854	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	2500	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	975	1.0 ug/L	1:1
Xylene, Total	8260B BTEX/FOC05/21/14	05/21/14	05/21/14	3990	1.0 ug/L	1:1

Method Blank Report

Client ID	Au Energy	Sample ID	MB for HBN 473076 [VGXV/3258]			
Laboratory ID	111369	Matrix	Water			
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas	05/21/14	05/21/14	ND	50 ug/L	1:1
Surrogates	Result	Recovery	Limits			
Trifluorotoluene	14.9 ug/L	74 %	(65 - 135)			

Lab Control Sample Report

Client ID	Au Energy	Sample ID	LCS for HBN 473076 [VGXV/3258]			
Laboratory ID	111370	Matrix	Water			
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas	05/21/14	05/21/14	915	50 ug/L	1:1

Lab Control Sample Duplicate Report

Client ID	Au Energy	Sample ID	LCSD for HBN 473076 [VGXV/3258]				
Laboratory ID	111371	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHgas	8015B TPHgas	05/21/14	05/21/14	883	50 ug/L	1:1	

Matrix Spike Report

Client ID	Au Energy	Sample ID	MS for HBN 473076 [VGXV/3258]				
Laboratory ID	111372	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHgas	8015B TPHgas	05/21/14	05/21/14	22000	50 ug/L	1:1	

Matrix Spike Duplicate Report

Client ID	Au Energy	Sample ID	MSD for HBN 473076 [VGXV/3258]				
Laboratory ID	111373	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
TPHgas	8015B TPHgas	05/21/14	05/21/14	20600	50 ug/L	1:1	

Method Blank Report

Client ID	Au Energy	Sample ID	MB for HBN 473080 [ICPV/7068]				
Laboratory ID	111380	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Lead	6010B	05/21/14	05/23/14	ND	0.010 mg/L	1:1	

Lab Control Sample Report

Client ID	Au Energy	Sample ID	LCS for HBN 473080 [ICPV/7068]				
Laboratory ID	111381	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Lead	6010B	05/21/14	05/23/14	0.495	0.010 mg/L	1:1	

Lab Control Sample Duplicate Report

Client ID	Au Energy	Sample ID	LCSD for HBN 473080 [ICPV/7068]				
Laboratory ID	111382	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Lead	6010B	05/21/14	05/23/14	0.499	0.010 mg/L	1:1	

Duplicate Report

Client ID	Au Energy	Sample ID	DUP for HBN 473080 [ICPV/7068]				
Laboratory ID	111383	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Lead	6010B	05/21/14	05/23/14	0.023	0.010 mg/L	1:1	

Matrix Spike Report

Client ID	Au Energy	Sample ID	MS for HBN 473080 [ICPV/7068]				
Laboratory ID	111384	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Lead	6010B	05/21/14	05/23/14	0.455	0.010 mg/L	1:1	

Matrix Spike Duplicate Report

Client ID	Au Energy	Sample ID	MSD for HBN 473080 [ICPV/7068]				
Laboratory ID	111385	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Lead	6010B	05/21/14	05/23/14	0.462	0.010 mg/L	1:1	

Method Blank Report

Client ID	Au Energy	Sample ID	MB for HBN 473084 [GFAV/1448]				
Laboratory ID	111392	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Organic Lead	LUFT	05/21/14	05/21/14	ND	1.0 mg/L	1:1	

Lab Control Sample Report

Client ID	Au Energy	Sample ID	LCS for HBN 473084 [GFAV/1448]				
Laboratory ID	111393	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Organic Lead	LUFT	05/21/14	05/21/14	11	1.0 mg/L	1:1	

Lab Control Sample Duplicate Report

Client ID	Au Energy	Sample ID	LCSD for HBN 473084 [GFAV/1448]				
Laboratory ID	111394	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Organic Lead	LUFT	05/21/14	05/21/14	11	1.0 mg/L	1:1	

Duplicate Report

Client ID	Au Energy	Sample ID	DUP for HBN 473084 [GFAV/1448]				
Laboratory ID	111395	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Organic Lead	LUFT	05/21/14	05/21/14	ND	1.0 mg/L	1:1	

Matrix Spike Report

Client ID	Au Energy	Sample ID	MS for HBN 473084 [GFAV/1448]				
Laboratory ID	111396	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Organic Lead	LUFT	05/21/14	05/21/14	8.1	1.0 mg/L	1:1	

Matrix Spike Duplicate Report

Client ID	Au Energy	Sample ID	MSD for HBN 473084 [GFAV/1448]				
Laboratory ID	111397	Matrix	Water				
Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution	
Organic Lead	LUFT	05/21/14	05/21/14	8.1	1.0 mg/L	1:1	

QC SUMMARY

Client ID	Au Energy	Original Sample	20932001		
QC Batch	ICPP 7083		Duplicate [111383]		
Matrix	Water				
Parameter				RPD	RPD Limits
Lead				12.2	(35)

Client ID	Au Energy	Original Sample	20932001		
QC Batch	GFAP 1452		Duplicate [111395]		
Matrix	Water				
Parameter				RPD	RPD Limits
Organic Lead				00	(35)

Client ID	Au Energy	Original Samples	20932001		
QC Batch	VMX 3632		Matrix Spike [111362]		
Matrix	Water		Matrix Spike Duplicate [111363]		

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
Tertiary butanol	125	108	(65-135)	15	(20 MAX)
Methyl-tert-butyl-ether	140	120	(65-135)	15	(20 MAX)
Di-isopropyl ether	140	120	(65-135)	15	(20 MAX)
Ethyl tert butyl ether	144	124	(65-135)	15	(20 MAX)
Tert amyl methyl ether	142	122	(65-135)	15	(20 MAX)
Benzene	141	113	(65-135)	22	(20 MAX)
Toluene	166	80	(65-135)	70	(20 MAX)
Ethylbenzene	159	123	(65-135)	26	(20 MAX)
Xylene, Total	143	93	(65-135)	42	(20 MAX)

Client ID	Au Energy	Original Samples	20932001		
QC Batch	VGX 3378		Matrix Spike [111372]		
Matrix	Water		Matrix Spike Duplicate [111373]		

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	100	86	(65-135)	15	(20 MAX)

Client ID	Au Energy	Original Samples	20932001		
QC Batch	ICPP 7083		Matrix Spike [111384]		
Matrix	Water		Matrix Spike Duplicate [111385]		

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
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QC SUMMARY

Client ID	Au Energy	Original	20932001
QC Batch	ICPP 7083	Samples	Matrix Spike [111384]
Matrix	Water		Matrix Spike Duplicate [111385]
			(continued)

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
Lead	85.8	87.2	(75-125)	1.62	(35 MAX)

Client ID	Au Energy	Original	20932001
QC Batch	GFAP 1452	Samples	Matrix Spike [111396]
Matrix	Water		Matrix Spike Duplicate [111397]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
Organic Lead	81	81	(75-125)	00	(35 MAX)

Client ID	Au Energy	Samples	Lab Control Sample [111345]
QC Batch	SGX 2965		Lab Control Sample Duplicate [111346]
Matrix	Water		

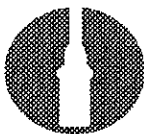
Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHdiesel	93	100	(65-135)	7.3	(20 MAX)

Client ID	Au Energy	Samples	Lab Control Sample [111360]
QC Batch	VMX 3632		Lab Control Sample Duplicate [111361]
Matrix	Water		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
Tertiary butanol	108	103	(65-135)	4.7	(20 MAX)
Methyl-tert-butyl-ether	108	104	(65-135)	3.8	(20 MAX)
Di-isopropyl ether	104	100	(65-135)	3.9	(20 MAX)
Ethyl tert butyl ether	106	102	(65-135)	3.8	(20 MAX)
Tert amyl methyl ether	106	102	(65-135)	3.8	(20 MAX)
Benzene	106	104	(65-135)	1.9	(20 MAX)
Toluene	112	110	(65-135)	1.8	(20 MAX)
Ethylbenzene	114	112	(65-135)	1.8	(20 MAX)
Xylene, Total	113	110	(65-135)	2.7	(20 MAX)

QC SUMMARY

Client ID	Au Energy	Samples	Lab Control Sample [111370]			
QC Batch	VGX 3378		Lab Control Sample Duplicate [111371]			
Matrix	Water					
Parameter		Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas		92	88	(65-135)	4.4	(20 MAX)
Client ID	Au Energy	Samples	Lab Control Sample [111381]			
QC Batch	ICPP 7083		Lab Control Sample Duplicate [111382]			
Matrix	Water					
Parameter		Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
Lead		99.0	99.8	(80-120)	0.8050	(20 MAX)
Client ID	Au Energy	Samples	Lab Control Sample [111393]			
QC Batch	GFAP 1452		Lab Control Sample Duplicate [111394]			
Matrix	Water					
Parameter		Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
Organic Lead		105	107	(80-120)	1.9	(20 MAX)



Project Contact (Hardcopy or PDF To): Sunny Goyal		California EDF Report? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Chain-of-Custody Record and Analysis Request																																																																																																																																																																																																																																																																																																																															
Company / Address: Au Energy 4185 Albrae Street Fremont, CA 94538		Sampling Company Log Code: NA		Analysis Request										TAT																																																																																																																																																																																																																																																																																																																					
Phone #: 510-270-3411	Fax #: 510-270-3411	Global ID: NA		<div style="font-size: 2em; font-weight: bold; position: absolute; top: 0; left: 50%; transform: translate(-50%, -50%); opacity: 0.5;">ETOH</div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">TPH Gas (EPA 8015M)</td> <td style="width: 10%;"></td> <td style="width: 10%;">TPH as Diesel (EPA 8015M)</td> <td style="width: 10%;"></td> <td style="width: 10%;">TPH as Motor Oil (EPA 8015M)</td> <td style="width: 10%;"></td> <td style="width: 10%;">5 Oxygenates / BTEX / Naphthalene (EPA 8260B)</td> <td style="width: 10%;"></td> <td style="width: 10%;">Lead Scav. (1,2 DCA & 1,2 EDB-EPA 8260B)</td> <td style="width: 10%;"></td> <td style="width: 10%;">7 Oxygenates / BTEX (EPA 8260B)</td> <td style="width: 10%;"></td> <td style="width: 10%;">Volatile Organics Full List (EPA 8260B)</td> <td style="width: 10%;"></td> <td style="width: 10%;">Cam 5 (EPA 6010B): Cd, Cr, Pb, Ni, Zn</td> <td style="width: 10%;"></td> <td style="width: 10%;">Cam 17 (EPA 6010B)</td> <td style="width: 10%;"></td> <td style="width: 10%;">Cam 17 WET / TCLP (EPA 6010B)</td> <td style="width: 10%;"></td> <td style="width: 10%;">Organic Lead (LUFT)</td> <td style="width: 10%;"></td> </tr> <tr> <td colspan="22" style="text-align: center; font-size: 2em; font-weight: bold;">6010-Pb</td> </tr> </table>										TPH Gas (EPA 8015M)		TPH as Diesel (EPA 8015M)		TPH as Motor Oil (EPA 8015M)		5 Oxygenates / BTEX / Naphthalene (EPA 8260B)		Lead Scav. (1,2 DCA & 1,2 EDB-EPA 8260B)		7 Oxygenates / BTEX (EPA 8260B)		Volatile Organics Full List (EPA 8260B)		Cam 5 (EPA 6010B): Cd, Cr, Pb, Ni, Zn		Cam 17 (EPA 6010B)		Cam 17 WET / TCLP (EPA 6010B)		Organic Lead (LUFT)		6010-Pb																						<input checked="" type="checkbox"/> 24 hr <input type="checkbox"/> 48 hr <input type="checkbox"/> 5 DY <input type="checkbox"/> 10 DY																																																																																																																																																																																																																																																																									
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