CAMBRIA

October 20, 1997

Alex Gaeta
Peerless Stages
2040 Castro Street
Oakland, California 94612

8/17/98 Spoke w/ A Gaeta re UST removal.
Yes. USTwere removed. Rept was probably sent to Rwaster. Found

Re: **Subsurface Investigation Report**
Peerless Stages
2026 Brush Street
Oakland, California
Cambria #126-721

- why so high detection limits
- why no soil / GW samples from SB1

Dear Mr. Gaeta:

Cambria Environmental Technology, Inc. (Cambria) is pleased to present the results of the subsurface investigation conducted on October 3, 1997 at the site referenced above. The investigation objective was to determine the existence of hydrocarbons in soil and ground water near the underground storage tanks (USTs). A site summary and the results of our investigation are presented below.

SITE DESCRIPTION

The site is located at the northwest corner of the intersection of Brush Street and 20th Street in Oakland, California. The site is currently an operating bus yard. The site is bounded to the north and west by residential properties.

One 1,000-gallon gasoline UST and one 10,000-gallon diesel UST and associated dispensers are located in the central western portion of the property. One 100-gallon used oil aboveground storage tank is located in the northern portion of the site, behind the shop (Figure 1).

PREVIOUS INVESTIGATIONS

Cambria contacted the City of Oakland Fire Department. The Fire Prevention office did not have any records documenting storage tank or underground piping work at the site.

CAMBRIA
ENVIRONMENTAL
TECHNOLOGY, INC.
1144 65TH STREET,
SUITE B
OAKLAND,
94608
(510) 420-0700
(510) 420-9170

INVESTIGATION PROCEDURES

Cambria based the proposed boring locations on UST location and an estimated ground water flow direction toward the south to southwest. Upon arrival at the site, the boring locations were modified to accommodate bus repair. The planned boring location near the used oil tank was not accessible.

Boring locations are shown in Figure 1. Cambria's standard field procedures for Geoprobe® borings are included as Attachment A.

Soil Borings

Personnel Present:	Geologist Josh Bergstrom directed the field sampling, working under the supervision of California Professional Engineer Owen Ratchye.
Permit:	Permit #97WR148 was obtained for the borings from the Alameda County Public Works Agency. A copy of the permit is included in Attachment B.
Drilling Company:	Vironex of Hayward, California (C-57 License #705927).
Drilling Date:	October 3, 1997.
Drilling Methods:	Geoprobe® (hydraulic push with roto-hammer).
Number of Borings:	Five (SB-1 to SB-5).
Boring Depths:	20 to 22 ft. Boring logs are included in Attachment C.
Ground Water Depths:	Ground water was first encountered in each of the soil borings at approximately 15 to 17 ft depth. Static water level was 10 to 12 ft depth in borings SB-2 and SB-4.
Sediment Lithology:	The site subsurface consists of clayey silts of low estimated permeability with silty sand intervals of low to medium estimated permeability to approximately 11 to 15 ft depth which is underlain by silty sands of low to moderate estimated permeability to the total explored depth of 22 ft (Attachment C).

Chemical Analyses: Two water samples and two soil samples were selected for analysis. The selected samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and total petroleum hydrocarbons as diesel (TPHd) using modified EPA Method 8015, and benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA Method 8020. One water sample was also analyzed for purgeable halocarbons using EPA Method 8010. Laboratory analytic results are summarized in Tables 1 and 2 and presented in Attachment D.

Soil Disposal: Approximately 6 gallons of soil cuttings were stockpiled on site.

Backfill Method: Boring locations were backfilled with cement grout to match the existing grade.

INVESTIGATION RESULTS

Hydrocarbon Distribution in Soil

Horizontal Definition: Field screening methods noted hydrocarbon concentrations in soil samples taken from approximately 15 ft depth in borings SB-1 and SB-4. Hydrocarbons were not detected in the soil samples submitted, which were from borings SB-2 and SB-3. These two borings define the extents of hydrocarbons in soil to the southeast of the USTs. No signs of hydrocarbons were detected in soil samples taken from boring SB-2.

Vertical Definition: Field indicators of hydrocarbons were only noted in soil samples collected between 14 to 18 ft depth.

Hydrocarbon Distribution in Ground Water

Gasoline and diesel range hydrocarbons were detected in sample SB-4, and gasoline range hydrocarbons were detected in sample SB-2. Purgeable halocarbons were not detected in ground water sample SB-4.

DISCUSSION

Based on the information stated above, Cambria recommends the following actions.

Lead Agency Submittals: An *Underground Storage Tank Unauthorized Release Form* (Form 5) should be submitted to the local lead agency along with a copy of this investigation report. The Alameda County Department of Environmental Health is the lead agency for the site area, and can be contacted to obtain a Form 5.

Additional Data: Additional analyses of soil samples would more completely define the horizontal extent of hydrocarbons in soil.

Soil Disposal: If the soil stockpiled on site is hazardous, it must be disposed of within 90 days from the sampling date. Because the samples analyzed do not adequately represent the stockpiled soil, the stockpile should be sampled and analyzed for TPHg, TPHd, BTEX, and total lead. Upon review of this analytical data, Cambria will recommend soil handling options.

LIMITATIONS

Services provided hereunder were performed in accordance with current and professionally accepted environmental consulting principles and practices. The interpretations, conclusions, and recommendations presented reflect professional opinion based on these practices. No other warranty, expressed or implied, is made.

CLOSING

We appreciate the opportunity to provide services to Peerless Stages, Inc. Please call if you have any questions or comments, or if we can be of further assistance.

Sincerely,
Cambria Environmental Technology, Inc.

Josh Bergstrom
Geologist

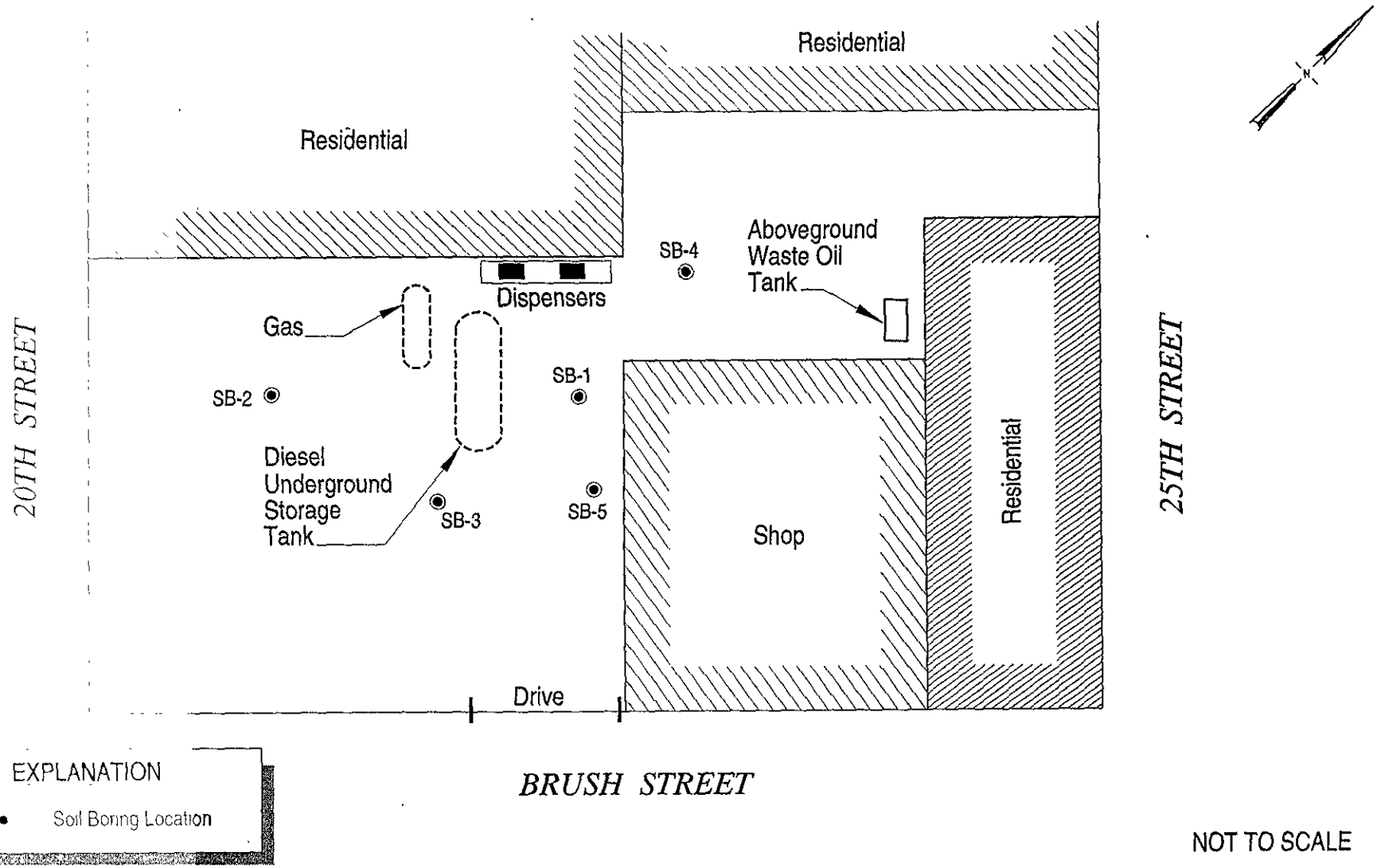
Owen Ratchye, P. E.
Project Engineer

REGISTERED PROFESSIONAL ENGINEER
OWEN C. RATCHYE
No. C47749
Exp. 12/31/96
CIVIL
STATE OF CALIFORNIA

Attachments: A - Standard Field Procedures for Geoprobe® Sampling
B - Drilling Permit
C - Soil Boring Logs
D - Laboratory Analytic Results

cc: Gardner Kent, Green Tortoise Bus Lines, 949 Broadway Avenue, San Francisco, California 94133
Robert Kitay, Aqua Sciences Engineers, 2411 Old Crow Canyon Road, San Ramon, California 94583

F:\PROJECT\MISC\Green Tort\Report.wpd



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Environmental Technology, Inc.

Peerless Stages
2026 Brush Street
Oakland, CA

F:\PROJECT\MISC\GREENTORT\FIGURES\SOIL-LOC.DWG

Soil Boring Locations

October 3,1997

FIGURE
1

10/16/97

Table 1. Soil and **Ground Water Analytic Data** - Peerless Stages, 2026 Brush Street, Oakland, California

Sample ID	Units	Date Collected	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes
Soil Samples:								
SB-3, 16'	mg/kg	10/03/97	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
SB-5, 15.5'	mg/kg	10/03/97	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
Water Samples:								
SB-2	ug/L	10/03/97	<50	310 a	<0.5	0.70	<0.5	0.91
SB-4	ug/L	10/03/97	120 b	58,000 a,c	<0.5	1.8	0.50	3.7

Abbreviations/Notes:

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA method 8015.
Benzene, ethylbenzene, toluene, xylenes by EPA method 8020.

a = oil range compounds are significant
b = strongly aged gasoline or diesel range compounds are significant
c = gasoline range compounds are significant
No volatile organic compounds detected in ground water sample SB-4 by EPA method 8010.
Soil samples reported in milligrams per kilogram (mg/kg). Water samples reported micrograms per liter (ug/L).

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ATTACHMENT A

Standard Field Procedures for Geoprobe® Sampling

STANDARD FIELD PROCEDURES FOR GEOPROBE® SAMPLING

This document describes Cambria Environmental Technology's standard field methods for Geoprobe® soil and ground water sampling. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Registered Geologist (RG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e., sand, silt, clay or gravel)
- Approximate percentage of each grain size category,
- Color,
- Approximate water or separate-phase hydrocarbon saturation percentage,
- Observed odor and/or discoloration,
- Other significant observations (i.e., cementation, presence of marker horizons, mineralogy), and
- Estimated permeability.

Soil Sampling

Geoprobe® soil samples are collected from borings driven using hydraulic push technologies. A minimum of one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples can be collected near the water table and at lithologic changes. Samples are collected using samplers lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole. The ground surface immediately adjacent to the boring is used as a datum to measure sample depth. The horizontal location of each boring is measured in the field relative to a permanent on-site reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned or washed prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon® tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

After a soil sample has been collected, soil from the remaining tubing is placed inside a sealed plastic bag and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable GasTech® or photoionization detector measures volatile hydrocarbon vapor concentrations in the bag's headspace, extracting the vapor through a slit in the plastic bag. The measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Grab Ground Water Sampling

Ground water samples are collected from the open borehole using bailers, advancing disposable Tygon® tubing into the borehole and extracting ground water using a diaphragm pump, or using a hydro-punch style sampler with a bailer or tubing. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory quality assurance/quality control (QA/QC) blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

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ATTACHMENT B

Drilling Permit

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
951 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651
PHONE (510) 670-5575 ANDREAS GODFREY FAX (510) 670-5262
(510) 670-5248 ALVIN KAN

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 2026 Brush St., Oakland, @ 20th St.

California Coordinates Source ______ ft. Accuracy ± ___ ft.
CCN ______ ft. CCE ______ ft.
APN ______

CLIENT
Name Peerless Stages
Address 2026 Brush St. Phone 510-444-1373
City Oakland Zip 94612

APPLICANT
Name Cambria Environmental Tech.
Josh Bergstrom Fax 510-420-9170
Address 1144 65th St., Suite C Phone 510-420-3315
City Oakland Zip 94618

TYPE OF PROJECT
Well Construction
- Cathodic Protection ☐
- Water Supply ☐
- Monitoring ☐

Geotechnical Investigation
- General ☐
- Contamination ☐
- Well Destruction ☐

PROPOSED WATER SUPPLY WELL USE
- New Domestic ☐
- Municipal ☐
- Industrial ☐
- Replacement Domestic ☐
- Irrigation ☐
- Other ______ ☐

DRILLING METHOD:
- Mud Rotary ☐
- Air Rotary ☐
- Auger ☐
- Cable ☐
- Other ☒

DRILLER'S LICENSE NO. C57-705-927

WELL PROJECTS
Drill Hole Diameter ______ in. Maximum
Casing Diameter ______ in. Depth ______ ft.
Surface Seal Depth ______ ft. Number ______

7 geoprobes
10-15 ft
1¼ inch dia.

GEOTECHNICAL PROJECTS
Number of Borings ______ Maximum
Hole Diameter ______ in. Depth ______ ft.

ESTIMATED STARTING DATE ~~10/6/97~~ 10/3/97
ESTIMATED COMPLETION DATE ~~10/6/97~~

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] (Cambria) DATE 9/30/97

FOR OFFICE USE

PERMIT NUMBER 97WR148
WELL NUMBER ______
APN ______

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
(2.) Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
(3.) Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

(D.) GEOTECHNICAL
Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC
Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
See attached.

G. SPECIAL CONDITIONS

APPROVED [signature] DATE 10/3/97

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ATTACHMENT C

Soil Boring Logs

Address: 2026 [illegible] Stages

SB- 1 **MW-**

Project Number:
Geologist: JB
Boring Location: ~~See map~~ shop-side of tanks
Drilling Method: hydraulic push
Date: 10/3/97
Time: 9:15

Depth (ft)	Sample Interval	Time/Blow Cnt.	Well Const.	USC Class.	Soil Type and Comments	Color	Pen. Resist.	Moisture	Odor	Percentages: Clay	Silt	Sand	Gravel	Plasticity	Permeability
					Concrete 2-8"										
5					organics	blk/brn	loose	damp	—	15	80 F	5		vL	[illegible]
					organics	very grey	stiff			25	65	10		M	L
10				SW	organics	grn	~~stiff~~	damp	mild	5	15	80		vL	Low
					@ 18.5	grn brn	loose	wet	—	5	15	80		vL	M
20															
25															

Client: Peerless Stages
Address: 2026 Brush St.

SB- 2 **MW-**

Project Number:
Geologist: JB
Boring Location: down gradient of tanks
Drilling Method:
Date: 10/3/97
Time: 11:10

Depth (ft)	Sample Interval	Time/Blow Cnt.	Well Const.	USC Class.	Soil Type and Comments	Color	Pen. Resist.	Moisture	Odor	Percentages: Clay	Silt	Sand	Gravel	Plasticity	Permeability
					Asphalt 5										
5					organics	brn/tan	stiff		—	15	75	10		L-M	L
10		60 ppm			organics	tan	stiff	moist	—	15	75	10		M	L
					@ 14'	tan	soft		—	10	80	10		L	M
		80 ppm													
15		80 ppm				tan	soft	damp		10	85	5		L-M	L
	▽														
						brn	soft	wet	—	15	10	75		L-M	L
20		B													
25					bkg OVA ~ 20 ppm										
					Water recharged in temp. screen to ~ 10' bgs.										
30															
35															

Address: 2026 Brush St.

SB- 3 **MW-**

Project Number:
Geologist: JB

Boring Location: X-grad. of tanks
Drilling Method:

Date: 10/5/97
Time: 12:20

Depth (ft)	Sample Interval	Time/Blow Cnt.	Well Const.	USC Class.	Soil Type and Comments	Color	Pen. Resist.	Moisture	Odor	Percentages: Clay	Silt	Sand	Gravel	Plasticity	Permeability
					concrete – 6"										
						blk/brn	loose	damp	—	15	80	5		vL	M
5						brn	soft	—	—	10	30	60		L	L-M
					organics	tan	stiff			25	70	5		M	L
15						brn	loose	damp	—	5	15	80		L	M
							sand pocket	→	slight						
20						brn	soft	wet	—	15	10	75		L-M	L
5															

Address: 2026 Brush St., Oakland | SB- 4 | MW-

Project Number:
Boring Location: down-grad. of W.O.
Date: 10/3/97
Geologist: SB
Drilling Method:
Time: 1:20

Depth (ft)	Sample Interval	Time/Blow Cnt.	Well Const.	USC Class.	Soil Type and Comments	Color	Pen. Resist.	Moisture	Odor	Percentages: Clay	Silt	Sand	Gravel	Plasticity	Permeability
					Asphalt										
						blk, brn	loose	damp	—	15	80	5		VL	M
5						brn, tan	stiff	—	—	15	75	10		L-M	L
10					organics	tan w/ green	hard/ stiff	—	—	20	75	5		L-M	L
15					organics	green	loose	moist	mild	5	30	65		L	L-M
						green	loose	wet	mild	5	10	85		VL	M
20						brn	loose	wet	—	5	10	85		VL	M
25															

Water recharged to ~12' bgs in temp. screen.

Client: Peerless Stages
Address: 2026 Brush St.

SB- 5 MW-

Project Number:
Geologist: JB

Boring Location: NE corner of tanks
Drilling Method:

Date: 10/3/97
Time: 3:00

Depth (ft)	Sample Interval	Time/Blow Cnt.	Well Const.	USC Class.	Soil Type and Comments	Color	Pen. Reslst.	Moisture	Odor	Percentages Clay	Silt	Sand	Gravel	Plasticity	Permeability
					Concrete - 8"										
						blk/brn	loose	damp	—	20	75	5		L	M
5						brn	stiff	—	—	10	40	50		L	L
10					organics	brn tan	stiff	—	—	10	70	20		L/M	L
					organics	lite brn	stiff	—	—	10	40	50		L	L/M
					no recovery	brn	loose	—	—	5	40	55		—	M

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ATTACHMENT D

Laboratory Analytic Results

McCAMPBELL ANALYTICAL INC.
110 Second Avenue South, #D7, Pacheco, CA 94553
Telephone : 510-798-1620 Fax : 510-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Environmental Technology	Client Project ID: Peerless Stages	Date Sampled: 10/03/97
1144 65th Street, Suite C		Date Received: 10/03/97
Oakland, CA 94608	Client Contact: Josh Bergstrom	Date Extracted: 10/03/97
	Client P.O:	Date Analyzed: 10/05/97

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with Methyl tert-Butyl Ether* & BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)*	MTBE	Benzene	Toluene	Ethylben-zene	Xylenes	% Recovery Surrogate
81540	SB-3, 16'	S	ND	---	ND	ND	ND	ND	100
81547	SB-5, 15.5'	S	ND	---	ND	ND	ND	ND	99
81548	SB-2	W	ND,i	---	ND	0.70	ND	0.91	106
81549	SB-4	W	120,g,i	---	ND	1.8	0.50	3.7	103
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP and SPLP extracts in ug/L

* cluttered chromatogram; sample peak coelutes with surrogate peak

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant, b) heavier gasoline range compounds are significant(aged gasoline?), c) lighter gasoline range compounds (the most mobile fraction) are significant, d) gasoline range compounds having broad chromatographic peaks are significant, biologically altered gasoline?, e) TPH pattern that does not appear to be derived from gasoline (?), f) one to a few isolated peaks present, g) strongly aged gasoline or diesel range compounds are significant, h) lighter than water immiscible sheen is present, i) liquid sample that contains greater than ~ 5 vol. % sediment, j) no recognizable pattern

DHS Certification No. 1644

Edward Hamilton, Lab Director

TOTAL P.02

McCAMPBELL ANALYTICAL INC.
110 Second Avenue South, #D7, Pacheco, CA 94553
Telephone : 510-798-1620 Fax : 510-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Environmental Technology	Client Project ID: Peerless Stages	Date Sampled: 10/03/97
1144 65th Street, Suite C		Date Received: 10/03/97
Oakland, CA 94608	Client Contact: Josh Bergstrom	Date Extracted: 10/03/97
	Client P.O:	Date Analyzed: 10/03/97

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *

EPA methods modified 3015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d)'	% Recovery Surrogate
81540	SB-3, 16'	S	ND	105
81547	SB-5, 15.5'	S	ND	105
81548	SB-2	W	310,g,i	108
81549	SB-4	W	58,000,d,g,i	108
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	
		S	1.0 mg/kg	

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP / STLC / SPLP extracts in ug/L

' cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

"The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant, b) diesel range compounds are significant, no recognizable pattern, c) aged diesel" is significant), d) gasoline range compounds are significant, e) medium boiling point pattern that does not match diesel (?), f) one to a few isolated peaks present, g) oil range compounds are significant, h) lighter than water immiscible sheen is present, i) liquid sample that contains greater than ~5 vol. % sediment.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.
110 Second Avenue South, #D7, Pacheco, CA 94553
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Cambria Environmental Technology	Client Project ID: Peerless Stages	Date Sampled: 10/03/97
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Oakland, CA 94608	Client Contact: Josh Bergstrom	Date Extracted: 10/03/97
	Client P.O:	Date Analyzed: 10/03/97

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	81549			
Client ID	SB-4			
Matrix	W			
Compound	Concentration			
Bromodichloromethane	ND			
Bromoform[a]	ND			
Bromomethane	ND			
Carbon Tetrachloride[a]	ND			
Chlorobenzene	ND			
Chloroethane	ND			
2-Chloroethyl Vinyl Ether[d]	ND			
Chloroform[a]	ND			
Chloromethane	ND			
Dibromochloromethane	ND			
1,2-Dichlorobenzene	ND			
1,3-Dichlorobenzene	ND			
1,4-Dichlorobenzene	ND			
Dichlorodifluoromethane	ND			
1,1-Dichloroethane	ND			
1,2-Dichloroethane	ND			
1,1-Dichloroethene	ND			
cis 1,2-Dichloroethene	ND			
trans 1,2-Dichloroethene	ND			
1,2-Dichloropropane	ND			
cis 1,3-Dichloropropene	ND			
trans 1,3-Dichloropropene	ND			
Methylene Chloride[g]	ND			
1,1,2,2-Tetrachloroethane	ND			
Tetrachloroethene	ND			
1,1,1-Trichloroethane	ND			
1,1,2-Trichloroethane	ND			
Trichloroethene	ND			
Trichlorofluoromethane	ND			
Vinyl Chloride[g]	ND			
% Recovery Surrogate	102			
Comments	j			

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/l ; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane (d) (2-chloroethoxy) ethene, (e) trichloromethane, (f) dichloromethane, (g) chloroethene, (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment, (j) sample diluted due to high organic content.

DHS Certification No. 1644

Edward Hamilton, Lab Director

XC210 9581 1OF2

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7
PACHECO, CA 94553
(510) 798-1620 FAX (510) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☒ RUSH ☐ 24 HOUR ☐ 48 HOUR ☐ 5 DAY

REPORT TO: Josh Bergstrom BILL TO: Cambria
COMPANY: Cambria Environmental Technology
1144 65th St., Suite C
Oakland, CA 94608
TELE: 510-420-0700 FAX #: 420-9170
PROJECT NUMBER:
PROJECT NAME: Peerless Stages
PROJECT LOCATION: 2026 Brush St., Oakland
SAMPLER SIGNATURE: [signature]

ANALYSIS REQUEST: BTEX & TPH as Gasoline; TPH as Diesel; Total Petroleum Oil & Grease; Total Petroleum Hydrocarbons; EPA 601/8010; EPA 602/8020; EPA 608/8080; EPA 608/8080 - PCBs Only; EPA 624/8240/8260; EPA 625/8270; CAM - 17 Metals; EPA - Priority Pollutant Metals; Lead; Organic Lead; RCI; [redacted]

SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: SOIL	ANALYSIS REQUEST	REMARKS
SB-1, 9.5'		10/3		1		X		hold
SB-1, 15'		↓		↓		X	BTEX & TPH as Gasoline: X; TPH as Diesel: X; [illegible handwritten marks]	
SB-1, 19'		↓		↓		X		hold
SB-2, 5'		↓		↓		X		hold
SB-2, 9'		↓		↓		X		hold
SB-2, 11'		↓		↓		X		hold
SB-2, 15'		↓		↓		X		hold
SB-2, 20'		↓		↓		X		hold
SB-3, 5'		↓		↓		X		hold
SB-3, 10'		↓		↓		X		hold
SB-3, 16'		↓		↓		X	BTEX & TPH as Gasoline: X; TPH as Diesel: X	[illegible]
SB-3, 20'		↓		↓		X		hold

[redacted]

RELINQUISHED BY	DATE	TIME	RECEIVED BY
[signature]	10/3	6:00	[signature] 819
[signature]	10-3	6:15	[signature] MAI
			RECEIVED BY LABORATORY:

REMARKS:

ICE/t° ✓ GOOD CONDITION ✓ HEAD SPACE ABSENT ✓
PRESERVATION ✓ APPROPRIATE CONTAINERS ✓
VOAS | O&G | METALS | OTHER

[redacted]

9581 XC210 2 of 2

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7
PACHECO, CA 94553
(510) 798-1620 FAX (510) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☒ RUSH ☐ 24 HOUR ☐ 48 HOUR ☐ 5 DAY

REPORT TO: Josh Bergstrom BILL TO: Cambria
COMPANY: Cambria Environmental Technology
1144 65th St., Suite C
Oakland, CA 94608
TELE: 510-420-0700 FAX #: 420-9170
PROJECT NUMBER:
PROJECT NAME: Peerless Stages
PROJECT LOCATION: 2026 Bush St. Oakland
SAMPLER SIGNATURE: [signature]

ANALYSIS REQUEST: BTEX & TPH as Gas (602/8020 + 8015) | TPH as Diesel (8015) | Total Petroleum Oil & Grease | Total Petroleum Hydrocarbons (418.1) | EPA 601/8010 | EPA 602/8020 | EPA 608/8080 | EPA 608/8080 - PCBs Only | EPA 624/8240/8260 | EPA 625/8270 | CAM - 17 Metals | EPA - Priority Pollutant Metals | LUFT Metals | Organic Lead | RCI | [redacted]

Sample ID	Location	Date	Time	# Containers	Type Containers	Matrix	BTEX & TPH as Gas	TPH as Diesel	EPA 601/8010	Remarks
SB-4, 10'		10/3		1		Soil				hold
SB-4, 15'		10/3		1		Soil	X	X		hold diesel
SB-4, 19'		10/3		1		Soil				hold
SB-5, 5		10/3		1		Soil				hold
SB-5, 10		10/3		1		Soil				hold
SB-5, 15.5		10/3		1		Soil	X	X		
SB-2		10/3		7	VOA	Water	X	X	X	hold
SB-4		10/3		4	VOA	Water	X	X	X	

Relinquished by	Date	Time	Received by
[signature]	10/3	6:00	[signature] 819
[signature]	10-3	6:42	[signature] MAI
			Received by Laboratory:

REMARKS:

ICE/t° ✓ GOOD CONDITION ✓ HEAD SPACE ABSENT ✓

PRESERVATION ✓ (VOAS | O&G | METALS | OTHER) APPROPRIATE CONTAINERS ✓