TANK PROTECT ENGINEERING
Of Northern California

(415) 429-8088
(800) 523-8088
FAX (415) 429-8089

92 FEB 25 AM 11:05

February 24, 1992

Mr. Scott Seery
Alameda County Health Care Services Agency
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

Re: Analytical Results, Mary Petsas, 16035 East 14th, San Leandro, CA 94578

Dear Mr. Seery:

Attached are copies of analytical reports, chain-of-custody documentation, and Underground Storage Tank Unauthorized Release (Leak) Contamination Site Report for the referenced site. A copy of the site plan is also included for your review.

If you have any question please contact our office.

Sincerely,

TANK PROTECT ENGINEERING

2821 Whipple Road • Union City, California • 94587

Trace Analysis Laboratory, Inc.
3423 Investment Boulevard, #8 • Hayward, California 94545
Telephone (510) 783-6960
Facsimile (510) 783-1512

TAL

February 13, 1992

Mr. Marc Zomorodi
Tank Protect Engineering
2821 Whipple Road
Union City, California 94587

Dear Mr. Zomorodi:

Trace Analysis Laboratory received ten soil samples on February 6, 1992 for your Project No. 218A-020692, 16035 East 14th Street, San Leandro, CA (our custody log number 1768).

These samples were composited and analyzed according to your chain of custody. 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 Pekol
Project Specialist

Enclosures

Trace Analysis Laboratory, Inc.
3423 Investment Boulevard, #8 • Hayward, California 94545
Telephone (510) 783-6960
Facsimile (510) 783-1512

TAL

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/07/92
DATE ANALYZED: 02/12/92
DATE REPORTED: 02/13/92

CUSTOMER: Tank Protect Engineering

REQUESTER: Marc Zomorodi

PROJECT: No. 218A-020692, 16035 East 14th Street, San Leandro, CA

Sample Type: Soil

Method and Constituent:	Units	S3-BP Concentration	S3-BP Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
DHS Method:					
Total Petroleum Hydrocarbons as Diesel	ug/kg	950,000	8,000	ND	1,000

QC Summary:

% Recovery: 103*
% RPD: 24

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

Sample, S3-BP contains compounds eluting earlier than the diesel standard.

* The Recovery is for the Laboratory Control Sample, due to the high concentration in the spiked sample.

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/06/92
DATE ANALYZED: 02/11/92
DATE REPORTED: 02/13/92
PAGE: Two

Sample Type: Soil

Method and Constituent:	Units	Composite of S1-1, S1-2, S1-3 and S1-4 Concentration	Composite of S1-1, S1-2, S1-3 and S1-4 Reporting Limit	S1-NW Concentration	S1-NW Reporting Limit	S1-SE Concentration	S1-SE Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	160,000	1,300	660,000	1,300	220,000	1,300
EPA Method 8020 for:							
Benzene	ug/kg	ND	48	ND	48	ND	48
Toluene	ug/kg	ND	130	590	130	190	130
Ethylbenzene	ug/kg	870	92	9,100	92	1,900	92
Xylenes	ug/kg	3,300	600	33,000	600	1,100	600

Method and Constituent:	Units	S2-NW Concentration	S2-NW Reporting Limit	S2-SE Concentration	S2-SE Reporting Limit	S3-BP Concentration	S3-BP Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	880,000	6,400	330,000	1,300	1,300,000	1,300
EPA Method 8020 for:							
Benzene	ug/kg	ND	240	ND	48	3,200	48
Toluene	ug/kg	ND	660	390	130	39,000	130
Ethylbenzene	ug/kg	17,000	460	1,800	92	14,000	92
Xylenes	ug/kg	55,000	3,000	3,600	600	78,000	600

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

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/06/92
DATE ANALYZED: 02/11/92
DATE REPORTED: 02/13/92
PAGE: Three

Sample Type: Soil

Method and Constituent:	Units	S-P Concentration	S-P Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
DHS Method:					
Total Petroleum Hydrocarbons as Gasoline	ug/kg	720	500	ND	500
EPA Method 8020 for:					
Benzene	ug/kg	ND	5.0	ND	5.0
Toluene	ug/kg	ND	6.6	5.3	5.0
Ethylbenzene	ug/kg	ND	5.0	ND	5.0
Xylenes	ug/kg	ND	30	ND	15

QC Summary:

% Recovery: 66
% RPD: 9.1

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

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/10/92
DATE ANALYZED: 02/13/92
DATE REPORTED: 02/13/92
PAGE: Four

Sample Type: Soil

Method and Constituent:	Units	S3-BP Concentration	S3-BP Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
Standard Method 5520 Hydrocarbons:					
Oil and Grease	ug/kg	54,000	50,000	ND	50,000

QC Summary:

% Recovery: 62
% RPD: 7.4

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

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/07/92
DATE ANALYZED: 02/08/92
DATE REPORTED: 02/13/92
PAGE: Five

Sample Type: Soil

Method and Constituent	Units	S3-BP Concentration	S3-BP Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
EPA Method 8010:					
Benzyl Chloride	ug/kg	ND	50	ND	50
Bis (2-Chloroethoxy) Methane	ug/kg	ND	50	ND	50
Bis (2-Chloroisopropyl) Ether	ug/kg	ND	50	ND	50
Bromobenzene	ug/kg	ND	50	ND	50
Bromodichloromethane	ug/kg	ND	50	ND	50
Bromoform	ug/kg	ND	50	ND	50
Bromomethane	ug/kg	ND	50	ND	50
Carbon Tetrachloride	ug/kg	ND	50	ND	50
Chloracetaldehyde	ug/kg	ND	50	ND	50
Chloral	ug/kg	ND	50	ND	50
Chlorobenzene	ug/kg	ND	50	ND	50
Chloroethane	ug/kg	ND	50	ND	50
Chloroform	ug/kg	ND	50	ND	50
1-Chlorohexane	ug/kg	ND	50	ND	50
2-Chloroethyl Vinyl Ether	ug/kg	ND	50	ND	50

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

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/07/92
DATE ANALYZED: 02/08/92
DATE REPORTED: 02/13/92
PAGE: Six

Sample Type: Soil

Method and Constituent	Units	S3-BP Concentration	S3-BP Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
EPA Method 8010 (Continued):					
Chloromethane	ug/kg	ND	50	ND	50
Chloromethyl Methyl Ether	ug/kg	ND	50	ND	50
Chlorotoluene	ug/kg	ND	50	ND	50
Dibromochloromethane	ug/kg	ND	50	ND	50
Dibromomethane	ug/kg	ND	50	ND	50
1,2-Dichlorobenzene	ug/kg	ND	50	ND	50
1,3-Dichlorobenzene	ug/kg	ND	50	ND	50
1,4-Dichlorobenzene	ug/kg	ND	50	ND	50
Dichlorodifluoromethane	ug/kg	ND	50	ND	50
1,1-Dichloroethane	ug/kg	ND	50	ND	50
1,2-Dichloroethane	ug/kg	ND	50	ND	50
1,1-Dichloroethylene	ug/kg	ND	50	ND	50
Trans-1,2-Dichloroethylene	ug/kg	ND	50	ND	50
Dichloromethane	ug/kg	ND	50	ND	50
1,2-Dichloropropane	ug/kg	ND	50	ND	50
1,3-Dichloropropylene	ug/kg	ND	50	ND	50
1,1,2,2-Tetrachloroethane	ug/kg	ND	50	ND	50

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

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/07/92
DATE ANALYZED: 02/08/92
DATE REPORTED: 02/13/92
PAGE: Seven

Sample Type: Soil

Method and Constituent	Units	S3-BP Concentration	S3-BP Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
EPA Method 8010 (Continued):					
1,1,1,2-Tetrachloroethane	ug/kg	ND	50	ND	50
Tetrachloroethylene	ug/kg	ND	50	ND	50
1,1,1-Trichloroethane	ug/kg	ND	50	ND	50
1,1,2-Trichloroethane	ug/kg	ND	50	ND	50
Trichloroethylene	ug/kg	ND	120	ND	120
Trichlorofluoromethane	ug/kg	ND	50	ND	50
Trichloropropane	ug/kg	ND	50	ND	50
Vinyl Chloride	ug/kg	ND	50	ND	50

QC Summary:

% Recovery: 106
% RPD: 25

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

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/11/92
DATE ANALYZED: 02/11/92 and 02/12/92
DATE REPORTED: 02/13/92
PAGE: Eight

Sample Type: Soil

Method and Constituent:	Units	S3-BP Concentration	S3-BP Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit	QC Summary % Recovery	QC Summary % RPD
EPA Method 7130:							
Cadmium	ug/kg	ND	250	ND	250	82	**
EPA Method 7190:							
Chromium	ug/kg	35,000	1,200	ND	1,200	117	0.7
EPA Method 7420:							
Lead	ug/kg	10,000	2,500	ND	2,500	75*	9.5
EPA Method 7520:							
Nickel	ug/kg	46,000	7,500	ND	7,500	112	2.4
EPA Method 7950:							
Zinc	ug/kg	57,000	1,200	ND	1,200	75	1.0

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

* The Recovery is for the Laboratory Control Sample, due to interference in the spiked sample.
** The RPD is not reportable since the sample prepared in duplicate was not detectable.

for

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: TAL
TURNAROUND: NORMAL
P.O. #: 374

CHAIN OF CUSTODY

1768

PROJECT NO.: 018A-020692
SITE NAME & ADDRESS: 16035 EAST 14TH STREET, SAN LEANDRO, CA

SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER:
LEE THOMAS & TRAVIS
TANK PROTECT ENGINEERING
2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088

(1) TYPE OF CONTAINER

ANALYSES REQUESTED: TOTAL LIGHT HC; AROMATIC HC (BTX); TOTAL HEAVY HC; OIL & GREASE; VOC SCAN; OTHER

ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION	TYPE OF CONTAINER	TOTAL LIGHT HC	AROMATIC HC (BTX)	TOTAL HEAVY HC	OIL & GREASE	VOC SCAN	OTHER
S1-SE	2/5/92	10:18	✓		S1-SE @ 8.5'	BRASS TUBE	✓	✓				
S2-SE		10:31			S2-SE @ 8.5'							
S1-NW		10:43			S1-NW @ 8.5'							
S2-NW		10:55			S2-NW @ 8.5'							
S3-BP		11:10			S3-BP @ 8.5'				✓	✓	✓	✓
S-P		2:42			S-P @ 1.5'							
S1-1		2:47			@ STOCKPILE #1							
S1-2		2:51			@ STOCKPILE #1							
S1-3		2:54			@ STOCKPILE #2							

4 SAMPLES → COMPOSITE

COMPOSITE

Relinquished by : (Signature)	Date / Time	Received by : (Signature)	Relinquished by : (Signature)	Date / Time	Received by : (Signature)
Michael Cose	2/6/92 1:28	[signature]			
Relinquished by : (Signature)	Date / Time	Received by : (Signature)	Relinquished by : (Signature)	Date / Time	Received by : (Signature)
		[signature]			
Relinquished by : (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
				PICK-UP 5-Feb soil, 1-bt @ ice, y-1	

DATE: 2/6/92

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

LAB: T.A.L.

TURNAROUND: NORMAL

P.O. #: 374

CHAIN OF CUSTODY

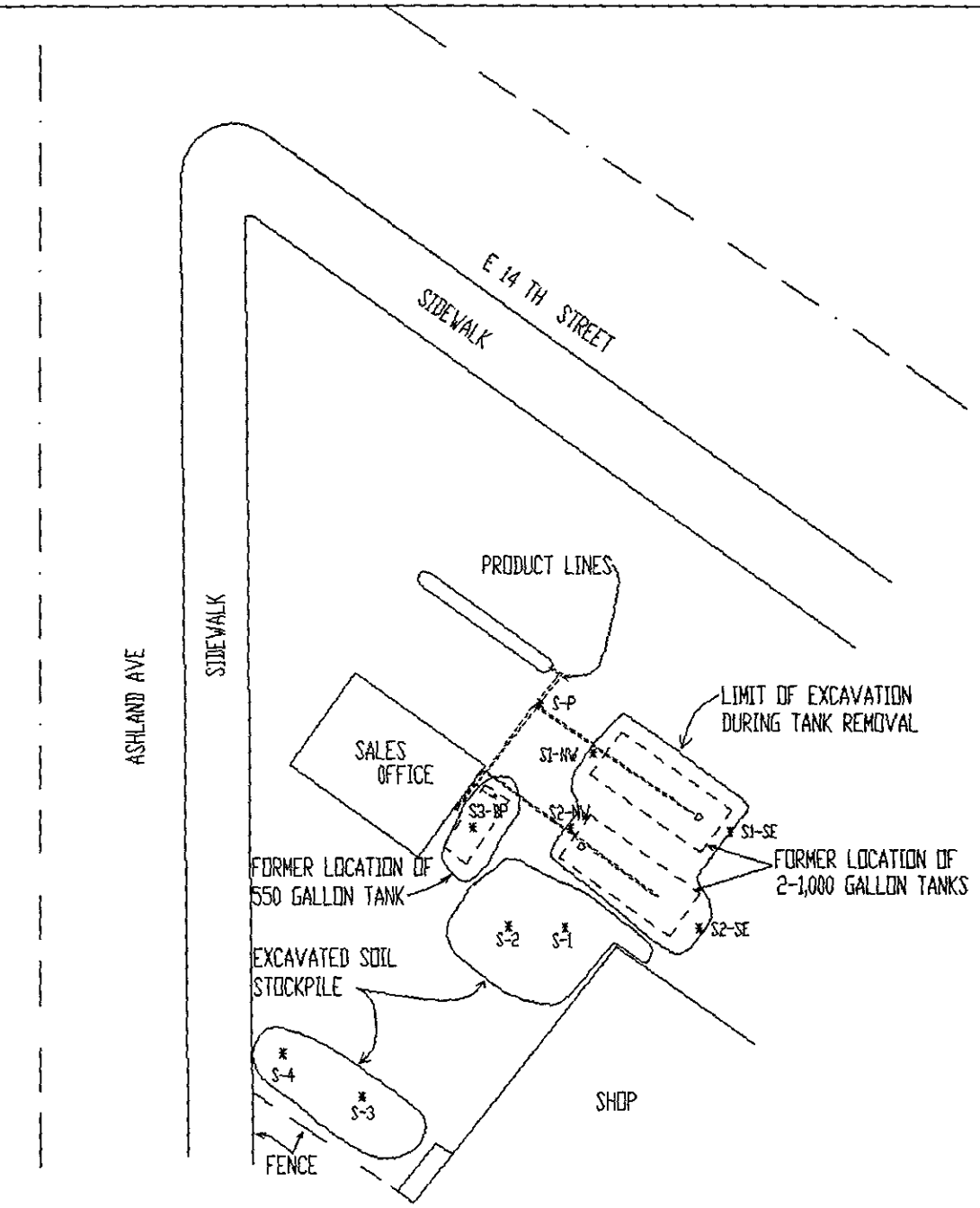
PROJECT NO.	SITE NAME & ADDRESS
28A - 0206.92	16035 EAST 14th STREET SAN LEANDRO, CA

SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER
LYLE THOMAS G. TRAVIS
TANK PROTECT ENGINEERING
2821 WHIPPLE ROAD, UNION CITY, CA 94587 ~~(415)~~ 429-8088

ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION	(1) TYPE OF CON-TAINER	ANALYTES REQUESTED: TOTAL LIGHT HC	AROMATIC HC (BTX)	TOTAL HEAVY HC	OIL & GREASE	VOC SCAN (624's)	OTHER	REMARKS
SI-4	2/5/92	2:57	✓		SI-4 @ STOCKPILE #2	BRASS TUBE	✓						J COMPOSITE W/ OTHER 3 IN PREVIOUS PAGE

Relinquished by : (Signature)	Date / Time	Received by : (Signature)	Relinquished by : (Signature)	Date / Time	Received by : (Signature)
Michael Carey	2/6/92 1:28				
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: 2/6/92



LEGEND

* NAME AND LOCATION
S1-NW OF SOIL SAMPLE

0 20

SCALE IN FEET

N

TANK PROTECT ENGINEERING

SITE PLAN

16035 EAST 14 TH AVE
SAN LEANDRO, CA 94578

DATE	02/20/92
FIGURE	1
FILE #	218A-1
DRAWN BY	ASH
CHECKED BY	LT

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED ? ☐ YES ☒ NO

REPORT DATE 02/24/92

CASE #

FOR LOCAL AGENCY USE ONLY

I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.

SIGNED _____ DATE _____

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Marc Zomorodi

PHONE: (510) 429-8088

SIGNATURE: Marc Zomorodi

REPRESENTING ☒ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER

COMPANY OR AGENCY NAME: Tank Protect Engineering of Northern California

ADDRESS: 2821 Whipple Road (STREET) Union City, (CITY) CA (STATE) 94587 (ZIP)

RESPONSIBLE PARTY

NAME ☐ UNKNOWN

CONTACT PERSON: Mary Petsas

PHONE: (510) 276-2828

ADDRESS: 16518 Toledo Street (STREET) San Leandro, (CITY) CA (STATE) 94578 (ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE)

OPERATOR

PHONE ( )

ADDRESS: 16035 East 14th (STREET) San Leandro, (CITY) Alameda (COUNTY) 94578 (ZIP)

CROSS STREET

IMPLEMENTING AGENCIES

LOCAL AGENCY / AGENCY NAME: Alameda County Health Care Services Agency

CONTACT PERSON: Scott Seery

PHONE: (415) 271-4320

REGIONAL BOARD: CRWQCB - S.F. Bay Region

PHONE ( )

SUBSTANCES INVOLVED

(1) NAME: Petroleum hydrocarbons - see below

QUANTITY LOST (GALLONS) ☐ UNKNOWN

(2) ☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 02/04/92

HOW DISCOVERED ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☒ TANK REMOVAL ☐ OTHER

DATE DISCHARGE BEGAN ☐ UNKNOWN

HAS DISCHARGE BEEN STOPPED ? ☐ YES ☐ NO IF YES, DATE

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)

☐ REMOVE CONTENTS ☒ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☐ TANK LEAK ☒ UNKNOWN ☐ PIPING LEAK ☐ OTHER

CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☐ UNKNOWN ☐ OTHER

CASE TYPE

CHECK ONE ONLY

☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY

☒ NO ACTION TAKEN ☐ LEAK BEING CONFIRMED ☐ REMEDIATION PLAN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ POLLUTION CHARACTERIZATION ☐ POST CLEANUP MONITORING IN PROGRESS ☐ CLEANUP UNDERWAY

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)

☐ CAP SITE (CD) ☐ CONTAINMENT BARRIER (CB) ☐ VACUUM EXTRACT (VE) ☐ EXCAVATE & DISPOSE (ED) ☐ EXCAVATE & TREAT (ET) ☐ NO ACTION REQUIRED (NA) ☐ OTHER (OT) ☐ REMOVE FREE PRODUCT (FP) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ TREATMENT AT HOOKUP (HU) ☐ ENHANCED BIO DEGRADATION (IT) ☐ REPLACE SUPPLY (RS) ☐ VENT SOIL (VS)

COMMENTS

Two 1,000 - gallon gasoline and one 550 - gallon waste oil, underground, storage tanks were removed.

Leak report already filed 2/6/92 by Scott

HSC 05 (8/90)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety code Section 25180.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name

RESPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Check box(es) indicating cause of leak.

CASE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.
Leak Being Confirmed - Leak suspected at site, but has not been confirmed.
Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.
Preliminary Site Assessment Underway - implementation of workplan.
Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.
Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.
Cleanup Underway - implementation of remediation plan.
Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.
Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading *or land farming*).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
Vacuum Extract - use pumps or blowers to draw air through soil.
Vent Soil - bore holes in soil to allow volatilization of contaminants.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION
If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.
1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

TANK PROTECT ENGINEERING

TRANSMITTAL FORM

DATE: 2/21/92 PROJECT NO.: 218 A

TO: Alameda County Health Care Services Agency
Attn: Scott Seery

FROM: Marc Zomorodi

WE ARE SENDING YOU ☐ ATTACHED ☐ UNDER SEPARATE COVER
VIA Fax THE FOLLOWING ITEMS:

☐ LETTER(S) ☐ PROPOSAL(S) ☐ TABLE(S) ☐ FIGURE(S)
☐ SPECIFICATION(S) ☐ CHANGE ORDER(S) ☐ REPORT(S)
☒ Laboratory Analytical Results

COPIES	DATED	DESCRIPTION
13 pages (Incl. cover page)		Lab Analytical Results for tank removal project located at E. 14th Street, San Leandro, CA

THESE ARE TRANSMITTED FOR:
☒ YOUR REVIEW AND COMMENT
☐ YOUR REQUEST
☐ YOUR APPROVAL
☐ YOUR FILES
☐ APPROVED AS SUBMITTED
☐ APPROVED AS NOTED
☐ _____

REMARKS: Please contact me when you receive these results so we discuss future steps to notify the owner and continue the project.
Phone # (510) 429-8088

CC: File

SIGNATURE: Marc Zomorodi

- received 2/24
- phone call w/ Mark Zomorodi of TPE

Trace Analysis Laboratory, Inc.
3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960
Facsimile (510) 783-1512

TAL

February 13, 1992

Mr. Marc Zomorodi
Tank Protect Engineering
2821 Whipple Road
Union City, California 94587

Dear Mr. Zomorodi:

Trace Analysis Laboratory received ten soil samples on February 6, 1992 for your Project No. 218A-020692, 16035 East 14th Street, San Leandro, CA (our custody log number 1768).

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

Sincerely yours,

Jennifer Pekol

Jennifer Pekol
Project Specialist

Enclosures

Trace Analysis Laboratory, Inc.
3423 Investment Boulevard, #8 • Hayward, California 94545
Telephone (510) 783-6960
Facsimile (510) 783-1512

TAL

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/07/92
DATE ANALYZED: 02/12/92
DATE REPORTED: 02/13/92

CUSTOMER: Tank Protect Engineering

REQUESTER: Marc Zomorodi

PROJECT: No. 218A-020692, 16035 East 14th Street, San Leandro, CA

Sample Type: Soil

Method and Constituent:	Units	S3-BP Concentration	S3-BP Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
DHS Method:					
Total Petroleum Hydrocarbons as Diesel	ug/kg	950,000	8,000	ND	1,000

QC Summary:

% Recovery: 103*
% RPD: 24

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

Sample, S3-BP contains compounds eluting earlier than the diesel standard.

* The Recovery is for the Laboratory Control Sample, due to the high concentration in the spiked sample.

Trace Analysis Laboratory, Inc.

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/06/92
DATE ANALYZED: 02/11/92
DATE REPORTED: 02/13/92
PAGE: Two

Sample Type: Soil

Method and Constituent:	Units	Composite of S1-1, S1-2, S1-3 and S1-4 Concentration	Composite of S1-1, S1-2, S1-3 and S1-4 Reporting Limit	S1-NW Concentration	S1-NW Reporting Limit	S1-SE Concentration	S1-SE Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	160,000	1,300	660,000	1,300	220,000	1,300
EPA Method 8020 for:							
Benzene	ug/kg	ND	48	ND	48	ND	48
Toluene	ug/kg	ND	130	590	130	190	130
Ethylbenzene	ug/kg	870	92	9,100	92	1,900	92
Xylenes	ug/kg	3,300	600	33,000	600	1,100	600

Method and Constituent:	Units	S2-NW Concentration	S2-NW Reporting Limit	S2-SE Concentration	S2-SE Reporting Limit	S3-BP Concentration	S3-BP Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	880,000	6,400	330,000	1,300	1,300,000	1,300
EPA Method 8020 for:							
Benzene	ug/kg	ND	240	ND	48	3,200	48
Toluene	ug/kg	ND	660	390	130	39,000	130
Ethylbenzene	ug/kg	17,000	460	1,800	92	14,000	92
Xylenes	ug/kg	55,000	3,000	3,600	600	78,000	600

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

TAL Trace Analysis Laboratory, Inc.

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
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DATE EXTRACTED: 02/06/92
DATE ANALYZED: 02/11/92
DATE REPORTED: 02/13/92
PAGE: Three

Sample Type: Soil

Method and Constituent:	Units	S-P Concentration	S-P Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
DHS Method:					
Total Petroleum Hydrocarbons as Gasoline	ug/kg	720	500	ND	500
EPA Method 8020 for:					
Benzene	ug/kg	ND	5.0	ND	5.0
Toluene	ug/kg	ND	6.6	5.3	5.0
Ethylbenzene	ug/kg	ND	5.0	ND	5.0
Xylenes	ug/kg	ND	30	ND	15

QC Summary:

% Recovery: 66
% RPD: 9.1

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

Trace Analysis Laboratory, Inc.

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/10/92
DATE ANALYZED: 02/13/92
DATE REPORTED: 02/13/92
PAGE: Four

Sample Type: Soil

Method and Constituent:	Units	SB-BP Concentration	SB-BP Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
Standard Method 5520 Hydrocarbons:					
Oil and Grease	ug/kg	54,000	50,000	ND	50,000

QC Summary:

% Recovery: 62
% RPD: 7.4

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

Trace Analysis Laboratory, Inc.

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/07/92
DATE ANALYZED: 02/08/92
DATE REPORTED: 02/13/92
PAGE: Five

Sample Type: Soil

Method and Constituent	Units	S3-BP Concentration	S3-BP Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
EPA Method 8010:					
Benzyl Chloride	ug/kg	ND	50	ND	50
Bis (2-Chloroethoxy) Methane	ug/kg	ND	50	ND	50
Bis (2-Chloroisopropyl) Ether	ug/kg	ND	50	ND	50
Bromobenzene	ug/kg	ND	50	ND	50
Bromodichloromethane	ug/kg	ND	50	ND	50
Bromoform	ug/kg	ND	50	ND	50
Bromomethane	ug/kg	ND	50	ND	50
Carbon Tetrachloride	ug/kg	ND	50	ND	50
Chloracetaldehyde	ug/kg	ND	50	ND	50
Chloral	ug/kg	ND	50	ND	50
Chlorobenzene	ug/kg	ND	50	ND	50
Chloroethane	ug/kg	ND	50	ND	50
Chloroform	ug/kg	ND	50	ND	50
1-Chlorohexane	ug/kg	ND	50	ND	50
2-Chloroethyl Vinyl Ether	ug/kg	ND	50	ND	50

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

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DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/07/92
DATE ANALYZED: 02/08/92
DATE REPORTED: 02/13/92
PAGE: Six

Sample Type: Soil

Method and Constituent	Units	S3-BP Concentration	S3-BP Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
EPA Method 8010 (Continued):					
Chloromethane	ug/kg	ND	50	ND	50
Chloromethyl Methyl Ether	ug/kg	ND	50	ND	50
Chlorotoluene	ug/kg	ND	50	ND	50
Dibromochloromethane	ug/kg	ND	50	ND	50
Dibromomethane	ug/kg	ND	50	ND	50
1,2-Dichlorobenzene	ug/kg	ND	50	ND	50
1,3-Dichlorobenzene	ug/kg	ND	50	ND	50
1,4-Dichlorobenzene	ug/kg	ND	50	ND	50
Dichlorodifluoromethane	ug/kg	ND	50	ND	50
1,1-Dichloroethane	ug/kg	ND	50	ND	50
1,2-Dichloroethane	ug/kg	ND	50	ND	50
1,1-Dichloroethylene	ug/kg	ND	50	ND	50
Trans-1,2-Dichloroethylene	ug/kg	ND	50	ND	50
Dichloromethane	ug/kg	ND	50	ND	50
1,2-Dichloropropane	ug/kg	ND	50	ND	50
1,3-Dichloropropylene	ug/kg	ND	50	ND	50
1,1,2,2-Tetrachloroethane	ug/kg	ND	50	ND	50

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

Trace Analysis Laboratory, Inc.

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/07/92
DATE ANALYZED: 02/08/92
DATE REPORTED: 02/13/92
PAGE: Seven

Sample Type: Soil

Method and Constituent	Units	S3-BP Concentration	S3-BP Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
EPA Method 8010 (Continued):					
1,1,1,2-Tetrachloroethane	ug/kg	ND	50	ND	50
Tetrachloroethylene	ug/kg	ND	50	ND	50
1,1,1-Trichloroethane	ug/kg	ND	50	ND	50
1,1,2-Trichloroethane	ug/kg	ND	50	ND	50
Trichloroethylene	ug/kg	ND	120	ND	120
Trichlorofluoromethane	ug/kg	ND	50	ND	50
Trichloropropane	ug/kg	ND	50	ND	50
Vinyl Chloride	ug/kg	ND	50	ND	50

QC Summary:

% Recovery: 106
% RPD: 25

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

TANK PROTECT ENGINEERING

Lyle T. Travis
Civil Engineer

Tank Protect Engineering
of Northern California
Environmental Management

Specializing in Underground Tank
• Removal • Installation • Soil & Water Clean Up

2821 Whipple Rd.
Union City, CA 94587
Engr. Contr. Lic. No. 575837

(415) 429-8088
(800) 523-8088
FAX: (415) 429-8089

TAL Trace Analysis Laboratory, Inc.

LOG NUMBER: 1768
DATE SAMPLED: 02/05/92
DATE RECEIVED: 02/06/92
DATE EXTRACTED: 02/11/92
DATE ANALYZED: 02/11/92 and 02/12/92
DATE REPORTED: 02/13/92
PAGE: Eight

Sample Type: Soil

Method and Constituent:	Units	S3-8B Concentration	S3-8B Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit	QC Summary % Recovery	QC Summary % RPD
EPA Method 7130:							
Cadmium	ug/kg	ND	250	ND	250	82	**
EPA Method 7190:							
Chromium	ug/kg	35,000	1,200	ND	1,200	117	0.7
EPA Method 7420:							
Lead	ug/kg	10,000	2,500	ND	2,500	75*	9.5
EPA Method 7520:							
Nickel	ug/kg	46,000	7,500	ND	7,500	112	2.4
EPA Method 7950:							
Zinc	ug/kg	57,000	1,200	ND	1,200	75	1.0

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

* The Recovery is for the Laboratory Control Sample, due to interference in the spiked sample.
** 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

2021 WHIPPLE ROAD
UNION CITY, CA 94587
(415)429-8088
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TANK PROTECT ENGINEERING — Environmental Management

LAB: TAL
TURNAROUND: NORMAL
P.O. #: 374

PAGE 1 OF 2

CHAIN OF CUSTODY

1768

PROJECT NO.: 018A-020692

SITE NAME & ADDRESS: 16035 EAST 14th STREET, SAN LEANDRO, CA

SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER: Thomas G. Travis, Tank Protect Engineering, 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 510 429-8088

(1) TYPE OF CONTAINER

ANALYTES REQUESTED: TOTAL LIGHT HC / AROMATIC HC (BTX) / TOTAL HEAVY HC / OIL & GREASE / VOC SCAN / OTHER

ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION	TYPE OF CONTAINER	TOTAL LIGHT HC	AROMATIC HC (BTX)	TOTAL HEAVY HC	OIL & GREASE	VOC SCAN	OTHER	
S1-SE	2/5/92	10:13	✓		S1-SE @ 8.5'	BRASS TUBE	✓	✓					
S2-SE	↓	10:31	↓		S2-SE @ 8.5'	↓	↓	↓					
S1-NW		10:43			S1-NW @ 8.5'								
S2-NW		10:55			S2-NW @ 8.5'								
S3-BP		11:10			S3-BP @ 8.5'				✓	✓	✓	✓	
S-P		2:42			S-P @ 1.5'								4 SAMPLES → COMPOSITE
S1-1		2:47			@ STOCKPILE #1								
S1-2		2:57			@ STOCKPILE #1								COMPOSITE
S1-3	↓	2:57	↓		@ STOCKPILE #2	↓	↓	↓					

Relinquished by : (Signature)	Date / Time	Received by : (Signature)	Relinquished by : (Signature)	Date / Time	Received by : (Signature)
Michael [signature]	2/6/92 1:28	Jennifer [signature]			
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: Pick-up 5 day	

soil, [illegible], [illegible], y-[illegible]

DATE: 2/6/92

FEB 21 '92 12:08 348 P11

TANK PROTECT ENGINEERING

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

LAB: T.A.L.

TURNAROUND: NORMAL

P.O. #: 374

PAGE 2 OF 2

CHAIN OF CUSTODY

PROJECT NO.: 2BA-0206.92

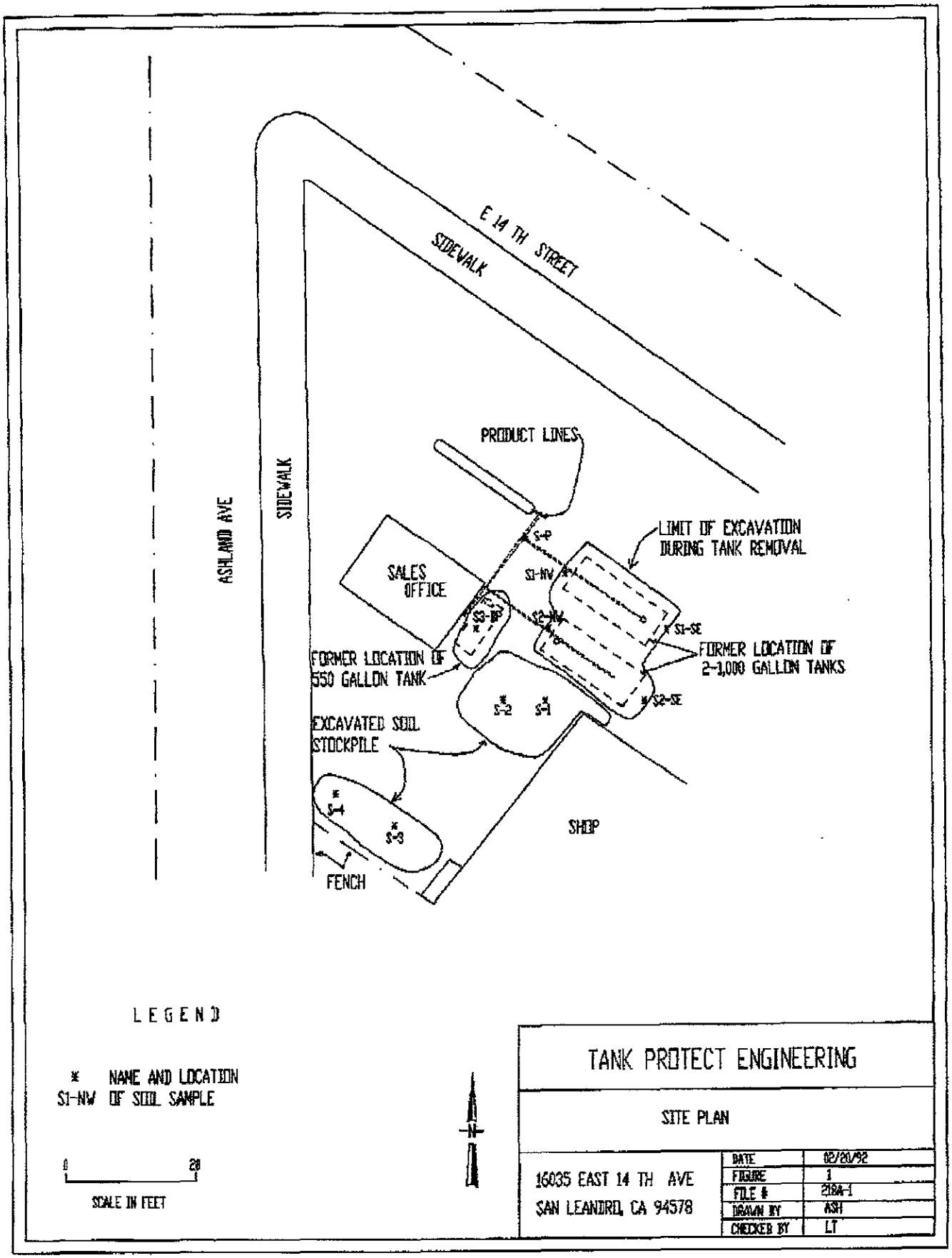
SITE NAME & ADDRESS: 1605 EAST 14th STREET SAN LEANDRO, CA

SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER: KYLE THOMAS C. TRAVIS TANK PROTECT ENGINEERING 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088

ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION	(1) TYPE OF CONTAINER	ANALYTES REQUESTED: TOTAL LIGHT HC	AROMATIC HC (BTX)	TOTAL HEAVY HC	OIL & GREASE	TOC SCAN (624's)	OTHER	REMARKS
SV-4	2/6/92	1:57	—		SV-4 @ 4'3"	BRASS TUBE	2						3 COMPOSITE W/ OTHER 3 IN PREVIOUS CHAIN

Relinquished by : (Signature)	Date / Time	Received by : (Signature)	Relinquished by : (Signature)	Date / Time	Received by : (Signature)
Michael Conde	2/6/92 1:28				
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: 2/6/92



LEGEND

* NAME AND LOCATION
S1-NW OF SOIL SAMPLE

0 20
SCALE IN FEET

TANK PROTECT ENGINEERING

SITE PLAN

16035 EAST 14 TH AVE
SAN LEANDRO, CA 94578

DATE	02/20/92
FIGURE	1
FILE #	218A-1
DRAWN BY	ASH
CHECKED BY	LT