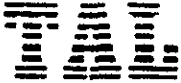


**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (415) 783-6960  
Facsimile (415) 783-1512



August 02, 1991

Mr. Michael Casso  
Tank Protect Engineering  
2821 Whipple Road  
Union City, CA 94587

Dear Mr. Casso:

Trace Analysis Laboratory received nine soil samples on July 26, 1991, for your Project No. 176B-072691, American Building Components, (our custody Log Number 1148).

These samples were analyzed for Total Petroleum Hydrocarbons as Gasoline, Diesel, Hydraulic Fluid, Benzene, Toluene, Xylenes, Ethylbenzene, Oil and Grease, and Lead. Our analytical report and the completed chain of custody form are enclosed for your review.

Trace Analysis Laboratory is certified under the California Environmental Laboratory Accreditation Program. Our certification number is 1199.

If you should have any questions or require additional information, please call me.

Sincerely yours,

*Jennifer Peko*  
For Jennifer Peko  
Project Specialist

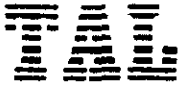
Enclosures

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

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LOG NO.: 1148  
 DATE SAMPLED: 7/26/91  
 DATE RECEIVED: 7/26/91  
 DATE EXTRACTED: 7/30/91  
 DATE ANALYZED: 8/01/91 and 8/02/91  
 DATE REPORTED: 8/02/91

CUSTOMER: Tank Protect Engineering  
 REQUESTER: Michael Casso  
 PROJECT: No. 176B-072691, American Building Components

Sample Type: Soil

<u>Method and Constituent</u>	<u>Units</u>	<u>S-1</u>		<u>S-2</u>		<u>S-3</u>	
		<u>Concentration</u>	<u>Reporting Limit</u>	<u>Concentration</u>	<u>Reporting Limit</u>	<u>Concentration</u>	<u>Reporting Limit</u>
DHS Method							
Total Petroleum Hydrocarbons as Diesel	ug/kg	150,000	1,000	3,900	1,000	48,000,000	8,400

<u>Method and Constituent</u>	<u>Units</u>	<u>SS-1</u>		<u>SS-2</u>	
		<u>Concentration</u>	<u>Reporting Limit</u>	<u>Concentration</u>	<u>Reporting Limit</u>
DHS Method					
Total Petroleum Hydrocarbons as Diesel	ug/kg	ND	1,000	6,200,000	2,400

Concentrations reported as ND were not detected at or above the reporting limit.

Sample S-2 contains compounds eluting later than the diesel standard.

LOG NO.: 1148  
 DATE SAMPLED: 7/26/91  
 DATE RECEIVED: 7/26/91  
 DATE EXTRACTED: 7/30/91  
 DATE ANALYZED: 8/01/91 and 8/02/91  
 DATE REPORTED: 8/02/91  
 PAGE: Two

Sample Type: Soil

<u>Method and Constituent</u>	<u>Units</u>	<u>Composite of SD-1, 2, 3 and 4</u>		<u>Method Blank</u>	
		<u>Concen- tration</u>	<u>Reporting Limit</u>	<u>Concen- tration</u>	<u>Reporting Limit</u>
DHS Method:					
Total Petroleum Hydrocarbons as Diesel	ug/kg	20,000,000	2,400	ND	1,000
Total Petroleum Hydrocarbons as Hydraulic Fluid	ug/kg	110,000,000	30,000	ND	30,000

QC Summary:

% Recovery: 96 \*  
 % RPD: 14

Concentrations reported as ND were not detected at or above the reporting limit.

Some compounds in composite of SD-1, 2, 3 and 4 are included in both Total Petroleum Hydrocarbons as Diesel and Total Petroleum Hydrocarbons as Hydraulic Fluid.

\*The recovery is for the laboratory control sample, due to interference in the spiked sample.

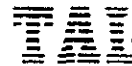


LOG NO.: 1148  
 DATE SAMPLED: 7/26/91  
 DATE RECEIVED: 7/26/91  
 DATE EXTRACTED: 7/27/91  
 DATE ANALYZED: 7/31/91, 7/30/91 and 8/01/91  
 DATE REPORTED: 8/02/91  
 PAGE: Three

Sample Type: Soil

Method and Constituent	Units	S-1		S-2		S-3	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	1,400	500	ND	500	73,000	700
Modified EPA Method 8020:							
Benzene	ug/kg	ND	5.0	ND	5.0	6,100	40
Toluene	ug/kg	6.2	5.0	ND	5.0	320	45
Xylenes	ug/kg	50	15	ND	15	18,000	130
Ethylbenzene	ug/kg	ND	5.0	ND	5.0	5,300	50

Concentrations reported as ND were not detected at or above the reporting limit.



LOG NO.: 1148  
 DATE SAMPLED: 7/26/91  
 DATE RECEIVED: 7/26/91  
 DATE EXTRACTED: 7/27/91  
 DATE ANALYZED: 7/30/91, 7/31/91 and 8/01/91  
 DATE REPORTED: 8/02/91  
 PAGE: Four

Sample Type: Soil

<u>Method and Constituent</u>	<u>Units</u>	<u>SS-1</u>		<u>SS-2</u>		<u>Composite of SD-1, 2, 3 and 4</u>	
		<u>Concentration</u>	<u>Reporting Limit</u>	<u>Concentration</u>	<u>Reporting Limit</u>	<u>Concentration</u>	<u>Reporting Limit</u>
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	ND	500	26,000	500	36,000	500
Modified EPA Method 8020:							
Benzene	ug/kg	ND	5.0	24	8.0	ND	16
Toluene	ug/kg	ND	5.0	25	9.0	29	18
Xylenes	ug/kg	ND	15	100	26	230	52
Ethylbenzene	ug/kg	ND	5.0	67	10	ND	20

<u>Method and Constituent</u>	<u>Units</u>	<u>Method Blank</u>	
		<u>Concentration</u>	<u>Reporting Limit</u>
DHS Method:			
Total Petroleum Hydrocarbons as Gasoline	ug/kg	ND	500
Modified EPA Method 8020:			
Benzene	ug/kg	ND	5.0
Toluene	ug/kg	ND	5.0
Xylenes	ug/kg	ND	15
Ethylbenzene	ug/kg	ND	5.0

QC Summary

% Recovery: 88, 85 and 90  
 % RPD: 4.5, 9.4 and 19

Concentrations reported as ND were not detected at or above the reporting limit.

LOG NO.: 1148  
 DATE SAMPLED: 7/26/91  
 DATE RECEIVED: 7/26/91  
 DATE EXTRACTED: 7/31/91  
 DATE ANALYZED: 8/01/91  
 DATE REPORTED: 8/02/91  
 PAGE: Five

Sample Type:

<u>Method and Constituent</u>	<u>Units</u>	<u>Composite of SD-1,2,3 and 4</u>		<u>Method Blank</u>	
		<u>Concen- tration</u>	<u>Reporting Limit</u>	<u>Concen- tration</u>	<u>Reporting Limit</u>
Standard Method 5520F:					
Oil and Grease	ug/kg	2,700,000	50,000	ND	50,000

QC Summary:

% Recovery: 76  
 % RPD: 1.0

Concentrations reported as ND were not detected at or above the reporting limit.

LOG NO.: 1148  
 DATE SAMPLED: 7/26/91  
 DATE RECEIVED: 7/26/91  
 DATE EXTRACTED: 7/29/91  
 DATE ANALYZED: 8/01/91  
 DATE REPORTED: 8/02/91  
 PAGE: Six

Sample Type: Soil

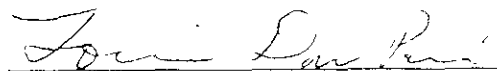
Method and Constituent	Units	S-1		S-2		S-3	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
EPA Method 7420:							
Lead	ug/kg	6,200	2,500	7,500	2,500	4,500	2,500

Method and Constituent	Units	SS-1		SS-2		Composite of ~ SD-1, 2, 3, and 4	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
EPA Method 7420:							
Lead	ug/kg	8,800	2,500	12,000	2,500	12,000	2,500

Method and Constituent	Units	Method Blank	
		Concentration	Reporting Limit
EPA Method 7420:			
Lead	ug/kg	ND	2,500

QC Summary  
 % Recovery: 92  
 % RPD: \*

Concentrations reported as ND were not detected at or above the reporting limit.  
 \* The RPD is not reportable since the sample prepared in duplicate was not detectable.

  
 Louis W. DuPuis  
 Quality Assurance/Quality Control Manager



**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415)429-8088  
 (800)523-8088  
 FAX(415)429-8089

LAB: Trace Analysis Laboratory, Hayward, CA

TURNAROUND: NORMAL

P.O. #: 0272

PAGE 1 OF 2

**CHAIN OF CUSTODY**

**1148**

PROJECT NO		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED						
176B-072691		American Building Components Co. 6253 Dougherty Road Dublin, CA 94568					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	VOC SCAN (624's)	OTHER	TOTAL LEAD
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER													
MICHAEL CASSO, TANK PROTECT ENGINEERING													
2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088													
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION								
✓ S-1	7/26/91	10:20	✓		S-1 @ 8.0 FEET	BRASS TUBE	✓	✓	✓		✓		
✓ S-2	↓	10:10	↓		S-2 @ 8.0 FEET	↓	↓	↓	↓		↓		
✓ S-3	↓	10:50	↓		S-3 @ 8.0 FEET	↓	↓	↓	↓		↓		
✓ SS-1	↓	11:10	↓		Stackpile-1 @ 2.0 FEET	↓	↓	↓	↓		↓		
✓ SS-2	↓	11:50	↓		Stackpile-2 @ 2.0 FEET	↓	↓	↓	↓		↓		
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)			
Michael Casso		7/26/91 4:59pm		Robert J. Barnett									
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)			
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature)		Date / Time		Remarks					
								Soil 1-BT, inc, each, 7-6 20					

DATE: 7/26/91





**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415)429-8088  
 (800)523-8088  
 FAX(415)429-8089

LAB: Trace Analysis Laboratory, Hayward, CA

TURNAROUND: NORMAL

P.O. #: 0272

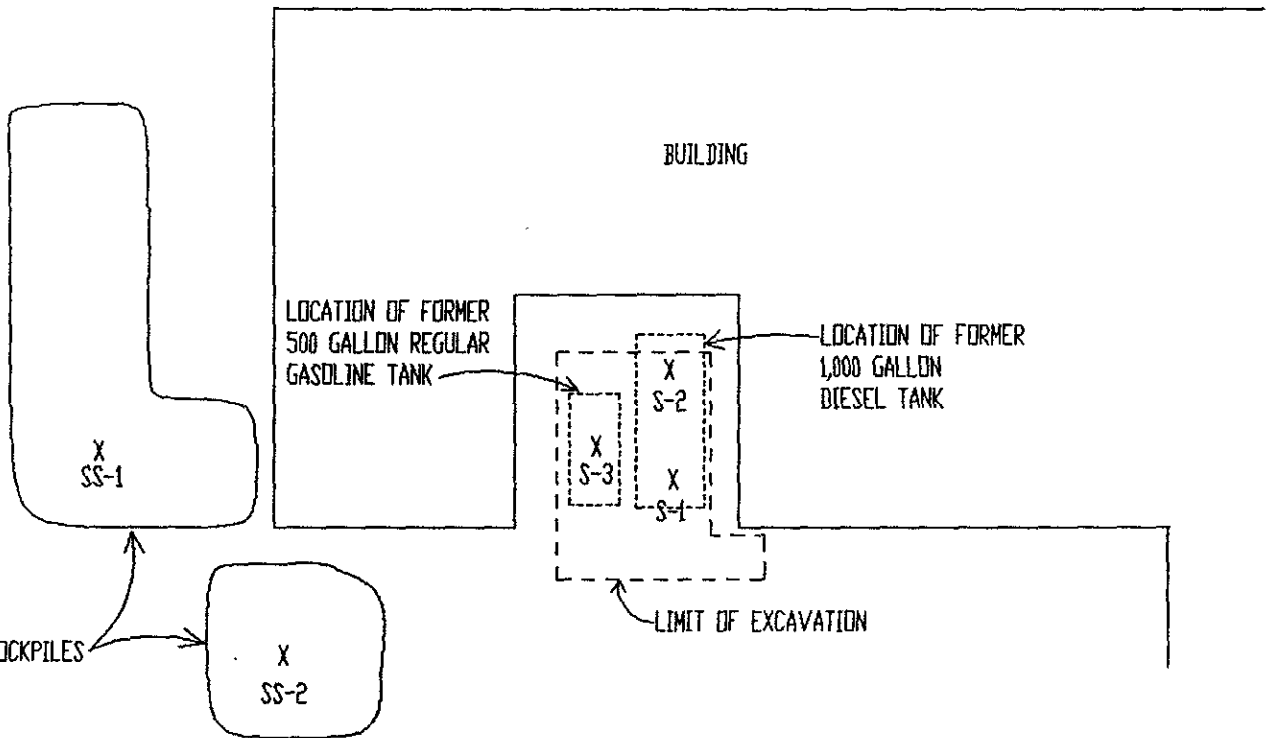
PAGE 2 OF 2

**CHAIN OF CUSTODY**

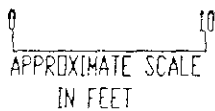
PROJECT NO		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS				
1768-072691		American Building Components Co. 6253 Dougherty Road Dublin, CA 94568					TOTAL LIGHT HC	AROMATIC HC	TOTAL HC (BTEX)	OIL & GREASE	VOC SCAN	OTHER (24's)	TPH as Total Lead		TPH as Hydraulic Fluid			
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER						ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION							
MICHAEL CASSO, TANK PROTECT ENGINEERING 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088																		
✓	SD-1	7/26/91	12:15	✓		DRUM-1 @ 1.5 FEET	BRASS TUBE		✓	✓	✓	✓	✓	✓	✓	169 1148 COMPOSITE		
✓	SD-2	↓	12:20	↓		DRUM-2 @ 1.5 FEET		↓	↓	↓	↓	↓	↓	↓				
✓	SD-3	↓	12:38	↓		DRUM-3 @ 1.5 FEET		↓	↓	↓	↓	↓	↓	↓				
✓	SD-4	↓	12:50	↓		DRUM-4 @ 1.5 FEET		↓	↓	↓	↓	↓	↓	↓				
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)								
Michael Casso		7/26/91 4:59 pm		Robert J. Baird TAL														
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)								
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature)		Date / Time		Remarks										

DATE: 7/26/91

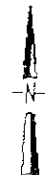
FENCE



### LEGEND



X NAME AND LOCATION OF SOIL SAMPLE  
S-1



SITE PLAN  
AMERICAN BUILDING COMPONENTS COMPANY  
6253 DOUGHERTY ROAD  
DUBLIN, CALIFORNIA

FIGURE  
1