



COULTER STEEL & FORGE COMPANY

Special Metals in Bars and Forgings - Tool Steels 93 OCT 18 PM 3:57

1494 - 67TH STREET

P.O. BOX 8008, EMERYVILLE, CA 94662-0901

TELEPHONE 510-420-3500 FAX 510-420-3555

October 15, 1993

Richard C. Hiett
Sanitary Engineering Associate
California Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland CA 94612

Dear Mr. Hiett:

Since I spoke to you on October 13, 1993, we have made progress!

We have spoken with Susan Hugo, Alameda County, Department of Environmental Health; who stated that jurisdiction belongs to your agency. She requested an outline of the procedure we will use to compact the remediated soil in the underground tank excavation. I will send her a copy of this letter.

Bay Area Tank & Marine will replace the soil (lab analysis attached) on October 19th or 20th. The 5,000 gallons of water (lab test attached) currently stored in the Baker Tank adjacent to the hole will be pumped from the tank through a hose and sprayed over the soil to moisture condition the soil during compaction. The soil will be placed in the excavation in lifts of eight to ten inches (loose thickness), sprinkled with water and compacted. Five hundred and thirty cubic yards of soil will be replaced in the excavation. Subsurface Consultants will observe the backfilling operation and provide field monitoring for density by testing for compaction and moisture.

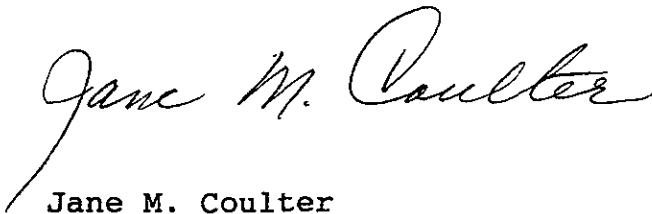
We have estimated that the soil will adsorb 10% to 15% water. We will use as much of the water as necessary for compaction. Any water that remains in the Baker Tank after the compaction is completed will be used as industrial process make up water in our quench tanks.

October 15, 1993

2.

We will construct a berm of wood and plastic to block any flow to the storm drain during the backfilling process. If significant precipitation is expected we will delay the project and leave the piles covered. Please let me or Dante Sambajon, our Plant Engineer, know if you need further information.

Sincerely,

A handwritten signature in cursive script that reads "Jane M. Coulter". The signature is written in black ink and is positioned above the typed name.

Jane M. Coulter

cc Susan Hugo, Ala. Dept. of Environmental Health FAX 569-4757
Subsurface Consultants FAX: 268-0137
Bay Area Tank & Marine FAX: 372-0745



LABORATORY NUMBER: 109983
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 727.001
LOCATION: COULTER STEEL

DATE SAMPLED: 02/05/93
DATE RECEIVED: 02/05/93
DATE EXTRACTED: 02/05/93
DATE ANALYZED: 02/05/93
DATE REPORTED: 02/08/93
DATE REISSUED: 03/04/93

Extractable Petroleum Hydrocarbons in Aqueous Solutions
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	KEROSENE RANGE (ug/L)	DIESEL RANGE (ug/L)	REPORTING LIMIT* (ug/L)
109983-1	EXCAVATION WATER	**	8,000	50

* Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	4
RECOVERY, %	95



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CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 727.001
LOCATION: COULTER STEEL

DATE SAMPLED: 02/05/93
DATE RECEIVED: 02/05/93
DATE ANALYZED: 02/06/93
DATE REPORTED: 02/08/93
DATE REISSUED: 03/04/93

Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL BENZENE (ug/L)	TOTAL XYLENES (ug/L)	REPORTING LIMIT * (ug/L)
109983-1	EXCAVATION WATER	ND	ND	ND	ND	0.5

ND = Not detected at or above reporting limit.

* Reporting Limit applies to all analytes.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	116

CHAIN OF CUSTODY FORM

PAGE _____ OF _____

PROJECT NAME: Coulter Steel
JOB NUMBER: 727.001 LAB: Curtis & Tompkins
PROJECT CONTACT: Jeri Alexander TURNAROUND: Rapid 24 hr.
SAMPLED BY: Dennis Alexander REQUESTED BY: Jeri Alexander

ANALYSIS REQUESTED

TEH
TVH/BTBE

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX				CONTAINERS				METHOD PRESERVED					SAMPLING DATE				NOTES			
		WATER	SOIL	WASTE	AIR	VOA	LITER	PINT	TUBE	HCL	H2SO4	HNO3	ICE	NONE	MONTH	DAY	YEAR	TIME				
109983-1	Excavation water	X				2	1						X		X	02	05	93	0730	XX		

COMMENTS & NOTES:
2/5/93 per Jeri Alexander - Dissolved metal TVH.

CHAIN OF CUSTODY RECORD

RELEASED BY: (Signature) <u>Dennis Alexander</u>	DATE/TIME <u>2/5/93 9:25am</u>	RECEIVED BY: (Signature) <u>Jamie...</u>	DATE/TIME <u>2/5/93 9:25am</u>
RELEASED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELEASED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

Subsurface Consultants, Inc.

171 12TH STREET, SUITE 201, OAKLAND, CALIFORNIA 94607
(510) 268-0461 • FAX: 510-268-0137

#459 P05

TEL NO: 45C1268-0137

SEP-29-'93 WED 14:30 ID:SCI

EPJL ENTER LANGUAGE = PCL
CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

October 7, 1993

ChromaLab File#: 9310028

BAY AREA TANK & MARINE, INC.

Atten: Richard Box

Project: COULTER STEEL
Submitted: October 1, 1993

Project#: 2323

re: 27 samples for BTEX compounds analysis.

Matrix: SOIL

Sampled on: September 29, 1993
Method: EPA 8020

Analyzed on: October 5, 1993
Run#: 977

Lab #	SAMPLE ID	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
23087	C22	N.D.	N.D.	N.D.	N.D.
23088	C23	N.D.	N.D.	N.D.	N.D.
23089	C24	N.D.	N.D.	N.D.	N.D.
23090	C25	N.D.	N.D.	N.D.	N.D.
23091	C26	N.D.	N.D.	N.D.	N.D.
23092	C27	N.D.	N.D.	N.D.	N.D.

Matrix: SOIL

Sampled on: September 29, 1993
Method: EPA 8020

Analyzed on: October 5, 1993
Run#: 975

Lab #	SAMPLE ID	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
23077	C12	N.D.	N.D.	N.D.	N.D.
23078	C13	N.D.	N.D.	N.D.	N.D.
23079	C14	N.D.	N.D.	N.D.	N.D.
23093	C1	N.D.	N.D.	N.D.	N.D.
23094	C2	N.D.	N.D.	N.D.	N.D.
23095	C3	N.D.	N.D.	N.D.	N.D.
23096	C4	N.D.	N.D.	N.D.	N.D.
23097	C5	N.D.	N.D.	N.D.	N.D.
23098	C6	N.D.	N.D.	N.D.	N.D.
23099	C7	N.D.	N.D.	N.D.	N.D.
23100	C8	N.D.	N.D.	N.D.	N.D.
23101	C9	N.D.	N.D.	N.D.	N.D.
23102	C10	N.D.	N.D.	N.D.	N.D.
23103	C11	N.D.	N.D.	N.D.	N.D.

Matrix: SOIL

Sampled on: September 29, 1993
Method: EPA 8020

Analyzed on: October 5, 1993
Run#: 974

Lab #	SAMPLE ID	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
23080	C15	N.D.	N.D.	N.D.	N.D.
23081	C16	N.D.	N.D.	N.D.	N.D.
23082	C17	N.D.	N.D.	N.D.	N.D.

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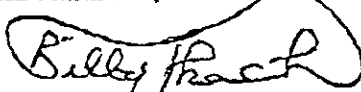
Project#: 2323

re: 27 samples for BTEX compounds analysis, continued..

23083 C18	N.D.	N.D.	N.D.	N.D.
23084 C19	N.D.	N.D.	N.D.	N.D.
23085 C20	N.D.	N.D.	N.D.	N.D.
23086 C21	N.D.	N.D.	N.D.	N.D.

DETECTION LIMITS	5	5	5	5
BLANK	N.D.	N.D.	N.D.	N.D.
BLANK SPIKE RECOVERY(%)	92	104	107	106

ChromaLab, Inc.



Billy Trach
Chemist



Eric Tam
Laboratory Director