



ENVIRONMENTAL  
PROTECTION

98 DEC 30 PM 5:40  
**INTER-COMPANY MEMORANDUM**

STD 1272

**To:** Tom Peacock - ACHA-DEP

**Date:** 29 December 1998

**From:** Woody Lovejoy - ProTech (u)

**cc:** Project File

**Re:** Letter Reports - 969 San Pablo Avenue, Albany

Tom:

As directed by Susan Hugo, I am forwarding these documents to you. Ms. Hugo has informed me that you will be taking over responsibility for this site

As we discussed, here are copies of the letter reports prepared for the above-referenced site. The May 1998 report was prepared to document groundwater sampling, performed at the site during the due diligence investigation, prior to Kelly-Moore's purchase of the property. The December 1998 report was prepared to document the removal and closure of 5 hydraulic lifts at the site.

As agreed with Ms. Hugo, Kelly-Moore will be installing two new wells on the site. One is to gain groundwater data up-gradient of the former UST location and the second is to better monitor groundwater in the vicinity of former hydraulic ram #1. We will be preparing a workplan in January for this work and will be sending it to you for review and approval.

Please review this information and let me know if you have any questions and/or comments. The best way to reach me is to page me(415.998.1992).

Thank you for your help with this project.



ENVIRONMENTAL  
PROTECTION

30 DEC 99 PM 3:40

CONSULTING & ENGINEERING

ENVIRONMENTAL SERVICES

23 December 1998

Mr. W. E. Berry  
Manager Store Planning & Real Estate  
**Kelly-Moore Paint Company**  
987 Commercial Street, PO Box 3016  
San Carlos, CA 94070

**Re: Letter Report**  
**Hydraulic Lift Removal**  
**969 San Pablo Avenue, Albany, California**  
**ProTech Project #731-OH98**

Dear Mr. Berry:

We have prepared this letter report to document the closure of five hydraulic lifts that were present at the above-referenced site (Figures 1 and 2). The scope-of-work performed and the results of soil sample analyses are described below. Tables, Figures, and laboratory reports and chain-of-custody (COC) forms are attached.

### **Scope-of-Work**

#### Hydraulic Lift Removal

On 12 September 1998, five hydraulic rams were excavated and removed from their in-ground locations. The rams were wrapped in plastic and transported to Kelly/Moore's paint processing plant in San Carlos for proper handling and disposal. Kelly/Moore drained the rams of oil, placed the drained oil into their recycling waste oil container in San Carlos, and recycled the rams at SimsMetal America (Attachment 1). Soil was excavated during the ram removal and stockpiled on-site. The ram locations and numbering scheme is shown on Figure 3.

Ram #1 was excavated to approximately 8.5 feet below grade (fbg).<sup>1</sup> The ram was compromised, in bad condition and appeared to have leaked. Soil was stained grey and had a strong petroleum odor. The excavation was extended down to 8.5 fbg in an attempt to clean out the contamination prior to sampling. A soil sample (#1) was collected from approximately 8.5 fbg by driving a brass tube into a backhoe bucket full of soil from this depth. The tube was capped, labeled and placed on ice pending transport to ChromaLab, Inc. (ChromaLab), of Pleasanton, a California-certified analytical laboratory.

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<sup>1</sup> Depth-to-water (DTW) was measured in May in the two on-site groundwater monitor wells at between 7.33 and 7.52 fbg.

Ram #2 was excavated down to approximately 7 fbg. The ram was in good condition with its bitumen coating still intact, and did not appear to have leaked. The soil exposed during excavation did not indicate the presence of petroleum hydrocarbons. No soil sample was collected from this excavation.

Ram #3 was excavated down to approximately 7 fbg. The ram was in good condition with its bitumen coating still intact, and did not appear to have leaked. The soil exposed during excavation did not indicate the presence of petroleum hydrocarbons. No soil sample was collected from this excavation.

Ram #4 was excavated to approximately 10 fbg. The ram appeared to be in good condition, but the exposed soil indicated that leakage had occurred. Soil was stained grey and had a faint petroleum odor. The excavation was extended down to 10 fbg in an attempt to clean out the contamination prior to sampling. A soil sample (#4) was collected from approximately 10 fbg by driving a brass tube into a backhoe bucket full of soil from this depth. The tube was capped, labeled and placed on ice pending transport to ChromaLab.

Ram #5 was excavated to approximately 8 fbg. The ram appeared to be in good condition, but the exposed soil indicated that leakage had occurred. Soil was stained grey and had a faint petroleum odor. The excavation was extended down to 8 fbg in an attempt to clean out the contamination prior to sampling. A soil sample (#5) was collected from approximately 8 fbg by driving a brass tube into a backhoe bucket full of soil from this depth. The tube was capped, labeled and placed on ice pending transport to ChromaLab.

The excavated soil was segregated based on odors and visual inspection, and stockpiled into "likely dirty" and "likely clean" piles. Shallow soil (upper 3 feet of soil) from all five ram excavations were stockpiled as "likely clean." Soil excavated from around rams #s 2 and 3 were also stockpiled as "likely clean." Soil from ram #s 1, 4 and 5 were stockpiled as "likely dirty." Four soil samples (SP-1, 2, 3, 4) were collected from the two "likely dirty" stockpiles that were generated. The samples were collected by driving a brass tube into a backhoe bucket full of soil from this depth. The tube was capped, labeled and placed on ice pending transport to ChromaLab.

Additional soil was removed from Pit #1 on 10 October 1998. An additional 2 feet of soil was removed from the pit and stockpiled with the "likely dirty" soil. The excavation was extended to 10.5 fbg, where soil was removed for the collection of a sample. The sample (#1-2) was collected by driving a brass tube into a backhoe bucket full of soil from the 10.5 fbg depth. The tube was capped, labeled and placed on ice pending transport to ChromaLab.

### Soil Sample Analyses

The results of soil sample analyses are presented below. They are tabled in Table 1, and shown on Figure 3. Laboratory reports and COC forms are included as Attachment 2.

The three soil samples (#1, #4, and #5) that were collected from soil from the bottom of the

excavations for the rams were analyzed for: the five LUFT metals (cadmium (Cd), total chromium (Cr), lead (Pb), nickel (Ni), and zinc (Zn)); total extractible petroleum hydrocarbons, characterized as hydraulic oil (TEPH-ho); and aromatic hydrocarbons (benzene, toluene, ethyl-benzene, and xylenes, [BTEX]).

The results of LUFT metals analyses indicated that soil from the pits were within expected, and regulatory acceptable ranges for each of the five metals. Results of TEPH-ho analyses indicated soil from pit #1 contained 500 parts-per-million (ppm), while soil from pit #s 4 and 5 were both below the method detection limit (MDL). Results of BTEX analyses indicated that all three pit soil samples were below the MDLs for each compound.

The composite group (SP-1, 2, 3, 4) collected from the "likely dirty" stockpiles were analyzed for LUFT metals, TEPH-ho, BTEX, and volatile organic compounds (VOCs). The results for LUFT metals analyses indicated that all five metals were within expected, and regulatory acceptable concentrations. Results of the TEPH-ho analysis indicated that 1900 ppm was present in the soil composite sample. Results of the BTEX analyses were all below MDLs for the analyzed compounds. Results of VOCs analyses were also below MDLs for the analyzed compounds.

Given the analytical results from pit #1, an additional sample (#1-2) was collected for analysis for TEPH-ho only. Results of this analysis indicated that TEPH-ho was present at 1400 ppm.

#### Management of Stockpiled Soil

Four stockpiles were created during this work, two were "likely clean" and two are "likely dirty." The locations and designation of the stockpiles are shown on Figure 3. Approximately 18 yds<sup>3</sup> of "likely dirty" soil was generated during the removal of the 5 hydraulic rams. The results of stockpile analysis and a profile request form were submitted to Forward Landfill of Manteca, California (Forward), a Subtitle D - Class II - "designated" landfill, for their review and acceptance. The soil was accepted by Forward as a Class II - "designated" solid waste. The soil was loaded and transported to Forward on 10 October 1998 for proper disposal. The non-hazardous waste manifest is included as Attachment 3.

#### Conclusions

The five hydraulic rams were removed from the site on 12 September 1998. Excavated soil from the upper 3 feet of each excavation and the soil from Pit #2 and 3 were stockpiled as "likely clean" because there was no visual or olfactory evidence of contamination. Excavated soil from below 3 feet in pit #s 1, 4, and 5 were stockpiled as "likely dirty" because there was visual and olfactory evidence of contamination. Soil samples were collected from soil from the bottom of the excavations for pit #s 1, 4, and 5 for analysis for LUFT metals, TEPH-ho, and BTEX. Results indicated that soil from pit #s 4 and 5 were within expected ranges for metals and below the MDLs for TEPH-ho and BTEX, while soil from pit #1 was within the expected ranges for LUFT metals, contained 500 ppm TEPH-ho, and was below the MDLs for BTEX. The second sample (#1-2) collected from pit #1 was analyzed for TEPH-ho and found to contain 1400 ppm.

Mr. W. E. Berry  
23 December 1998  
page 4

The "likely dirty" stockpile soil composite sample contained TEPH-ho at 1900 ppm, was within acceptable ranges for LUFT metals and was below the MDLs for BTEX and VOCs. The soil was profiled at Forward as a non-hazardous, Class II - "designated" waste. The soil was loaded, transported, and disposed of at Forward on 10 October 1998.

The 5 pits were backfilled with the approval of the Alameda County Health Agency - Division of Environmental Protection (County) after the results of sampling were transmitted to them for review and approval. The "likely clean" soil was used, with County approval, to top off the excavations after engineered fill was used as backfill, especially in the area below the water table.

The remaining contamination in pit #1 is below the water table at the site. Since there are two groundwater monitor wells on-site and two more are being planned, monitoring for TEPH-ho will be added to the analysis protocol.

Please review this letter report and attached information and let me know if you have any questions and/or comments (650.569.4020). We look forward to continuing work on this project if the purchase is successful.

Sincerely,  
PROTECH CONSULTING AND ENGINEERING



Sherwood Lovejoy, Jr.  
Principal Environmental Assessor  
Cal-REA #03171

Table: 1 - LUFT Metals, and TPH Analytical Results  
2 - VOC Analytical Results

Figure: 1 - Site Location Map  
2 - Site Vicinity Map  
3 - Site Plan w/ Analytical Results

Attachment: 1 - SimsMetal America Documentation  
2 - Laboratory Reports and COC Forms  
3 - Non-Hazardous Waste Manifest

**TABLES**

**TABLE 1: LUFT METALS, and TPH ANALYTICAL RESULTS**  
**Hydraulic Lift Removal - Pit Soil Sampling**  
**Kelly-Moore Paint, 969 San Pablo Avenue, Albany, California**

Constituent	Sample #				
	#1	#1-2	#4	#5	SP-1,2,3,4
Matrix	Soil	Soil	Soil	Soil	Soil
<b>Total Metals (mg/kg)</b>					
Cadmium	ND(0.5)	--	ND(0.5)	ND(0.5)	ND(0.5)
Total Chromium	32	--	40	25	42
Lead	3.7	--	9.6	3.7	4.2
Nickel	57	--	110	35	46
Zinc	31	--	38	22	30
<b>Total Petroleum Hydrocarbon Analysis (mg/kg)</b>					
TEPH - ho	500	1400	ND(50)	ND(50)	1900
Benzene	ND(0.005)	--	ND(0.005)	ND(0.005)	ND(0.005)
Toluene	ND(0.005)	--	ND(0.005)	ND(0.005)	ND(0.005)
Ethyl Benzene	ND(0.005)	--	ND(0.005)	ND(0.005)	ND(0.005)
Total Xylenes	ND(0.005)	--	ND(0.005)	ND(0.005)	ND(0.005)
Notes:	#1 = Pit number and sample number; #1-2 =deeper sample in same pit #; SP-1,2,3,4 = stockpiled soil sample; ND(0.5) = not detected (detection limit), TEPH-ho = total extractible petroleum hydrocarbons, characterized as hydraulic oil; Total Chromium = trivalent and hexavalent forms, Total Xylenes = three isomers (ortho, meta, and para).				

**TABLE 2: VOC ANALYTICAL RESULTS**  
**Hydraulic Lift Removal - Pit Soil Sampling**  
**Kelly-Moore Paint, 969 San Pablo Avenue, Albany, California**

Constituent	Matrix	Soil
		SP-1,2,3,4
Acetone		ND(50)
Benzene		ND(5)
Bromodichloromethane		ND(5)
Bromoform		ND(5)
Bromomethane		ND(10)
2-Butanone (MEK)		ND(50)
Carbon Tetrachloride		ND(5)
Chlorobenzene		ND(5)
Chloroethane		ND(5)
2-Chloroethylvinylether		ND(10)
Chloroform		ND(5)
Chloromethane		ND(10)
Dibromochloromethane		ND(5)
1,1-Dichloroethane		ND(5)
1,2-Dichloroethane		ND(5)
1,1-Dichloroethylene		ND(5)
cis 1,2-Dichloroethylene		ND(5)
trans 1,2-Dichloroethylene		ND(5)
1,2-Dichloropropane		ND(5)
1,2-Dichloropropene		ND(5)
trans-1,3-Dichloropropene		ND(5)
Ethyl Benzene		ND(5)
2-Hexanone (MBK)		ND(50)
Methylene Chloride		ND(5)
4-Methyl-2-Pentanone (MIBK)		ND(50)
Styrene		ND(5)
1,1,2,2-Tetrachloroethane		ND(5)
Tetrachloroethylene		ND(5)
Toluene		ND(5)
1,1,1-Trichloroethane		ND(5)

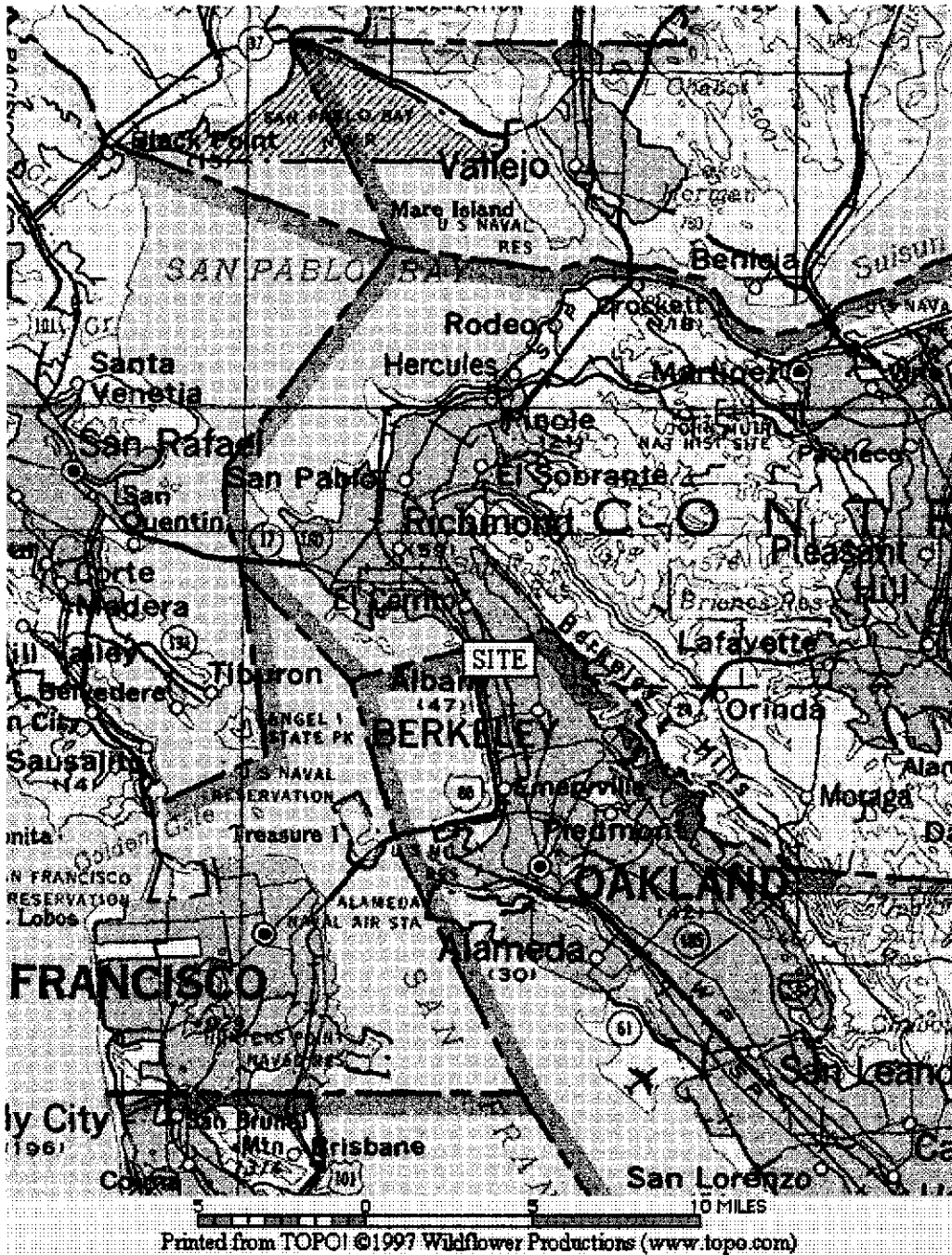


**TABLE 2: VOC ANALYTICAL RESULTS**  
**Hydraulic Lift Removal - Pit Soil Sampling**  
**Kelly-Moore Paint, 969 San Pablo Avenue, Albany, California**

Constituent	Matrix	SP-1,2,3,4
		Soil
1,1,2-Trichloroethane		ND(5)
Trichloroethylene		ND(5)
Trichlorofluoromethane		ND(5)
Vinyl Acetate		ND(5)
Vinyl Chloride		ND(5)
Total Xylenes		ND(5)

Notes: Sp-1,2,3,4 = stockpiled soil sample; ND(5) = not detected (detection limit).

## FIGURES



# ProTech Consulting & Engineering

Job No. 980116	Date 22 Dec 1998	Drawn by WL	Rev. WL	Apprvd. WL
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Project

Site Location Map  
 Hydraulic Lift Removal Program  
 Kelly-Moore Paint Compant  
 969 San Pablo Avenue, Albany, CA



Figure

1



# ProTech Consulting & Engineering

Job No. 980116

Date 22 Dec 1998

Drawn by WL

Rev. WL

Apprvd. WL

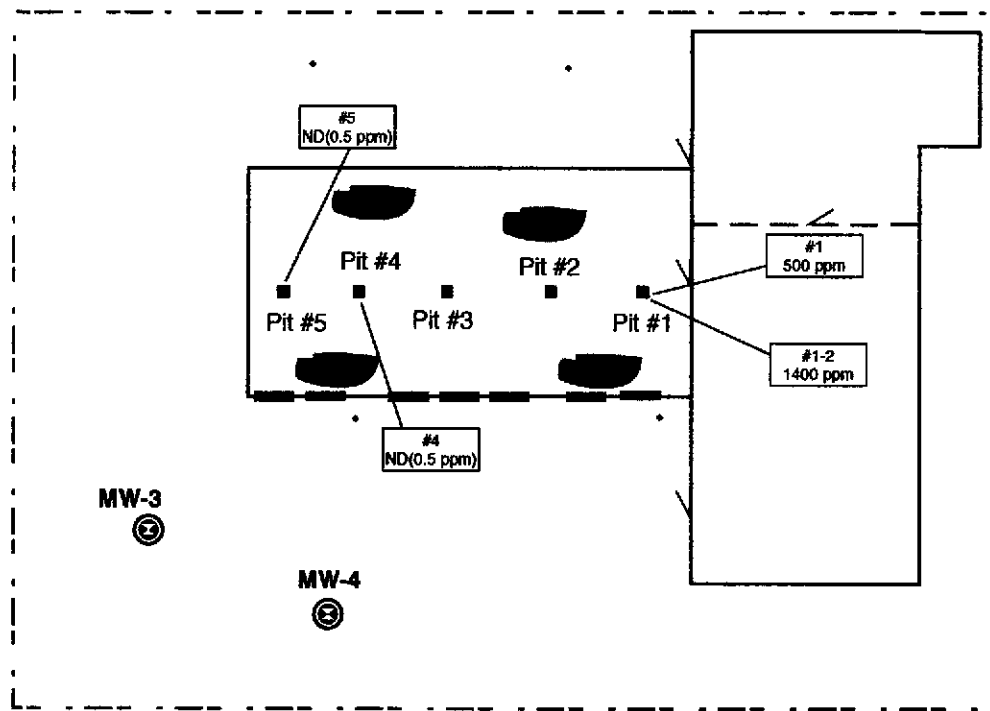
Project

Site Vicinity Map  
 Hydraulic Lift Removal Program  
 Kelly-Moore Paint Company  
 969 San Pablo Avenue, Albany, CA



Figure

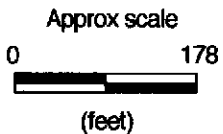
2



San Pablo Avenue

### Legend

- Property Boundary
- ⊕ MW-3 Groundwater Monitoring Well
- ∨ Doorway
- Sewer Cleanout
- ▬ Garage Doors
- Pit #1 Sampled Hydraulic Lifts w/ID#
- Pit #3 Unsampled Hydraulic Lifts w/ID#
- ▭ #1 500 ppm Sample # w/ TEPH-ho result
- ▭ "Likely Dirty" Stockpile
- ▭ "Likely Clean" Stockpile



**ProTech Consulting & Engineering**

Job No.	980116
Date	22 Dec 1998
Drawn by	WL
Rev	WL
Apprvd	WL

**Site Plan w/Analytical Results**  
 Hydraulic Lift Removal Program  
 Kelly-Moore Paint Company  
 969 San Pablo Avenue, Albany, California

Project



Figure

**3**

Mr. W. E. Berry  
23 December 1998  
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**ATTACHMENT 1**  
**SIMSMETAL AMERICA DOCUMENTATION**

WEIGHTED CERTIFICATE  
TRUMP SCALE

TICKETS # 107553



**SIMSMETAL AMERICA**

A DIVISION OF SIMSMETAL USA CORPORATION

NEWARK, NJ 07102  
399 SEAPORT BLVD  
NEWARK, NJ 07102  
973-319-1111

NO. 107553 A 107553 B 107553 C 107553 D 107553 E 107553 F 107553 G 107553 H 107553 I 107553 J 107553 K 107553 L 107553 M 107553 N 107553 O 107553 P 107553 Q 107553 R 107553 S 107553 T 107553 U 107553 V 107553 W 107553 X 107553 Y 107553 Z

NET WT. 12.0000  
GROSS WT. 12.0000  
NET WT. 12.0000  
GROSS WT. 12.0000

*[Handwritten signature]*

Date of Issue: 05/23/98  
Time of Issue: 10:30 AM  
Date of Receipt: 05/23/98  
Time of Receipt: 11:00 AM

CONTROL NUMBER 501062

NOT REPLICABLE MORE THAN 90 DAYS FROM DATE ABOVE

OIL WAS PICKED UP BY  
EVERGREEN OIL  
NEWARK CA  
510 795 4400

Mr. W. E. Berry  
23 December 1998  
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**ATTACHMENT 2**  
**LABORATORY REPORTS & COC FORMS**



# CHROMALAB, INC.

Environmental Services (SDB)

September 21, 1998

Submission #: 9809176

TCG

Atten: Woody Lovejoy

Project: KELLY-MOORE (ALBANY)  
Received: September 14, 1998

Project#: 980116

re: One sample for TEPH analysis.  
Method: EPA 8015M

Client Sample ID: #1

Spl#: 205875

Matrix: SOIL

Extracted: September 16, 1998

Sampled: September 12, 1998

Run#:14916

Analyzed: September 21, 1998

<u>ANALYTE</u>	<u>RESULT</u> (mg/Kg)	<u>REPORTING</u> <u>LIMIT</u> (mg/Kg)	<u>BLANK</u> <u>RESULT</u> (mg/Kg)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
HYDRAULIC OIL	500	200	N.D.	--	20

Note: Quantitation for the above Analyte is based on the response factor of Motor Oil. Hydrocarbon reported does not match the pattern of our Hydraulic Oil Standard. Surrogate Recoveries biased high due to Hydrocarbon co-elution.

  
Carolyn House  
Analyst

  
Bruce Havlik  
Analyst

# CHROMALAB, INC.

Environmental Services (SDB)

September 21, 1998

Submission #: 9809176

TCG

Atten: Woody Lovejoy

Project: KELLY-MOORE (ALBANY)  
Received: September 14, 1998

Project#: 980116

re: One sample for BTEX analysis.  
Method: SW846 8020A Nov 1990

Client Sample ID: #1

Spl#: 205875


Matrix: SOIL

Sampled: September 12, 1998

Run#: 14926

Analyzed: September 16, 1998

ANALYTE	RESULT	REPORTING	BLANK	BLANK	DILUTION
	(mg/Kg)	LIMIT	RESULT	SPIKE	FACTOR
		(mg/Kg)	(mg/Kg)	(%)	
BENZENE	N.D.	0.0050	N.D.	99	1
TOLUENE	N.D.	0.0050	N.D.	95	1
ETHYL BENZENE	N.D.	0.0050	N.D.	99	1
XYLENES	N.D.	0.0050	N.D.	97	1

  
Vincent Vancil  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 18, 1998

Submission #: 9809176

TCG

Atten: Woody Lovejoy

Project: KELLY-MOORE (ALBANY)  
Received: September 14, 1998

Project#: 980116

re: One sample for Miscellaneous Metals analysis.  
Method: EPA 3010A/3050A/6010A Nov 1990

Client Sample ID: #1

Spl#: 205875

Matrix: SOIL


Extracted: September 16, 1998

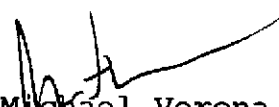
Sampled: September 12, 1998

Run#: 14905

Analyzed: September 16, 1998

<u>ANALYTE</u>	<u>RESULT</u> <u>(mg/Kg)</u>	<u>REPORTING</u> <u>LIMIT</u> <u>(mg/Kg)</u>	<u>BLANK</u> <u>RESULT</u> <u>(mg/Kg)</u>	<u>BLANK</u> <u>SPIKE</u> <u>(%)</u>	<u>DILUTION</u> <u>FACTOR</u>
CADMIUM	N.D.	0.50	N.D.	99.9	1
CHROMIUM	32	1.0	N.D.	97.9	1
LEAD	3.7	1.0	N.D.	99.6	1
NICKEL	57	1.0	N.D.	98.9	1
ZINC	31	1.0	N.D.	97.8	1

  
Christopher Arndt  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 21, 1998

Submission #: 9809176

TCG

Atten: Woody Lovejoy

Project: KELLY-MOORE (ALBANY)  
Received: September 14, 1998

Project#: 980116

re: One sample for TEPH analysis.  
Method: EPA 8015M

Client Sample ID: #4

Spl#: 205876

Matrix: SOIL

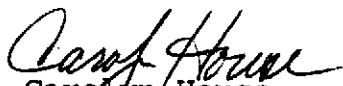
Extracted: September 16, 1998

Sampled: September 12, 1998

Run#:14916

Analyzed: September 19, 1998

<u>ANALYTE</u>	<u>RESULT</u> (mg/Kg)	<u>REPORTING</u> <u>LIMIT</u> (mg/Kg)	<u>BLANK</u> <u>RESULT</u> (mg/Kg)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
HYDRAULIC OIL	N.D.	50	N.D.	--	1

  
Carolyn House  
Analyst

  
Bruce Havlik  
Analyst

# CHROMALAB, INC.

Environmental Services (SDB)

September 21, 1998

Submission #: 9809176

TCG

Atten: Woody Lovejoy

Project: KELLY-MOORE (ALBANY)  
Received: September 14, 1998

Project#: 980116

re: One sample for BTEX analysis.  
Method: SW846 8020A Nov 1990

Client Sample ID: #4

Spl#: 205876

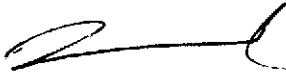
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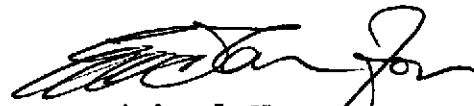
Sampled: September 12, 1998

Run#: 14926

Analyzed: September 16, 1998

<u>ANALYTE</u>	<u>RESULT</u> (mg/Kg)	<u>REPORTING</u> <u>LIMIT</u> (mg/Kg)	<u>BLANK</u> <u>RESULT</u> (mg/Kg)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
BENZENE	N.D.	0.0050	N.D.	99	1
TOLUENE	N.D.	0.0050	N.D.	95	1
ETHYL BENZENE	N.D.	0.0050	N.D.	99	1
XYLENES	N.D.	0.0050	N.D.	97	1

  
Vincent Vancil  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 18, 1998

Submission #: 9809176

TCG

Atten: Woody Lovejoy

Project: KELLY-MOORE (ALBANY)  
Received: September 14, 1998

Project#: 980116

re: One sample for Miscellaneous Metals analysis.  
Method: EPA 3010A/3050A/6010A Nov 1990

Client Sample ID: #4

Spl#: 205876

Matrix: SOIL


Extracted: September 16, 1998

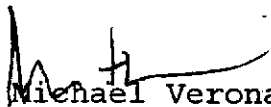
Sampled: September 12, 1998

Run#: 14905

Analyzed: September 16, 1998

<u>ANALYTE</u>	<u>RESULT</u> <u>(mg/Kg)</u>	<u>REPORTING</u> <u>LIMIT</u> <u>(mg/Kg)</u>	<u>BLANK</u> <u>RESULT</u> <u>(mg/Kg)</u>	<u>BLANK</u> <u>SPIKE</u> <u>(%)</u>	<u>DILUTION</u> <u>FACTOR</u>
CADMIUM	N.D.	0.50	N.D.	99.9	1
CHROMIUM	40	1.0	N.D.	97.9	1
LEAD	9.6	1.0	N.D.	99.6	1
NICKEL	110	1.0	N.D.	98.9	1
ZINC	38	1.0	N.D.	97.8	1

  
Christopher Arndt  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 21, 1998

Submission #: 9809176

TCG

Atten: Woody Lovejoy

Project: KELLY-MOORE (ALBANY)  
Received: September 14, 1998

Project#: 980116

re: One sample for TEPH analysis.  
Method: EPA 8015M

Client Sample ID: #5

Spl#: 205877

Matrix: SOIL

Extracted: September 16, 1998

Sampled: September 12, 1998

Run#: 14916

Analyzed: September 21, 1998

<u>ANALYTE</u>	<u>RESULT</u> (mg/Kg)	<u>REPORTING</u> <u>LIMIT</u> (mg/Kg)	<u>BLANK</u> <u>RESULT</u> (mg/Kg)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
HYDRAULIC OIL	N.D.	50	N.D.	--	1

  
Carolyn House  
Analyst

  
Bruce Havlik  
Analyst

# CHROMALAB, INC.

Environmental Services (SDB)

September 21, 1998

Submission #: 9809176

TCG

Atten: Woody Lovejoy

Project: KELLY-MOORE (ALBANY)  
Received: September 14, 1998

Project#: 980116

re: One sample for BTEX analysis.  
Method: SW846 8020A Nov 1990

Client Sample ID: #5

Spl#: 205877

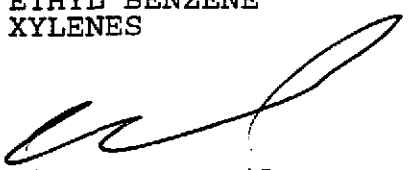
Matrix: SOIL


Sampled: September 12, 1998

Run#: 14926

Analyzed: September 16, 1998

<u>ANALYTE</u>	<u>RESULT</u> <u>(mg/Kg)</u>	<u>REPORTING</u> <u>LIMIT</u> <u>(mg/Kg)</u>	<u>BLANK</u> <u>RESULT</u> <u>(mg/Kg)</u>	<u>BLANK</u> <u>SPIKE</u> <u>(%)</u>	<u>DILUTION</u> <u>FACTOR</u>
BENZENE	N.D.	0.0050	N.D.	99	1
TOLUENE	N.D.	0.0050	N.D.	95	1
ETHYL BENZENE	N.D.	0.0050	N.D.	99	1
XYLENES	N.D.	0.0050	N.D.	97	1

  
Vincent Vancil  
Analyst

  
Michael Verona  
Operations Manager

415 381 1741



# CHROMALAB, INC.

Environmental Services (SDB)

September 18, 1998

Submission #: 9809176

TCG

Atten: Woody Lovejoy

Project: KELLY-MOORE (ALBANY)  
Received: September 14, 1998

Project#: 980116

re: One sample for Miscellaneous Metals analysis.  
Method: EPA 3010A/3050A/6010A Nov 1990

Client Sample ID: #5

Spl#: 205877

Matrix: SOIL

Extracted: September 16, 1998

Sampled: September 12, 1998

Run#: 14905

Analyzed: September 16, 1998

<u>ANALYTE</u>	<u>RESULT</u> <u>(mg/Kg)</u>	<u>REPORTING</u> <u>LIMIT</u> <u>(mg/Kg)</u>	<u>BLANK</u> <u>RESULT</u> <u>(mg/Kg)</u>	<u>BLANK</u> <u>SPIKE</u> <u>(%)</u>	<u>DILUTION</u> <u>FACTOR</u>
CADMIUM	N.D.	0.50	N.D.	99.9	1
CHROMIUM	25	1.0	N.D.	97.9	1
LEAD	3.7	1.0	N.D.	99.6	1
NICKEL	35	1.0	N.D.	98.9	1
ZINC	22	1.0	N.D.	97.8	1

  
Christopher Arndt  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 21, 1998

Submission #: 9809176

TCG

Atten: Woody Lovejoy

Project: KELLY-MOORE (ALBANY)  
Received: September 14, 1998

Project#: 980116

re: One sample for TEPH analysis.  
Method: EPA 8015M

Client Sample ID: SP-1,2,3,4

Spl#: 205878

Matrix: SOIL

Extracted: September 16, 1998


Sampled: September 12, 1998

Run#:14916

Analyzed: September 21, 1998

<u>ANALYTE</u>	<u>RESULT</u> (mg/Kg)	<u>REPORTING</u> <u>LIMIT</u> (mg/Kg)	<u>BLANK</u> <u>RESULT</u> (mg/Kg)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
HYDRAULIC OIL	1900	500	N.D.	--	50

Note: Quantitation for the above Analyte is based on the response factor of Motor Oil. Hydrocarbon reported does not match the pattern of our Hydraulic Oil Standard. Surrogate diluted out.

  
Carolyn House  
Analyst

  
Bruce Havlik  
Analyst

# CHROMALAB, INC.

Environmental Services (SDB)

September 21, 1998

Submission #: 9809176

TCG

Atten: Woody Lovejoy

Project: KELLY-MOORE (ALBANY)  
Received: September 14, 1998

Project#: 980116

re: One sample for BTEX analysis.  
Method: SW846 8020A Nov 1990

Client Sample ID: SP-1,2,3,4

Spl#: 205878

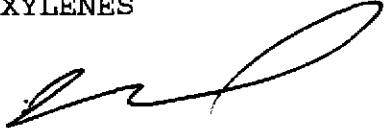
Matrix: SOIL


Sampled: September 12, 1998

Run#:14942

Analyzed: September 16, 1998

<u>ANALYTE</u>	<u>RESULT</u> (mg/Kg)	<u>REPORTING</u> <u>LIMIT</u> (mg/Kg)	<u>BLANK</u> <u>RESULT</u> (mg/Kg)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
BENZENE	N.D.	0.0050	N.D.	102	1
TOLUENE	N.D.	0.0050	N.D.	99	1
ETHYL BENZENE	N.D.	0.0050	N.D.	99	1
XYLENES	N.D.	0.0050	N.D.	100	1

  
Vincent Vancil  
Analyst

  
Michael Verona  
Operations Manager

415-381-1741

1220 Quarry Lane • Pleasanton, California 94566-4756  
(925) 484-1919 • Facsimile (925) 484-1096  
Federal ID #68-0140157

6C V132 O: BTEXQC0220

VINCE 12:18

# CHROMALAB, INC.

Environmental Services (SDB)

September 18, 1998

Submission #: 9809176

TCG

Atten: Woody Lovejoy

Project: KELLY-MOORE (ALBANY)  
Received: September 14, 1998

Project#: 980116

re: One sample for Miscellaneous Metals analysis.  
Method: EPA 3010A/3050A/6010A Nov 1990

Client Sample ID: SP-1,2,3,4

Spl#: 205878

Matrix: SOIL


Extracted: September 16, 1998

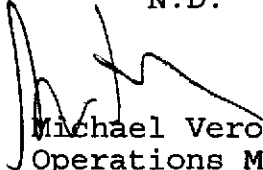
Sampled: September 12, 1998

Run#: 14905

Analyzed: September 16, 1998

<u>ANALYTE</u>	<u>RESULT</u> (mg/Kg)	<u>REPORTING</u> <u>LIMIT</u> (mg/Kg)	<u>BLANK</u> <u>RESULT</u> (mg/Kg)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
CADMIUM	N.D.	0.50	N.D.	99.9	1
CHROMIUM	42	1.0	N.D.	97.9	1
LEAD	4.2	1.0	N.D.	99.6	1
NICKEL	46	1.0	N.D.	98.9	1
ZINC	30	1.0	N.D.	97.8	1

  
Christopher Arndt  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 21, 1998

Submission #: 9809176

TCG

Atten: Woody Lovejoy

Project: KELLY-MOORE (ALBANY)

Project#: 980116

Received: September 14, 1998

re: One sample for Volatile Organics by GC/MS analysis.

Method: SW846 Method 8260A Sept 1994

Client Sample ID: SP-1,2,3,4

Spl#: 205878

Matrix: SOIL

Sampled: September 12, 1998

Run#: 14974

Analyzed: September 15, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE FACTOR (%)	DILUTION FACTOR
ACETONE	N.D.	50	N.D.	--	1
BENZENE	N.D.	5.0	N.D.	90.9	1
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	95.8	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-BUTANONE (MEK)	N.D.	50	N.D.	--	1
2-CHLOROETHYLVINYLEETHER	N.D.	50	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,2-DIBROMO-3-CHLOROPROPANE	N.D.	50	N.D.	--	1
1,2-DIBROMOETHANE	N.D.	10	N.D.	--	1
DIBROMOMETHANE	N.D.	10	N.D.	--	1
DICHLORODIFLUOROMETHANE	N.D.	10	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	99.3	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
ETHYLBENZENE	N.D.	5.0	N.D.	--	1
2-HEXANONE	N.D.	50	N.D.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
4-METHYL-2-PENTANONE (MIBK)	N.D.	50	N.D.	--	1
NAPHTHALENE	N.D.	50	N.D.	--	1
STYRENE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
TOLUENE	N.D.	5.0	N.D.	85.2	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	91.6	1
1,1,1,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
VINYL ACETATE	N.D.	50	N.D.	--	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1

# CHROMALAB, INC.

Environmental Services (SDB)

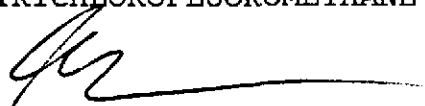
September 21, 1998

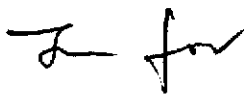
Submission #: 9809176  
page 2

TCG  
Atten: Woody Lovejoy  
Project: KELLY-MOORE (ALBANY) Project#: 980116  
Received: September 14, 1998  
re: One sample for Volatile Organics by GC/MS analysis, continued.  
Method: SW846 Method 8260A Sept 1994

Client Sample ID: SP-1,2,3,4  
Spl#: 205878 Matrix: SOIL  
Sampled: September 12, 1998 Run#: 14974 Analyzed: September 15, 1998

<u>ANALYTE</u>	<u>RESULT</u> (ug/Kg)	<u>REPORTING</u> <u>LIMIT</u> (ug/Kg)	<u>BLANK</u> <u>RESULT</u> (ug/Kg)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
TOTAL XYLENES	N.D.	10	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
CARBON DISULFIDE	N.D.	5.0	N.D.	--	1
ISOPROPYLBENZENE	N.D.	5.0	N.D.	--	1
BROMOBENZENE	N.D.	5.0	N.D.	--	1
BROMOCHLOROMETHANE	N.D.	20	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

  
Alex Tam  
Analyst

  
Michael Verona  
Operations Manager

091 205875-205610  
**CHROMALAB, INC.**



CLIENT: TCG  
 DUE: 09/21/98  
 REF #: 41954






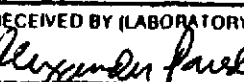
Reference #: 41954  
**Chain of Custody**

Environmental Services (SDB) (DOHS 1094)

9809176

DATE 12 Sept 98 PAGE 1 OF 1

PROJ MGR <u>Woody Lavegin</u>				ANALYSIS REPORT																		
COMPANY <u>TCG/Protect</u>				TPH-(EPA 8015,8020)	PURGEABLE AROMATICS	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M)	PURGEABLE HALOCARBONS	VOLATILE ORGANICS	SEMIVOLATILES	TOTAL OIL AND GREASE	TOTAL RECOVERABLE	PESTICIDES	PNA's	PH	LUFT METALS	CAM 17 METALS	TOTAL LEAD	W.E.T.	TEPH - Hydrocarbons	NUMBER OF CONTAINERS	
ADDRESS <u>394 Cecille Way</u>				<input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX DMTR	(EPA 8020)		CKerosene, <input type="checkbox"/> Diesel, <input type="checkbox"/> M.O.	(HYOCs) (EPA 8010 by 8260)	(VOCs) (EPA 8260)	(EPA 8270)	(SM 5520 B + F, E + F)	(EPA 418.1)	(EPA 8080)	by <input type="checkbox"/> 8270	<input type="checkbox"/> Spec. Cond.	Cd, Cr, Pb, Ni, Zn	(EPA 6010/7470/7471)		<input type="checkbox"/> TCLP			
SAMPLERS (SIGNATURE) 				(PHONE NO.)																		
SAMPLERS (SIGNATURE) 				(FAX NO.)																		
SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.																		NUMBER OF CONTAINERS
# 1	12 Sept 98		Soil			X										X				X		1
# 4	1					X										X				X		1
# 5	1					X										X				X		1
SP 1,2,3,4 1,1,1	1					X			X	Composite						X				X		4

PROJECT INFORMATION				SAMPLE RECEIPT				RELINQUISHED BY 1			RELINQUISHED BY 2			RELINQUISHED BY 3		
PROJECT NAME <u>Isella-Moore (Albany)</u>				TOTAL NO OF CONTAINERS <u>7</u>				SIGNATURE 			SIGNATURE 			SIGNATURE 		
PROJECT NUMBER <u>980116</u>				HELD SPACE				DATE <u>14 Sept 98</u>			DATE <u>9/14/98</u>			DATE <u>9/14/98</u>		
P.O.#				TEMPERATURE				COMPANY <u>TCG/Protect</u>			COMPANY			COMPANY <u>Chromalab</u>		
TAT <u>STANDARD 5-DAY</u>				CONFORMS TO RECORD				RECEIVED BY 			RECEIVED BY 			RECEIVED BY (LABORATORY) 		
Report: <input type="checkbox"/> Routine <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4								DATE <u>9/14/98</u>			DATE <u>9/14/98</u>			DATE <u>9/14/98</u>		
SPECIAL INSTRUCTIONS/COMMENTS: - Send results to Woody Lavegin - 415.581-174 - B.I. Protect for analysis								COMPANY			COMPANY			COMPANY <u>Chromalab</u>		

# CHROMALAB, INC.

Environmental Services (SDB)

October 19, 1998

Submission #: 9810194

TCG

Atten: Woody Lovejoy

Project: KELLY MOORE ALBANY  
Received: October 12, 1998

Project#: 980116

re: One sample for TEPH analysis.  
Method: EPA 8015M

Client Sample ID: #1-2

Spl#: 210083

Matrix: SOIL

Extracted: October 15, 1998

Sampled: October 10, 1998


Run#:15416

Analyzed: October 19, 1998

<u>ANALYTE</u>	<u>RESULT</u> (mg/Kg)	<u>REPORTING</u> <u>LIMIT</u> (mg/Kg)	<u>BLANK</u> <u>RESULT</u> (mg/Kg)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
HYDRAULIC OIL	1400	500	N.D.	--	50

Note: Quantitation for the above Analyte is based on the response factor of Motor Oil. Surrogate diluted out.

  
Carolyn House  
Analyst

  
Bruce Havlik  
Analyst



9910194/210045

Reference #: 42496

# CHROMALAB, INC.

SUBM #: 9810194 REF: GC  
CLIENT: TCG  
DUE: 10/19/98  
REF #: 42496

## Chain of Custody

Environmental Services (SDB) (DOHS 1094)

DATE 10 Oct 98 PAGE 1 of 1

PROJ MGR				ANALYSIS REPORT															NUMBER OF CONTAINERS						
COMPANY				TPH (EPA 8015, 8020)	PURGEABLE AROMATICS	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M)	PURGEABLE HALOCARBONS	VOLATILE ORGANICS	SEMI-VOLATILES	TOTAL OIL AND GREASE	TOTAL RECOVERABLE	PESTICIDES (EPA 8080)	PCB'S (EPA 8080)	PMA's by	PH	Spec. Cond.	LUFT METALS:		CAM 17 METALS	TOTAL LEAD	W.E.T.	TCLP		
ADDRESS				<input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX <input type="checkbox"/> CM/BE	BTEX (EPA 8020)	<input type="checkbox"/> Diesel, <input type="checkbox"/> OM.O.	<input type="checkbox"/> Kerosene, <input type="checkbox"/> Diesel, <input type="checkbox"/> OM.O.	(HVOCS) (EPA 8010 by 8260)	(VOCs) (EPA 8260)	(EPA 8270)	(SM 5520 & + F, E + F)	(EPA 418.1)	<input type="checkbox"/> Pesticides (EPA 8080)	<input type="checkbox"/> PCB'S (EPA 8080)	<input type="checkbox"/> 8270	<input type="checkbox"/> 8310	<input type="checkbox"/> pH	<input type="checkbox"/> Spec. Cond.	Cd, Cr, Pb, Ni, Zn	(EPA 8010/7470/7471)					
SAMPLERS (SIGNATURE)				(PHONE NO.)																					
SAMPLE ID				DATE	TIME	MATRIX	PRESERV.																		
Woody Lovejoy				415-351-2560																					
TCG/ProTech				415-351-1711																					
394 Cassin Way																									
Tibow PA 94920																									
[Signature]																									
[Signature]																									
# 1-2	100%		Soil																						1

PROJECT INFORMATION				SAMPLE RECEIPT				RELINQUISHED BY 1		RELINQUISHED BY 2		RELINQUISHED BY 3	
PROJECT NAME: Kelly Moore Albany				TOTAL NO OF CONTAINERS: 1				[Signature] (TIME)		[Signature] (TIME)		[Signature] (TIME)	
PROJECT NUMBER: 980116				HEAD SPACE:				Sherwood Lovejoy 10/12/98		[Signature] (TIME)		B. Moore 10/12/98	
P.O. #				TEMPERATURE:				TCG/ProTech		[Signature] (TIME)		Chromalab	
YAT: STANDARD 5-DAY				CONFORMS TO RECORD:				[Signature] (TIME)		[Signature] (TIME)		[Signature] (TIME)	
Report: <input type="checkbox"/> Routine <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4				3.70L AD 1 tube				RECEIVED BY 1: [Signature] (TIME)		RECEIVED BY 2: [Signature] (TIME)		RECEIVED BY (LABORATORY) 3: Alex Paredes 1730	
SPECIAL INSTRUCTIONS/COMMENTS:								[Signature] (TIME)		[Signature] (TIME)		Alex Paredes 10/12/98	
1) fax results to Woody Lovejoy								Chromalab		[Signature] (TIME)		Chromalab	
2) R11 ProTech													
3) Use Silica Gel Strip on Sample													

Mr. W. E. Berry  
23 December 1998  
page 33

**ATTACHMENT 3**  
**NON-HAZARDOUS WASTE MANIFEST**