



September 4, 2012

Alameda County Department of
Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

RECEIVED

5:07 pm, Sep 13, 2012

Alameda County
Environmental Health

Attention: Mr. Chris Tougeron

Subject: Report of Underground Storage Tank Removal Activities
3800 San Pablo Avenue, Emeryville, California

Ladies and Gentlemen:

On behalf of the San Pablo Avenue Venture, Gribi Associates is pleased to provide this letter report documenting the removal of one 1,000-gallon underground storage tank (UST) from the facility located at 3800 San Pablo Avenue in Emeryville, California (Site) (Figure 1, Figure 2, and Figure 3). This report summarizes tank removal procedures and provides results of tank removal activities.

1.0 INTRODUCTION

The subject UST, which was located in the Apgar Street sidewalk on the south side of the Site, was discovered during a underground utilities survey. The UST is of unknown age and use; however, the concrete sidewalk overlying the UST was stamped with a date of 1931. Also, water present in the tank exhibited a gasoline odor, and laboratory analysis of a sample of the tank contents water (sample "UST" collected on May 11, 2012) showed low levels of primarily gasoline-range hydrocarbons.

Construction-related activities for the UST removal were conducted by TEC, Inc., a qualified licensed contractor (License Type A Haz B C36 C10 C61/D40). Gribi Associates documented UST removal activities, conducted confirmation soil sampling, and prepared this UST removal report.

The UST was removed on Thursday, August 9, 2012. Following UST removal, confirmation sampling was conducted, and the UST cavity was backfilled and resurfaced.

2.0 DESCRIPTION OF UST REMOVAL ACTIVITIES

2.1 Prefield Activities

TEC, Inc., the contractor of record, obtained all necessary permits and filing notifications for removal of the UST. These permits and notifications included the following:

- Encroachment permit issued by City of Emeryville, Department of Public Works
- Filing a “Notification Form” with Bay Area Air Quality Management District
- UST Closure Permit Application issued by Alameda County, Department of Environmental Health
- Building Permit issued by the City of Emeryville

Copies of the permits are provided as Attachment A.

Additionally, a notification of the proposed tank removal was provided to the Alameda County Department of Environmental Health. At least 48 hours prior to excavation activities, TEC, Inc. outlined the excavation area with white paint and notified Underground Service Alert.

2.2 Field Activities

The UST was removed by TEC, Inc. on Thursday, August 9, 2012. The UST cavity was backfilled on the same day and subsequently resurfaced to match existing surface grade. Photographs documenting UST removal activities are included in Attachment B.

UST removal activities occurred in the following sequential order:

- (1) On July 31, 2012, the interior of the UST was evacuated of any residual liquids and then cleaned by triple rinsing by Icon Environmental Services. Approximately 825 gallons of liquid from the tank (gasoline-impacted water and rinseate) was transported by Icon to Crosby & Overton in Long Beach, California.
- (2) On August 8 and 9, 2012, concrete and overburden was excavated and the UST was exposed. Excavated soil was stockpiled in an area southeast from the UST excavation, and the soil stockpile was covered with 15-millimeter thick polyethylene sheeting.
- (3) Oxygen and hydrocarbon vapors were purged from the UST using carbon dioxide sublimated from dry ice. The UST was certified to be visually clean and free of flammable vapors by Alameda County Department of Environmental Health and City of Emeryville Fire Department.

- (4) Following UST purging, TEC, Inc. received authorization from the City of Emeryville Fire Inspector to remove the tank.
- (5) TEC, Inc. then used a backhoe to lift the UST from the excavation, set it on the ground for rough cleaning, and load it onto a flat-bed trailer.
- (6) The 500-pound UST was transported by ECI, Inc. under formal manifest to ECI, Inc. in Richmond, California for disposal.
- (7) No product lines or vent pipe were encountered during UST removal.
- (8) The UST excavation cavity was backfilled and compacted with stockpiled overburden soil.
- (9) On August 30, 2012, the excavation area was resurfaced with concrete in accordance with City of Emeryville permit requirements.

Disposal manifests for the generated liquids and the UST are provided as Attachment C.

It was noted by Gribi Associates personnel that no physical evidence of tank leaks (holes, pitting, excessive rust) was observed relative to the removed UST. Slight to occasionally moderate hydrocarbon (apparent gasoline) odors were noted in soils from the excavation cavity.

2.3 Sample Collection

A total of seven soil samples were collected in conjunction with the UST removal activities. Sample locations are shown on Figure 3. The four soil samples were collected as follows:

- Two soil samples (T-1-W and T-1-E) were collected beneath each end of the removed UST at a depth of approximately 10.0 feet below ground surface (bgs).
- Two soil samples (T-1-N and T-1-S) were collected from the north and south excavation sidewalls at approximately 7.0 feet bgs.
- Three soil samples (SP-1.1, SP-1.2, and SP-1.3) were collected from the excavated soil stockpile for compositing at the laboratory.

The excavation pit bottom and sidewall samples were collected directly from the backhoe bucket. The stockpiled soil sample was collected directly from the soil stockpiles. Each of the soil samples was collected using the following method: Three to six inches of exposed soil was scraped away and a clean 2-inch by six-inch stainless steel tube was driven into the soil. Extra

care was taken to minimize excess void in the tube. The tube was then quickly sealed with aluminum foil and plastic end caps, wrapped tightly with tape, labeled, and immediately placed in cold storage for transport to the laboratory.

2.4 Laboratory Analysis of Soil Samples

The four excavation pit verification soil samples (T-1-E, T-1-W, T-1-N, and T-1-S) were analyzed for the following parameters:

- USEPA 8015C Total Petroleum Hydrocarbons as Diesel (TPH-D), and Motor Oil (TPH-MO)
- USEPA 8260B Total Petroleum Hydrocarbons as Gasoline Range Organics (TPH-G)
- USEPA 8260B Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)
- USEPA 8260B Oxygenates (TAME, TBA, DIPE, ETBE, and MTBE)

The two tank-end verification soil samples (T-1-E and T-1-W) were also analyzed for the following parameters:

- USEPA 8270C Semivolatile Organic Compounds
- USEPA 8082 Polychlorinated Biphenyls
- Polycyclic Aromatic Hydrocarbons (PAH) Compounds by Semivolatile GCMS
- USEPA 6010B Five LUFT Metals (Ca, Cr, Pb, Ni, Zn)

The three-point composite soil sample (SP-1.1, SP-1.2, and SP-1.3) from the soil stockpile was analyzed for the following parameter:

- USEPA 8015C Total Petroleum Hydrocarbons as Diesel (TPH-D), and Motor Oil (TPH-MO)
- USEPA 8260B Total Petroleum Hydrocarbons as Gasoline Range Organics (TPH-G)
- USEPA 8260B Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)
- USEPA 8260B Oxygenates (TAME, TBA, DIPE, ETBE, and MTBE)
- USEPA 6010B Five LUFT Metals (Ca, Cr, Pb, Ni, Zn)

All analyses were conducted by Sunstar Laboratories, Inc., a California-certified (Certificate No. 2250) analytical laboratory located in Lake Forest, California. Soil analytical results are summarized in Table 1 and on Figure 3. The laboratory data report and chain-of-custody record are provided as Attachment D.

3.0 RESULTS OF UST REMOVAL ACTIVITIES

3.1 Evidence of Past Leaks

Following removal of the UST, the tank and excavation pit soils were examined for evidence of fuel product releases. The tank was fully intact and exhibited no significant holes or breaches.

The UST was underlain by approximately one foot of bedding material followed by hard, dense clays. Soils in the excavation sidewalls and pit floor from about seven feet to ten feet in depth exhibited slight to occasionally moderate hydrocarbon (gasoline) odors.

3.2 Results of Soil Sampling

Laboratory results showed no significant hydrocarbon or metals detections from either the verification soil samples or the stockpile soil samples. The only hydrocarbon detection in any of the samples was 0.520 milligrams per kilogram (mg/kg) (detection level = 0.500 mg/kg) of Total Petroleum Hydrocarbons as Gasoline (TPH-G) in the north sidewall soil sample, T-1-N. All of the metals results were relatively low and appear to represent background metals concentrations.

4.0 CONCLUSIONS

One 1,000-gallon UST was removed from the Apgar Street sidewalk adjacent to the 3800 San Pablo Avenue building. Although soils beneath the removed UST exhibited slight to occasionally moderate hydrocarbon odors, the tank itself showed no evidence of leakage and laboratory analytical results from soil samples showed no significant hydrocarbon detections. These results indicate that, while some releases may have occurred relative to the UST (perhaps from overfilling or spilling while filling), these releases have degraded over the many decades since they occurred (the tank predates the current 1980 ownership group and may have occurred as far back as 1931, the date stamped on concrete overlying the tank).

Based on our observations during the removal of the UST and on results of confirmation sampling, Gribi Associates believes that no further environmental investigation or remediation activities related to this UST are warranted.

Alameda County Department of
Environmental Health
September 4, 2012
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We appreciate the opportunity to provide this report for your review. Please contact us if you have questions or require additional information regarding this report.

Very truly yours,



Matthew A. Rosman
Project Engineer



James E. Gribi
Registered Geologist
California No. 5843



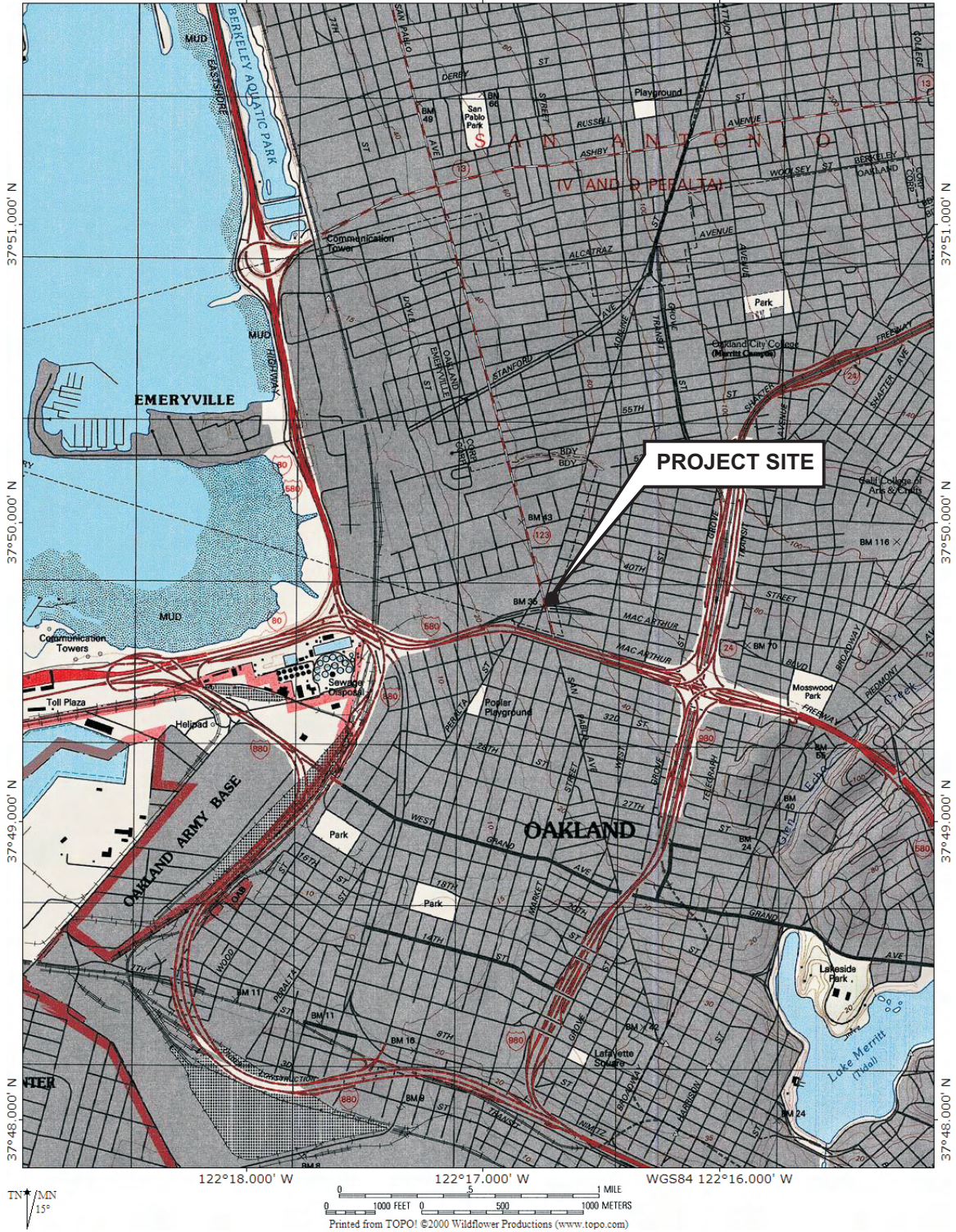
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Enclosure

cc: Bill Banker, Jr., San Pablo Avenue Venture

M:\Projects\Active Projects\Maz Glass (Marks Mgmt)\UST Removal\Maz Glass_ UST Removal Report_FINAL.wpd

FIGURES

TOPO! map printed on 04/03/07 from "California.tpo" and "Untitled.tpg"
 122°18.000' W 122°17.000' W WGS84 122°16.000' W



DESIGNED BY:

CHECKED BY:

DRAWN BY: JG

SCALE:

PROJECT NO:

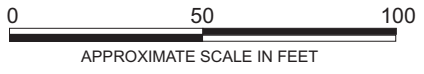
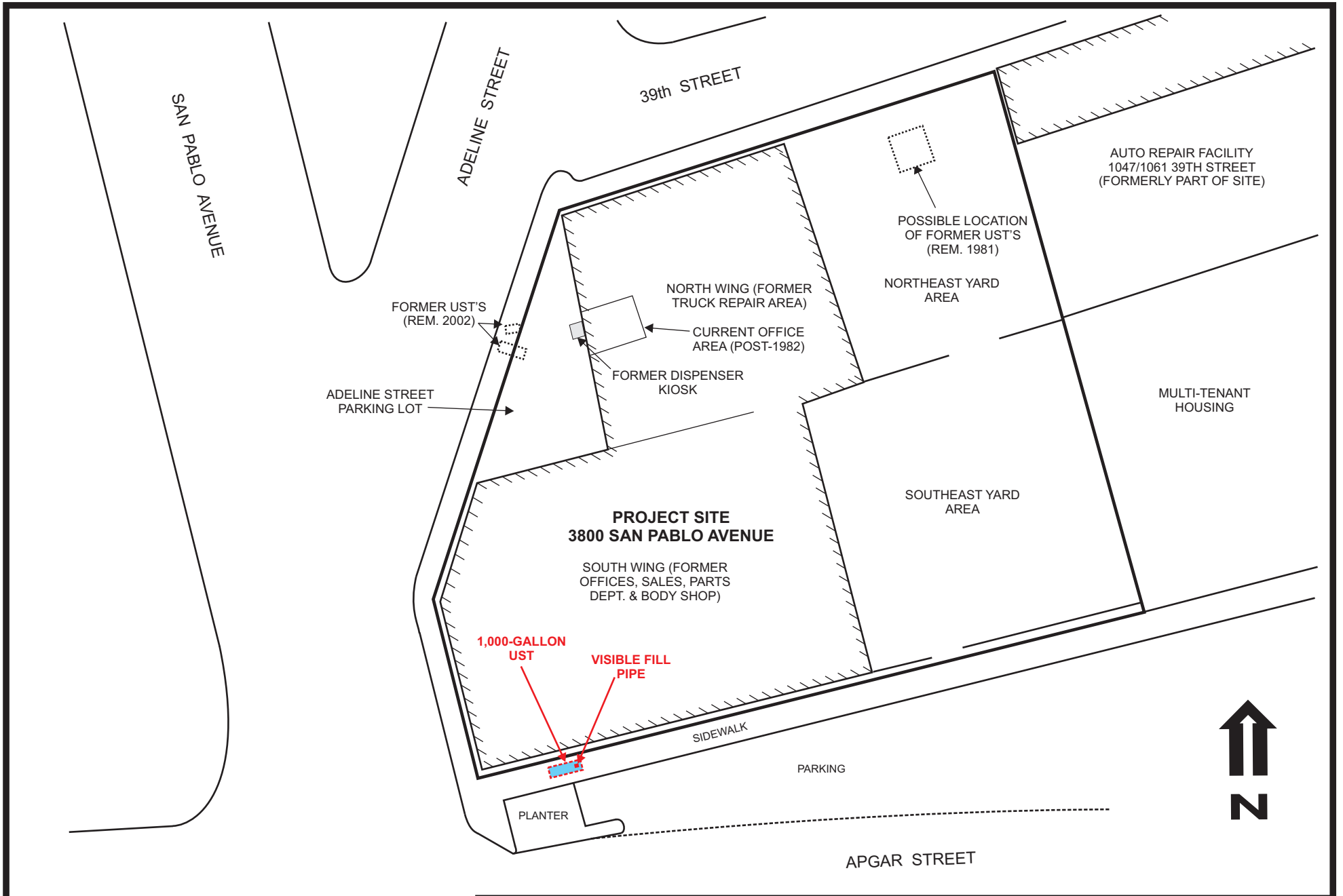
SITE VICINITY MAP

3800 SAN PABLO AVENUE
 EMERYVILLE, CALIFORNIA

DATE: 01/13/2012

FIGURE: 1





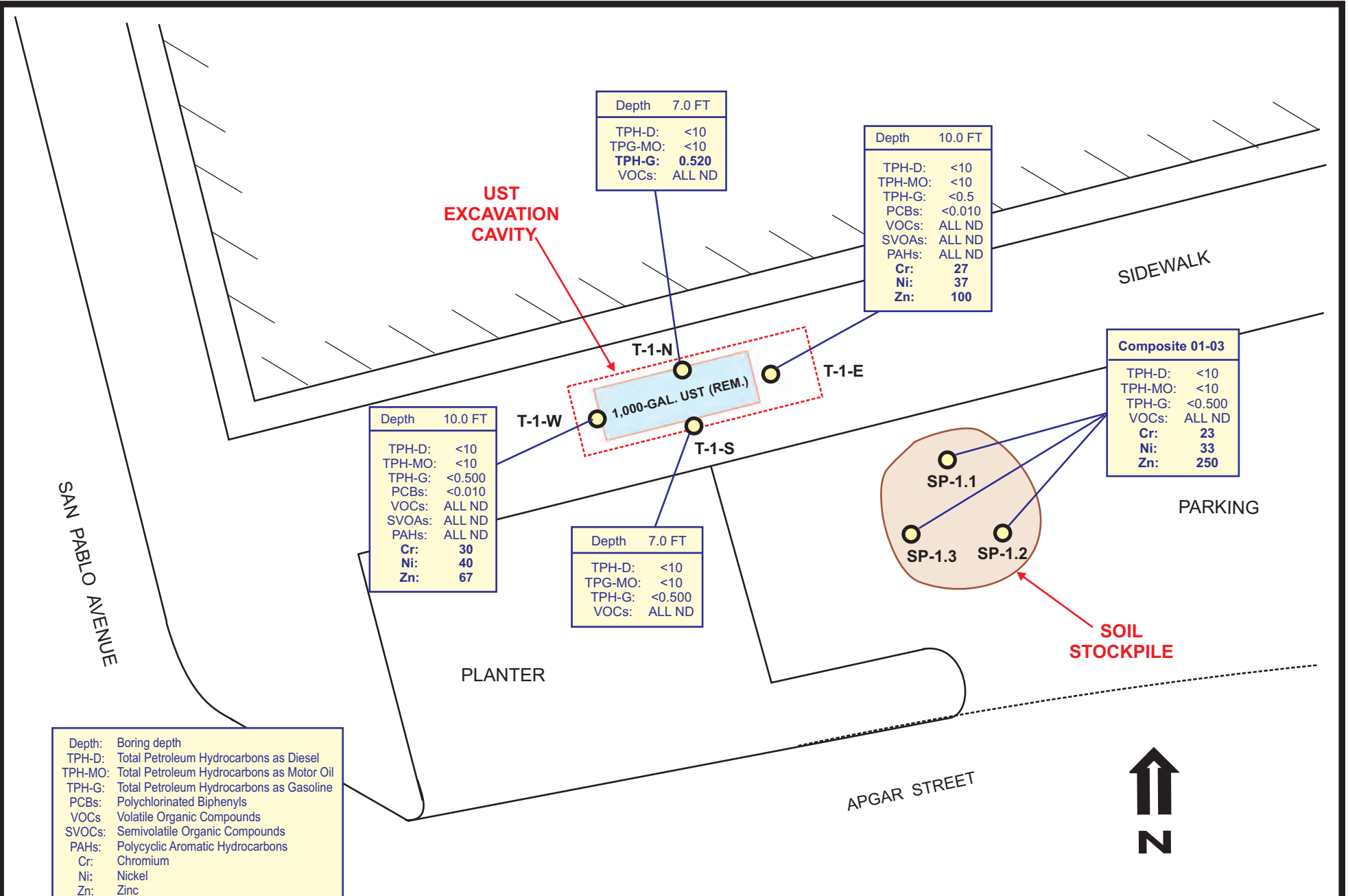
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DRAWN BY: JG	SCALE:
PROJECT NO:	

SITE PLAN

3800 SAN PABLO AVENUE
EMERYVILLE, CALIFORNIA

DATE: 09/04/2012	FIGURE: 2





**UST
EXCAVATION
CAVITY**

Depth	7.0 FT
TPH-D:	<10
TPG-MO:	<10
TPH-G:	0.520
VOCs:	ALL ND

Depth	10.0 FT
TPH-D:	<10
TPH-MO:	<10
TPH-G:	<0.5
PCBs:	<0.010
VOCs:	ALL ND
SVOAs:	ALL ND
PAHs:	ALL ND
Cr:	27
Ni:	37
Zn:	100

Depth	10.0 FT
TPH-D:	<10
TPH-MO:	<10
TPH-G:	<0.500
PCBs:	<0.010
VOCs:	ALL ND
SVOAs:	ALL ND
PAHs:	ALL ND
Cr:	30
Ni:	40
Zn:	67

Depth	7.0 FT
TPH-D:	<10
TPG-MO:	<10
TPH-G:	<0.500
VOCs:	ALL ND

Composite 01-03	
TPH-D:	<10
TPH-MO:	<10
TPH-G:	<0.500
VOCs:	ALL ND
Cr:	23
Ni:	33
Zn:	250

SAN PABLO AVENUE

SIDEWALK

PARKING

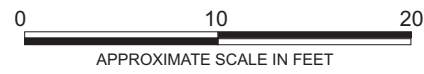
PLANTER

**SOIL
STOCKPILE**

APGAR STREET



Depth:	Boring depth
TPH-D:	Total Petroleum Hydrocarbons as Diesel
TPH-MO:	Total Petroleum Hydrocarbons as Motor Oil
TPH-G:	Total Petroleum Hydrocarbons as Gasoline
PCBs:	Polychlorinated Biphenyls
VOCs:	Volatile Organic Compounds
SVOs:	Semivolatile Organic Compounds
PAHs:	Polycyclic Aromatic Hydrocarbons
Cr:	Chromium
Ni:	Nickel
Zn:	Zinc
ND	Nondetect
Concentrations in micrograms per liter	



DESIGNED BY:	CHECKED BY: JG
DRAWN BY: JG	SCALE:
PROJECT NO:	

SITE DETAILS	
3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA	

DATE: 09/04/2012	FIGURE: 3

TABLE

Table 1
SUMMARY OF SOIL LABORATORY ANALYTICAL RESULTS
3800 San Pablo Avenue

Sample ID	Sample Depth	Concentration, in milligrams per kilogram (mg/kg)													
		TPH-D	TPH-MO	TPH-G	BTEX	OXY	VOCs	SVOCs	PAHs	PCBs	Ca	Cr	Pb	Ni	Zn
T-1-W	10.0 ft	<10	<10	<0.500	ALL ND	ALL ND	ALL ND	ALL ND	ALL ND	ALL ND	<2.0	30	<3.0	40	67
T-1-E	10.0 ft	<10	<10	<0.500	ALL ND	ALL ND	ALL ND	ALL ND	ALL ND	ALL ND	<2.0	27	<3.0	37	100
T-1-N	7.0 ft	<10	<10	0.520	ALL ND	ALL ND	ALL ND	--	--	--	--	--	--	--	--
T-1-S	7.0 ft	<10	<10	<0.500	ALL ND	ALL ND	ALL ND	--	--	--	--	--	--	--	--
SP-1.1-1.3	--	<10	<10	<0.500	ALL ND	ALL ND	ALL ND	--	--	--	<2.0	23	<3.0	33	250

Table Notes:

TPH-D = Total Petroleum Hydrocarbons as Diesel
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil
TPH-G = Total Petroleum Hydrocarbons as Gasoline
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes
OXY = Five oxygenates (TAME, TBA, DIPE, ETBE, & MTBE)
VOCs = Volatile Organic Compounds, includes approximately 54 compounds.
SVOCs = Semi-volatile Organic Compounds, includes Creosote, acenaphthene, and pyrene.
PAHs = Polycyclic Aromatic Hydrocarbons, includes approximately 17 compounds

PCBs = Polychlorinated Biphenyls, includes seven PCB isomers.
Ca = Cadmium
Cr = Chromium (total)
Pb = Lead
Ni = Nickel
Zn = Zinc
<10 : Not detected above the expressed value
ALL ND = No detectable concentrations of analytes
-- = Not analyzed for this analyte.

ATTACHMENT A
UST REMOVAL PERMITS

	COMPLIANCE & ENFORCEMENT DIVISION	Notification Form
		Regulation 8 Rule 40

REMOVAL OF UNDERGROUND STORAGE TANKS OR TREATMENT OF CONTAMINATED SOIL

SITE OF ACTIVITY		
Site Address: 3800 San Pablo Avenue	City & Zip: Emeryville 94608	Site#:
Specific Location of Project within Address: South Side of Building, Underground Tank Removal		
Owner/Operator: San Pablo Avenue Venture c/o Banker Marks and Kirk		
Check any that apply (400 numbers refer to regulation section requiring reporting):		
<input checked="" type="checkbox"/> Tank Removal or Replacement (401)	<input type="checkbox"/> Contaminated Soil Excavation and Removal (402)	
<input type="checkbox"/> Aeration of Soil < 50 ppmw organic content, but does not meet Section 118 Exemption (403)		
<input type="checkbox"/> Section 114 Exempt; Date Pipeline Leak Started: _____ Vol. Of Soil: _____ (403)		
<input type="checkbox"/> Section 115 Exempt; Date Contamination Unrelated to UST Activities Discovered: _____ (405)		
If only Tank Removal is selected, attach results showing soil is not contaminated		

CONTRACTOR INFORMATION		
Name: TEC Inc.	Site Contact: Gino Baldocchi	Phone: 650-616-1206
Address: 262 Michelle Court, South San Francisco, CA 94080		

TANK REMOVAL (Section 401)	
Scheduled Start Date: After 7/23/2012	Number and Size of Tank(s): One tank at 1,000 gallons
Explain Methods of:	
Piping drainage or flushing (310.1) <input type="checkbox"/> No piping _____	
Liquid and sludge removal (310.2) <input type="checkbox"/> Vacuum any product and sludge. _____	
Vapor removal (310.3)	[Check One] <input type="checkbox"/> Water Displacement <input type="checkbox"/> Vapor Freeing* <input type="checkbox"/> Ventilation*
* Emission controls required for vapor freeing or ventilation if tank size greater than 250 gallons.	
COMPLETE INFORMATION BELOW OR ATTACH SAMPLE RESULTS SHOWING SOIL IS UNCONTAMINATED (310.4)	

CONTAMINATED SOIL EXCAVATION AND REMOVAL (Section 402)	
Scheduled Start Date: _____	Scheduled Completion Date: _____
Purpose of Excavation: Remove underground tank, soil sampling by others	
Quantity of Soil: _____	Organic Content & Type: _____
Methods used to quantify and analyze soil: _____	
Method of Stockpile Control (304-306)	
<input type="checkbox"/> Water Spray <input type="checkbox"/> Covered <input type="checkbox"/> Vapor Suppressant (List Material Used): _____	
Method of Site Closure (306)	
<input checked="" type="checkbox"/> Backfilled <input type="checkbox"/> Contaminated Soil Removed	
<input type="checkbox"/> Onsite Treatment (Describe): _____ A/C or P/O #: _____	
Loaded Trucks Covered? (306.2)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

AERATION OF SOIL < 50 PPMW ORGANIC CONTENT (Section 403)
You must submit a Permit Application and Risk Screening Analysis (Forms will be sent to you)

FOR BAAQMD USE ONLY					
Fax/PM Date:	By:	Disp to I#:	Area:	Date:	By:
Inv Req Date:	By:	Fwd to Supv.		Date:	By:

See Page Two to Complete This Form [Press to clear form](#) Approved 7/8/03

OTHER PUBLIC AGENCY CONTACTED (Fire District, Hazardous Materials, City or County)?	
Agency Name: Alameda Co. Environmental Health Dept.	Contact Name: Chris Tougeron
Address: 1131 Harbor Parkway, Suite 240, Alameda, CA 94502	Phone: 510-567-6700

EMERGENCY REMOVAL ORDER APPLICABLE?		
Agency Name:	Contact Name:	
Address:	Phone:	

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GENERAL INFORMATION

- This notification form shall be used to notify the BAAQMD of any projects subject to the reporting requirements in Regulation 8, Rule 40, Sections 401 through 405. Notifications may be faxed to (415) 928-0338 or mailed to the address listed at the bottom of this form.
- An invoice for payment will be sent to the person listed under "Contractor Information" as the person responsible, unless the project is exempt from fee payment (see next item).
- See "Frequently Asked Questions" (FAQ) for definition of projects, change procedures, permit requirements, emergency conditions, project exemptions, and fee exemptions. For any questions not answered in the FAQ, contact the Compliance Assistance Counselor at (415) 749-4999.

INSTRUCTIONS

- SITE OF ACTIVITY:** Give the site street address and indicate if it has any existing BAAQMD site number, for either a plant or GDF. Identify the specific project location if the site contains more than one building. Indicate all applicable activity types by checking appropriate boxes. For reporting requirements under Sections 401 through 403, additional information is required, as below.
- CONTRACTOR INFORMATION:** Identify the contractor that is responsible for performing the work at the site location listed. This contractor is also responsible for payment of the applicable notification fee, if the project is not exempt.
- SECTION 401 - TANK REMOVAL/REPLACEMENT:** All soils disturbed and/or excavated as part of the tank removal shall be subject to the requirements of Sections 304 through 306, unless the soil has been determined not to be contaminated by measurement of organic content using the procedures in Sections 601 and 602. Complete requirements for Section 402 or submit sample results showing that the soil is not contaminated.
- SECTION 402 - CONTAMINATED SOIL EXCAVATION AND REMOVAL:**
 - Be as accurate as possible for the Scheduled Start and Completion Dates. Specific requirements apply for excavation projects triggered within either 45 or 90 days (Reg. 8-40-306.4) and Authority to Construct requirements for projects lasting longer than three months (Reg. 2-1-128.16).
 - If a vapor suppressant is used, attach a product data sheet or MSDS.
 - If Method of Site Closure used is Onsite Treatment, describe specific method, (e.g., bioremediation, vapor extraction, air sparging, thermal desorption, etc.).
 - If Onsite Treatment is used, indicate whether an Authority to Construct was obtained by providing the Application No. or attach copy of BAAQMD Certification of Exemption.
- SECTION 403 - AERATION OF SOIL < 50 PPMW ORGANIC CONTENT:** Section 301 exempts from control the aeration of soil containing less than 50 ppmw of organic compounds, but Section 403 still requires reporting of ANY soil aeration. If such a project does not meet the exemption criteria of Section 118, then a Permit Application and Risk Screening Analysis must be submitted.
- EMERGENCY REMOVAL INFORMATION (IF APPLICABLE):** The rule defines an emergency tank removal or excavation of contaminated soil as "carried out pursuant to an order of a state or local government agency issued because the contaminated soil poses an imminent threat to public health and safety." If the project(s) meet this definition, then identify the agency that issued the order. Under Section 402 requirements, on line two, identify the purpose as indicated in the order.

939 Ellis Street, San Francisco, CA 94109
www.baaqmd.gov

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

ACCEPTED

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

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

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

Any changes or alterations of the plans and specifications must be submitted to this Department and to the Fire and Building Inspections Departments to determine if such changes meet the requirements of State and local laws. Notify this Department at least 72 hours prior to the following required 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 T. O'Connell
510-567-6804

UNDERGROUND STORAGE TANK CLOSURE PLAN

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

1. Name of Business San Pablo Avenue Venture
Business Owner or Contact Person (PRINT) Bill Banker
2. Site Address 3800 San Pablo Avenue
City, State Emeryville, CA Zip 94608 Phone 510-271-0600
3. Mailing Address 1721 Broadway, Suite 202
City, State Oakland, CA Zip 94612 Phone 510-271-0600
4. Property Owner San Pablo Avenue Venture
Business Name (if applicable) San Pablo Avenue Venture
Address 1721 Broadway, Suite 202
City, State Oakland, CA Zip 94612 Phone 510-271-0600
5. Generator name under which tank will be manifested
San Pablo Avenue Venture
EPA I.D. No. under which tank(s) will be manifested C A C 002697306
6. Contractor TEC Inc.
Address 262 Michelle Court
City, State South San Francisco Zip 94080 Phone 650-616-1200
License Type A Haz B C36 C10 C61/D40 ID# 762034

7. Consultant (if applicable) Gribi Associates
Address 1090 Adams Street
City, State Benicia, CA Zip 94510 Phone 707-748-7743
8. Main Contact Person for Investigation (if applicable)
Name James Gribi Title Principle, Geologist
Company Gribi Associates
Phone 707-748-7743
9. Number of underground tanks being closed with this plan 1
Length of piping being removed under this plan 0'
Total number underground tanks at this facility (**confirmed with owner or operator) 1
10. State Registered Hazardous Waste Transporters/Facilities (See Instructions).
 - a) Product/Residual Sludge/Rinsate Transporter
Name LD Transportation, LLC EPA I.D. No. CAR000183152
Hauler License No. DTSC 5071/ 1689442 License Exp. Date _____
Address 875 Cotting Lane, Suite D
City, State Vacaville, CA Zip 95688
 - b) Product/Residual Sludge/Rinsate Disposal Site
Name D/K Dixon EPA I.D. No. CAT080012602
Address 7300 Chevron Way
City, State Dixon, CA Zip 95602
 - c) Tank and Piping Transporter
Name ECL Inc. EPA I.D. No. CAD982030173
Hauler License No. 1533 License Exp. Date 6/30/2012
 - d) Tank and Piping Disposal Site
Name ECL Inc. EPA I.D. No. CAD009466392
Address 255 Parr Blvd.
City, State Richmond, CA Zip 94801
11. Sample Collector
Name James Gribi
Company Gribi Associates
Address 1090 Adams Street
City, State Benicia, CA Zip 94510 Phone _____
12. Laboratory
Name _____
Company SunStar Laboratories, Inc.
Address 25712 Commercentre Drive

City, State Lake Forest, CA Zip 92630

State Certification No. 2250

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

If yes, describe: _____

14. Describe method(s) to be used for rendering tank(s) inert:

Dry Ice

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)		
1,000	Gasoline & Heating Oil, Date last used: Unknown	Soil	3' under tank

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.

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)		
1,000	Used Motor oil storage, Date last used: Unknown	Soil	3' under tank

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	
Stockpiled Soil Volume (estimated)	Sampling Plan
None	

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 Safety Issue

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
Gasoline	8260	8260	
TPH-G	"	"	1.0 mg/kg
BTEX	"	"	0.005 mg/kg
Oxygenates	"	"	0.005 mg/kg
Pb Scavengers	"	"	0.005 mg/kg
Heating Oil	8015M (TPH-D)	8015M (TPH-D)	1.0 mg/kg
SEE ATTACHED ANALYSES DOCUMENT			

17. Submit Site Health and Safety Plan (See Instructions)
18. Submit Worker's Compensation Certificate copy
 Name of Insurer Travelers Indemnity
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 TEC Inc.

Name of Individual Gino Baldocchi

Signature ORIGINAL SUBMITTAL SIGNED ON 6/26/2012 Date _____

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Check one)

Name of Business San Pablo Avenue Venture

Name of Individual Bill Banker

Signature William H Banker Date 07/10/2012

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. Construction site shall limit access to authorized personnel.
3. No washing/cleaning/rinsing of any tank or tank components shall occur in the excavation. All activities shall be performed on impervious surface (plastic).
4. All liquids/rinsate removed from the UST shall be properly disposed of under hazardous waste manifest with disposal method/location approved by ACEH prior to disposal.
5. 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 removal.
6. Soil sampling shall take place immediately upon removal of the UST and associated components (piping). Sampling activities and sampling locations shall be witnessed and approved by ACDEH.
7. All stockpiled backfill/soil shall be placed on plastic tarp and covered to prevent runoff.
8. All stockpiled backfill/soil shall be properly sampled and disposal method/location approved by ACEH prior to disposal. Any backfill that is placed back into excavation and later determined to be contaminated shall be removed.
9. All equipment previously in contact with petroleum shall be properly disposed or cleaned.
10. All equipment previously in contact with petroleum shall be placed on a plastic tarp and covered.
11. UST closure report, containing all relevant data (disposal manifests, certification of recycling, sample analysis, etc) shall be submitted to ACDEH within 30 days.

TABLE #2
REVISED 21 NOVEMBER 2003

RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

<u>HYDROCARBON LEAK</u>	<u>SOIL ANALYSIS</u> (SW-846 METHOD)	<u>WATER ANALYSIS</u> (Water/Waste Water Method)
Gasoline (Leaded and Unleaded)	TPHG 8015M or 8260 BTEX 8260 EDB and EDC 8260 MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water TOTAL LEAD AA --Optional-- Organic Lead DHS-LUFT	TPHG 8015M or 524.2/624 (8260) BTEX 524.2/624 (8260) EDB and EDC 524.2/624 (8260) TOTAL LEAD AA Organic Lead DHS-LUFT
Unknown Fuel	TPHG 8015M or 8260 TPHD 8015M or 8260 BTEX 8260 EDB and EDC 8260 MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water TOTAL LEAD AA --Optional-- Organic Lead DHS-LUFT	TPHG 8015M or 524.2/624 (8260) TPHD 8015M or 524.2/624 (8260) BTEX 524.2/624 (8260) EDB and EDC 524.2/624 (8260) TOTAL LEAD AA Organic Lead DHS-LUFT
Diesel, Jet Fuel, Kerosene, and Fuel/Heating Oil	TPHD 8015M or 8260 BTEX 8260 EDB and EDC 8260 MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water	TPHD 8015M or 524.2/624 (8260) BTEX 524.2/624 (8260) EDB and EDC 524.2/624 (8260)
Chlorinated Solvents	CL HC 8260 BTEX 8260 or 8021 1,4-Dioxane 8270M	CL HC 524.2/624 (8260) BTEX 524.2/624 (8260) or 502.2/602 (8021) 1,4-Dioxane 8270M
Non-chlorinated Solvents	TPHD 8015M or 8260 BTEX 8260 or 8021	TPHD 8015M or 524.2/624 (8260) BTEX 524.2/624 (8260) or 502.2/602 (8021)
Waste, Used, or Unknown Oil	TPHG 8015M or 8260 TPHD 8015M or 8260 O&G 9070 BTEX 8260 CL HC 8260 1,4-Dioxane 8270M EDB and EDC 8260 MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water METALS (Cd, Cr, Pb, Ni, Zn) by ICAP or AA for soil water PCB*, PCP*, PNA*, CREOSOTE by 8270 for soil and 524/625 (8270) for water If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)	TPHG 8015M or 524.2/624 (8260) TPHD 8015M or 524.2/624 (8260) O&G 418.1 BTEX 524.2/624 (8260) CL HC 524.2/624 (8260) 1,4-Dioxane 8270M EDB and EDC 524.2/624 (8260)

NOTES:

1. 8021 replaces old methods 8020 and 8010
2. 8260 replaces old method 8240
3. Reference: Table B-1 in Appendix B of "Expedited Site Assessment Tools for Underground Storage Tank Sites: A Guide for Regulators" (EPA 510-B-97-001).

Scope of Work Underground Tank Removal

3800 San Pablo Avenue, Emeryville

1. Obtain permits from Alameda County Department of Environmental Health (CUPA) and City of Emeryville. Prepare site specific health and safety plan per OSHA guidelines. Give to workmen on site for their use during the project.
2. Mark out area to be excavated in white paint per State law for USA to mark the underground utilities. USA to be notified 3 days in advance of excavating.
3. Remove all product from tank by pumping. Recycle product or dispose as hazardous waste.
4. Inert the UST with 25 pounds of dry ice per 500 gallons. The dry ice inerts the tank by displacing oxygen out through the openings in the top of the tank.
5. Check the tank with a Gastech LEL monitor for the presence of flammable vapors and oxygen. If the LEL is below 10% and the oxygen below 10%, the tank can be safely removed from the tank pit.
6. Remove the concrete sidewalk sections above the tank. Excavate existing soil/gravel from the pit to allow complete removal of the tank. Remove the tank. Place the tank on plastic sheet to allow inspection.
7. Obtain soil samples from the excavation as directed by CUPA.
8. Backfill excavation with existing soil if clean and Class II base rock to finish grade. Install concrete to restore sidewalk to match existing.
9. Haul tank to ECI in Richmond, CA under a hazardous waste manifest.
10. ECI in Richmond may steam clean the tank and scrap it.

EMERYVILLE BUILDING PERMIT
CITY OF EMERYVILLE, 1333 PARK AVENUE, EMERYVILLE, CA 94608 PHONE (510) 596-4310 FAX (510) 450-7812

Applicant (Contact person): GENARO BARRON
Address: 707 HUGHVILLE CT
City, State, Zip: San Francisco CA 94608
Phone: (415) 616-1700
Engineer or Architect: _____
Address: _____
City, State, Zip: _____
Phone: _____ **Lic. No.:** _____
Contractor: TJC INC
Address: 707 HUGHVILLE CT
City, State, Zip: SAN FRANCISCO CA 94608
Phone: (415) 616-1700 **Lic. No.:** _____

LICENSED CONTRACTOR'S DECLARATION:
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
LICENSE CLASS: IS - CIVIL PUBLIC NO. 762034
DATE: 4/20/12 **CONTRACTOR:** TJC INC

OWNER-BUILDER DECLARATION:
I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis of the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).
() I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or herself or through his or her own employees provided that the improvements are not offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)
() I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of a property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractors' State License Law.)
() I am exempt under Sec. _____, B & P.C. for this reason: _____

WORKERS' COMPENSATION DECLARATION:
I hereby affirm under penalty of perjury one of the following declarations:
() I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
(x) I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are: TEARFLEX INC, Policy No. DTUBB 264276-11
I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY:
I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).
Lender's Name: _____
Lender's Address: _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent: [Signature] **Date:** _____

SITE ADDRESS: 3800 SAN PABLO AVE.
Property Owner (if known): SAN PABLO AVENUE VENTURE
Phone: 510-271-0600
Use and Occupancy Group: _____
Type of Construction: _____
Identify Description of Work:
REMOVE UNDERGROUND TANK

VALUATION OF PROPOSED WORK: \$ 9,200
(Include all labor and materials, all lighting, heating, ventilation, plumbing, electrical, fire sprinklers, elevator equipment, wall finishes, and case-work.)

DOCUMENTS SUBMITTED (Circle all that apply):
 DRAWINGS **PRODUCT INFORMATION**
 STRUCTURAL CALCS. **SPECIFICATIONS**
 ENERGY CALCS. **OTHER**

THIS PERMIT SHALL COVER (Circle all that apply):
 BUILDING **SIGN** **FIRE ALARM**
 PLUMBING **DEMO** **FIRE SPRINKLER**
 ELECTRICAL **GRADING** **CEILING/TIMBER**
 MECHANICAL **POOL/SPA** **OTHER:** _____

Do not write below this line

PERMIT NUMBER: 822-1110

Assessor's Parcel Number: 211 0152 07 00

Application Received By: [Signature] **Date:** _____

Application Issued By: [Signature] **Date:** 7/22/12

APPROVALS:
Planning: _____ **Date:** _____
Fire: [Signature] **Date:** 7/24/12
Public Works: _____ **Date:** _____
Environmental: _____ **Date:** _____
Police: _____ **Date:** _____
Building: [Signature] **Date:** 7/20/12
Other: _____ **Date:** _____

LIMITATIONS OR CONDITIONS: _____

FEES:
General Plan Maintenance Fee: 110
Building Standards Admin. Fund (SB 1471): 110
Technology: 15
Plan Check: 110
Energy Plan Check: _____
Building: 116
Plumbing: _____
Electrical: _____
Mechanical: _____
Strong Motion Instrumentation Program: 110
Microfiche: 116
Fire: _____
Sewer Connection: _____
Traffic Impact: _____
School: _____
Other: _____
TOTAL: 1176 117.04
11671

BUILDING DIVISION

CITY OF EMERYVILLE

Date 7.26.2012 Permit #: B2012-0106

Address 3800 San Pablo Ave

Work remove underground storage tank

Owner San Pablo Ave Venture

Contractor TEC Inc.

By Christy Baum Building Staff

Expiration Date: 7.26.2013

DO NOT CONCEAL OR COVER ANY WORK UNTIL INSPECTED AND APPROVED BY THE CITY BUILDING INSPECTOR.

	DATE	INSPTR.
Piers & Setbacks		
Forms		
Foundation		
Slab		
Sub-Floor		
Ground Plumbing		
Ground Electrical		
Sub-Floor Insulation		
Shear Nailing		
Sewer		
Water		
Roof Sheathing		
Rough Electrical		
Rough Plumbing		
Rough Mechanical		
T-Bar		
Frame		
Exterior Lath		
Insulation		
Drywall (Fire Resistive Assembly)		
Gas Test		
Temporary Certificate of Occupancy		
Final Mechanical		
Final Electrical		
Final Plumbing		
Final Building		
Fire Sprinkler		
Fire (Other) <u>UG-ST pull</u>	<u>8/2/12</u>	<u>SW</u>
PUBLIC WORKS (510) 596-4334:		
Const. site erosion control measures		
Final Permanent treatment erosion control measures		
Sanitary sewer pipe placement		
Final Sanitary sewer		
Storm drain pipe placement		
Final Storm drain		
Waste Management Plan (510) 596-3795		

BUILDING INSPECTION REQUEST (510) 596-4315
CALL 24 HRS PRIOR TO INSPECTION
 OFFICE - (510) 596-4310
 FOR FIRE INSPECTION CALL (510) 596-3759



City of Emeryville • Department of Public Works

Encroachment Permit

APPLICANT TEC Inc.
 CONTACT PERSON GINDY BALDORCHI
 ADDRESS 262 MICHELLE CT. SEF
 PHONE 650-616-1206
 FAX 650-616-1244
 OWNER/DEVELOPER OF FACILITIES
SAN PABLO AVENUE VENTURE
 ADDRESS 1721 BROADWAY #202, OAKLAND
 PHONE 510-271-0600
 FAX

CONTRACTOR PERFORMING WORK
TEC INC.
 CONTACT PERSON GINDY BALDORCHI
 ADDRESS 262 MICHELLE CT. SEF
 PHONE 650-616-1206 FAX 650-616-1244
 LICENSE NO. 762034 CLASS A #A2B C
 Yes No CURRENT CITY BUSINESS LICENSE ON FILE
 Yes No PROVIDE PROOF OF INSURANCE
 EST. START DATE 7/24/12 EST. COMPLETION DATE 8/5/12 EST. COST IN CITY R/W 15,000

LOCATION OF WORK 3800 SAN PABLO AVE 99' BLDG ON ENVADE APGAR STREET
 CHECK ALL THAT APPLY
 Traffic Control Survey Sidewalk Detour Dumpster Temporary No Parking
 Private Facilities on Public Right of Way Construction Sidewalk Driveway Approach Curb & Gutter Pedestrian Ramp Water Service Gas Service Electric Service Roof Drain Utility Maintenance Fence Excavation Obstruction Access Road Monitoring Well Sewer Lateral Storm Drain Crane Block Party
 FULLY DESCRIBE PROPOSED WORK WITHIN CITY RIGHT-OF-WAY (additional space on reverse if needed):
 Attach 3 complete sets of plans 8 1/2 X 11, if applicable.

SEE ATTACHED SCOPE OF WORK TO REMOVE 1000 gal. UNDERGROUND STORAGE TANK

I hereby agree to protect and indemnify the City of Emeryville and hold it harmless in every way from all claim or suits for injury or damage to persons or property as set forth in the Standard Provisions. I agree not to begin construction until all materials to be used are on hand; to perform all work in accordance with the plans submitted (if any), the Standard Provisions to Encroachment Permit, and all applicable Special Conditions of Approval, and to pay all inspection and engineering costs in addition to those paid at the time of issuance of this permit. I further agree to complete the work to the satisfaction of the City Engineer and if for any reason the City of Emeryville is required to complete this work, I will pay all costs for such work.
 Applicant Signature Joe Pugh Date 7/17/12
 After final inspection is approved, please contact the Public Works Department at 510-596-4330 to determine final cost, and for final payment or reimbursement of deposit.

Permit No. <u>21001236</u> Date <u>7-17-12</u>
Application Fee.....\$ <u>167</u>
Long Term Permit Fee, Beyond 30 days \$
"No Parking Signs" Qty Total.....\$
Permit Inspection Deposit (2 hr. min.)...\$ <u>202</u>
Cost Recovery Estimate.....\$
Arborist Recovery Estimate.....\$
Required Security Deposit:
<input checked="" type="checkbox"/> \$1,000 cash.....\$ <u>1000</u>
<input type="checkbox"/> \$10,000 Bond, Bond #
<input type="checkbox"/> 100% Perf. Bond,
Bond Value: Bond #
Total Payment Required.....\$ <u>1369</u>
Received: <u>DW</u> Date <u>7/17/12</u>
Receipt # <u>03-16842</u>
Failure to obtain approval of a Final Inspection of the work covered by this Encroachment Permit within one (1) year of the estimated completion date shall result in the loss of the security deposit which shall be retained by the City of Emeryville.

STANDARD PROVISIONS TO ENCROACHMENT PERMIT

City of Emeryville (10/00)

These Standard Provisions are attached and incorporated into the Encroachment Permit, which is issued in accordance with Title 7 of the Emeryville Municipal Code. The City of Emeryville grants permission to Permittee and its agents to enter upon the public right of way to perform such work as described in the application, subject to the conditions set forth in the Encroachment Permit, including these Standard Provisions. Permittee agrees that doing any work under this Encroachment Permit constitutes acceptance of the provisions of this Permit. All work performed in the City right of way shall conform to the City's standards of construction, including the attached Standard Specifications.

1. **Property.** This Permit is limited to the area set forth in the application, subject to all existing licenses, easements, encumbrances, leases and claims of title.
2. **Purpose.** Permittee certifies that it has the legal authority to occupy and use the public right of way for the purpose stated in the application. This nonexclusive and temporary Permit is limited to the purpose stated in the application. Any installation or operation of facilities in the public right of way requires an Encroachment Agreement from the City. Neither this Permit or any work done by Permittee shall create a vested right of Permittee to utilize the public right of way. If any prior encroachment permit conflicts with the proposed work, Permittee shall arrange for any necessary removal or relocation with the prior permittee if willing at no expense to the City.
3. **Term.** The term of this Permit is as set forth on the application. This Permit shall be void if construction is not begun within thirty (30) days of the date of the Permit. This Permit is revocable immediately upon notice by the City. Upon revocation or expiration, Permittee shall suspend all activity on the Property immediately and will be responsible for the repair of any damage to the Property caused by Permittee, as directed by City.
4. **Permit on Site.** Permittee shall keep this permit on site at all times that work is occurring and shall provide the permit upon demand of a City representative. Work may be suspended if the Permit is not at the job site.
5. **Notice Prior to Starting Work.** Before starting work under this Permit, Permittee shall notify the designated City representative two (2) working days prior to the initial start of work. When work has been interrupted for more than five (5) working days, an additional 24-hour notification is required.
6. **Underground Service Alert.** Permittee shall contact the Underground Service Alert (1-800-642-2444) prior to doing any excavation work to determine the existence of any underground facilities. Permittee should not rely on the absence of markers as a guarantee of no underground facilities.
7. **Inspection.** All work is subject to the City's monitoring, inspection and approval. Permittee shall be billed for inspection time at the current hourly rate in the City's Fee Schedule, with a minimum of 2 hours.
8. **Work Conditions.**
 - a. Work may only be undertaken between the hours of 7:00 a.m. to 6:00 p.m. Monday through Friday.
 - b. Permittee shall provide a sign with the name of the contractor and 24-hour contact person that is visible from the work area to persons on the right of way.
 - c. Permittee shall keep the area clean, safe and orderly at all times and shall not use the public right of way as a storage area when work is not proceeding.
 - d. Permittee shall comply with the requirements of the Alameda County NPDES permit, Best Management Practices established by the Alameda County Urban Runoff Clean Water Program and the Stormwater Pollution Prevention and Control Measures to prevent construction water, debris or groundwater from entering the storm drains.

*105 lbs
Lamp Black
[Signature]*

FOR CITY USE ONLY	Temporary Permit # _____ days	Long Term Permit
The following documents are attached and incorporated into this permit and have been given to the applicant: <input checked="" type="checkbox"/> Standard Provisions to Encroachment Permit <input type="checkbox"/> Special Conditions of Approval <input type="checkbox"/> City Standard Details (List Details) <input type="checkbox"/> Handout/Urban Runoff BMP's <i>1/2 lamp black for cubic yard of concrete</i> <input type="checkbox"/> Other _____ Remarks _____		
<input type="checkbox"/> 48 HOUR NOTICE PRIOR TO START OF WORK. <input type="checkbox"/> PROVIDE CONSTRUCTION SCHEDULE 5 DAYS PRIOR TO START OF WORK <input type="checkbox"/> AS-BUILT PLANS REQUIRED <input checked="" type="checkbox"/> PLEASE CALL FOR INSPECTION AT 510-596-4333 <i>Dennis 510-455-7286</i> <input type="checkbox"/> PLEASE NOTIFY POLICE (510-596-3700) AND FIRE (510-596-3750) 24 HOURS IN ADVANCE. This permit is void unless the work is completed before _____, 20____. This permit is to be strictly construed and no other work than is specifically mentioned is hereby authorized. APPROVED <i>[Signature]</i> TITLE <i>City Eng</i> DATE <i>7/17/12</i> FINAL INSPECTION APPROVED _____ TITLE _____ DATE _____		

- e. If the work contemplated will interfere with established drainage, Permittee shall make provision for drainage as acceptable to the City.
 - f. No hazardous materials shall be handled at any time on the Property. Should any discharge, leakage, spillage, emission or pollution of any type occur upon or from the Property due to Permittee's use and occupancy of the Property, then Permittee, at its sole cost, shall clean all affected property to the satisfaction of the City and any governmental body with jurisdiction.
 - g. If hazardous materials are encountered during the excavation under this Permit, then Permittee shall immediately notify the City and properly dispose of such materials in full accordance with federal, state and local laws. Such disposal shall be at Permittee's sole cost and shall be under Permittee's EPA Generator number.
 - h. Open trenches and holes shall be satisfactorily covered at all times when Permittee's forces are not working in the vicinity. No trench shall be left open at the end of a work day unless steel plated in accordance with the Department's standards.
 - i. Permittee certifies that all material to be used in the work, including material for the restoration of the public right of way, is on hand and ready to use prior to beginning work.
 - j. Permittee shall commence work at no cost or expense to Owner and Permittee waives all claims for indemnification or contribution from the City for such work. All work shall be done in a good and workerlike manner that does not interfere with the City's operations.
 - k. Any Mechanic's Liens filed on account of the work performed by Permittee hereunder shall be promptly cured by Permittee's payment thereof and the recording of applicable Release of Mechanic's Liens, or Permittee shall post a statutory mechanic's lien release bond in lieu thereof within seven (7) days after the filing of each such Mechanic's Lien.
9. Traffic Control Measures. Permittee shall provide appropriate vehicular, pedestrian and bicycle traffic control measures.
- a. Where facilities exist, a minimum sidewalk and bikepath width of four (4) feet shall be maintained at all times for safe passage through the work area. At no time shall pedestrians be diverted onto a portion of the street used for vehicular traffic. At locations where adjacent alternate walkways cannot be provided, appropriate signs and barricades shall be installed at the limits of the construction site and in advance of the closure of the nearest crosswalk or intersection to divert pedestrians across the street. Access shall be maintained for persons with disabilities.
 - b. All work shall be planned and carried out so that there is least possible inconvenience to vehicular traffic, including deliveries to adjacent properties. Warning signs, lights and safety devices and other measures shall conform to the requirements of the Manual of Traffic Controls issued by Caltrans. Traffic control for day or nighttime lane closures (if nighttime work is permitted) shall be in conformance with the Caltrans Standard Plans for Traffic Control Systems. The Permittee is authorized to place properly attired flagger(s) to stop and warn traffic. Traffic shall not be unreasonably delayed. Flagging procedures shall be in conformance with the latest edition of the Instructions to Flaggers pamphlet and/or Manual of Traffic Controls for Construction and Maintenance Work Zones issues by Caltrans.
10. Compliance with Laws. Permittee shall obtain and maintain all permits and approvals required for the activities under this Permit and shall comply with all laws now in effect or that become effective during the term of this Permit, including but not limited to those related to employee and work site health and safety, construction, grading, signage, noise, environmental protection, hazardous materials, waste disposal, water and air quality and accessibility (Americans with Disabilities Act and Title 24 of the California Code of Regulations). Permittee shall comply with the requirements set forth in the Emeryville Municipal Code and the latest orders, rules, regulations and standards of the Emeryville Department of Public Works, including standards for restoration and backfilling of excavations.

11. Restoration and Completion of Work.

- a. Prior to completion of the work, Permittee shall request that the City conduct a final inspection.
- b. If the work is not completed within the time required or is not acceptable, then the Public Works Director shall notify Permittee in writing. Within forty-eight hours of such notice, Permittee shall restore the work so it meets the requirements of this chapter, including and permit conditions, and remedies all deficiencies including subsurface material or pavement becoming depressed, broken or otherwise failing. If Permittee fails to do the restoration or backfilling work after such notice, then the City may undertake such work at the expense of Permittee. The City's determination of the cost of the work performed shall be final.
- c. If Permittee fails to compensate the City with five (5) business days of notification, then the City can take whatever actions are necessary to recover its damages, costs and expenses, including but not limited to withholding the amount due with payment made from the performance deposit or any remaining administrative or inspection fee amount or commencing an action against the bond.
- d. The City's repair or restoration shall not relieve Permittee from liability at the site of the repair or restoration including but not limited to future failures.
- e. The City may undertake the incomplete or inadequate restoration or repair work at Permittee's cost without notification to Permittee, if the City has determined that there has been a violation of any condition of the permit; that an excavation constitutes a hazardous situation, public nuisance, public emergency or threat to the public health, safety or welfare; or it is in the City's best interests.
- f. Any monuments removed during the work shall be replaced. Each visible facility in the public right of way shall be clearly identified with the name of the owner of the facility.
- g. At the completion of the work, all brush, timber, scraps, material and the like shall be entirely removed and the right of way left in a like new condition.
- h. As-built plans shall be provided to the City prior to the City's release of any deposit or security required by this Permit, as specified on the Permit. Permittee shall also provide City at no cost with a copy of any data, studies or surveys conducted on the Property.

12. Warranty.

- a. Permittee warrants all work for two (2) years following completion and acceptance as conforming to all requirements of this Agreement, requirements of the Emeryville Municipal Code and standards of the Emeryville Public Works Department; to fulfill its design functions and be fit for its ordinary and intended purposes; to be free from all patent and latent defects in design, materials and workmanship; and to perform satisfactorily.
- b. Permittee shall be responsible for continual inspection of the work during the warranty period to ensure that if deficiencies arise in the work, such as subsurface material or pavement becoming depressed, broken or otherwise failing, that these deficiencies will be remedied immediately. Any other deficiencies in the work shall be remedied within forty-eight hours of notification by the Public Works Department.
- c. If the deficiencies are not remedied, then the City shall repair or restore, or cause to be repaired or restored, such deficiencies in such manner as the Director of Public Works deems expedient and appropriate at the expense of Permittee. The Director of Public Work's determination of the cost of the repair or restoration performed shall be final. If Permittee fails to compensate the City with five (5) business days of notification, then the City can take whatever actions are necessary to recover its damages, costs and expenses, including but not limited to withholding the amount due with payment made from any performance deposit or any remaining administrative or inspection fee amounts, commencing an action against the bond.
- d. Repair or restoration by the City shall not relieve Permittee from any and all liability at the site of the repair

or restoration including but not limited to future failures.

- e. The City may undertake the restoration or repair work at the expense of Permittee without notifying Permittee, if the City has determined that a person has violated this chapter or any condition of the permit; that an excavation poses a hazardous situation or constitutes a public nuisance, public emergency or threat to the public health, safety or welfare; or it is in the City's best interests.

13. Assumption of Risk and Releases. Each person entering upon the Property under this Permit shall do so at its own risk. On behalf of itself and its agents, representatives, assigns, heirs, spouses, successors-in-interest, executors, administrators, employees and contractors ("Releasees"), Permittee assumes all risk of entering the Property and agrees that the City of Emeryville and Emeryville Redevelopment and their officers, agents, employees and volunteers are released and shall not be liable in any manner for injury to or death of Permittee or its respective officers, employees or agents or to damage to property of Permittee arising from any cause. This release applies to all potential future claims and the Releasees agree to waive any and all rights pursuant to Section 1542 of the California Civil Code, which reads as follows:

"A general release does not extend to claims that the creditor does not know or suspect to exist in his favor at the time of executing the release, which if known by him must have materially affected his settlement with the debtor."

14. Indemnification. Permittee agrees that City shall not be liable for any bodily injury, sickness, disease or death of any person or damages to any property or any person pursuant to this Permit and that Permittee shall be responsible for any liability, cost, expenses or claim associated with injuries to or death of any person or damage to property related directly or indirectly to any act or failure to act arising from the activities under this Permit. Permittee agrees to indemnify, defend and hold harmless City and its officers, agents, volunteers and employees (collectively, the Indemnitees), from any and all actions, claims and liability for any loss or damage, including, but not limited to, bodily injury, sickness, disease or death of any person or damage to any property, tangible or intangible, resulting from the execution of this Permit or the entry upon the Property, and from all costs and expenses, including reasonable attorneys' fees, arising therefrom, except for any claim arising from the sole negligence or willful misconduct of City. This indemnification shall survive termination of this Permit.

15. Liability Insurance. Permittee, and its contractor and subcontractors, shall maintain at all the following insurance policies with insurers having an A.M. Best's rating of no less than A:VII:

- a. Commercial General Liability Insurance for damage or injury in an amount not less than One Million Dollars (\$1,000,000) combined single limit bodily injury and property damage liability per occurrence, or the current limit of liability carried, whichever is greater, for the operations of Permittee under this Permit. This liability insurance shall include automobile liability, personal injury and contractual liability. The City of Emeryville and its officers, agents, volunteers and employees shall be named by endorsement as additional insureds on the policy.
- b. Worker's Compensation Insurance as required by the State of California and Employer's Liability Insurance in an amount not less than One Million Dollars (\$1,000,000) per accident. The insurer shall waive all rights of subrogation against Indemnitees for losses arising from work performed under this Permit.
- c. Each policy or certificate of insurance acquired pursuant to this section must state, by endorsement, (i) that not less than thirty (30) days' written notice will be given to City prior to cancellation or material change in coverage; and (ii) that such policy or policies and the coverage evidenced thereby are primary and City's insurance is noncontributing with respect to such primary coverage.

16. Facilities. The installation of facilities in the public right of way requires an Encroachment Agreement from the City in addition to an Encroachment Permit.

- a. Any facilities being installed in the Property shall be kept in good and safe condition and free from any nuisance to the satisfaction of the Director of Public Works.
- b. Within thirty (30) days of receipt of a written request from the City, Permittee shall relocate its facilities at

its sole cost and expense if the facility interferes with a project of the City of Emeryville or Emeryville Redevelopment Agency. Within thirty (30) days of receipt of a written request from the City, Permittee shall at its sole cost and expense locate any subsurface facility by potholing when required by the City for the purpose of confirming the location of existing facilities in order to design or construct public facilities.

- c. Whenever a facility is abandoned in the right of way, the person owning, using, controlling or having an interest in the facility shall within thirty (30) days after such abandonment file a statement in writing with the Department of Public Works, including a detailed description of the facility's location, including a map and/or plans. If the facility is not occupied within one (1) year from the date of final inspection or is occupied then no longer occupied for one (1) year, then the facility shall be deemed abandoned. Substructures shall be considered occupied so long as there are active facilities in at least one of the ducts of the substructure. Upon abandonment, the City may require the facility to be removed by the owner at its own expense or at the City's discretion, all or part of the facility may be abandoned in place with ownership deemed to be transferred to and vested in the City at no cost.

17. Fees. Permittee certifies that neither it nor the owner of any facilities to be installed, used or repaired in the public right of way are subject to any outstanding City assessments, fees, penalties or charges. Issuance of this Permit is conditioned upon payment of the application fee, inspection fee, performance security and any other applicable fees or security.

18. Business License. Permittee and/or contractor shall maintain a current business license in the City of Emeryville as applicable.

19. Assignment. Permittee shall not assign or otherwise transfer any rights under this Permit and any purported assignment or transfer shall automatically revoke this Permit.

20. No Dedication; Possessory Interest Tax. Nothing contained in this Permit shall be deemed a gift or dedication of any portion of the Property to or for the general public or for any public purpose whatsoever. This Permit shall not be construed to grant any real property interest or other rights to Permittee in the Property. However, if it is deemed that this Permit creates an interest subject to the possessory interest tax, then Permittee is responsible for payment of such tax.

21. No Precedent Established. This Permit is issued with the understanding that any particular action is not to be considered as establishing any precedent, including as precedent for the expediency, utility or authority of any kind of encroachment. This Permit constitutes the entire agreement between City and Permittee pertaining to entry and work upon the Property.

22. No Waiver. No waiver of any default or breach of any condition or term of this Permit shall be implied from any omission to take action on account of such default or breach.

23. Governing Law; Attorneys' Fees. This Permit shall be construed and enforced in accordance with and governed by the laws of the State of California. In the event that either party institutes any action, suit or other dispute resolution proceeding based on this Permit against the other party, the prevailing party is entitled to receive all costs and expenses, associated therewith including but not limited to reasonable attorneys' fees and courts costs.

W:\PBWKS\encroachment permits\standard provisions to encroachment permit.wpd

ATTACHMENT B
SITE PHOTOGRAPHS



PHOTO 1: UST EXCAVATION CAVITY PRIOR TO REMOVAL, LOOKING WEST TOWARDS SAN PABLO AVENUE.



PHOTO 2: PREPARING TO CLEAN UST PRIOR TO LOADING ONTO TRUCK.



PHOTO 3: LOADING UST ONTO FLATBED TRUCK. SOIL STOCKPILE IS ON LOWER LEFT SIDE OF PHOTO.



PHOTO 4: UST EXCAVATION CAVITY LOOKING EAST FROM WEST END OF EXCAVATION.

ATTACHMENT C
WASTE DISPOSAL MANIFESTS

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: **CAC 002 697 306**

2. Page 1 of **1**

3. Emergency Response Phone: **510-476-1740**

4. Manifest Tracking Number: **007270230 JJK**

5. Generator's Name and Mailing Address: **San Pablo Ave Venture, 1721 Broadway, STE 202, Oakland, CA 94612**

Generator's Site Address (if different than mailing address): **San Pablo Ave Venture, 3800 San Pablo Ave, Emeryville, CA 94608**

Generator's Phone: **510-271-0600**

6. Transporter 1 Company Name: **ICON Environmental Services, Inc.** U.S. EPA ID Number: **CAL0009629804**

7. Transporter 2 Company Name: **KW Industrial, Inc.** U.S. EPA ID Number: **CAL000274283**

8. Designated Facility Name and Site Address: **Cosby Overton, 1530 W. 25th St, Long Beach, CA 90813** U.S. EPA ID Number: **CAD003409019**

Facility's Phone: **562-432-5445**

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			
X	UN1993 Waste Flammable Liquid, N.D.S. 3, PGII (Gas & Water)					
		004	TP	0825		D018

14. Special Handling Instructions and Additional Information: **Wear PPE, ERG 152, Emergency Contact, Charge Station 510-476-1740, 85118 D68307**

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/Offor's Printed/Typed Name: **James C. Buchholz** Signature: *James C. Buchholz* (in lieu of generator) Month: **7** Day: **31** Year: **12**

16. International Shipments: Import to U.S. Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: **MIKE STONE** Signature: *Mike Stone* Month: **07** Day: **30** Year: **12**

Transporter 2 Printed/Typed Name: **Lisa U Roblu** Signature: *Lisa U Roblu* Month: **10** Day: **31** Year: **12**

18. Discrepancy

18a. Discrepancy Indication Space: Quantity Type Residue Partial Rejection Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number: _____

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. **H141** 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: **J Bellera** Signature: *J Bellera* Month: **08** Day: **02** Year: **12**

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CA0002687308	2. Page 1 of	3. Emergency Response Phone 800-321-6340	4. Manifest Tracking Number 002135974 JJK			
5. Generator's Name and Mailing Address SAN PABLO AVE VENTURE 1771 BROADWAY STE 200 OAKLAND, CA 94612 Generator's Phone: 510-274-0801				Generator's Site Address (if different than mailing address) 3900 SAN PABLO AVE EMERYVILLE, CA 94808				
6. Transporter 1 Company Name EIGHTEEN TRUCKING CO				U.S. EPA ID Number CA0000184780				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address ECOTOXIC CONTROL INDUSTRIES 255 PARR BOULEVARD RICHMOND, CA 94801 Facility's Phone: 510-235-1300				U.S. EPA ID Number CA0000000000				
GENERATOR	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-FLORA HAZARDOUS WASTE SOLID (EMPTY STORAGE TANK)	001	TP	500	P	612	
		2.			0			
		3.			0			
	4.			0				
14. Special Handling Instructions and Additional Information ECL JOB #02T4334 TANK # 34350 WEAR PROPER PPE WHEN HANDLING # WEIGHTS AND VOLUMES ARE APPROXIMATE								
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.								
Generators/Offeror's Printed/Typed Name <i>Carroll Industries Inc</i>					Signature <i>[Signature]</i>	Month 8	Day 5	Year 2002
TRANSPORTER INTL	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 <i>[Name]</i>					Signature <i>[Signature]</i>	Month 8	Day 9	Year 02
Transporter 2 Printed/Typed Name					Signature	Month	Day	Year
DESIGNATED FACILITY	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							
	18b. Alternate Facility (or Generator)				Manifest Reference Number: _____ 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. _____		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	Month	Day	Year

ATTACHMENT D

**LABORATORY DATA REPORTS AND
CHAIN OF CUSTODY RECORDS**



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

15 August 2012

Jim Gribi
Gribi Associates
1090 Adam Street, Suite K
Benicia, CA 94510
RE: Maz Glass

Enclosed are the results of analyses for samples received by the laboratory on 08/10/12 10:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wendy Hsiao For Daniel Chavez
Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Maz Glass
Project Number: [none]
Project Manager: Jim Gribi

Reported:
08/15/12 17:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T-1-W	T121358-01	Soil	08/09/12 10:45	08/10/12 10:15
T-1-E	T121358-02	Soil	08/09/12 10:55	08/10/12 10:15
T-1-S	T121358-03	Soil	08/09/12 11:00	08/10/12 10:15
T-1-N	T121358-04	Soil	08/09/12 11:05	08/10/12 10:15

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Wendy Hsiao For Daniel Chavez, Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Gribi Associates Project: Maz Glass
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

T-1-W
T121358-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C13-C28 (DRO)	ND	10	mg/kg	1	2081007	08/10/12	08/13/12	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl	135 %	65-135	"	"	"	"	"	"	

Metals by EPA 6010B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium	ND	2.0	mg/kg	1	2081010	08/10/12	08/13/12	EPA 6010B	
Chromium	30	2.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Nickel	40	2.0	"	"	"	"	"	"	
Zinc	67	1.0	"	"	"	"	"	"	

Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PCB-1016	ND	10	ug/kg	1	2081008	08/10/12	08/13/12	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	54.4 %	35-140	"	"	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Gribi Associates Project: Maz Glass
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

T-1-W
T121358-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroform	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Maz Glass Project Number: [none] Project Manager: Jim Gribi	Reported: 08/15/12 17:00
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**T-1-W
T121358-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tetrachloroethene	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	81.2-123	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	83.6 %	95.7-135	"	"	"	"	"	"	
Surrogate: Toluene-d8	89.2 %	85.5-116	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
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Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Maz Glass Project Number: [none] Project Manager: Jim Gribi	Reported: 08/15/12 17:00
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**T-1-W
T121358-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Creosote	ND	300	ug/kg	1	2081014	08/10/12	08/13/12	EPA 8270C	
Acenaphthene	ND	10	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol	55.5 %	14.3-83.1	"	"	"	"	"	"	
Surrogate: Phenol-d6	51.8 %	12-95.6	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5	66.2 %	21.3-119	"	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.3 %	32.4-102	"	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	37.4 %	18.1-101	"	"	"	"	"	"	
Surrogate: Terphenyl-d4	108 %	29.1-130	"	"	"	"	"	"	
PAH compounds by Semivolatile GCMS									
Pentachlorophenol	ND	1000	ug/kg	1	2081014	"	08/13/12	EPA 8270C	
Acenaphthene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Surrogate: Terphenyl-d4	89.0 %	29.1-130	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager



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Gribi Associates Project: Maz Glass
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

T-1-E
T121358-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C13-C28 (DRO)	ND	10	mg/kg	1	2081007	08/10/12	08/13/12	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl	133 %	65-135	"	"	"	"	"	"	

Metals by EPA 6010B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium	ND	2.0	mg/kg	1	2081010	08/10/12	08/13/12	EPA 6010B	
Chromium	27	2.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Nickel	37	2.0	"	"	"	"	"	"	
Zinc	100	1.0	"	"	"	"	"	"	

Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PCB-1016	ND	10	ug/kg	1	2081008	08/10/12	08/13/12	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	59.8 %	35-140	"	"	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	

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Wendy Hsiao For Daniel Chavez, Project Manager



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1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

T-1-E
T121358-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroform	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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 Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

T-1-E
T121358-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tetrachloroethene	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.2 %	81.2-123	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	80.5 %	95.7-135	"	"	"	"	"	"	
Surrogate: Toluene-d8	86.6 %	85.5-116	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Wendy Hsiao For Daniel Chavez, Project Manager



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Gribi Associates Project: Maz Glass
 1090 Adam Street, Suite K Project Number: [none] Reported:
 Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

T-1-E
T121358-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Creosote	ND	300	ug/kg	1	2081014	08/10/12	08/13/12	EPA 8270C	
Acenaphthene	ND	10	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol	49.3 %	14.3-83.1	"	"	"	"	"	"	
Surrogate: Phenol-d6	47.2 %	12-95.6	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5	57.1 %	21.3-119	"	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	60.3 %	32.4-102	"	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	51.2 %	18.1-101	"	"	"	"	"	"	
Surrogate: Terphenyl-d4	80.5 %	29.1-130	"	"	"	"	"	"	
PAH compounds by Semivolatile GCMS									
Pentachlorophenol	ND	1000	ug/kg	1	2081014	"	08/13/12	EPA 8270C	
Acenaphthene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Surrogate: Terphenyl-d4	80.5 %	29.1-130	"	"	"	"	"	"	

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Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Maz Glass Project Number: [none] Project Manager: Jim Gribi	Reported: 08/15/12 17:00
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T-1-S
T121358-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C13-C28 (DRO)	ND	10	mg/kg	1	2081007	08/10/12	08/13/12	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl	133 %	65-135	"	"	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8	87.8 %	85.5-116	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.0 %	81.2-123	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	82.9 %	95.7-135	"	"	"	"	"	"	

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Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Maz Glass Project Number: [none] Project Manager: Jim Gribi	Reported: 08/15/12 17:00
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T-1-N
T121358-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C13-C28 (DRO)	ND	10	mg/kg	1	2081007	08/10/12	08/13/12	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl	139 %	65-135	"	"	"	"	"	"	S-H1

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	520	500	"	"	"	"	"	"	
Surrogate: Toluene-d8	90.2 %	85.5-116	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.8 %	81.2-123	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	87.0 %	95.7-135	"	"	"	"	"	"	

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Gribi Associates Project: Maz Glass
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

Extractable Petroleum Hydrocarbons by 8015C - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch 2081007 - EPA 3550B GC

Blank (2081007-BLK1) Prepared: 08/10/12 Analyzed: 08/13/12

C13-C28 (DRO)	ND	10	mg/kg							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	169		"	100	169	65-135				S-Hil

LCS (2081007-BS1) Prepared: 08/10/12 Analyzed: 08/13/12

C13-C28 (DRO)	480	10	mg/kg	500	95.3	75-125				
Surrogate: <i>p</i> -Terphenyl	135		"	100	135	65-135				

Matrix Spike (2081007-MS1) Source: T121356-04 Prepared: 08/10/12 Analyzed: 08/13/12

C13-C28 (DRO)	490	10	mg/kg	500	ND	97.2	75-125			
Surrogate: <i>p</i> -Terphenyl	132		"	100	132	65-135				

Matrix Spike Dup (2081007-MSD1) Source: T121356-04 Prepared: 08/10/12 Analyzed: 08/13/12

C13-C28 (DRO)	490	10	mg/kg	500	ND	97.8	75-125	0.659	20	
Surrogate: <i>p</i> -Terphenyl	133		"	100	133	65-135				

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1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

Metals by EPA 6010B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch 2081010 - EPA 3051

Blank (2081010-BLK1) Prepared: 08/10/12 Analyzed: 08/13/12

Cadmium	ND	2.0	mg/kg							
Chromium	ND	2.0	"							
Lead	ND	3.0	"							
Nickel	ND	2.0	"							
Zinc	ND	1.0	"							

LCS (2081010-BS1) Prepared: 08/10/12 Analyzed: 08/13/12

Cadmium	94.3	2.0	mg/kg	100	94.3	75-125				
Chromium	95.0	2.0	"	100	95.0	75-125				
Lead	96.8	3.0	"	100	96.8	75-125				

Matrix Spike (2081010-MS1) Source: T121364-05 Prepared: 08/10/12 Analyzed: 08/13/12

Cadmium	87.3	2.0	mg/kg	100	1.94	85.3	75-125			
Chromium	105	2.0	"	100	16.3	89.0	75-125			
Lead	92.9	3.0	"	100	ND	92.9	75-125			

Matrix Spike Dup (2081010-MSD1) Source: T121364-05 Prepared: 08/10/12 Analyzed: 08/13/12

Cadmium	85.3	2.0	mg/kg	100	1.94	83.4	75-125	2.26	20	
Chromium	102	2.0	"	100	16.3	85.7	75-125	3.18	20	
Lead	90.8	3.0	"	100	ND	90.8	75-125	2.19	20	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Gribi Associates Project: Maz Glass
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch 2081008 - EPA 3550 ECD/GCMS

Blank (2081008-BLK1) Prepared: 08/10/12 Analyzed: 08/13/12

PCB-1016	ND	10	ug/kg							
PCB-1221	ND	10	"							
PCB-1232	ND	10	"							
PCB-1242	ND	10	"							
PCB-1248	ND	10	"							
PCB-1254	ND	10	"							
PCB-1260	ND	10	"							

Surrogate: Tetrachloro-meta-xylene 6.02 " 10.0 60.2 35-140

LCS (2081008-BS1) Prepared: 08/10/12 Analyzed: 08/13/12

PCB-1016	75.7	10	ug/kg	100	75.7	40-130				
PCB-1260	76.0	10	"	100	76.0	40-130				

Surrogate: Tetrachloro-meta-xylene 6.97 " 10.0 69.7 35-140

Matrix Spike (2081008-MS1) Source: T121358-01 Prepared: 08/10/12 Analyzed: 08/13/12

PCB-1016	56.6	10	ug/kg	100	ND	56.6	40-130			
PCB-1260	60.8	10	"	100	ND	60.8	40-130			

Surrogate: Tetrachloro-meta-xylene 5.07 " 10.0 50.7 35-140

Matrix Spike Dup (2081008-MSD1) Source: T121358-01 Prepared: 08/10/12 Analyzed: 08/13/12

PCB-1016	73.3	10	ug/kg	100	ND	73.3	40-130	25.7	30	
PCB-1260	60.7	10	"	100	ND	60.7	40-130	0.272	30	

Surrogate: Tetrachloro-meta-xylene 5.80 " 10.0 58.0 35-140

SunStar Laboratories, Inc.

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Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager



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Gribi Associates Project: Maz Glass
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch 2081018 - EPA 5030 GCMS

Blank (2081018-BLK1) Prepared: 08/10/12 Analyzed: 08/15/12

Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							

SunStar Laboratories, Inc.

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Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager



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Gribi Associates Project: Maz Glass
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch 2081018 - EPA 5030 GCMS

Blank (2081018-BLK1)		Prepared: 08/10/12 Analyzed: 08/15/12	
p-Isopropyltoluene	ND	5.0	ug/kg
Methylene chloride	ND	5.0	"
Naphthalene	ND	5.0	"
n-Propylbenzene	ND	5.0	"
Styrene	ND	5.0	"
1,1,2,2-Tetrachloroethane	ND	5.0	"
1,1,1,2-Tetrachloroethane	ND	5.0	"
Tetrachloroethene	ND	5.0	"
1,2,3-Trichlorobenzene	ND	5.0	"
1,2,4-Trichlorobenzene	ND	5.0	"
1,1,2-Trichloroethane	ND	5.0	"
1,1,1-Trichloroethane	ND	5.0	"
Trichloroethene	ND	5.0	"
Trichlorofluoromethane	ND	5.0	"
1,2,3-Trichloropropane	ND	5.0	"
1,3,5-Trimethylbenzene	ND	5.0	"
1,2,4-Trimethylbenzene	ND	5.0	"
Vinyl chloride	ND	5.0	"
Benzene	ND	5.0	"
Benzene	ND	5.0	"
Toluene	ND	5.0	"
Toluene	ND	5.0	"
Ethylbenzene	ND	5.0	"
Ethylbenzene	ND	5.0	"
m,p-Xylene	ND	5.0	"
m,p-Xylene	ND	5.0	"
o-Xylene	ND	5.0	"
o-Xylene	ND	5.0	"
Tert-amyl methyl ether	ND	20	"
Tert-butyl alcohol	ND	50	"
Di-isopropyl ether	ND	20	"
Ethyl tert-butyl ether	ND	20	"
Methyl tert-butyl ether	ND	20	"
Methyl tert-butyl ether	ND	20	"
C6-C12 (GRO)	ND	500	"
C6-C12 (GRO)	ND	500	"

SunStar Laboratories, Inc.

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Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager



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Gribi Associates Project: Maz Glass
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch 2081018 - EPA 5030 GCMS

Blank (2081018-BLK1)		Prepared: 08/10/12 Analyzed: 08/15/12					
Surrogate: Toluene-d8	33.8	40.0	ug/kg	84.6	85.5-116	S-GC	
Surrogate: 4-Bromofluorobenzene	35.1	40.0	"	87.8	81.2-123		
Surrogate: 4-Bromofluorobenzene	35.1	40.0	"	87.8	81.2-123		
Surrogate: Dibromofluoromethane	30.6	40.0	"	76.4	95.7-135	S-GC	
Surrogate: Dibromofluoromethane	30.6	40.0	"	76.4	95.7-135	S-GC	
Surrogate: Toluene-d8	33.8	40.0	"	84.6	85.5-116	S-GC	
LCS (2081018-BS1)		Prepared: 08/10/12 Analyzed: 08/15/12					
Chlorobenzene	99.6	5.0	ug/kg	100	99.6	75-125	
Chlorobenzene	99.6	5.0	"	100	99.6	75-125	
1,1-Dichloroethene	119	5.0	"	100	119	75-125	
1,1-Dichloroethene	119	5.0	"	100	119	75-125	
Trichloroethene	117	5.0	"	100	117	75-125	
Trichloroethene	117	5.0	"	100	117	75-125	
Benzene	99.4	5.0	"	100	99.4	75-125	
Benzene	99.4	5.0	"	100	99.4	75-125	
Toluene	94.2	5.0	"	100	94.2	75-125	
Toluene	94.2	5.0	"	100	94.2	75-125	
Surrogate: Toluene-d8	37.0	40.0	"	92.4	85.5-116		
Surrogate: 4-Bromofluorobenzene	31.8	40.0	"	79.6	81.2-123	S-GC	
Surrogate: 4-Bromofluorobenzene	31.8	40.0	"	79.6	81.2-123	S-GC	
Surrogate: Dibromofluoromethane	30.3	40.0	"	75.8	95.7-135	S-GC	
Surrogate: Dibromofluoromethane	30.3	40.0	"	75.8	95.7-135	S-GC	
Surrogate: Toluene-d8	37.0	40.0	"	92.4	85.5-116		
Matrix Spike (2081018-MS1)		Source: T121358-01 Prepared: 08/10/12 Analyzed: 08/15/12					
Chlorobenzene	97.6	5.0	ug/kg	100	ND	97.6	75-125
Chlorobenzene	97.6	5.0	"	100	ND	97.6	75-125
1,1-Dichloroethene	116	5.0	"	100	ND	116	75-125
1,1-Dichloroethene	116	5.0	"	100	ND	116	75-125
Trichloroethene	92.8	5.0	"	100	ND	92.8	75-125
Trichloroethene	92.8	5.0	"	100	ND	92.8	75-125
Benzene	96.3	5.0	"	100	ND	96.3	75-125
Benzene	96.3	5.0	"	100	ND	96.3	75-125
Toluene	92.8	5.0	"	100	ND	92.8	75-125
Toluene	92.8	5.0	"	100	ND	92.8	75-125

SunStar Laboratories, Inc.

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Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager



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Gribi Associates Project: Maz Glass
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch 2081018 - EPA 5030 GCMS

Matrix Spike (2081018-MS1)	Source: T121358-01	Prepared: 08/10/12	Analyzed: 08/15/12				
Surrogate: Toluene-d8	35.2	ug/kg	40.0	88.0	85.5-116		
Surrogate: 4-Bromofluorobenzene	32.6	"	40.0	81.6	81.2-123		
Surrogate: 4-Bromofluorobenzene	32.6	"	40.0	81.6	81.2-123		
Surrogate: Dibromofluoromethane	29.2	"	40.0	73.0	95.7-135		S-GC
Surrogate: Dibromofluoromethane	29.2	"	40.0	73.0	95.7-135		S-GC
Surrogate: Toluene-d8	35.2	"	40.0	88.0	85.5-116		

Matrix Spike Dup (2081018-MSD1)	Source: T121358-01	Prepared: 08/10/12	Analyzed: 08/15/12							
Chlorobenzene	97.8	5.0	ug/kg	100	ND	97.8	75-125	0.205	20	
Chlorobenzene	97.8	5.0	"	100	ND	97.8	75-125	0.205	20	
1,1-Dichloroethene	120	5.0	"	100	ND	120	75-125	3.73	20	
1,1-Dichloroethene	120	5.0	"	100	ND	120	75-125	3.73	20	
Trichloroethene	93.8	5.0	"	100	ND	93.8	75-125	1.07	20	
Trichloroethene	93.8	5.0	"	100	ND	93.8	75-125	1.07	20	
Benzene	96.2	5.0	"	100	ND	96.2	75-125	0.156	20	
Benzene	96.2	5.0	"	100	ND	96.2	75-125	0.156	20	
Toluene	91.8	5.0	"	100	ND	91.8	75-125	1.19	20	
Toluene	91.8	5.0	"	100	ND	91.8	75-125	1.19	20	
Surrogate: Toluene-d8	34.6	"	40.0	86.6	85.5-116					
Surrogate: 4-Bromofluorobenzene	31.8	"	40.0	79.4	81.2-123					S-GC
Surrogate: 4-Bromofluorobenzene	31.8	"	40.0	79.4	81.2-123					S-GC
Surrogate: Dibromofluoromethane	29.5	"	40.0	73.8	95.7-135					S-GC
Surrogate: Dibromofluoromethane	29.5	"	40.0	73.8	95.7-135					S-GC
Surrogate: Toluene-d8	34.6	"	40.0	86.6	85.5-116					

SunStar Laboratories, Inc.

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Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager



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Gribi Associates Project: Maz Glass
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch 2081014 - EPA 3550 ECD/GCMS

Blank (2081014-BLK1)	Prepared: 08/10/12	Analyzed: 08/13/12	
Creosote	ND	300 ug/kg	
Acenaphthene	ND	10 "	
Pyrene	ND	10 "	
Surrogate: 2-Fluorophenol	732	" 1670	43.9 14.3-83.1
Surrogate: Phenol-d6	876	" 1670	52.5 12-95.6
Surrogate: Nitrobenzene-d5	1110	" 1670	66.6 21.3-119
Surrogate: 2-Fluorobiphenyl	1080	" 1670	64.8 32.4-102
Surrogate: 2,4,6-Tribromophenol	647	" 1670	38.8 18.1-101
Surrogate: Terphenyl-d4	1570	" 1670	94.5 29.1-130

LCS (2081014-BS1)	Prepared: 08/10/12	Analyzed: 08/13/12	
Creosote	ND	300 ug/kg	75-125
Acenaphthene	1050	10 "	1670 62.9 46-118
Pyrene	1100	10 "	1670 66.1 26-127
Surrogate: 2-Fluorophenol	801	" 1670	48.1 14.3-83.1
Surrogate: Phenol-d6	785	" 1670	47.1 12-95.6
Surrogate: Nitrobenzene-d5	943	" 1670	56.6 21.3-119
Surrogate: 2-Fluorobiphenyl	919	" 1670	55.1 32.4-102
Surrogate: 2,4,6-Tribromophenol	839	" 1670	50.4 18.1-101
Surrogate: Terphenyl-d4	1060	" 1670	63.5 29.1-130

LCS Dup (2081014-BSD1)	Prepared: 08/10/12	Analyzed: 08/13/12		
Creosote	ND	300 ug/kg	75-125	20
Acenaphthene	1160	10 "	1670 69.7 46-118	10.3 31
Pyrene	1270	10 "	1670 76.1 26-127	14.0 31
Surrogate: 2-Fluorophenol	877	" 1670	52.6 14.3-83.1	
Surrogate: Phenol-d6	897	" 1670	53.8 12-95.6	
Surrogate: Nitrobenzene-d5	1080	" 1670	64.5 21.3-119	
Surrogate: 2-Fluorobiphenyl	1050	" 1670	63.1 32.4-102	
Surrogate: 2,4,6-Tribromophenol	965	" 1670	57.9 18.1-101	
Surrogate: Terphenyl-d4	1280	" 1670	76.5 29.1-130	

SunStar Laboratories, Inc.

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Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager



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Gribi Associates Project: Maz Glass
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

PAH compounds by Semivolatle GCMS - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch 2081014 - EPA 3550 ECD/GCMS

Blank (2081014-BLK1) Prepared: 08/10/12 Analyzed: 08/13/12

Pentachlorophenol	ND	1000	ug/kg							
Acenaphthene	ND	300	"							
Acenaphthylene	ND	300	"							
Anthracene	ND	300	"							
Benzo (a) anthracene	ND	300	"							
Benzo (b) fluoranthene	ND	300	"							
Benzo (k) fluoranthene	ND	300	"							
Benzo (g,h,i) perylene	ND	1000	"							
Benzo (a) pyrene	ND	300	"							
Chrysene	ND	300	"							
Dibenz (a,h) anthracene	ND	300	"							
Fluoranthene	ND	300	"							
Fluorene	ND	300	"							
Indeno (1,2,3-cd) pyrene	ND	300	"							
Naphthalene	ND	300	"							
Phenanthrene	ND	300	"							
Pyrene	ND	300	"							

Surrogate: Terphenyl-d4 1550 " 1670 93.0 29.1-130

LCS (2081014-BS1) Prepared: 08/10/12 Analyzed: 08/13/12

Pentachlorophenol	778	1000	ug/kg	1670	46.7	8.05-120				
Acenaphthene	1050	300	"	1670	62.9	38.9-79.4				
Pyrene	1100	300	"	1670	66.1	25-85.2				

Surrogate: Terphenyl-d4 1060 " 1670 63.5 29.1-130

LCS Dup (2081014-BSD1) Prepared: 08/10/12 Analyzed: 08/13/12

Pentachlorophenol	845	1000	ug/kg	1670	50.7	8.05-120	8.17	50		
Acenaphthene	1160	300	"	1670	69.7	38.9-79.4	10.3	31		
Pyrene	1270	300	"	1670	76.1	25-85.2	14.0	31		

Surrogate: Terphenyl-d4 1280 " 1670 76.5 29.1-130

SunStar Laboratories, Inc.

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Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager



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Gribi Associates Project: Maz Glass
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:00

Notes and Definitions

- S-Hil Surrogate recovery was high in QC and corresponding samples. Sample results were non-detect. Data was not negatively effected.
- S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.

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Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager



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15 August 2012

Jim Gribi
Gribi Associates
1090 Adam Street, Suite K
Benicia, CA 94510
RE: Maz Glass

Enclosed are the results of analyses for samples received by the laboratory on 08/10/12 10:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wendy Hsiao For Daniel Chavez
Project Manager



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Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Maz Glass Project Number: [none] Project Manager: Jim Gribi	Reported: 08/15/12 17:03
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Composite 01-03	T121356-04	Soil	08/09/12 00:00	08/10/12 10:15

SunStar Laboratories, Inc.

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Wendy Hsiao For Daniel Chavez, Project Manager



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Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Maz Glass Project Number: [none] Project Manager: Jim Gribi	Reported: 08/15/12 17:03
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Composite 01-03
T121356-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C13-C28 (DRO)	ND	10	mg/kg	1	2081007	08/10/12	08/13/12	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl	145 %	65-135	"	"	"	"	"	"	S-H1

Metals by EPA 6010B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium	ND	2.0	mg/kg	1	2081010	08/10/12	08/13/12	EPA 6010B	
Chromium	23	2.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Nickel	33	2.0	"	"	"	"	"	"	
Zinc	250	1.0	"	"	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8	84.1 %	85.5-116	"	"	"	"	"	"	S-GC
Surrogate: 4-Bromofluorobenzene	95.1 %	81.2-123	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	81.4 %	95.7-135	"	"	"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager



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949.297.5020 Phone
949.297.5027 Fax

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Maz Glass Project Number: [none] Project Manager: Jim Gribi	Reported: 08/15/12 17:03
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Extractable Petroleum Hydrocarbons by 8015C - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2081007 - EPA 3550B GC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Blank (2081007-BLK1) Prepared: 08/10/12 Analyzed: 08/13/12									
C13-C28 (DRO)	ND	10	mg/kg						
C29-C40 (MORO)	ND	10	"						
Surrogate: <i>p</i> -Terphenyl	169		"	100	169	65-135			S-H1

LCS (2081007-BS1) Prepared: 08/10/12 Analyzed: 08/13/12									
C13-C28 (DRO)	480	10	mg/kg	500	95.3	75-125			
Surrogate: <i>p</i> -Terphenyl	135		"	100	135	65-135			

Matrix Spike (2081007-MS1) Source: T121356-04 Prepared: 08/10/12 Analyzed: 08/13/12									
C13-C28 (DRO)	490	10	mg/kg	500	ND	97.2	75-125		
Surrogate: <i>p</i> -Terphenyl	132		"	100	132	65-135			

Matrix Spike Dup (2081007-MSD1) Source: T121356-04 Prepared: 08/10/12 Analyzed: 08/13/12									
C13-C28 (DRO)	490	10	mg/kg	500	ND	97.8	75-125	0.659	20
Surrogate: <i>p</i> -Terphenyl	133		"	100	133	65-135			

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1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:03

Metals by EPA 6010B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch 2081010 - EPA 3051

Blank (2081010-BLK1) Prepared: 08/10/12 Analyzed: 08/13/12

Cadmium	ND	2.0	mg/kg							
Chromium	ND	2.0	"							
Lead	ND	3.0	"							
Nickel	ND	2.0	"							
Zinc	ND	1.0	"							

LCS (2081010-BS1) Prepared: 08/10/12 Analyzed: 08/13/12

Cadmium	94.3	2.0	mg/kg	100	94.3	75-125				
Chromium	95.0	2.0	"	100	95.0	75-125				
Lead	96.8	3.0	"	100	96.8	75-125				

Matrix Spike (2081010-MS1) Source: T121364-05 Prepared: 08/10/12 Analyzed: 08/13/12

Cadmium	87.3	2.0	mg/kg	100	1.94	85.3	75-125			
Chromium	105	2.0	"	100	16.3	89.0	75-125			
Lead	92.9	3.0	"	100	ND	92.9	75-125			

Matrix Spike Dup (2081010-MSD1) Source: T121364-05 Prepared: 08/10/12 Analyzed: 08/13/12

Cadmium	85.3	2.0	mg/kg	100	1.94	83.4	75-125	2.26	20	
Chromium	102	2.0	"	100	16.3	85.7	75-125	3.18	20	
Lead	90.8	3.0	"	100	ND	90.8	75-125	2.19	20	

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Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch 2081018 - EPA 5030 GCMS

Blank (2081018-BLK1) Prepared: 08/10/12 Analyzed: 08/15/12

Benzene	ND	5.0	ug/kg							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Methyl tert-butyl ether	ND	20	"							
C6-C12 (GRO)	ND	500	"							
Surrogate: Toluene-d8	33.8		"	40.0		84.6	85.5-116			S-GC
Surrogate: 4-Bromofluorobenzene	35.1		"	40.0		87.8	81.2-123			
Surrogate: Dibromofluoromethane	30.6		"	40.0		76.4	95.7-135			S-GC

LCS (2081018-BS1) Prepared: 08/10/12 Analyzed: 08/15/12

Chlorobenzene	99.6	5.0	ug/kg	100	99.6	75-125				
1,1-Dichloroethene	119	5.0	"	100	119	75-125				
Trichloroethene	117	5.0	"	100	117	75-125				
Benzene	99.4	5.0	"	100	99.4	75-125				
Toluene	94.2	5.0	"	100	94.2	75-125				
Surrogate: Toluene-d8	37.0		"	40.0		92.4	85.5-116			
Surrogate: 4-Bromofluorobenzene	31.8		"	40.0		79.6	81.2-123			S-GC
Surrogate: Dibromofluoromethane	30.3		"	40.0		75.8	95.7-135			S-GC

Matrix Spike (2081018-MS1) Source: T121358-01 Prepared: 08/10/12 Analyzed: 08/15/12

Chlorobenzene	97.6	5.0	ug/kg	100	ND	97.6	75-125			
1,1-Dichloroethene	116	5.0	"	100	ND	116	75-125			
Trichloroethene	92.8	5.0	"	100	ND	92.8	75-125			
Benzene	96.3	5.0	"	100	ND	96.3	75-125			
Toluene	92.8	5.0	"	100	ND	92.8	75-125			
Surrogate: Toluene-d8	35.2		"	40.0		88.0	85.5-116			
Surrogate: 4-Bromofluorobenzene	32.6		"	40.0		81.6	81.2-123			
Surrogate: Dibromofluoromethane	29.2		"	40.0		73.0	95.7-135			S-GC

SunStar Laboratories, Inc.

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1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2081018 - EPA 5030 GCMS

Matrix Spike Dup (2081018-MSD1)	Source: T121358-01	Prepared: 08/10/12	Analyzed: 08/15/12							
Chlorobenzene	97.8	5.0	ug/kg	100	ND	97.8	75-125	0.205	20	
1,1-Dichloroethene	120	5.0	"	100	ND	120	75-125	3.73	20	
Trichloroethene	93.8	5.0	"	100	ND	93.8	75-125	1.07	20	
Benzene	96.2	5.0	"	100	ND	96.2	75-125	0.156	20	
Toluene	91.8	5.0	"	100	ND	91.8	75-125	1.19	20	
Surrogate: Toluene-d8	34.6		"	40.0		86.6	85.5-116			
Surrogate: 4-Bromofluorobenzene	31.8		"	40.0		79.4	81.2-123			S-GC
Surrogate: Dibromofluoromethane	29.5		"	40.0		73.8	95.7-135			S-GC

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Benicia CA, 94510 Project Manager: Jim Gribi 08/15/12 17:03

Notes and Definitions

- S-Hi1 Surrogate recovery was high in QC and corresponding samples. Sample results were non-detect. Data was not negatively effected.
- S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.

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Wendy Hsiao For Daniel Chavez, Project Manager



SAMPLE RECEIVING REVIEW SHEET

BATCH # T121356

Client Name: GRBI Project: MAZ GLASS

Received by: SP100 Date/Time Received: 8-10-12 10:15

Delivered by: Client SunStar Courier GSO FedEx Other

Total number of coolers received 1 Temp criteria = 6°C > 0°C (no frozen containers)

Temperature: cooler #1 _____ °C +/- the CF (-0.2°C) = _____ °C corrected temperature

cooler #2 _____ °C +/- the CF (-0.2°C) = _____ °C corrected temperature

cooler #3 _____ °C +/- the CF (-0.2°C) = _____ °C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling. Yes No* N/A

Custody Seals Intact on Cooler/Sample Yes No* N/A

Sample Containers Intact Yes No*

Sample labels match COC ID's Yes No*

Total number of containers received match COC Yes No*

Proper containers received for analyses requested on COC Yes No*

Proper preservative indicated on COC/containers for analyses requested Yes No* N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. Yes No*

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date pc 8-10-12

Comments:

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Chain of Custody Record

Client: Grbi Associates
 Address: _____
 Phone: _____ Fax: _____
 Project Manager: J Grbi

Date: 8/11/12 Page: 1 of 1
 Project Name: Maz Glass Client Project #: _____
 Collector: J Grbi Client Project #: _____
 Batch #: T121356 EDP #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only + TPH-C	8270	8021 BTEX	8015M (gasoline)	8015M (diesel) / Motor Oil	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Luff S Metals	Laboratory ID #	Comments/Preservative	Total # of containers
SP-1.1	8/9/12	11:08	Soil	Slurry			X				X				01		
SP-1.2	"	11:02	"	"											02		
SP-1.3	"	11:15	"	"											03		
Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____																	

COC 101028

Notes
STD. TAT

3-10-12
 GC

Received good condition/cold
 Chain of Custody seals Y/N/A
 Scales intact? Y/N/A
 Turn around time: Results by 8/14 (see SWD)

Sample disposal instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____