GRIBI
ASSOCIATES

June 26, 2006 GA Project No. 157-02-01

Alameda County Health Services Agency
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Attention: Mr. Jerry Wickham

Subject: Report of Soil Removal Activities
533 Exchange Court
Livermore, California

Ladies and Gentleman:

Gribi Associates is pleased to submit this letter report plan on behalf of Pitcock Petroleum documenting the removal of hydrocarbon-impacted soil, collection of confirmation samples, and drilling and sampling of a single soil boring at 533 Exchange Court in Livermore, California (Figure 1 and Figure 2). This report is provided at the request of the Alameda County Health Services Agency, Environmental Protection (ACHSA) in a letter dated October 12, 2005.

BACKGROUND

The project site is an operating bulk fueling facility located south of Interstate 580, near the intersection of South Vasco Road and Brisa Street. Five UST vent lines are present adjacent a concrete wall near the perimeter of the site (see site photos on Figure 3). It is our understanding that fuel hydrocarbons were accidently released from the UST vent lines in the recent past during UST filling.

On December 3, 2004 (with the approval of Mr. John Rigter of Livermore-Pleasanton Fire Department), Gribi Associates conducted an investigation of shallow soils in a landscape area adjacent to UST vent lines. The soil investigation included three shallow (less than 2 feet deep) soil borings. Analysis of collected soil samples showed detectable levels of total petroleum hydrocarbons (TPH) as diesel as high as 410,000 milligrams per kilogram (mg/kg) and TPH as gasoline as high as 410 mg/kg. Soil investigation details were documented in "*Report of Vent Area Sampling*" (Gribi Associates, February 2005). The report concluded that the soil impacts were limited in both vertical and lateral extent, and that the impacts do not appear to be recent, as evidenced by the non-detectable levels of benzene and MTBE in the soil samples.

On January 16, 2006, Gribi Associates submitted a work plan to ACHSA proposing soil removal with confirmation sampling and drilling of a single boring for soil and groundwater sampling. The work plan was approved by ACHSA on February 7, 2006. The workplan provided cleanup goals for site-specific chemicals of concern (COC). The provided cleanup goals were:

- 100 mg/kg Total Petroleum Hydrocarbons as gasoline (TPH-G)
- 100 mg/kg Total Petroleum Hydrocarbons as diesel (TPH-D)
- 0.044 mg/kg benzene
- 2.9 mg/kg toluene
- 3.3 mg/kg ethylbenzene
- 2.3 mg/kg xylenes

FIELD ACTIVITIES

Pre-Field Activities

Prior to conducting soil removal activities, written approval was obtained from ACHS. A permit for the drilling of the soil boring was obtained from Zone 7 Water Agency. A copy of the drilling permit is included as Attachment A.

Prior to implementing drilling activities, the proposed boring location was marked with white paint, and Underground Services Alert (USA) was notified at least 48 hours prior to drilling. In addition, a Site Safety Plan was prepared, and a tailgate safety meeting was conducted with all site workers.

Soil Removal Activities

On May 17, 2006, Gribi Associates excavated an area approximately 4 feet by 8 feet to a depth of approximately 1 foot below surface grade (see Figure 2). The excavation was conducted using a hand tools. Excavated soil was placed in 55-gallon drums pending profile and disposal. Following excavation, four sidewall confirmation samples (CS-1 through CS-4) and one bottom confirmation sample (CS-5) were collected.

On June 9, 2006, based laboratory results of the confirmation soil samples that showed TPH-D levels above the respective clean up goal of 100 mg/kg, the excavation was extended approximately two feet in the direction of CS-3 (total excavation area of 6 feet by 8 feet). The excavation was conducted using hand tools and the excavated soil was placed in 55-gallon drums. An additional confirmation sidewall sample (CS-3A) was collected and laboratory analysis showed levels for all COCs to be within their respective cleanup goals.

Drilling Activities

On June 12, 2006, a single soil boring (SB-1) was drilled by Vironex (C-57 License No. 705927) to a total depth of 30 feet below grade using direct-push hydraulically-driven soil coring equipment. This coring system allowed for the retrieval of almost continuous soil cores, which were contained in a clear plastic acetate tube, nested inside a stainless steel core barrel. After the core barrel was brought to the surface and exposed, the core was examined, logged, and field screened for hydrocarbons by a qualified geologist using sight and smell. Soil cuttings were placed in sealed 55-gallon drums pending laboratory results.

A grab groundwater sample was collected from boring SB-1 by first removing all coring equipment from the open boring and replacing with 3/4-inch diameter well casing. Using 3/8-inch tubing equipped with a check-valve to draw groundwater sample to the surface, groundwater was poured directly into laboratory-supplied containers. Each sample container was tightly sealed, labeled, and placed in cold storage for transport to the laboratory under formal chain-of-custody.

Boring logs for SB-1 are contained in Appendix B. Following completion, the investigative borings was backfilled to match existing grade using cement grout.

Laboratory Analysis of Soil and Water Samples

Eleven soil samples (six confirmation and five soil boring) and one groundwater sample were analyzed for the following parameters:

- USEPA 8015C - Total Petroleum Hydrocarbons as Diesel (TPH-D)
- USEPA 8015Cm - Total Petroleum Hydrocarbons as Gasoline (TPH-G)
- USEPA 8021B - Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)
- USEPA 8021B - Methyl-t-butyl Ether (MTBE)

All analyses were conducted by McCampbell Analytical (a California-certified laboratory) with standard turnaround on results.

RESULTS OF FIELD ACTIVITIES

Soil Removal Activities

On May 17, 2006, an approximate area of 4 feet by 8 feet was excavated to a depth of approximately 1 foot. Following excavation, four sidewall confirmation samples (CS-1 through CS-4) and one bottom confirmation sample (CS-5) were collected. TPH-D was detected above the respective, proposed clean up goal of 100 mg/kg at confirmation soil samples CS-1 (3,700 mg/kg) and CS-3 (130 mg/kg). On June 9, 2006, further excavation in the direction of sample location CS-3

was conducted and a subsequent confirmation sampling of the new sidewall (CS-3A) showed a TPH-D concentration within the cleanup goal. The only other detected chemical of concern was TPH-G, detected at both CS-1 (23 mg/kg) and CS-5 (5.1 mg/kg). These levels are well below the respective clean up goal of 100 mg/kg. No other COC's were detected in the confirmation samples.

Drilling Activities

General Subsurface Conditions

Soils encountered in boring SB-1 consisted primarily of silts and clays to a depth of approximately 13 feet below surface grade followed by generally sandy soils with varying amounts of silty, clays, and coarser grain soils to the termination of the boring at approximately 30 feet in depth. Groundwater was encountered in boring SB-1 at a depth of approximately 25 feet below grade surface.

No hydrocarbon odors or staining were noted in soil and groundwater samples from of boring SB-1.

Laboratory Analytical Results

Laboratory analytical results for the five soil samples collected as part of the drilling activities showed no detectable levels for any of the COCs. The only hydrocarbon detected in the groundwater sample from SB-1 was xylenes, at a concentration of 0.5 micrograms per liter (ug/L), which is also the laboratories limit of detection for xylenes.

Soil and groundwater analytical results for SB-1 are summarized in Table 1 and on Figure 2. The laboratory data report for these analyses is contained in Attachment C.

CONCLUSIONS

Results from the soil excavation and subsequent confirmation soil sampling indicate that a significant amount of impacted soils adjacent to UST vent lines at the site was removed. An elevated TPH-D level of 3,700 mg/kg was reported for confirmation soil sample CS-1, but further excavation of soil in this direction was not possible due to a block wall that surrounds the Pitcock Petroleum site.

Soil samples from soil boring SB-1 drilled within the excavation area showed non detectable levels for all COCs for all five soil samples, which were collected at depths of 5 feet, 10 feet, 15 feet, 20 feet, and 30 feet. The grab groundwater sample from boring SB-1 showed only 0.5 ug/L xylenes, which is also the laboratories limit of detection. Based on the extremely low xylene concentration

reported in groundwater and the reported non-detectable levels for all COCs in all five soil samples, the minor xylene groundwater concentration is more likeley attributable to cross-contamination during the collection of the sample or to laboratory error than to actual hydrocarbon releases to overlying soils.

The analytical results for confirmation samples indicate that soil impacted above the cleanup goal remain below the concrete block wall and concrete and asphalt pavement. However, it appears that tight soils in this area have acted to mitigate vertical migration of contaminants, as evidenced by the soil boring results that show non-detectable levels for COCs in soils at depths of 5 feet and below.

Based on results of these activities, which included removal of a significant amount of petroleum hydrocarbon impacts of shallow soils and soil boring laboratory data that indicate little to no impacts to deeper soils and groundwater, Gribi Associates believes that regulatory site closure is warranted.

We appreciate the opportunity to present this letter report for your review. Please call if you have questions or require additional information. We look forward to working with you on this important project.

Very truly yours,

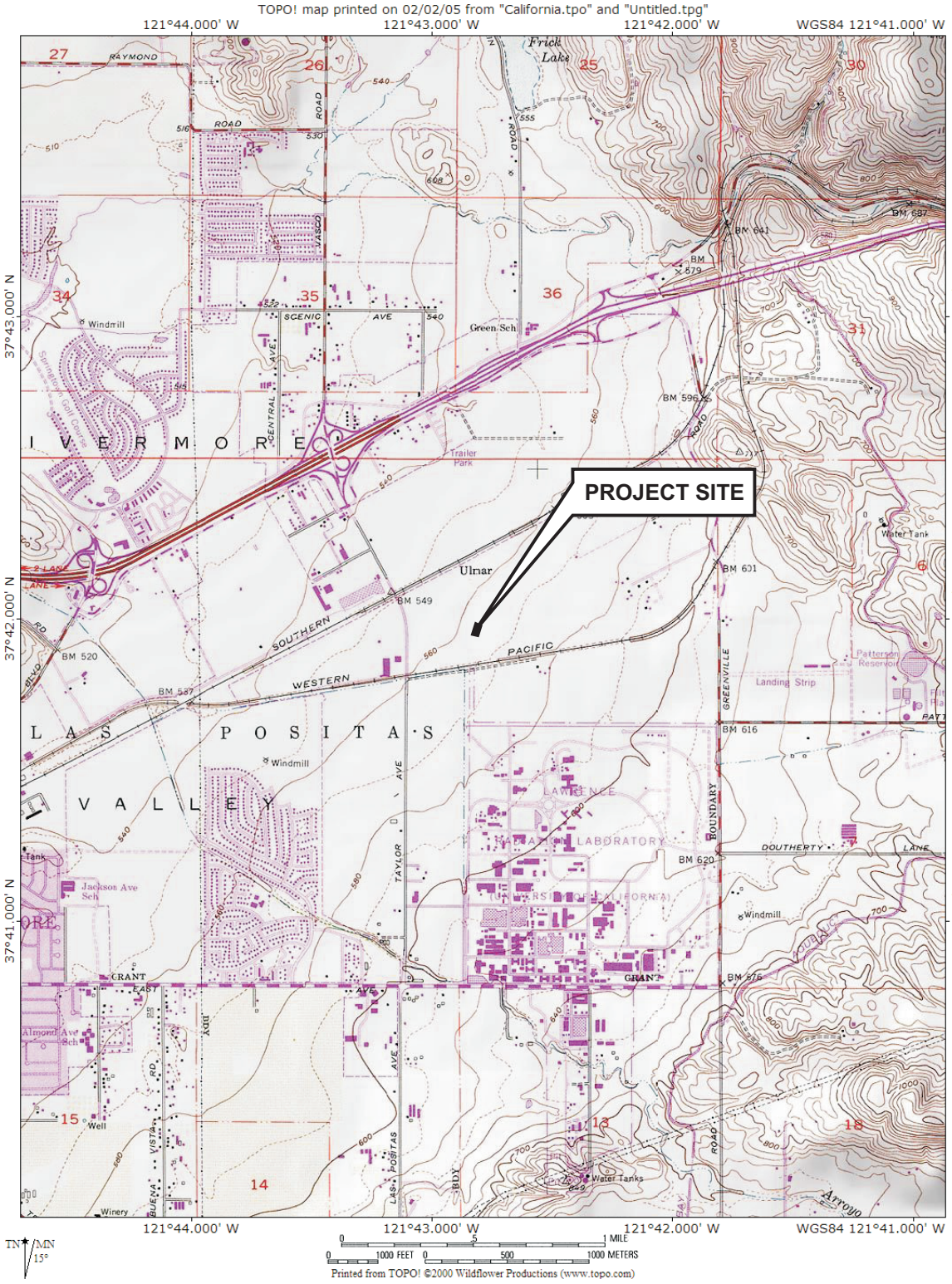
Matthew A. Rosman
Project Engineer

James E. Gribi
Registered Geologist
California No. 5843

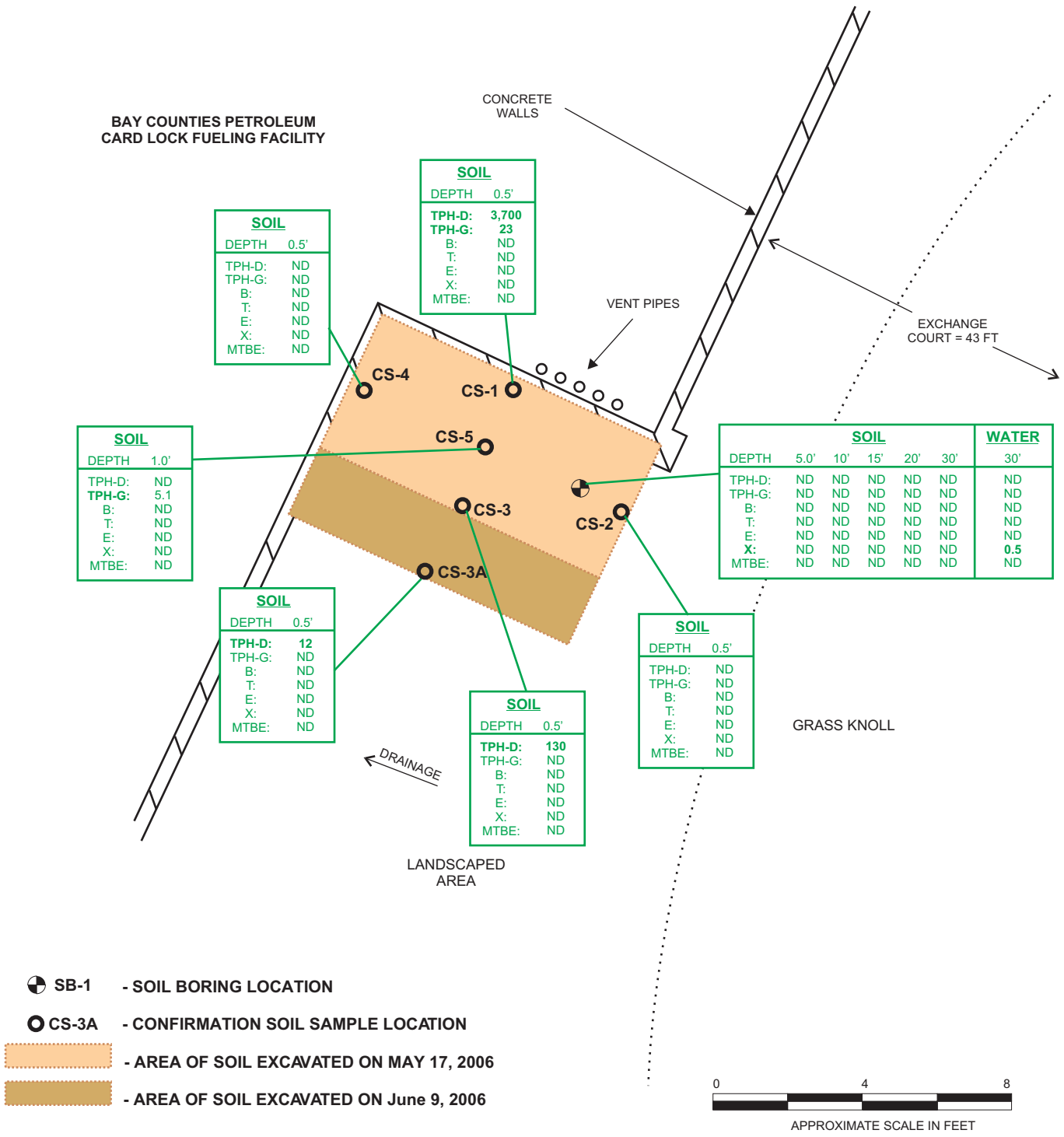
MAR:JEG:ct

cc Jeff Pitcock, Pitcock Petroleum

FIGURES



DESIGNED BY:	CHECKED BY:	**SITE VICINITY MAP**	DATE: 06/21/2006	FIGURE: **1**
DRAWN BY: JG	SCALE:	BAY COUNTIES PETROLEUM 533 EXCHANGE COURT LIVERMORE, CALIFORNIA	**GRIBI Associates**	
PROJECT NO: 157-02-01				



Soil results are in milligrams per kilogram.
Groundwater results are in micrograms per liter.

DESIGNED BY:	CHECKED BY:	**SITE PLAN SHOWING SOIL SAMPLING LOCATIONS** BAY COUNTIES PETROLEUM 533 EXCHANGE COURT LIVERMORE, CALIFORNIA	DATE: 06/21/2006 FIGURE: **2**
DRAWN BY: JG	SCALE:		**GRIBI Associates**
PROJECT NO: 157-02-01			

TABLE

Table 1
SUMMARY OF SOIL LABORATORY ANALYTICAL RESULTS
Pitcock Petroleum, Livermore, CA

Sample ID	*Sample Depth*	*TPH-D*	*TPH-G*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Xylenes*	*MTBE*
EXCAVATION CONFIRMATION SAMPLING								
Soil results in milligrams per kilogram (mg/kg) / parts per million (ppm)								
CS-1	0.5 ft	**3,700**	**23**	<0.005	<0.005	<0.005	<0.005	<0.05
CS-2	0.5 ft	**6.2**	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
CS-3	0.5 ft	**130**	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
CS-3A	0.5 ft.	**12**	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
CS-4	0.5 ft	**6.6**	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
CS-5	0.5 ft	**50**	**5.1**	<0.005	<0.005	<0.005	<0.005	<0.05
SOIL BORING								
Soil results in milligrams per kilogram (mg/kg) / parts per million (ppm)								
SB-1-5'	5.0 f.	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SB-1-10'	10.0 ft	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SB-1-15'	15.0 ft	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SB-1-20'	20.0 ft	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SB-1-30'	30 ft.	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
Water results in micrograms per liter (ug/L) / parts billion (ppb)								
SB-1-GW	30 ft	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0

NOTES:
All excavation confirmation soil samples were collected on May 17, 2006, expect CS-3A, which was collected on June 9, 2006.
All soil boring soil and groundwater samples were collected on June 12, 2006.
TPH-D = Total Petroleum Hydrocarbons as Diesel
TPH-G = Total Petroleum Hydrocarbons as Gasoline
MTBE = Methyl Tert-Butyl Ether
TBA = Tert-Butyl Alcohol
TAME = Tert-amyl Methyl Ether
ETBE = Ethyl tert-butyl ether

ATTACHMENT A

DRILLING PERMIT

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 533 EXCHANGE COURT
LIVERMORE, CALIFORNIA

California Coordinates Source_____ft .Accuracy"_____ft.
CCN_____ft. CCE_____ft.
APN_____

CLIENT
Name BAY COUNTIES PITCOCK PETROLEUM
Address 220 HOOKSTON ROAD Phone 925-934-1200
City PLEASANT HILL, CALIFORNIA Zip 94523

APPLICANT
Name GRIBI ASSOCIATES
Fax 707-748-7763
Address 1090 ADAMS ST, SUITE K Phone 707-748-7743
City BENICIA, CALIFORNIA Zip 94510

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	9	General	9
Water Supply	9	Contamination	X
Monitoring	9	Well Destruction	9

PROPOSED WELL USE

New Domestic	9	Irrigation	9
Municipal	9	Remediation	9
Industrial	9	Groundwater Monitoring	9
Dewatering	9	Other _____	9

DRILLING METHOD:

Mud Rotary	9	Air Rotary	9	Hollow Stem Auger	9
Cable Tool	9	Direct Push	X	Other_____	9

DRILLING COMPANY GREGG DRILLING
DRILLER'S LICENSE NO. C-57 NO. 485165

WELL PROJECTS
Drill Hole Diameter_____in. Maximum
Casing Diameter_____in. Depth_____ft.
Surface Seal Depth_____ft. Number_____

SOIL BORINGS
Number of Borings 1 Maximum
Hole Diameter 2 1/4 in. Depth 40 ft.

ESTIMATED STARTING DATE MARCH 20, 2006
ESTIMATED COMPLETION DATE MARCH 20, 2006

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

APPLICANT'S
SIGNATURE_____Date_____

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER_____
WELL NUMBER_____
APN_____

PERMIT CONDITIONS

(Circled Permit Requirements Apply)

A. GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 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.
3. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
4. A sample port is required on the discharge pipe near the wellhead.

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. Submit to Zone 7 within 60 days after the completion of permitted work the well installation report <u>including all soil and water laboratory analysis results</u>.

Approved_____Date_____
Wyman Hong

Revised: April 27, 2005

ATTACHMENT B

BORING LOG

LOG OF SOIL BORING

GRIBI ASSOCIATES

BORING NUMBER : **SB-1**

BORING LOCATION: 533 EXCHANGE COURT
LIVERMORE, CALIFORNIA

BORING TYPE: SOIL BORING

PROJECT NAME: PITCOCK PETROLEUM

PROJECT NUMBER:

START DATE: 06/12/2006

COMPLETION DATE: 06/12/2006

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: DIRECT-PUSH

BOREHOLE DIAMETER: 2.25 INCHES

COMPLETION METHOD: MONITORING WELL

BORING TOTAL DEPTH: **30.0 FEET**

GROUNDWATER DEPTH: **25.0 FEET**

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER\ WELL INSTALLATION
					CL	0.0 - 5.0 ft. **Clay (CL)** Dark brown, slightly sand, moist to wet, soft, increasing silt with depth, no odor or staining.	
	SB-1-5'	5.0 FT.			ML	5.0 - 7.5 ft. **Silt (ML)** Light brown, moist, soft, increasing clay with depth, no odor or staining.	
					CL	7.5 - 10.0 ft. **Clay (CL)** Brown, moist, stiff, no odor or staining.	
10	SB-1-10'	10.0 FT.			ML	10.0 - 13.0 ft. **Silt (ML)** Brown, very stiff to hard, dry to slightly moist, some clay, no odor or staining.	
	SB-1-15'	15.0 FT.			SW	13.0 - 17.0 ft. **Gravelly Sand (SW)** Brown, fine to coarse sand, fine to medium gravel, dry, no odor or staining.	
					SM	17.0 - 19.0 ft. **Silty Sand (SM)** Brown, very fine grain, moist, no odor or staining.	
20	SB-1-20'	20.0 FT.			SW	19.0 - 22.0 ft. **Sand (SW)** Brown, fine to coarse grain, dry, no odor or staining.	
				▽	SM	22.0 - 25.0 ft. **Silty Sand (SM)** Brown, very fine grain, moist to wet, no odor or staining.	
					SC	25.0 - 30.0 ft. **Clayey Sand (SC)** Brown, , fine grain, moist to wet, no odor or staining.	
30	SB-1-30'	30.0 FT.					

ATTACHMENT C

LABORATORY DATA REPORT

McCampbell Analytical, Inc.

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

Gribi Associates 1090 Adams St., Suite K Benicia, CA 94510	Client Project ID: Pitcock Petroleum	Date Sampled: 05/17/06
		Date Received: 05/18/06
	Client Contact: Matt Rosman	Date Reported: 05/23/06
	Client P.O.:	Date Completed: 05/23/06

WorkOrder: 0605397

May 23, 2006

Dear Matt:

Enclosed are:

1). the results of **5** analyzed samples from your **Pitcock Petroleum project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

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

Best regards,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

Gribi Associates	Client Project ID: Pitcock Petroleum	Date Sampled: 05/17/06
1090 Adams St., Suite K		Date Received: 05/18/06
Benicia, CA 94510	Client Contact: Matt Rosman	Date Extracted: 05/18/06
	Client P.O.:	Date Analyzed: 05/19/06

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0605397

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	CS-1	S	23,g	ND	ND	ND	ND	ND	1	89
002A	CS-2	S	ND	ND	ND	ND	ND	ND	1	91
003A	CS-3	S	ND	ND	ND	ND	ND	ND	1	93
004A	CS-4	S	ND	ND	ND	ND	ND	ND	1	91
005A	CS-5	S	5.1,g	ND	ND	ND	ND	ND	1	92

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0605397

EPA Method: SW8021B/8015Cm	Extraction: SW5030B	BatchID: 21767	Spiked Sample ID: 0605392-001a

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	102	101	1.15	102	98.7	3.79	70 - 130	70 - 130
MTBE	ND	0.10	105	109	4.09	104	104	0	70 - 130	70 - 130
Benzene	ND	0.10	96.4	101	5.10	97.3	95.6	1.84	70 - 130	70 - 130
Toluene	ND	0.10	95.4	100	4.61	96.8	95.3	1.58	70 - 130	70 - 130
Ethylbenzene	ND	0.10	96.2	99.4	3.24	97.6	96.1	1.55	70 - 130	70 - 130
Xylenes	ND	0.30	94	94.3	0.354	94.3	90	4.70	70 - 130	70 - 130
%SS:	92	0.10	102	106	3.33	103	102	1.11	70 - 130	70 - 130

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

NONE

BATCH 21767 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0605397-001A	5/17/06 1:00 PM	5/18/06	5/19/06 2:11 AM	0605397-002A	5/17/06 1:04 PM	5/18/06	5/19/06 2:44 AM
0605397-003A	5/17/06 1:07 PM	5/18/06	5/19/06 9:36 PM	0605397-004A	5/17/06 1:10 PM	5/18/06	5/19/06 4:24 AM
0605397-005A	5/17/06 1:12 PM	5/18/06	5/19/06 4:57 AM				

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

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

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0605397 **ClientID: GRIB** **EDF: NO**

Report to:
Matt Rosman
Gribi Associates
1090 Adams St., Suite K
Benicia, CA 94510

TEL: (707) 748-7743
FAX: (707) 748-7763
ProjectNo: Pitcock Petroleum
PO:

Bill to:
Jim Gribi
Gribi Associates
1090 Adams St., Suite K
Benicia, CA 94510

Requested TAT: 5 days

Date Received: **05/18/2006**
Date Printed: **05/18/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0605397-001	CS-1	Soil	05/17/2006	☐	A											
0605397-002	CS-2	Soil	05/17/2006	☐	A											
0605397-003	CS-3	Soil	05/17/2006	☐	A											
0605397-004	CS-4	Soil	05/17/2006	☐	A											
0605397-005	CS-5	Soil	05/17/2006	☐	A											

Test Legend:

1	G-MBTEX_S	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Kathleen Owen

Comments:

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

0605397

McCAMPBELL ANALYTICAL, INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF ☐ PDF ☒ Excel ☐ Write On (DW) ☐

Report To: Bill To:

Company: GRIBI ASSOCIATES
1090 ADAMS ST, SUITE K
BENICIA, CA 94510 E-Mail:

Tele: (707) 748-7743 Fax: (707) 748-7763

Project #: Project Name: Pitcock Petroleum

Project Location: Livermore, CA

Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
CS-1		5/17	1300	1	jar		X				X			
CS-2			1304				X				X			
CS-3			1307				X				X			
CS-4			1310				X				X			
CS-5			1312				X				X			

Analysis Request

BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other	Comments
X																	Filter Samples for Metals analysis: Yes / No
X																	
X																	
X																	
X																	

Relinquished By:	Date:	Time:	Received By:
	5/13/06	1515	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

COMMENTS:

PRESERVATION	VOAS	O&G	METALS	OTHER
			pH<2	

McCampbell Analytical, Inc.

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

Gribi Associates 1090 Adams St., Suite K Benicia, CA 94510	Client Project ID: Pitcock Petroleum	Date Sampled: 05/17/06
		Date Received: 05/18/06
	Client Contact: Matt Rosman	Date Reported: 06/05/06
	Client P.O.:	Date Completed: 06/05/06

WorkOrder: 0605397

June 05, 2006

Dear Matt:

Enclosed are:

1). the results of **5** analyzed samples from your **Pitcock Petroleum project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

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

Best regards,

Angela Rydelius, Lab Manager

RECEIVED
Date: 6/8/06

McCampbell Analytical, Inc.

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

Gribi Associates	Client Project ID: Pitcock Petroleum	Date Sampled: 05/17/06
1090 Adams St., Suite K		Date Received: 05/18/06
Benicia, CA 94510	Client Contact: Matt Rosman	Date Extracted: 05/30/06
	Client P.O.:	Date Analyzed: 05/30/06-05/31/06

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

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0605397

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0605397-001A	CS-1	S	3700,c	50	105
0605397-002A	CS-2	S	6.2,c	1	106
0605397-003A	CS-3	S	130,c	1	105
0605397-004A	CS-4	S	6.6,a	1	105
0605397-005A	CS-5	S	50,c	1	92

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/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) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) results are reported on a dry weight basis.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0605397

EPA Method: SW8015C	Extraction: SW3550C	BatchID: 21928	Spiked Sample ID: 0605590-027b

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	1.6	20	87.4	86.1	1.35	89.6	91.1	1.67	70 - 130	70 - 130
%SS:	94	50	97	95	1.95	95	96	1.18	70 - 130	70 - 130

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

NONE

BATCH 21928 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0605397-001A	5/17/06 1:00 PM	5/30/06	5/31/06 5:13 AM	0605397-002A	5/17/06 1:04 PM	5/30/06	5/30/06 4:32 PM
0605397-003A	5/17/06 1:07 PM	5/30/06	5/30/06 3:19 PM	0605397-004A	5/17/06 1:10 PM	5/30/06	5/30/06 4:32 PM
0605397-005A	5/17/06 1:12 PM	5/30/06	5/30/06 3:39 PM				

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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

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

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0605397 **ClientID: GRIB** **EDF: NO**

Report to:
Matt Rosman
Gribi Associates
1090 Adams St., Suite K
Benicia, CA 94510

TEL: (707) 748-7743
FAX: (707) 748-7763
ProjectNo: Pitcock Petroleum
PO:

Bill to:
Jim Gribi
Gribi Associates
1090 Adams St., Suite K
Benicia, CA 94510

Requested TAT: 5 days
Date Received: 05/18/2006
Date Add-On: 05/30/2006
Date Printed: 05/30/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0605397-001	CS-1	Soil	5/17/06 1:00:00 PM	☐	A											
0605397-002	CS-2	Soil	5/17/06 1:04:00 PM	☐	A											
0605397-003	CS-3	Soil	5/17/06 1:07:00 PM	☐	A											
0605397-004	CS-4	Soil	5/17/06 1:10:00 PM	☐	A											
0605397-005	CS-5	Soil	5/17/06 1:12:00 PM	☐	A											

Test Legend:

1	TPH(D)_S	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Kathleen Owen

Comments: 001-005 added TPH(D) on 5d 5/30/06

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

0605397

McCAMPBELL ANALYTICAL, INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF ☐ PDF ☒ Excel ☐ Write On (DW) ☐

Report To: Bill To:

Company: GRIBI ASSOCIATES
1090 ADAMS ST, SUITE K
BENICIA, CA 94510 E-Mail:

Tele: (707) 748-7743 Fax: (707) 748-7763

Project #: Project Name: Pitcock Petroleum

Project Location: Livermore, CA

Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
CS-1		5/17	1300	1	jar		X				X			
CS-2			1304				X				X			
CS-3			1307				X				X			
CS-4			1310				X				X			
CS-5			1312				X				X			

Analysis Request

BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015) added 5/30/06 SCL	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)
X	X														
X	X														
X	X														
X	X														
X	X														

Other

Comments: Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
	5/13/06	1515	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

COMMENTS:

PRESERVATION	VOAS	O&G	METALS	OTHER
			pH<2	

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0606247 **ClientID: GRIB** **EDF: NO**

Report to:
Matt Rosman
Gribi Associates
1090 Adams St., Suite K
Benicia, CA 94510

TEL: (707) 748-7743
FAX: (707) 748-7763
ProjectNo: Pitcock Petroleum
PO:

Bill to:
Jim Gribi
Gribi Associates
1090 Adams St., Suite K
Benicia, CA 94510

Requested TAT: 5 days

Date Received: **06/09/2006**
Date Printed: **06/09/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0606247-001	CS-3A	Soil	6/9/06 3:15:00 PM	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	TPH(D)_S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Kathleen Owen

Comments:

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

McCampbell Analytical, Inc.

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

Gribi Associates 1090 Adams St., Suite K Benicia, CA 94510	Client Project ID: Pitcock Petroleum	Date Sampled: 06/12/06
		Date Received: 06/12/06
	Client Contact: Matt Rosman	Date Reported: 06/16/06
	Client P.O.:	Date Completed: 06/16/06

WorkOrder: 0606272

June 16, 2006

Dear Matt:

Enclosed are:

1). the results of **6** analyzed samples from your **Pitcock Petroleum project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

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

Best regards,

Angela Rydelius, Lab Manager

RECEIVED
Date: 6/19/2006

McCampbell Analytical, Inc.

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

Gribi Associates	Client Project ID: Pitcock Petroleum	Date Sampled: 06/12/06
1090 Adams St., Suite K		Date Received: 06/12/06
Benicia, CA 94510	Client Contact: Matt Rosman	Date Extracted: 06/12/06-06/14/06
	Client P.O.:	Date Analyzed: 06/13/06-06/14/06

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0606272

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	SB-1-5'	S	ND	ND	ND	ND	ND	ND	1	97
002A	SB-1-10'	S	ND	ND	ND	ND	ND	ND	1	92
003A	SB-1-15'	S	ND	ND	ND	ND	ND	ND	1	102
004A	SB-1-20'	S	ND	ND	ND	ND	ND	ND	1	101
005A	SB-1-30'	S	ND	ND	ND	ND	ND	ND	1	90
006A	SB-1-GW	W	ND,i	ND	ND	ND	ND	0.50	1	106
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

Gribi Associates	Client Project ID: Pitcock Petroleum	Date Sampled: 06/12/06
1090 Adams St., Suite K		Date Received: 06/12/06
Benicia, CA 94510	Client Contact: Matt Rosman	Date Extracted: 06/12/06
	Client P.O.:	Date Analyzed: 06/13/06-06/14/06

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

Extraction method: SW3510C/SW3550C Analytical methods: SW8015C Work Order: 0606272

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0606272-001A	SB-1-5'	S	ND	1	88
0606272-002A	SB-1-10'	S	ND	1	89
0606272-003A	SB-1-15'	S	ND	1	89
0606272-004A	SB-1-20'	S	ND	1	87
0606272-005A	SB-1-30'	S	ND	1	88
0606272-006B	SB-1-GW	W	ND,i	1	108

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/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) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) results are reported on a dry weight basis.

McCampbell Analytical, Inc.

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0606272

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 22156 Spiked Sample ID: 0606274-004A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	60	110	113	2.17	108	110	2.52	70 - 130	70 - 130
MTBE	ND	10	95.8	106	9.99	103	103	0	70 - 130	70 - 130
Benzene	ND	10	102	106	3.55	102	104	2.03	70 - 130	70 - 130
Toluene	ND	10	95.9	99.2	3.38	98.5	98.9	0.386	70 - 130	70 - 130
Ethylbenzene	ND	10	101	104	3.05	103	104	0.611	70 - 130	70 - 130
Xylenes	ND	30	91	95.7	5.00	95	96	1.05	70 - 130	70 - 130
%SS:	104	10	103	101	1.97	104	100	3.88	70 - 130	70 - 130

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

NONE

BATCH 22156 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606272-006A	6/12/06 11:00 AM	6/13/06	6/13/06 10:55 AM				

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

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

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0606272

EPA Method: SW8021B/8015Cm	Extraction: SW5030B	BatchID: 22157	Spiked Sample ID: 0606272-004A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	100	103	3.16	101	104	2.25	70 - 130	70 - 130
MTBE	ND	0.10	95.2	97.4	2.28	97.8	103	5.58	70 - 130	70 - 130
Benzene	ND	0.10	89.8	93.4	3.94	93.4	98	4.79	70 - 130	70 - 130
Toluene	ND	0.10	89.2	92.8	3.96	92.7	95.5	2.97	70 - 130	70 - 130
Ethylbenzene	ND	0.10	90.2	95.1	5.32	93.1	94.3	1.24	70 - 130	70 - 130
Xylenes	ND	0.30	89	90.7	1.86	89.3	89.3	0	70 - 130	70 - 130
%SS:	101	0.10	101	90	11.5	104	102	1.94	70 - 130	70 - 130

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

NONE

BATCH 22157 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606272-001A	6/12/06 9:32 AM	6/12/06	6/14/06 11:41 AM	0606272-002A	6/12/06 9:35 AM	6/12/06	6/13/06 5:08 AM
0606272-003A	6/12/06 9:40 AM	6/12/06	6/13/06 6:36 AM	0606272-004A	6/12/06 9:45 AM	6/12/06	6/13/06 7:36 AM
0606272-005A	6/12/06 10:15 AM	6/12/06	6/13/06 9:06 AM				

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

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

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.

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

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0606272

EPA Method: SW8015C	Extraction: SW3510C	BatchID: 22159	Spiked Sample ID: N/A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	115	110	4.36	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	115	116	0.686	N/A	70 - 130

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

NONE

BATCH 22159 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606272-006B	6/12/06 11:00 AM	6/12/06	6/14/06 8:11 AM				

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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

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

DHS ELAP Certification N° 1644

QA/QC Officer

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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0606272

EPA Method: SW8015C	Extraction: SW3550C	BatchID: 22144	Spiked Sample ID: 0606247-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	12	20	106	107	0.686	111	109	1.14	70 - 130	70 - 130
%SS:	98	50	109	110	0.373	111	110	1.25	70 - 130	70 - 130

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

NONE

BATCH 22144 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606272-001A	6/12/06 9:32 AM	6/12/06	6/13/06 10:45 PM	0606272-002A	6/12/06 9:35 AM	6/12/06	6/13/06 11:53 PM
0606272-003A	6/12/06 9:40 AM	6/12/06	6/14/06 1:02 AM	0606272-004A	6/12/06 9:45 AM	6/12/06	6/14/06 2:10 AM
0606272-005A	6/12/06 10:15 AM	6/12/06	6/14/06 5:35 AM				

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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

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

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0606272 **ClientID: GRIB** **EDF: NO**

Report to:
Matt Rosman
Gribi Associates
1090 Adams St., Suite K
Benicia, CA 94510

TEL: (707) 748-7743
FAX: (707) 748-7763
ProjectNo: Pitcock Petroleum
PO:

Bill to:
Jim Gribi
Gribi Associates
1090 Adams St., Suite K
Benicia, CA 94510

Requested TAT: 5 days

Date Received: **06/12/2006**
Date Printed: **06/12/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0606272-001	SB-1-5'	Soil	6/12/06 9:32:00 AM	☐	A		A									
0606272-002	SB-1-10'	Soil	6/12/06 9:35:00 AM	☐	A		A									
0606272-003	SB-1-15'	Soil	6/12/06 9:40:00 AM	☐	A		A									
0606272-004	SB-1-20'	Soil	6/12/06 9:45:00 AM	☐	A		A									
0606272-005	SB-1-30'	Soil	6/12/06 10:15:00	☐	A		A									
0606272-006	SB-1-GW	Water	6/12/06 11:00:00	☐		A		B								

Test Legend:

1	G-MBTEX_S	2	G-MBTEX_W	3	TPH(D)_S	4	TPH(D)_W	5	
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments:

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

0606272

McCAMPBELL ANALYTICAL, INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF ☐ PDF ☒ Excel ☐ Write On (DW) ☐

Report To: Matthew Rasmay Bill To:
Company: Gribi Associates
1090 Adams St, #K
Benicia, CA 94510 E-Mail:
Tele: (707) 748-7743 Fax: (707) 748-7763
Project #: Project Name: Diftock Petroleum
Project Location: Livermore, CA
Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other	Comments
SB-1-5'		6/12	0932	1	jar		X				X				X	X																
SB-1-10'		6/12	0935	1	jar		X				X				X	X																
SB-1-15'		6/12	0940	1	jar		X				X				X	X																
SB-1-20		6/12	0945	1	jar		X				X				X	X																
SB-1-30'		6/12	~~0945~~ 1015	1	jar		X				X				X	X																
SB-1-GW		6/12	~~1015~~ 1100	1	jar	X					X	X			X	X																

x20

Relinquished By:	Date:	Time:	Received By:
	6/12	1345	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION VOAS ✓ O&G METALS OTHER pH<2

COMMENTS:

Filter Samples for Metals analysis: Yes / No