ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

December 17, 1999

Mr. Al Beneziano
ABCO Waterproofing
3135 Filbert St.
Oakland, CA 94608

REMEDIAL ACTION COMPLETION CERTIFICATION
Stid 4601
ABCO Waterproofing, 3135 Filbert St., Oakland, CA 94608

1000	gal	gasoline	removed	8/16/93
250	gal	gasoline	removed	8/16/93

Dear Mr. Beneziano:

This letter confirms the completion of site investigation and remedial action for the underground storage tank formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank are greatly appreciated. Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Section 2721(e) of the California Code of Regulations.
Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung, Director

c: Chuck Headlee, RWQCB
Dave Deaner, SWRCB
Leroy Griffin, OFD
file

CL R01024

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

December 17, 1999

Al Beneziano
ABCO Waterproofing
3135 Filbert St.
Oakland, CA 94608

Re: Fuel Leak Site Case Closure for ABCO Waterproofing, 3135 Filbert St., Oakland, CA 94608;
Stid 4601

Dear Mr. Beneziano:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Protection Division is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- up to 91 ppm TPH as gasoline, 0.019 ppm toluene, 0.11 ppm xylene, and 52 ppm lead exists in soil beneath the site. (sampled August & October 1993)
- up to 1,800 ppb TPH as gasoline, 2.3 ppb benzene, 2.5 ppb toluene, 7.3 ppb ethylbenzene, 13 ppb xylene, and 25 ppb lead exists in groundwater beneath the site. (sampled May 1999)

If you have any questions, please contact me at (510) 567-6746.

Don Hwang
Hazardous Materials Specialist

Enlosures: 1. Remedial Action Completion Certificate 2. Case Closure Summary
C: Frank Kliewer, City of Oakland, Planning Dept., 1330 Broadway, 2nd Floor, Oakland, CA 94612

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION Date: July 21, 1999

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6746
Responsible staff person: Don Hwang Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: ABCO Waterproofing
Site facility address: 3135 Filbert St., Oakland, CA 94608
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 4601
URF filing date: August 19, 1993 SWEEPS No: N/A

Responsible Parties:	Addresses:	Phone Numbers:
Al Beneziano	3135 Filbert St., Oakland 94608	(510) 655-6490

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	1,000	gasoline	removed	Aug. 16, 1993
1	250	gasoline	removed	Aug. 16, 1993

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: unknown, unknown
Site characterization complete? YES
Date approved by oversight agency: Oct. 25, 1993
Monitoring Wells installed? no Number:NA
Proper screened interval? NA
Highest GW depth below ground surface: 10.2 Lowest depth: 10.2
Flow direction: W/SW 0.055 ft./ft. 12/10/96 Loomis Armored, 936 Brockhurst St., Oakland 94608, 600 ft. from site; Generally S/SW 1/2/96 Golden St. Linen Service, 958-28th St., Oakland 94608, 1100 ft. from site
Most sensitive current use: commercial
Are drinking water wells affected? no Aquifer name:NA
Is surface water affected? no Nearest affected SW name:NA
Off-site beneficial use impacts (addresses/locations): none
Report(s) on file? YES Where is report(s) filed? Alameda County, 1131 Harbor Bay Pkwy, Alameda, CA 94502 and Oakland Fire Dept., 505 – 14th St., 5th Floor, Oakland, CA 94612

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Tanks	2	Disposal Erickson, Inc., Richmond, CA	8/16/93
Soil	undocumented	undocumented	

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	1,300[1]	91[5]	NT[7]	1,800[8]
Benzene	0.52[2]	ND[6]	NT[7]	2.3[9]
Toluene	2.2[3]	0.019[2]	NT[7]	2.5[8]
Ethylbenzene	4.1[1]	ND[4]	NT[7]	7.3[8]
Xylenes	0.52[2]	0.11[10]	NT[7]	13[8]
Lead	52[4]	52[4]	NT[3]	25[8]
MTBE	NT[7]	NT[7]	NT[7]	ND[8,9]

[1] AB-P-3 on 9/22/93.
[2] P-1 on 8/16/93.
[3] 1-A on 8/16/93.
[4] AB-ST2-A-D on 10/25/93.
[5] AB-ST2-E-H 10/25/93.
[6] All samples on 10/25/93.
[7] Not Tested.
[8] S-3 on 5/11/99.(groundwater sample collected from soil boring)
[9] S-2 on 5/11/99.(groundwater sample collected from soil boring)
[10] AB-P2-1 on 10/25/93.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? undetermined
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? undetermined
Does corrective action protect public health for current land use? YES
Site management requirements: A site safety plan must be prepared for construction workers in the event excavation/trenching is proposed in the vicinity of residual soil and groundwater contamination.
Should corrective action be reviewed if land use changes? YES
Monitoring wells Decommissioned: NA
Number Decommissioned: NA Number Retained: NA
List enforcement actions taken: none
List enforcement actions rescinded: none

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Don Hwang Title: Haz Mat Specialist

Signature: Don Hwang Date: 7/21/99

Reviewed by

Name: Larry Seto Title: Senior Haz Mat Specialist

Signature: Date: 7/20/99

Name: Thomas Peacock Title: Supervisor

Signature: Thomas Peacock Date: 8-12-99

VI. RWQCB NOTIFICATION

Date Submitted to RB: ~~8/11/99~~ 10/12/99 RB Response:

RWQCB Staff Name: Chuck Headlee Title: EG

Signature: Chuck Headlee Date: 10/22/99

VII. ADDITIONAL COMMENTS, DATA, ETC.

A 1,000 gal. gasoline and a 250 gal. gasoline underground storage tank were removed on August 16, 1993.

On August 16, 1993, two soil samples, 2-A and 2-B, were collected beneath the east and west ends of the 1,000 gal. tank, and one soil sample, 1-A, from beneath the 250 gal. tank. Also, soil samples were collected beneath the pipeline and from the stockpile soil. The samples were analyzed for TPH-G, BTEX, and total lead. The analytical results indicated that there was no contamination beneath the 1,000 gal. tank nor from the stockpile soil from the tank pit, but there was contamination beneath the 250 gal. tank, and the pipeline. The contaminated sample in the 250 gal. tank pit had TPH-G, BTEX, and total lead at 670 ppm, <0.5, 2.2, 1.8, <0.5, ND, respectively. Results for the sample beneath the pipeline, P-1, were 6.9 ppm, 0.52, 0.10, ND, 0.52, 4.8, for TPH-G, BTEX, and total lead.

On Sept. 22, 1993, the 250 gal. tank pit was overexcavated. A map indicates the locations of the perimeter samples. TPH-G[3] was found in all 4 of these samples, AB-P-3, AB-P-2, AB-P-4, and AB-P-1, ranging from 1,300 mg/kg, 120 mg/kg, 39 mg/kg, to 4.2 mg/kg, respectively. For BTEX, benzene was ND in all 4 samples. Among the BTEX, the constituent with the highest concentration was ethylbenzene which was 4.1 mg/kg in AB-P-3. The constituent with the next highest concentration was toluene at 2.1 mg/kg also in AB-P-3. The constituent with the third highest concentration was xylene at 0.025 mg/kg in AB-P-1. A sample, AB-L-1, was also collected after the pipeline trench was further excavated. The results were ND, 0.012 mg/kg, ND, 0.013, 0.085, for TPH-G, BTEX.

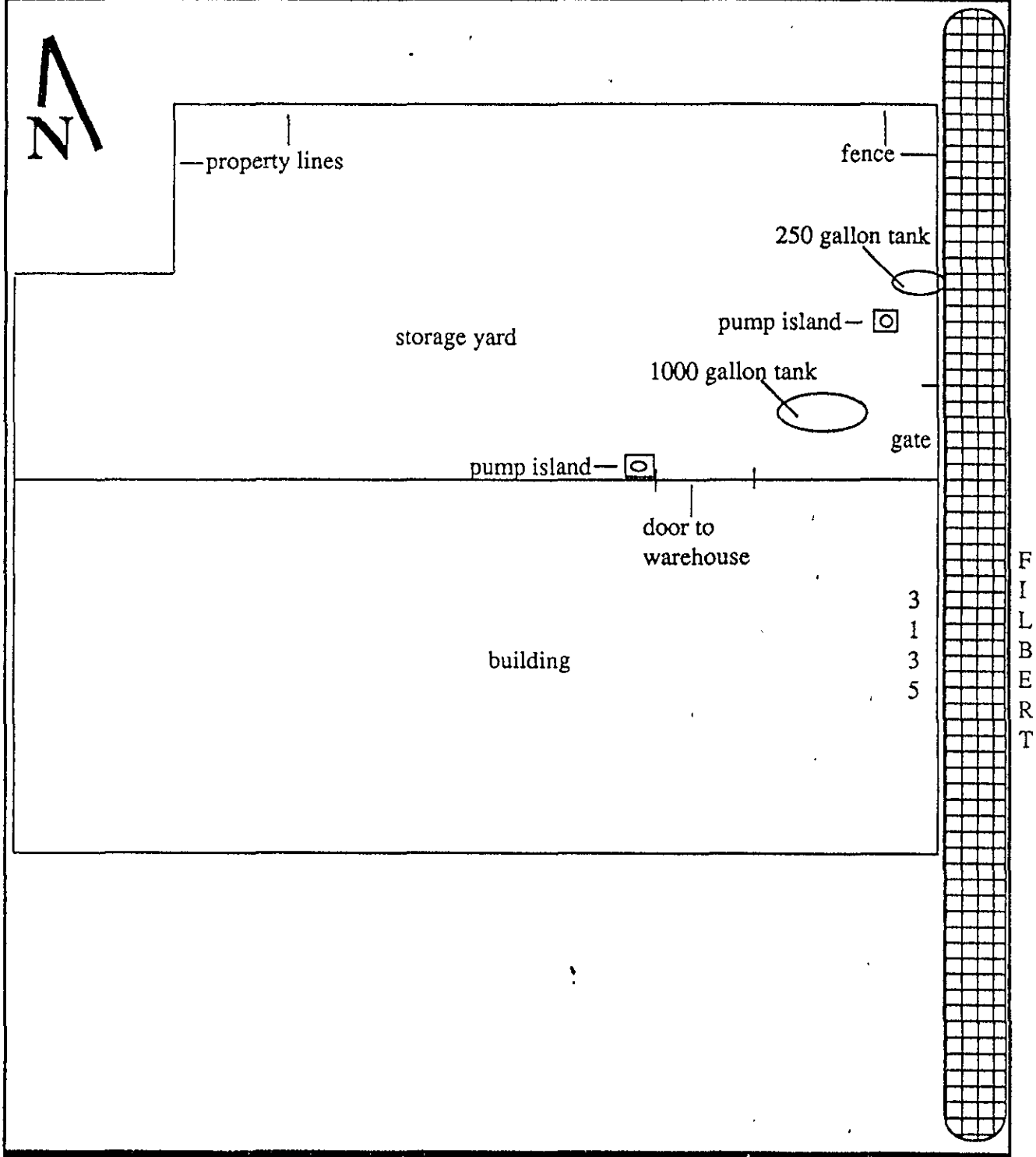
On Oct. 25, 1993, the 250 gal. tank pit was further overexcavated, resulting in additional removal of the sidewalls towards the buildings and the parking lot. The confirmation samples, AB-P2-1 and AB-P2-2, were collected where the TPH-G was highest, on the south wall and the west wall. For TPH-G, AB-P2-1 was 22 ppm, and AB-P2-2 was 84 ppm. BTEX for both ranged from ND to 0.019 ppm. Benzene and ethylbenzene were ND for both samples. AB-P2-1 contained 0.019 ppm toluene and 0.11 ppm xylene while AB-P2-2 was ND for both constituents. Groundwater was present in the pit.

On May 11, 1999, 3 soil borings, S-1, S-2, S-3 were drilled by the underground storage tanks. Grab groundwater samples were collected from S-2 and S-3. S-1 did not produce water. The concentrations in S-2 were 250 ug/l TPH-G, 2.3 ug/l benzene, ND toluene, 0.97 ug/l ethylbenzene, 1.6 ug/l xylene, ND MTBE, and 17 ug/l lead. The concentrations in S-3 were 1,800 ug/l TPH-G, ND benzene, 2.5 ug/l toluene, 7.3 ug/l ethylbenzene, 13 ug/l xylene, ND MTBE, and 25 ug/l lead.

In summary, case closure is recommended because:

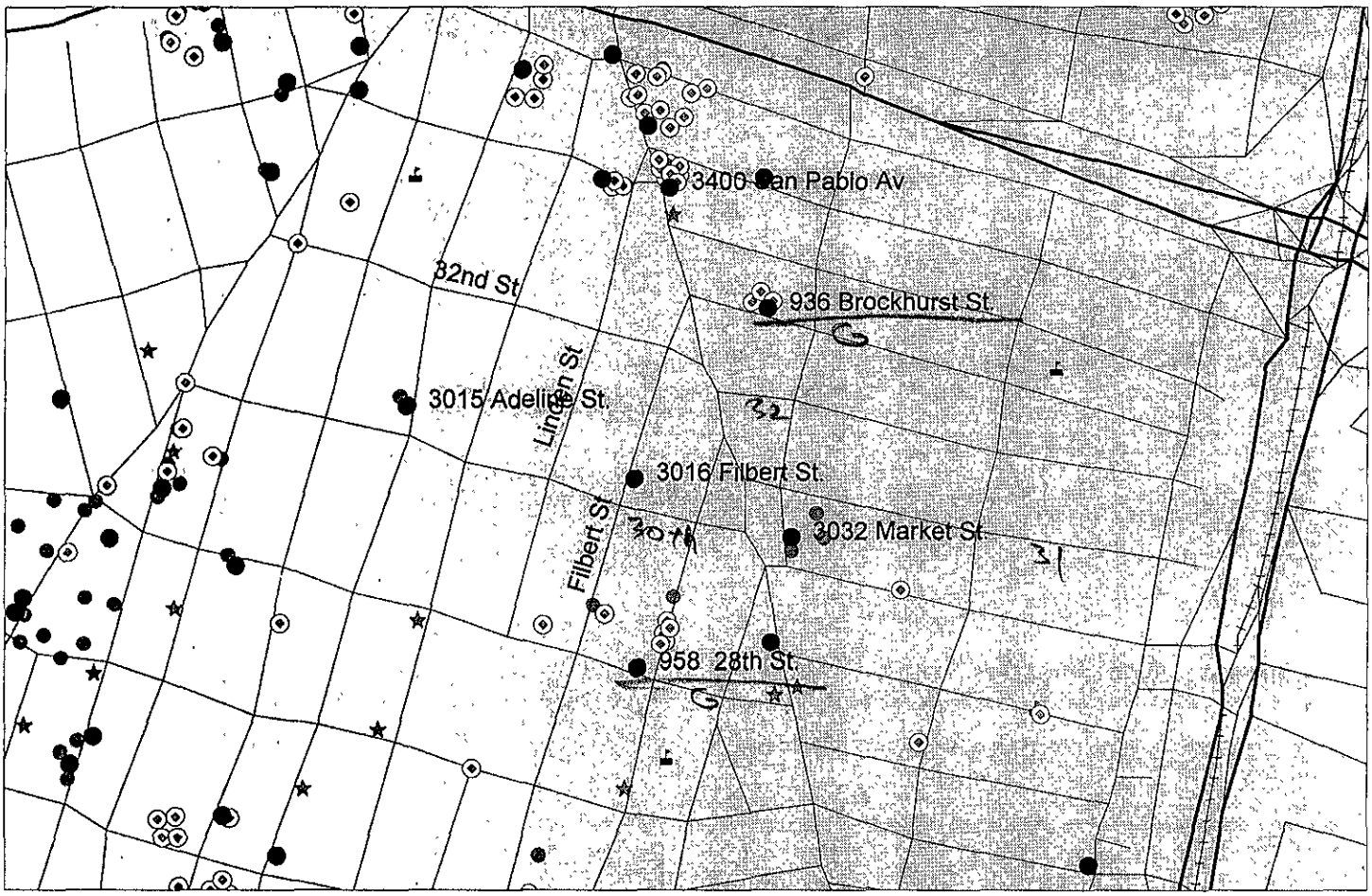
1) the leak has been stopped and ongoing sources have been removed;
2) the site has been adequately characterized;
3) the dissolved contaminant concentrations are low;
4) no water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted;
5) the site presents no significant risk to human health;
6) the site presents no significant risk to the environment.

MAP #1 ABCO SITE MAP scale 1 inch = 20 '



W. A. Craig, Inc.
Industrial and Environmental Contractor
P. O. Box 448
Napa, CA. 94559

ABCO Waterproofing Inc.
3135 Filbert St.
Oakland, CA. 94608


3400 San Pablo Av
32nd St
936 Brockhurst St
3015 Adeline St
Linden St
3016 Filbert St
Filbert St
3032 Market St
958 28th St

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

W.A. Craig, Inc. P.O. Box 448 Napa, CA 94559	Client Project ID: ABCO	Date Sampled: 08/16/93
		Date Received: 08/16/93
	Client Contact: Leland Yialelis	Date Extracted: 08/17/93
	Client P.O:	Date Analyzed: 08/17/93

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

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

Lab ID	Client ID	Matrix	TPH(g)+	Benzene	Toluene	Ethylben-zene	Xylenes	% Rec. Surrogate
31730	1-A	S	670,d	ND< 0.5	2.2	1.8	ND< 0.5	97
31731	2-A	S	ND	ND	ND	ND	ND	110
31732	2-B	S	ND	ND	ND	ND	ND	110
31733	P-1	S	6.9,c,b	0.52	0.10	ND	0.52	111
31735	1-ST A-D	S	3.9,d	ND	0.007	0.006	ND	99
31736	2-ST A-D	S	ND	ND	ND	ND	ND	108
Detection Limit unless other-wise stated; ND means Not Detected		W	50 ug/L	0.5	< 0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	

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

cluttered chromatogram; sample peak co-elutes 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 are significant; no recognizable pattern; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible phase is present.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL, INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

W.A. Craig, Inc. P.O. Box 448 Napa, CA 94559	Client Project ID: ABCO	Date Sampled: 08/16/93
		Date Received: 08/16/93
	Client Contact: Leland Yialelis	Date Extracted: 08/17/93
	Client P.O:	Date Analyzed: 08/17/93

Lead*

EPA analytical method 239.2 or 7420+

Lab ID	Client ID	Matrix	Extraction°	Lead*
31730	1-A	S	TTLC	ND
31731	2-A	S	TTLC	ND
31732	2-B	S	TTLC	ND
31733	P-1	S	TTLC	4.8
31734	B-1	S	TTLC	ND
31735	1-ST A-D	S	TTLC	41
31736	2-ST A-D	S	TTLC	9.5
Detection Limit unless otherwise stated; ND means Not Detected		W	TTLC	0.005mg/L
		S	TTLC	4.0 mg/kg
		---	STLC,TCLP	0.20 mg/L

* soil samples are reported in mg/kg, and water samples and all STLC & TCLP extracts in mg/L

+ Lead is analysed using EPA method 7420 (AA Flame)for soils, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples

° EPA extraction methods 1311(TCLP), 3010/3020(water,TTLC), 3040(organic matrices,TTLC), 3050(solids,TTLC); STLC from CA Title 22

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL

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

CHAIN OF CUSTODY RECORD

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

REPORT TO: W.A. Craig, Inc. BILL TO: W.A. Craig, Inc.

COMPANY: W.A. Craig, Inc.
P.O. Box 448
Napa, CA. 94559

TELE: 707-252-3353 FAX #: 707-252-3385

PROJECT NUMBER: PROJECT NAME: ABCO

PROJECT LOCATION: 3135 Filbert SAMPLER SIGNATURE:

SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	METHOD PRESERVED: HCL	HNO_3	OTHER	BTEX & TPH as Gasoline (602/8020 & 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/5520 B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010	EPA 602/8020	EPA 608/8080	608/8080 - PCBs Only	624/8240/8260	625/8270	- 17 Metals	- Priority Pollutant Metals	(7240/7421/239.2/6010)	NOC LEAD	ANALYSIS REQUEST	OTHER: Total Lead	COMMENTS
1-A	Tankpit #1	8-16-93	12:46	1	BT		X							X														31730	X	
2-A	Tankpit #2W	8-16-93	12:52	1			X							X														31731	X	
2-B	Tankpit #2E		12:57	1			X							X														31732	X	
P-1	Pipeline		12:38	1			X							X														31733	X	
B-1	Background		1:05	1			X																					31734	X	Composite sample
1-ST-A	Stockpile composite		11:27	1			X																					31735		
1-ST-B			11:32	1			X							X															X	
1-ST-C			11:38	1			X																					31736		
1-ST-D			11:45	1			X																							
2-ST-A	Composite stockpile		11:58	1			X																							
2-ST-B			12:07	1			X							X															X	Composite stockpile
2-ST-C			12:10	1			X																							
2-ST-D			12:17	1			X																							

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
Leland Kraldi	8/16/93	2:00	
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

REMARKS:

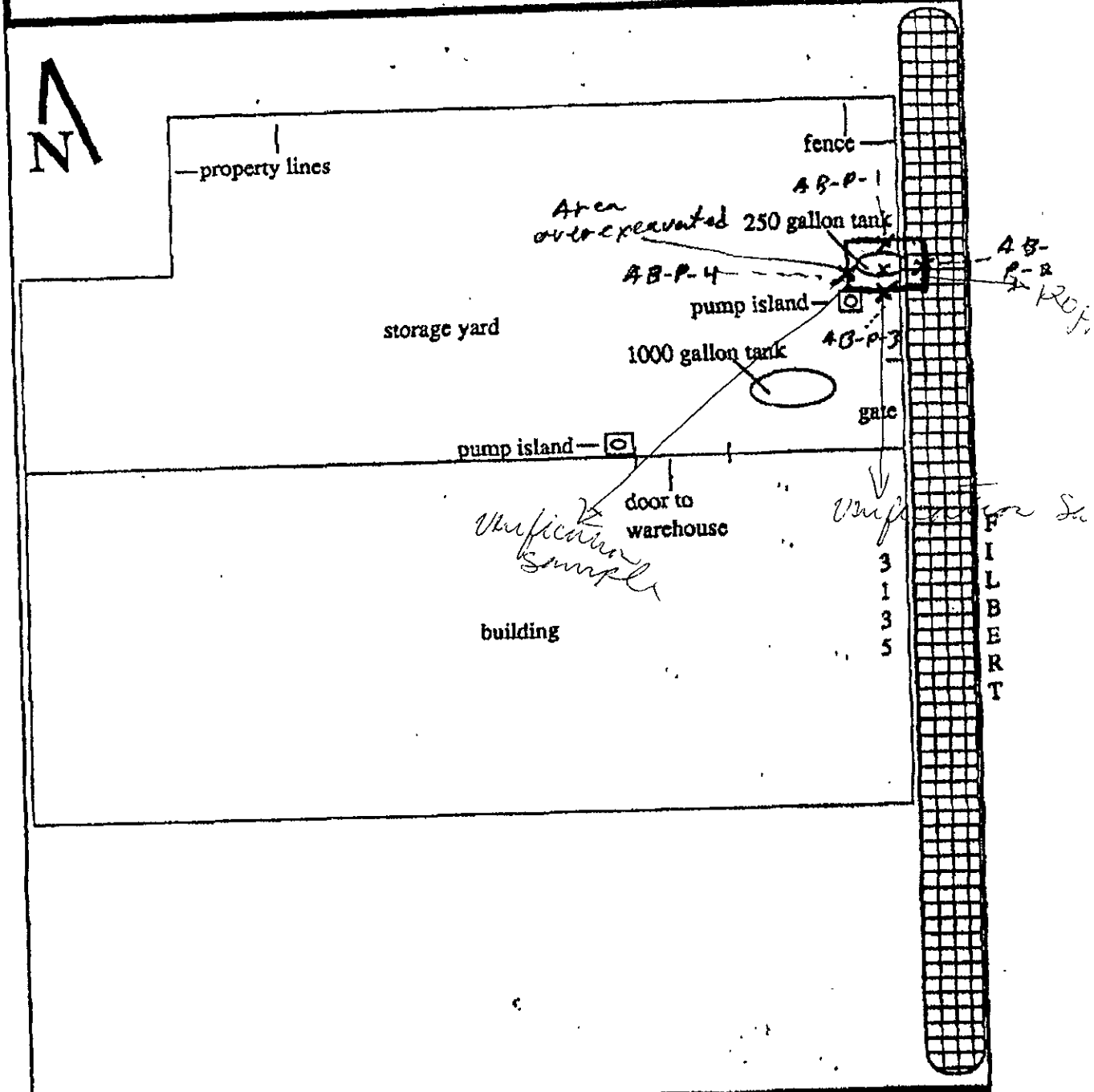
ICE/T ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
PRESERVATIVE APPROPRIATE ✓
CONTAINERS ✓

VOAS	O & G	METALS	OTHER

MAP #1

ABCO SITE MAP

scale 1 inch = 20 '



W. A. Craig, Inc.
Industrial and Environmental Contractor
P. O. Box 448
Napa, CA. 94559

ABCO Waterproofing Inc.
3135 Filbert St.
Oakland, CA. 94608

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

W.A. Craig, Inc. P.O. Box 448 Napa, CA 94559	Client Project ID: ABCO Project; AGCO	Date Sampled: 09/22/93
		Date Received: 09/22/93
	Client Contact: Leland Yialelis	Date Extracted: 09/22/93
	Client P.O:	Date Analyzed: 09/23-09/25/93

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

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

Lab ID	Client ID	Matrix	TPH(g)*	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
32308	AB-P-1	S	4.2,d,b	ND	0.007	0.012	0.025	93
32309	AB-P-2	S	120,b	ND	0.022	0.022	ND	92
32310	AB-P-3	S	1300,d	ND< 0.3	2.1	4.1	ND< 0.3	85
32311	AB-P-4	S	39,d,b	ND	0.026	0.054	ND	99
32312	AB-P-5	S	20,b	ND	0.017	ND	ND	95
32313	AB-L-1	S	ND,d	0.012	ND	0.013	0.085	89
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	

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

cluttered chromatogram; sample peak co-elutes 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 are significant; no recognizable pattern; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible phase is present.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

W.A. Craig, Inc. P.O. Box 448 Napa, CA 94559	Client Project ID: ABCO	Date Sampled: 10/25/93
		Date Received: 10/25/93
	Client Contact: Leland Yialelis	Date Extracted: 10/26/93
	Client P.O:	Date Analyzed: 10/26/93

Lead*

EPA analytical method 239.2 or 7420+

Lab ID	Client ID	Matrix	Extraction°	Lead*
32811	AB-ST2-A-D	S	TTLC	52
32812	AB-ST2-E-H	S	TTLC	19

Detection Limit unless otherwise stated; ND means Not Detected	W	TTLC	0.005mg/L
	S	TTLC	4.0 mg/kg
	---	STLC,TCLP	0.20 mg/L

* soil samples are reported in mg/kg, and water samples and all STLC & TCLP extracts in mg/L

+ Lead is analyzed using EPA method 7420 (AA Flame)for soils, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples

° EPA extraction methods 1311(TCLP), 3010/3020(water,TTLC), 3040(organic matrices,TTLC), 3050(solids,TTLC); STLC from CA Title 22

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

W.A. Craig, Inc. P.O. Box 448 Napa, CA 94559	Client Project ID: ABCO	Date Sampled: 10/25/93
		Date Received: 10/25/93
	Client Contact: Leland Yialelis	Date Extracted: 10/26/93
	Client P.O:	Date Analyzed: 10/26/93

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

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

Lab ID	Client ID	Matrix	TPH(g)+	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
32809	AB-P2-1	S	22,d	ND	0.019	ND	0.11	130#
32810	AB-P2-2	S	84,d	ND< 0.01	ND< 0.01	ND< 0.01	ND< 0.01	100
32811	AB-ST2-A-D	S	ND	ND	ND	ND	ND	99
32812	AB-ST2-E-H	S	91,d	ND< 0.05	ND< 0.05	ND< 0.05	ND< 0.05	98
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L.

cluttered chromatogram; sample peak co-elutes 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 are significant, no recognizable pattern; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible phase is present.

DHS Certification No. 1644

Edward Hamilton, Lab Director

TAT = 1756 AWAC 150

CHAIN OF CUSTODY RECORD

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

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

REPORT TO: Lil A. Craig, Inc. BILL TO: Lil A. Craig, Inc.

PROJECT NUMBER: PROJECT NAME: ABCO

PROJECT LOCATION: 3135 Filbert, Oak. SAMPLER SIGNATURE: Edward Raladin

SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX: SLUDGE	MATRIX: OTHER	METHOD PRESERVED: HCL	METHOD PRESERVED: HNO3	METHOD PRESERVED: OTHER	ANALYSIS REQUEST: BTEX & TPH as Gasoline (GAS/BTEX)	ANALYSIS REQUEST: TPH as Diesel (8015)	ANALYSIS REQUEST: Total Petroleum Oil & Grease (5520 E&F/B&F)	ANALYSIS REQUEST: Total Petroleum Hydrocarbons (418.1)	ANALYSIS REQUEST: EPA 601/8010	ANALYSIS REQUEST: EPA 602/8020	ANALYSIS REQUEST: EPA 608/8080	ANALYSIS REQUEST: EPA 608/8080 - PCBs Only	ANALYSIS REQUEST: EPA 624/8240/8260	ANALYSIS REQUEST: EPA 625/8270	ANALYSIS REQUEST: CAM - 17 Metals	ANALYSIS REQUEST: EPA - Priority Pollutant Metals	ANALYSIS REQUEST: LEAD (7240/7421/239.2/6010)	ANALYSIS REQUEST: ORGANIC LEAD	OTHER	COMMENTS
AB-P2-1	South wall	10/25/93	11:28	1			X							X															
AB-P2-2	West wall	10/25/93	11:42	1			X							X															
AB-ST2-A	East Stockpile	"	12:11	1			X																						
AB-ST2-B	South "		12:17	1			X							X												X			
AB-ST2-C	SW "		12:21	1			X																						
AB-ST2-D	NE "		12:26	1			X																						
AB-ST2-E	NC "		12:31	1			X																						
AB-ST2-F	NW "		12:34	1			X							X												X			
AB-ST2-G	West "		12:39	1			X																						
AB-ST2-H	West 2 "	V	12:44	1			X																						

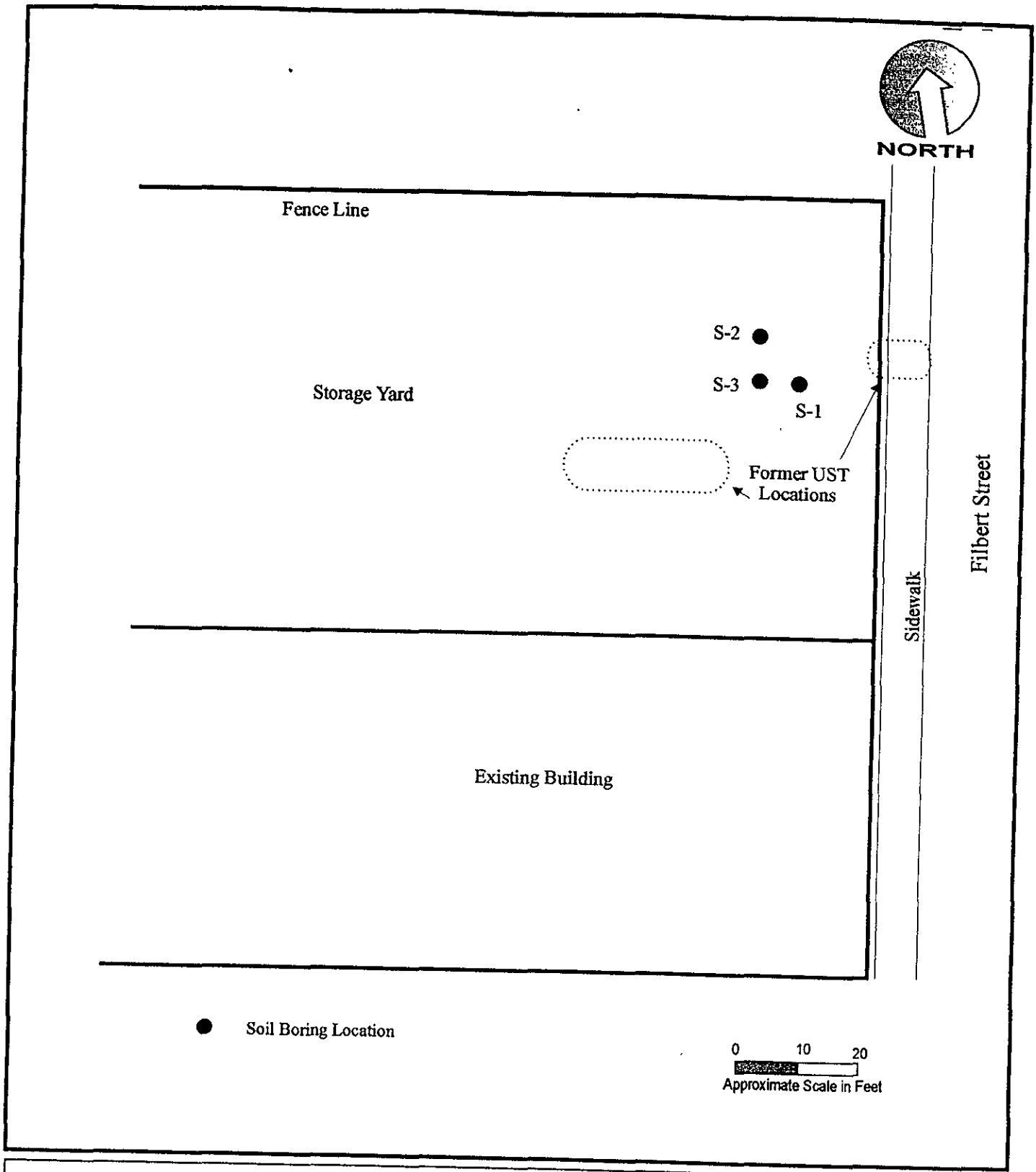
32809
32811
32812

HEAD SPACE ABSENT ✓ CONTAINERS ✓ PRESERVATIVE ✓ APPROPRIATE

HNU? O&G? METALS? OTHER?

RELINQUISHED BY	DATE	TIME	RECEIVED BY
Edward Raladin	10/25/93	1:35	
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

REMARKS: Please composite AB-ST2-A-D and AB-ST2-E-H



Project 3835

May 1999

Site Exploration Map
ABCO Waterproofing
3135 Filbert Street
Oakland, CA

Figure 2

Checked by:

W. A. Craig, Inc.
Environmental Contracting and Consulting

6940 Tremont Road
Dixon, California 95620
Cal License #455752

(707) 693-2929
FAX (707) 693-2922

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

W. A. Craig, Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #3835; ABCO Waterproofing	Date Sampled: 05/11/99
		Date Received: 05/11/99
	Client Contact: Tom Henderson	Date Extracted: 05/11-05/12/99
	Client P.O:	Date Analyzed: 05/11-05/12/99

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

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

Lab ID	Client ID	Matrix	TPH(g)*	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Recovery Surrogate
10779	S-2	W	250,i,j	ND	2.3	ND	0.97	1.6	99
10780	S-3	W	1800,h,i,j	ND	ND	2.5	7.3	13	108
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

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

cluttered chromatogram; sample peak coelutes with surrogate peak

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

DHS Certification No. 1644

Edward Hamilton, Lab Director

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

W. A. Craig, Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #3835; ABCO Waterproofing	Date Sampled: 05/11/99
		Date Received: 05/26/99
	Client Contact: Tom Henderson	Date Extracted: 06/01/99
	Client P.O:	Date Analyzed: 06/01/99

Lead*

EPA analytical methods 6010/200.7, 239.2'

Lab ID	Client ID	Matrix	Extraction °	Lead*	% Recovery Surrogate
10779	S-2	W	Dissolved	0.017	NA
10780	S-3	W	Dissolved	0.025	NA
Reporting Limit unless otherwise *stated; ND means not detected above* the reporting limit		S	TTLC	3.0 mg/kg	
		W	*Dissolved*	0.005 mg/L	
		---	STLC,TCLP	0.2 mg/L	

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

'Lead is analysed using EPA method 6010 (ICP)for soils, sludges, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples

° EPA extraction methods 1311(TCLP), 3010/3020(water,TTLC), 3040(organic matrices,TTLC), 3050(solids,TTLC), STLC - CA Title 22

surrogate diluted out of range; N/A means surrogate not applicable to this analysis

& reporting limit raised due matrix interference

1) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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

W. A. Craig, Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #3835; ABCO Waterproofing	Date Sampled: 05/11/99
		Date Received: 05/11/99
	Client Contact: Tom Henderson	Date Extracted: 05/11-05/12/99
	Client P.O:	Date Analyzed: 05/11-05/12/99

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

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

Lab ID	Client ID	Matrix	TPH(g)+	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Recovery Surrogate
10779	S-2	W	250,i,j	ND	2.3	ND	0.97	1.6	99
10780	S-3	W	1800,h,i,j	ND	ND	2.5	7.3	13	108
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

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

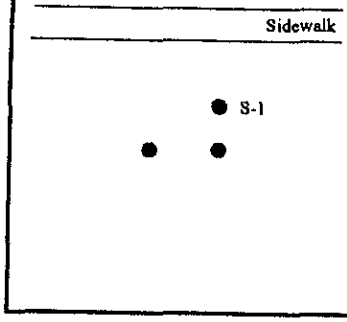
cluttered chromatogram; sample peak coelutes with surrogate peak

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

DHS Certification No. 1644

Edward Hamilton, Lab Director

DRILLING LOG



W. A. CRAIG, INC.
Environmental Contracting and Consulting
6940 Tremont Road
Dixon, California 95620
Cal License #455752
(707) 693-2929
FAX (707) 693-2922

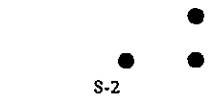
PROJECT: ABCO Waterproofing	PROJECT NO. 3835	BORING NO: S-1
DRILLING CONTRACTOR: Fastek Drilling	START TIME: FINISH TIME:	DATE: 05/11/99
DRILLING METHOD: Direct Push	TOTAL DEPTH: 20'	DEPTH TO WATER: None
SAMPLER: Greg	SCREEN INT.: 9.3 - 19.3'	CASING:
HAMMER WEIGHT: DROP:	FIELD GEOLOGIST: Tim Cook	

DEPTH	SAMPLE No	SAMPLE	BLOWS/ 0.5 FOOT	PID (ppm)	BORING/WELL CONSTRUCTION	LITHOLOGIC LOG	LITHOLOGIC DESCRIPTION Description, Color, Density, Moisture
5							Sandy silty clay (CL), dark brown, damp, low plasticity, frags to 0.5 inch angular, 40% recovery, no odor.
							Sandy silt (ML), dark brown, stiffer, drier, low plasticity, frags to 0.5" (possibly fill).
							Clay (CL), very stiff, red, dry, low plasticity, no frags, possibly native.
10							Sandy silt (SM), damp, light brown, fine grain sand, greenish, with petro/hyd odor (moderate) at 12'.
15							Silty clay (CL), damp, stiff, low plasticity, light brown to grey (posibly native), no odor.
20						TD 20	Silty clay (CL), damp, stiff, light brown to orange, oxide, no odor.
25							
30							
35							
40							

Notes: S-1 is dry, pushed 10' of 0.02 screen and 10' of blank to 20'. No water after 20 minutes.

Checked by:_____

DRILLING LOG

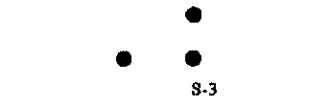


W. A. CRAIG, INC.
Environmental Contracting and Consulting
6940 Tremont Road
Dixon, California 95620
Cal License #455752
(707) 693-2929
FAX (707) 693-2922

PROJECT: ABCO Waterproofing	PROJECT NO. 3835	BORING NO: S-2
DRILLING CONTRACTOR: Fastek Drilling	START TIME: FINISH TIME:	DATE: 05/11/99
DRILLING METHOD: Direct Push	TOTAL DEPTH: 20'	DEPTH TO WATER: 10.21'
SAMPLER: Greg	SCREEN INT.: 9.3 - 19.3'	CASING:
HAMMER WEIGHT: DROP:	FIELD GEOLOGIST: Tim Cook	

DEPTH	SAMPLE No	SAMPLE	BLOWS/ 0.5'FOOT	PID [ppm]	BORING/WELL CONSTRUCTION	LITHOLOGIC LOG	LITHOLOGIC DESCRIPTION Description, Color, Density, Moisture
5							Silty clay (CL), dark brown, low plasticity, 20% recovery, no odor.
							Silty clay (CL), damp, dark brown.
10					▽ SWL 10.21' bgs		Sandy silt (ML), light brown, drier, low plasticity, frags to 0.5", recovery 80%..
15							Sandy silt (SM), damp, light brown, low plasticity, 50% recovery, first water approximately 12', organic odor slight at 12-13', rock frags 0.5" - 1".
20						TD 20	Clay (CL), damp, stiff, light brown, redish oxide, no odor, no frags present, possibly native.
25							Notes: S-2 is approximately 6' ENE of S-1 and approximately 9.5' N of fence/sidewalk. 10' of 0.02" screen pushed to 19' bgs and 10' of blank.
30							
35							
40							Checked by:_____

DRILLING LOG



W. A. CRAIG, INC.
Environmental Contracting and Consulting
6940 Tremont Road
Dixon, California 95620
Cal License #455752
(707) 693-2929
FAX (707) 693-2922

PROJECT: ABCO Waterproofing	PROJECT NO. 3835	BORING NO: S-3
DRILLING CONTRACTOR: Fastek Drilling	START TIME: FINISH TIME:	DATE: 05/11/99
DRILLING METHOD: Direct Push	TOTAL DEPTH: 16'	DEPTH TO WATER: 10.2'
SAMPLER: Greg	SCREEN INT.: 5.3 - 15.3'	CASING:
HAMMER WEIGHT: Impact Hammer DROP:	FIELD GEOLOGIST: Tim Cook	

DEPTH	SAMPLE No	SAMPLE	BLOWS/ 0.5 FOOT	PID [ppm]	BORING/WELL CONSTRUCTION	LITHOLOGIC LOG	LITHOLOGIC DESCRIPTION Description, Color, Density, Moisture
							Sandy silty clay (CL), dark brown, low plasticity, damp, with angular frags to 0.75", possibly fill.
5							Clayey silt (ML), drier, angular frags, some fine grained sand, possibly fill.
10							No recovery 8 - 12'.
15							Silty clay (CL), stiff, wet.
						TD 16	Terminated hole at 16'
20							
25							Notes: S-3 is wet and was drilled to get second water sample after S-1 was dry.
30							
35							
40							

Checked by: _____