SCOTT CO.
MECHANICAL CONTRACTORS
1717 Doolittle Drive
P.O. Box 5555
San Leandro, California 94577-0655
(510) 895-2333
Contractors License No. 184480

ENVIRONMENTAL PROTECTION
98 JUN 10 PM 6:44

June 8, 1998

Alameda County Environmental Health
Hazardous Material Division
1131 Harbor Bay Parkway
Alameda, California 94502

Attention: Robert Weston

Regarding: Closure Report
City of Alameda Maintenance Center Waste Oil Tank Removal
STID 1550 2040 Grand Ave. Alameda, CA

Gentlemen:

This report is being submitted on behalf of the City of Alameda, regarding the removal of one (1) 500-gallon waste oil tank at the Alameda Maintenance Facility located at 2040 Grand Ave. in Alameda, California. Scott Co. of California was contracted by the City of Alameda as a General Contractor to perform the removal of one (1) tank. This report outlines the tank removal and subsequent remediatory action required to clean up the released waste oil around one (1) remote fill.

On Wednesday, February 18, 1998, Scott Co. of California removed one (1) 500-gallon single wall steel underground storage tank (UST) located at the above referenced facility.

The tank was pumped free of product and inerted with dry ice for removal at 11:30 AM. The tank removal was observed by Robert Weston of Alameda County Environmental Health, and inspected, revealing no signs of exterior corrosion or structural failure. The tank was loaded and transported for disposal by ECI to its Richmond facility.

The excavation revealed standing ground water at approximately 5 feet below grade. Due to on-going rain during the project, ground water levels were most likely higher than normal

A representative from North State Environment (NSE), performed soil and ground water sampling One (1) ground water and one (1) four-point composite soil sample was obtained for the following. TPH gasoline, TPH Diesel, BTEX, 5 Metal, Oil and Grease, 8010 PCB's and PNA s

On February 27, 1998, the analytical data from the tank removal was submitted to Alameda County Environmental Health, Hazardous Material Division for review. No detectable action levels of contaminants were found in the soil stockpile or ground water in the excavation (see sample log #98-175).

On Friday, February 27, 1998, the concrete surrounding the remote fill opening, for the waste oil tank, was removed and exposed for sampling. Robert Weston requested that the fill be sampled since no overspill prevention had been installed and evidence of overspill or overfill was evident. Prior to sampling any soil, which had been in contact with waste oil was hand excavated and placed in drums for future disposal.

On March 10, 1998, the soil sample analysis from the soil surrounding the remote fill was faxed to Robert Weston of Alameda County Environmental Health, Hazardous Material Division for review.

The soil revealed elevated levels of TEPH, TPH Diesel, and 5 Metals (see sample log #98-218). A work plan was submitted to Robert Weston for approval to further over excavate around the remote fill areas.

On March 19, 1998, additional concrete was removed around the remote fill area, in an attempt to reach the furthest extent of lateral waste oil contamination. Although successful, soil exposure in the direction of the tank was limited due to a building wall and footing.

Soil sampling was performed by a representative of NSE, under the direction of Robert Weston of Alameda County Environmental Health, Hazardous Material Division. A full waste oil scan was obtained as in the previous sampling events.

On Friday, March 27, 1998, the sample analysis for the second over excavation of the waste oil remote fill was faxed to Robert Weston of Alameda County Environmental Health, Hazardous Material Division for review. Although the analysis revealed significant reductions in TEPH, TPH Diesel and 5 Metal, action levels were still evident for certain constituents

After discussion and the review of the data with Robert Weston, Scott Co. of California received approval to backfill both the tank pit and remote fill areas.

On April 13 and 14, 1998, both areas were backfilled using clean imported soil/gravel and subsequently resurface with concrete.

At this time we are unsure if Alameda County Environmental Health, Hazardous Material Division will require any further action at this site. Should you require any further information or have any questions, please do not hesitate to call me at (510) 895-2333, extension 385.

Very truly yours,
SCOTT CO. OF CALIFORNIA

Paul Ferreira
Environmental Estimator/Project Manager

G:/scottco/jobs/tank/Lpf06088ACEH

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 510/271-4320

ACCEPTED
Underground Storage Tank Closure Permit Application
Alameda County Division of Hazardous Materials
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction.
One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.
Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws.
Notify this Department at least 72 hours prior to the following required inspections:
✓ Removal of Tank(s) and Piping
✓ Sampling
✓ Final Inspection

Issuance of a) permit to operate, b) permanent closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

Contact Specialist: ROBERT WESTON 1/26/98

SEE TABLE 2 FOR REQUIRED ANALYSES.
PROVIDE BOE # ON FORM A.

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name City of Alameda Maintenance Central Equipment Garage
   Business Owner City of Alameda
2. Site Address 2040 Grand Ave
   City Alameda Zip 94501 Phone 748-4519
3. Mailing Address 2040 Grand Ave
   City Alameda Zip 94501 Phone 748-4519
4. Land Owner City of Alameda
   Address 1616 Factman City, State Alameda Zip 94501
5. Generator name under which tank will be manifested ~~CITY OF~~
   City of Alameda
   EPA I.D. No. under which tank will be manifested CAL 000 064 322

6. Contractor Scott Company

Address 1717 Doolittle Dr

City San Leandro CA Phone (510) 895-2333

License Type* A Gen ID# 184480

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant N/A

Address

City Phone

8. Contact Person for Investigation

Name Paul Ferreira Title Project Manager

Phone (510) 895-2333 X385

9. Number of tanks being closed under this plan One

Length of piping being removed under this plan less 20'

Total number of tanks at facility One

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground tanks are hazardous waste and must be handled as hazardous waste **

a) Product/Residual Sludge/Rinsate Transporter

Name Erickson Inc EPA I.D. No. CAD 009 466 392

Hauler License No. 0019 License Exp. Date on Going

Address 235 Parr Blvd

City Richmond State Ca Zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site

Name Erickson Inc EPA I.D. No.

Address Same as Above

City State Zip

c) Tank and Piping Transporter

Name Erickson Inc EPA I.D. No. CAD 009 466 392

Hauler License No. 0019 License Exp. Date On Going

Address 235 Parr Blvd

City Richmond State CA Zip 94801

d) Tank and Piping Disposal Site

Name SAME AS EPA I.D. No. —

Address ABOVE

City — State — Zip —

11. Experienced Sample Collector

Name Representative of North State Environ.

Company

Address

City State Zip Phone

12. Laboratory

Name North State Environmental

Address PO Box 5624

City S. San Francisco State CA Zip 94083

State Certification No. # 1753

13. Have tanks or pipes leaked in the past? Yes [ ] No [X]

If yes, describe.

14. Describe methods to be used for rendering tank inert

Addition of 30 lbs of dry ice per 1000 gallons

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It **is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.**

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
500 gallon	Waste oil	Soil Water if present	5-6 feet below grade

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated)	Sampling Plan (1) sample per every 20ft^3

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
TPH Gasoline	8015 M		
TPH Diesel	" "		
BTEX	8020		
MTBE	"		
LUFT 5 Metals	Varies		
O & G	SM 5520		
PCB's	8080		
PNA's	8270		
HVOC's	8010		Soil:

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy

Name of Insurer CNA #WC9025 22155

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. **Report any leaks or contamination to this office within 5 days of discovery.** The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) Paul Ferreira

Signature

Date 1/22/98

Signature of Site Owner ~~or Operator~~

Name (please type)

Signature Paul Ferreira. For City of Alameda

Date 1/22/98

rev 3/92

TABLE #2
RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

HYDROCARBON LEAK	SOIL ANALYSIS	WATER ANALYSIS
Unknown Fuel	TPH G GCFID(5030) TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) TPH D GCFID(3510) BTX&E 602, 624 or 8260
Leaded Gas	TPH G GCFID(5030) BTX&E 8020 OR 8240 TPH AND BTX&E 8260 TOTAL LEAD AA ------Optional------- TEL DHS-LUFT EDB DHS-AB1803	TPH G GCFID(5030) BTX&E 602 or 624 TOTAL LEAD AA TEL DHS-LUFT EDB DHS-AB1803
Unleaded Gas	TPH G GCFID(5030) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) BTX&E 602, 624 or 8260
Diesel, Jet Fuel and Kerosene	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Fuel/Heating Oil	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Chlorinated Solvents	CL HC 8010 or 8240 BTX&E 8020 or 8240 CL HC AND BTX&E 8260	CL HC 601 or 624 BTX&E 602 or 624 CL HC AND BTX&E 8260
Non-chlorinated Solvents	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602 or 624 TPH and BTX&E 8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G GCFID(5030) TPH D GCFID(3550) TPH AND BTX&E 8260 O & G 5520 D & F BTX&E 8020 or 8240 CL HC 8010 or 8240	TPH G GCFID(5030) TPH D GCFID(3510 O & G 5520 C & F BTX&E 602, 624 or 8260 CL HC 601 or 624
	ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni METHOD 8270 FOR SOIL OR WATER TO DETECT: PCB* PCP* PNA CREOSOTE	PCB PCP PNA CREOSOTE

* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, 10 August 1990

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: [X] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY SITE CLOSURE [ ] 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR	
City of Alameda Maintenance Center	City of Alameda	
ADDRESS	NEAREST CROSS STREET	PARCEL # (OPTIONAL)
2040 Grand Ave	Grand	
CITY NAME	STATE / ZIP CODE	SITE PHONE # WITH AREA CODE
Alameda	CA 94501	(510) 748-4519

✓ BOX TO INDICATE: [ ] CORPORATION [ ] INDIVIDUAL [ ] PARTNERSHIP [X] LOCAL-AGENCY DISTRICTS [ ] COUNTY-AGENCY [ ] STATE-AGENCY [ ] FEDERAL-AGENCY

TYPE OF BUSINESS	✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
[ ] 1 GAS STATION [ ] 2 DISTRIBUTOR [ ] 3 FARM [ ] 4 PROCESSOR [X] 5 OTHER	[ ]	One	CAC 000 044 322

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Pete Carrai	325-4086	Paul Ferreira	(510) 895-2333
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Pete Carrai	748-4520	Paul Ferreira	800 822-2333

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION		
City of Alameda			
MAILING OR STREET ADDRESS	✓ box to indicate: [ ] INDIVIDUAL [X] LOCAL-AGENCY [ ] STATE-AGENCY		
1616 Fortman	[ ] CORPORATION [ ] PARTNERSHIP [ ] COUNTY-AGENCY [ ] FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
Alameda	CA	94501	(510) 748-4519

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION		
City of Alameda			
MAILING OR STREET ADDRESS	✓ box to indicate: [ ] INDIVIDUAL [X] LOCAL-AGENCY [ ] STATE-AGENCY		
1616 Fortman	[ ] CORPORATION [ ] PARTNERSHIP [ ] COUNTY-AGENCY [ ] FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
Alameda	CA	94501	(510) 748-4519

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ 44- [ ][ ][ ][ ][ ][ ][ ]

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: [X] 1 SELF-INSURED [ ] 2 GUARANTEE [ ] 3 INSURANCE [ ] 4 SURETY BOND [ ] 5 LETTER OF CREDIT [ ] 6 EXEMPTION [ ] 99 OTHER

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. [ ] II. [X] III. [ ]

~~THIS FORM~~ HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE MONTH/DAY/YEAR
Jean Scott Co. for City of Alameda	Environmental Manager	1/22/98

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #

LOCATION CODE *OPTIONAL* CENSUS TRACT # - *OPTIONAL* SUPVISOR - DISTRICT CODE *OPTIONAL*

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: City of Alameda 2040 Grand Ave. Alameda

I. TANK DESCRIPTION
COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #	B. MANUFACTURED BY: Unknown
C. DATE INSTALLED (MO/DAY/YEAR)	D. TANK CAPACITY IN GALLONS: 500 gallon

II. TANK CONTENTS
IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☒ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☐ 1 PRODUCT ☒ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 1c MIDGRADE UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☒ 99 OTHER (DESCRIBE IN ITEM D. BELOW) ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 8 M85

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED: Spent Crank Case Motor Oil C.A.S. #:

III. TANK CONSTRUCTION
MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☒ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SINGLE WALL IN A VAULT ☐ 5 INTERNAL BLADDER SYSTEM ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☒ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING OR COATING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☒ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. EXTERIOR CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☒ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL, etc. SPILL CONTAINMENT INSTALLED (YEAR) ___ DROP TUBE YES X NO ___ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) ___ STRIKER PLATE YES ___ NO X DISPENSER CONTAINMENT YES ___ NO X

IV. PIPING INFORMATION
CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A (U) 3 GRAVITY	A U 4 FLEXIBLE PIPING	A U 99 OTHER
B. CONSTRUCTION	A (U) 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN	A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A (U) 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE	
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP	
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER	

D. LEAK DETECTION: ☐ 1 MECHANICAL LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 CONTINUOUS INTERSTITIAL MONITORING ☐ 4 ELECTRONIC LINE LEAK DETECTOR ☐ 5 AUTOMATIC PUMP SHUTDOWN ☐ 99 OTHER TANK TEST

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 MANUAL INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☒ 6 ANNUAL TANK TESTING ☐ 7 CONTINUOUS INTERSTITIAL MONITORING ☐ 8 SIR ☐ 9 WEEKLY MANUAL TANK GAUGING ☐ 10 MONTHLY TANK TESTING ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL?
In Use	100 GALLONS	YES ☐ NO ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

TANK OWNER'S NAME (PRINTED & SIGNATURE)	DATE
Scott Fo: City of Alameda	1/22/98

LOCAL AGENCY USE ONLY
THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #

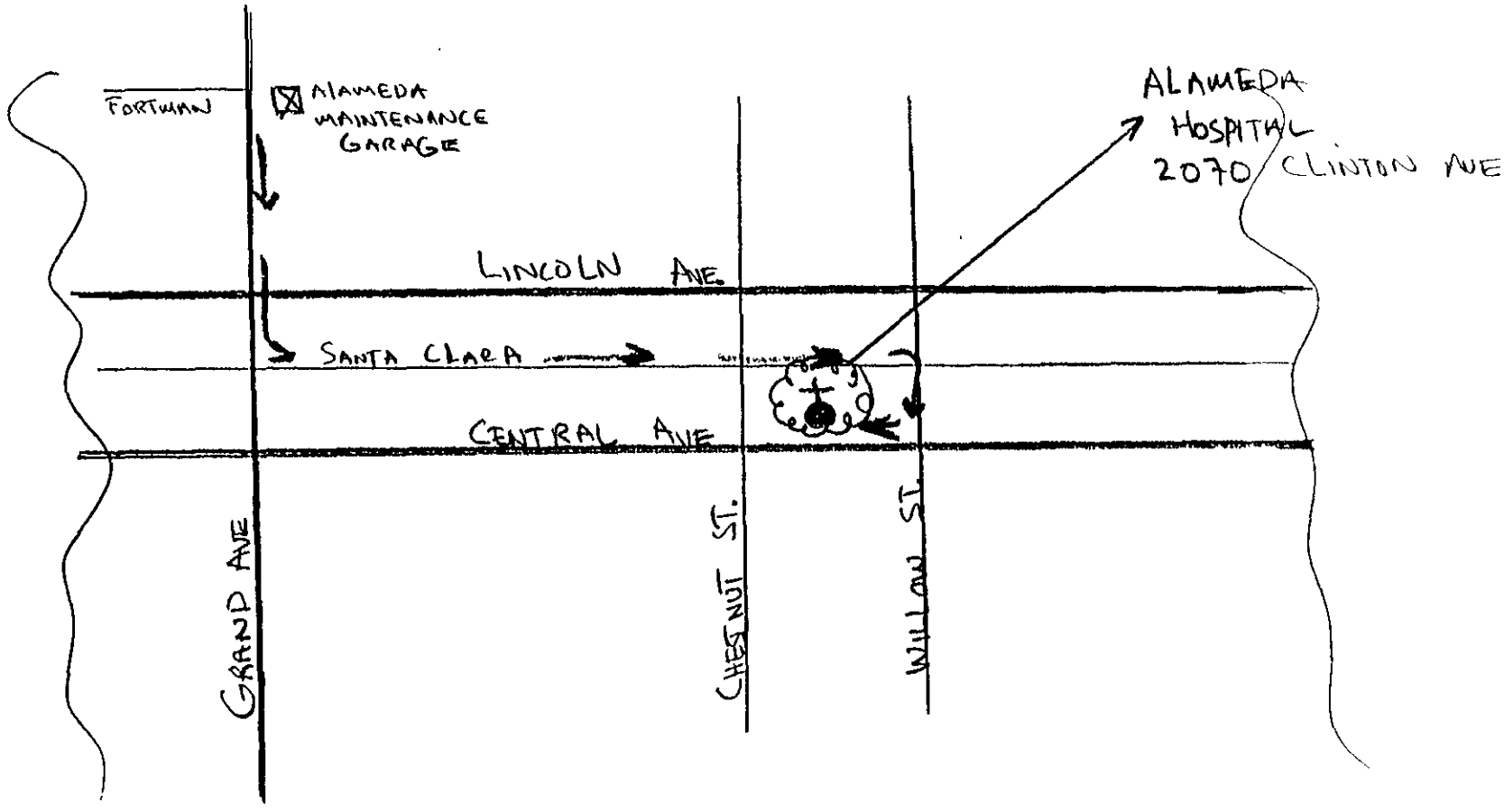
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED. FORM C MUST BE COMPLETED FOR INSTALLATIONS. THIS FORM SHOULD BE ACCOMPANIED BY A PLOT PLAN. FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS.

EMERGENCY ROUTE MAP

☒ Job site: 2040 Grand Ave

Hospital: 2070 Clinton Ave



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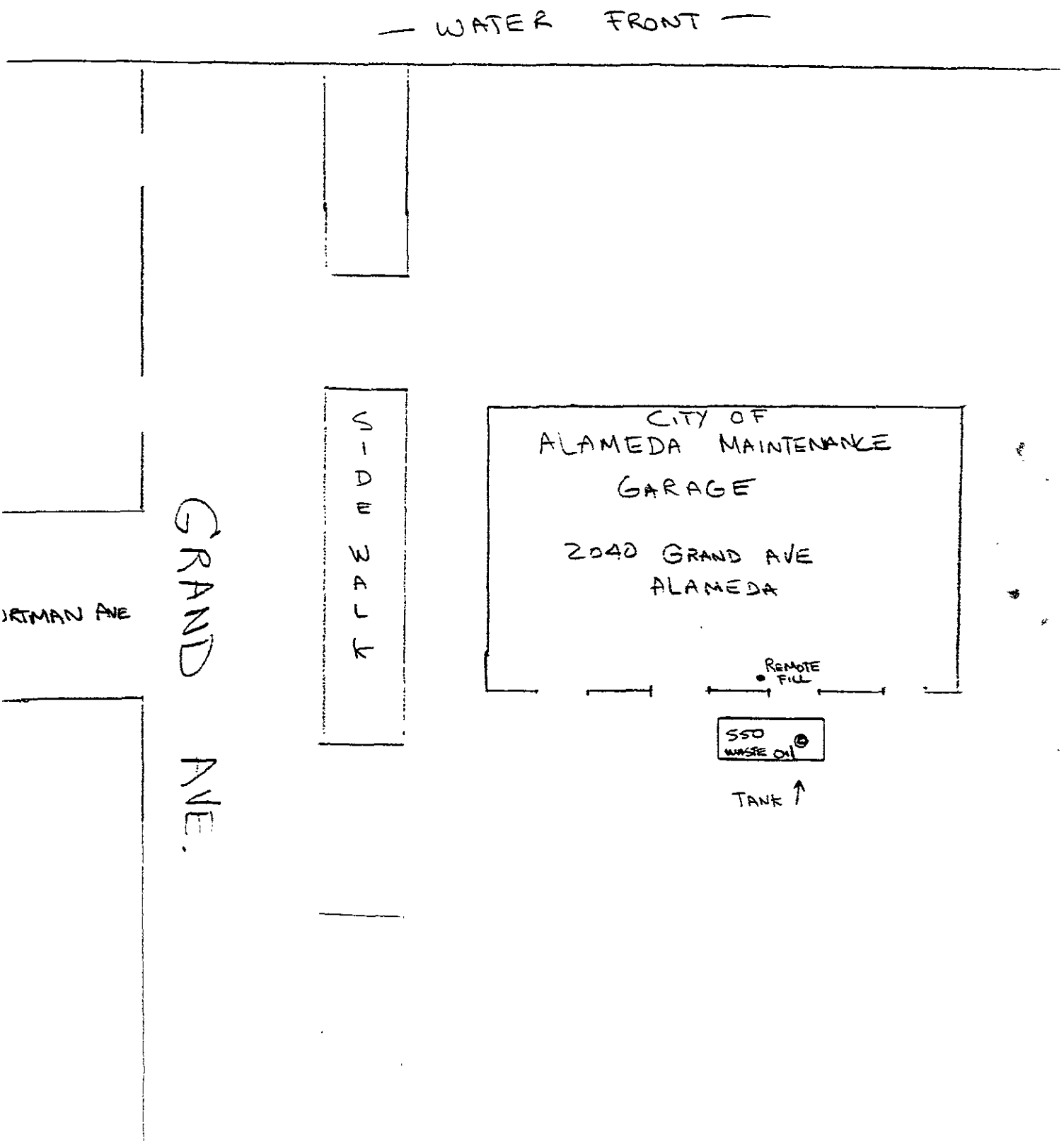
NOT TO SCALE



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P.O. Box 5555
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(510) 895-2333

Contractors License No. 184480

SAFETY PLAN

TANK REMOVAL AT:	City of Alameda - Maintenance Garage 2040 Grand Avenue Alameda, CA 94501
GENERAL CONTRACTOR:	Scott Co. of Alameda 1717 Doolittle Drive San Leandro, CA 94577
PROJECT MANAGER:	Paul Ferreira
PROJECT FOREMAN:	William McCarthy
ALTERNATES:	Patrick O'Mara

Mr. McCarthy will have in his possession two A:B:C: rated fire extinguishers and Type C protective clothing. Also, he will have a first aid kit and telephone numbers of the nearest medical facilities. Scott Co. personnel will have respirators on site should an emergency occur.

Upon arrival at the site, Scott Co. personnel will set up physical barriers around the trench. Fire extinguishers and the first aid kit will be set out in an appropriate, accessible spot.

The explosion meter that can detect the level of oxygen and hydrocarbon will be supplied by the contractor and operated by Mr. McCarthy. Thirty pounds of dry ice per 1,000 gallons of tank capacity will be applied to render the tank inert.

All Scott Co. Environmental personnel have received 40 hours of OSHA training, thus providing them with the knowledge and skills necessary to perform hazardous waste operation with minimal risk to their safety and health.

Scott Co. has a policy in which all State certified Environmental personnel are required to have annual physicals to certify them for use of respirators. These records are maintained in our office.

The site will be controlled to reduce the possibility of environmental incidents involving hazardous substances by:

- Setting up security and physical barriers to exclude un-necessary personnel from the general area.

- Minimizing the number of personnel and equipment on-site consistent with effective operations.

All tools used at the underground storage tank removal are cleaned on site by tapping and/or scraping excess dirt and/or petroleum product onto the spoils pile.

If any questions should arise in reference to this safety plan, please contact Paul Ferreira at (510) 895-2333, extension 385

g:/scottco/jobs/tank/safetyplan

CHEMICAL HAZARDS ~

Diesel/Gasoline/Waste Oil

- Materials that contain constituents such as Benzene, Tolune, and Xylene which are known or suspected carcinogens and have caused cancer in laboratory animals.
- Exposure to concentrations of materials should be avoided.
- Avoid contact with skin where personal protective equipment such as gloves and eye protection are not used.
- Prolonged exposure can cause dizziness, nausea, shortness of breath, headaches and/or all of the above.

TEMPERATURE HAZARDS ~

Heat Stress:

- When temperatures exceed 70 degrees F, take frequent breaks in a shaded area. Unzip or remove coveralls during breaks.
- Have cool water or electrolyte replenishment solution available. Drink small amounts frequently to avoid dehydration.
- Count the pulse rate for 30 seconds as early as possible in the rest period. If the pulse rate exceeds 110 beats per minute at the beginning of the rest period, shorten the work cycle by one-third.

Cold Stress:

Wear multi-layer cold weather outfits. The outer layer should be of wind resistant fabric.

In temperature 0 degrees F to 30 degrees F total work time is 4 hours. Alternate one hour in and one hour out of the low temperature area. Below 30 degrees F, consult an Industrial Hygienist.

Drink warm fluid. Provide shelter for resting Use the buddy system. Avoid heavy sweating.

ACOUSTICAL HAZARDS ~

- Use earplugs or earmuffs when noise level prevents conversation in a normal voice at a distance of three (3) feet.

O_2 DEFICIENCY - CONFINED SPACE HAZARDS ~

- Confined spaces include trenches, pits, sumps, elevator shafts, tunnels, or any other area where circulation of fresh air is restricted or the ability to readily escape from the area is restricted.

- Obtain permit for confined space entry.

- At least one person must be on standby outside of the confined space who is capable of pulling workers from a confined space in an emergency.

- Work involving the use of a flame, arc, spark, or other source of ignition is prohibited within a confined space.

- Consult DHSO and the Corporate Health and Safety Policy prior to entering a confined space.

SCOTT CO. OF CALIFORNIA
SAFETY AND HEALTH RISK ANALYSIS

Mechanical Hazards	X
Electrical Hazards	
Chemical Hazards	X
Temperature Hazards	X
Acoustical Hazards	X
Confined Space Hazards	X
Radiation Hazards	
Bio Hazards	

Should any of the above hazards exist, the following procedures to mitigate hazards will take effect.

MECHANICAL HAZARDS ~

- Do not stand near backhoe buckets and moving equipment.
- Verify that all equipment is in good condition.
- Do not stand or work under elevated loads or ladders.
- Don not stand near unguarded excavation and trenches.
- Do not enter excavation or trenches over 5 feet deep that are not properly guarded, shored or sloped.
- Consult DHSO if other mechanical hazards exist.

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

EMERGENCY ☐ YES ☒ NO

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

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFTY CODE.
SIGNED _____ DATE _____

REPORT DATE: 02/27/98 CASE #:

REPORTED BY
NAME OF INDIVIDUAL FILING REPORT: Paul Ferreira
PHONE: (510) 895-2333
SIGNATURE: Paul F
REPRESENTING ☒ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER
COMPANY OR AGENCY NAME: Scott Company
ADDRESS: 2040 Grand Ave STREET Alameda CITY Ca STATE 94501 ZIP

RESPONSIBLE PARTY
NAME: City of Alameda ☐ UNKNOWN
CONTACT PERSON: Pete Carrai
PHONE: (510) 748-4522
ADDRESS: 1616 Portman STREET Alameda CITY CA STATE 94501 ZIP

SITE LOCATION
FACILITY NAME (IF APPLICABLE): City of Alameda Maintenance
OPERATOR: City of Alameda
PHONE: (510) 748-4519
ADDRESS: 2040 STREET Grand Ave CITY Alameda COUNTY Alameda ZIP
CROSS STREET: Lincoln

IMPLEMENTING AGENCIES
LOCAL AGENCY: Alameda County Env. Health
AGENCY NAME:
CONTACT PERSON: Robert Weston
PHONE: (510) 567-6781
REGIONAL BOARD:
PHONE: ( )

SUBSTANCES INVOLVED
(1) NAME: Waste Oil
QUANTITY LOST (GALLONS): ☒ UNKNOWN
(2) NAME:
QUANTITY LOST (GALLONS): ☐ UNKNOWN

DISCOVERY/ABATEMENT
DATE DISCOVERED: 02/27/98
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 02/27/98
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☐ REMOVE CONTENTS ☐ REPLACE TANK ☐ CLOSE TANK ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURE ☒ OTHER Remove Tank

SOURCE/CAUSE
SOURCE OF DISCHARGE: ☐ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☒ OTHER Remote fill
CAUSE(S): ☒ OVERFILL/overspill ☐ 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 ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☒ LEAK BEING CONFIRMED ☐ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ 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
Overspill/overfill most likely occured since remote fill had no containment. Level of contaminants unconfirmed until analytical is reviewed on 3-9-98. At this time visual confirmation of w/o release around remote fill.

HSC 05 (11/89)

DAY OR NIGHT TELEPHONE (510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 27126

CUSTOMER SCOTT CO.

JOB NO. 971615

FOR: ERICKSON, INC. TANK NO. 21920

LOCATION: RICHMOND DATE: 98/03/05 TIME: 16:00

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT UO

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 500 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%
ERICKSON, INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.
ERICKSON, INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate

SAFE FOR FIRE Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Francisco Chavez — REPRESENTATIVE

TITLE

Dave Safo — INSPECTOR

CP599

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6. 971615

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAL000064322 | Manifest Document No.: | 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: City of Alameda / City Garage, 2040 Grand St Alameda CA 94501

A. State Manifest Document Number: [illegible]

B. State Generator's ID: [illegible]

4. Generator's Phone (510) 748-4519

5. Transporter 1 Company Name: Erickson

6. US EPA ID Number: CAD009466392

C. State Transporter's ID: [illegible]

D. Transporter's Phone: [illegible]

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Erickson, Inc. 255 Parr Blvd. Richmond, CA 94801

10. US EPA ID Number: [illegible]

G. State Facility's ID: CAD009466392

H. Facility's Phone: 510 235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON-RCRA Hazardous Waste Solid Waste Empty Storage Tank.	1	TP	500	P	State: EPA/Other:
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above: Qty. 1 Empty Storage Tank(s) #21920 ___, ___, ___, ___ Tank(s) have been inerted with 15 lbs Dry Ice Per 1000 Gallon Capacity.

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhat when working around U.S.S.T.'s 24 Hr. Contact Name. THOMAS WOODS Phone 748-4519

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
THOMAS WOODS	Thomas S Woods	02	1	98

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
PHILLIP E. LYLES	Phillip E Lyles	02	1	98

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space
1. NO MANIFEST DOCUMENT NUMBER.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name	Signature	Month	Day	Year
DAVID SATO	Dave Sato	02	1	98

DO NOT WRITE BELOW THIS LINE.

96839770 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR / TRANSPORTER / FACILITY

DTSC 8022A (1/95)
EPA 8700—22

North State Environmental

Remit To:
North State Environmental
P.O. Box 5624
So. San Francisco,CA94083-5624
(415)588-2838

Invoice

Invoice No.011797
Inv.Date 02/27/98
Po.No.

Accounts Payable
The Scott Company
1717 Doolittle Drive
San Leandro CA 94577

Original Remand

Samples Received: 02/19/98
Samples Reported:02/27/98
Project:PO#44728-57032-7003
Jobnumber: 98-175

Service	Item	Number	Unitprice	Lineprice
analysis	Gas/BTEXM	2.00	40.00	80.00
analysis	Diesel	2.00	40.00	80.00
analysis	5 Metals	2.00	65.00	130.00
analysis	TEPH	2.00	40.00	80.00
analysis	PCB	2.00	70.00	140.00
analysis	PNA	2.00	150.00	300.00
analysis	8010	2.00	50.00	100.00
analysis	Sampling	1.50	50.00	75.00
			TOTAL	985.00

Accounts due and payable 30 days from date of invoice. All past due amounts will bear interest at 1.5% per month.

98-175

North State Environmental Analytical Laboratory

Phone: (415) 588-9652 Fax: (415) 588-1950

Chain of Custody / Request for Analysis

Lab Job No.: _____ Page ___ of ___

Client: Scott Co	Report to: Paul Ferreira	Phone:	Turnaround Time: Normal
Mailing Address: 1717 Doolittle, San Leandro, CA 94577	Billing to:	Fax:	Date: 2/19/98
		PO# / Billing Reference: 44728-57032-70-7003	Sampler: J. Stetz

Project / Site Address: 2040 Grand St, Alameda

Analysis Requested

	Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	Gas/BTEX	Diesel	5 Metals (Cd, Cr, Pb, Ni, Zn)	TEPH	8080 - PCBs	8270 - PNAs only	EPA 8010			Comments/Hazards
1	WATER-1	water	4 ambers 1pt/3 VOAs	HCl	2/19/98 12:10	X	X	X	X	X					⊛ filter + Acidify
2	SP-A,B,C,D	Soil	4 brass	—	↓ 12:35	X	X	X	X	X					Composite

Relinquished by: [signature]	Date: 2/19/98 Time: 1:55 PM	Received by:	Lab Comments
Relinquished by:	Date: Time:	Received by:	
Relinquished by:	Date: Time:	Received by:	

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 98-175
Client: Scott Company
Project: PO#44728-57032-70-7003
2040 Grand St, Alameda
Date Reported: 03/02/98

Gasoline,BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons by Method 8015M
Total Extractable Petroleum Hydrocarbons by SM 5520 E&F
Total Cd, Cr,Ni, Pb, Zn by AA Spectroscopy
8010 Halogenated Hydrocarbons by GC/MS EPA 8260

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 98-175-01	Client ID: WATER-1			02/19/98	WATER
Gasoline	8015M	ND			02/20/98
Benzene	8020	ND			
Ethylbenzene	8020	ND			
Toluene	8020	ND			
Xylenes	8020	ND			
Cadmium	7130	ND			02/23/98
Chromium	7190	ND			
Lead	7420	ND			
Nickel	7520	0.07	mg/L		
Zinc	7950	0.08	mg/L		
MTBE	8020	*12	ug/L		02/20/98
TEPH	5520F	22	mg/L		02/20/98
Diesel	8015M	0.11	mg/L		02/20/98
Sample: 98-175-02	Client ID: SP-A,B,C,D			02/19/98	SOIL COMP.
Gasoline	8015M	ND			02/20/98
Benzene	8020	ND			
Ethylbenzene	8020	ND			
Toluene	8020	ND			
Xylenes	8020	ND			
Cadmium	7130	ND			02/23/98
Chromium	7190	39	mg/Kg		

*Confirmed by GC/MS Method 8260.

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North State Environmental
Chemical Waste Disposal · Trucking · Consulting

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 98-175
Client: Scott Company
Project: PO#44728-57032-70-7003
2040 Grand St, Alameda
Date Reported: 03/02/98

Gasoline,BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons by Method 8015M
Total Extractable Petroleum Hydrocarbons by SM 5520 E&F
Total Cd, Cr,Ni, Pb, Zn by AA Spectroscopy
8010 Halogenated Hydrocarbons by GC/MS EPA 8260

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 98-175-02	Client ID: SP-A,B,C,D			02/19/98	SOIL COMP.
Lead	7420	36	mg/Kg		
Nickel	7520	40	mg/Kg		
Zinc	7950	62	mg/Kg		
MTBE	8020	*ND			02/20/98
TEPH	5520F	51	mg/Kg		02/20/98
Diesel	8015M	ND			02/20/98

*Confirmed by GC/MS Method 8260.

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North State Environmental
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CERTIFICATE OF ANALYSIS

Quality Control/Quality Assurance

Lab Number: 98-175
Client: Scott Company
Project: PO#44728-57032-70-7003
2040 Grand St, Alameda
Date Reported:03/02/98

Analyte	Method	Reporting Limit	Unit	Blank	MS/MSD Recovery	RPD
Gasoline	8015M	50	ug/L	ND	102	2
Benzene	8020	0.5	ug/L	ND	93	5
Ethylbenzene	8020	0.5	ug/L	ND	95	9
Toluene	8020	0.5	ug/L	ND	97	8
Xylenes	8020	1.0	ug/L	ND	112	12
MTBE	8020	0.5	ug/L	ND	96	6
Gasoline	8015M	0.5	mg/Kg	ND	96	3
Benzene	8020	.005	mg/Kg	ND	95	2
Ethylbenzene	8020	.005	mg/Kg	ND	93	1
Toluene	8020	.005	mg/Kg	ND	97	2
Xylenes	8020	.010	mg/Kg	ND	108	1
MTBE	8020	.005	mg/Kg	ND	95	2
TEPH	5520F	50	mg/Kg	ND	77	10
TEPH	5520F	5	mg/L	ND	77	10
Diesel	8015M	1.0	mg/Kg	ND	89	2
Cadmium	7130	2.0	mg/Kg	ND	101/103	3
Chromium	7190	5.0	mg/Kg	ND	109/97	12
Lead	7420	2.0	mg/Kg	ND	105/108	3
Nickel	7520	5.0	mg/Kg	ND	86/84	2
Zinc	7950	1.0	mg/Kg	ND	126/114	10
Cadmium	7130	0.1	mg/L	ND	90/100	11
Chromium	7190	0.5	mg/L	ND	100/100	1
Lead	7420	0.1	mg/L	ND	98/101	4
Nickel	7520	0.1	mg/L	ND	97/97	1
Zinc	7950	0.1	mg/L	ND	102/99	3
Diesel	8015M	0.05	mg/L	ND	85	1

ELAP Certificate NO:1753
Reviewed and Approved

John A.Murphy,Laboratory Director

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North State Environmental
Chemical Waste Disposal · Trucking · Consulting

C E R T I F I C A T E O F A N A L Y S I S

Job Number: 98-175
Client : Scott Company
Project : PO#44728-57032-70-7003

Date Sampled : 02/19/98
Date Analyzed: 02/25/98
Date Reported: 03/02/98

Halogenated Volatile Organics by GC/MS Method 8260

Laboratory Number	98-175-01
Client ID	WATER-1
Matrix	WATER
Analyte	ug/L
Chloromethane	ND<5
Vinyl Chloride	ND<5
Bromomethane	ND<5
Chloroethane	ND<5
Trichlorofluoromethane	ND<1
1,1-Dichloroethene	ND<1
Methylene Chloride	3
t-1,2-Dichloroethene	ND<1
1,1-Dichloroethane	ND<1
c-1,2-Dichloroethene	ND<1
Chloroform	ND<1
1,1,1-Trichloroethane	ND<1
Carbon Tetrachloride	ND<1
1,2-Dichloroethane	ND<1
Trichloroethene	ND<1
Bromodichloromethane	ND<1
t-1,3-Dichloropropene	ND<1
c-1,3-Trichloropropene	ND<1
1,1,2-Trichloroethane	ND<1
Tetrachloroethene	ND<1
Dibromobenzene	ND<1
Chlorobenzene	ND<1
1,1,2,2-Tetrachloroethane	ND<1
1.3-Dichlorobenzene	ND<1
1,4-Dichlorobenzene	ND<1
1,2-Dichlorobenzene	ND<1
SUR-Dibromofluoromethane	159% Rec
SUR-Toluene d8	91 % Rec
SUR-4-Bromofluorobenzene	83 % Rec

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North State Environmental
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C E R T I F I C A T E O F A N A L Y S I S

Job Number: 98-175
Client : Scott Company
Project : PO#44728-57032-70-7003

Date Sampled : 02/19/98
Date Analyzed: 02/25/98
Date Reported: 03/02/98

Halogenated Volatile Organics by GC/MS Method 8260
Quality Control/Quality Assurance Summary

Laboratory Number	98-175	MS/MSD	RPD
Client ID	Blank	Recovery	
Matrix	WATER	WATER	
Analyte	Results ug/L	%Recoveries	
Chloromethane	ND<5		
Vinyl Chloride	ND<5		
Bromomethane	ND<5		
Chloroethane	ND<5		
Trichlorofluoromethane	ND<1		
1,1-Dichloroethene	ND<1	82	1
Methylene Chloride	ND<1		
t-1,2-Dichloroethene	ND<1		
1,1-Dichloroethane	ND<1		
c-1,2-Dichloroethene	ND<1		
Chloroform	ND<1		
1,1,1-Trichloroethane	ND<1		
Carbon Tetrachloride	ND<1		
1,2-Dichloroethane	ND<1		
Trichloroethene	ND<1	102	3
Bromodichloromethane	ND<1		
t-1,3-Dichloropropene	ND<1		
c-1,3-Trichloropropene	ND<1		
1,1,2-Trichloroethane	ND<1		
Tetrachloroethene	ND<1		
Dibromobenzene	ND<1		
Chlorobenzene	ND<1	121	4
1,1,2,2-Tetrachloroethane	ND<1		
1,3-Dichlorobenzene	ND<1		
1,4-Dichlorobenzene	ND<1		
1,2-Dichlorobenzene	ND<1		
SUR-Dibromofluoromethane	131% Rec	159/150	6
SUR-Toluene d8	99 % Rec	97/103	6
SUR-4-Bromofluorobenzene	95 % Rec	94/94	0

Reviewed and Approved

John A. Murphy
Laboratory Director

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North State Environmental
Chemical Waste Disposal · Trucking · Consulting

C E R T I F I C A T E O F A N A L Y S I S

Job Number: 98-175
Client : Scott Company
Project : PO#44728-57032-70-7003

Date Sampled : 02/19/98
Date Analyzed: 02/25/98
Date Reported: 03/02/98

Halogenated Volatile Organics by GC/MS Method 8260

Laboratory Number	98-175-02
Client ID	SP-A,B,C,D
Matrix	SOIL COMP.
Analyte	ug/Kg
Chloromethane	ND<25
Vinyl Chloride	ND<25
Bromomethane	ND<25
Chloroethane	ND<25
Trichlorofluoromethane	ND<5
1,1-Dichloroethene	ND<5
Methylene Chloride	ND<5
t-1,2-Dichloroethene	ND<5
1,1-Dichloroethane	ND<5
c-1,2-Dichloroethene	ND<5
Chloroform	ND<5
1,1,1-Trichloroethene	ND<5
Carbon Tetrachloride	ND<5
1,2-Dichloroethane	ND<5
Trichloroethene	ND<5
Bromodichloromethane	ND<5
t-1,3-Dichloropropene	ND<5
c-1,3-Trichloropropene	ND<5
1,1,2-Trichloroethane	ND<5
Tetrachloroethene	ND<5
Dibromobenzene	ND<5
Chlorobenzene	ND<5
1,1,2,2-Tetrachloroethane	ND<5
1.3-Dichlorobenzene	ND<5
1,4-Dichlorobenzene	ND<5
1,2-Dichlorobenzene	ND<5
SUR-Dibromofluoromethane	152% Rec
SUR- Toluene d8	83 % Rec
SUR- 4-Bromofluorobenze	81 % Rec

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North State Environmental
Chemical Waste Disposal · Trucking · Consulting

C E R T I F I C A T E O F A N A L Y S I S

Job Number: 98-175
Client : Scott Company
Project : PO#44728-57032-70-7003

Date Sampled : 02/19/98
Date Analyzed: 02/25/98
Date Reported: 03/02/98

Halogenated Volatile Organics by GC/MS Method 8260
Quality Control/Quality Assurance Summary

Laboratory Number	98-175	MS/MSD	RPD
Client ID	Blank	Recovery	
Matrix	SOIL COMP.	SOIL COMP.	
Analyte	Results ug/Kg	%Recoveries	
Chloromethane	ND<25		
Vinyl Chloride	ND<25		
Bromomethane	ND<25		
Chloroethane	ND<25		
Trichlorofluoromethane	ND<5		
1,1-Dichloroethene	ND<5	82	1
Methylene Chloride	ND<5		
t-1,2-Dichloroethene	ND<5		
1,1-Dichloroethane	ND<5		
c-1,2-Dichloroethene	ND<5		
Chloroform	ND<5		
1,1,1-Trichloroethene	ND<5		
Carbon Tetrachloride	ND<5		
1,2-Dichloroethane	ND<5		
Trichloroethene	ND<5	102	3
Bromodichloromethane	ND<5		
t-1,3-Dichloropropene	ND<5		
c-1,3-Trichloropropene	ND<5		
1,1,2-Trichloroethane	ND<5		
Tetrachloroethene	ND<5		
Dibromobenzene	ND<5		
Chlorobenzene	ND<5	121	4
1,1,2,2-Tetrachloroethane	ND<5		
1,3-Dichlorobenzene	ND<5		
1,4-Dichlorobenzene	ND<5		
1,2-Dichlorobenzene	ND<5		
SUR-Dibromofluoromethane	131% Rec	159/150	6
SUR- Toluene d8	99 % Rec	97/103	6
SUR- 4-Bromofluorobenze	95 % Rec	94/94	0

Reviewed and Approved

Edward C Murphy for

John A. Murphy
Laboratory Director

P O Box 5624 • South San Francisco California 94083 • 650-588-2838 FAX 588-1950

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

North State Environmental
P.O.Box 5624
South San Francisco, CA 94083

Date: 27-FEB-98
Lab Job Number: 132438
Project ID: N/A
Location: N/A

Reviewed by: _____

Reviewed by: _____

Polynuclear Aromatic Hydrocarbons by GC/MS

Client:	North State Environmental	Analysis Method:	EPA 8270B
		Prep Method:	EPA 3520
Field ID:	WATER-1	Sampled:	02/19/98
Lab ID:	132438-001	Received:	02/20/98
Matrix:	Water	Extracted:	02/23/98
Batch#:	39229	Analyzed:	02/24/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Naphthalene	ND	9.5
Acenaphthylene	ND	9.5
Acenaphthene	ND	9.5
Fluorene	ND	9.5
Phenanthrene	ND	9.5
Anthracene	ND	9.5
Fluoranthene	ND	9.5
Pyrene	ND	9.5
Benzo(a)anthracene	ND	9.5
Chrysene	ND	9.5
Benzo(b,k)fluoranthene	ND	9.5
Benzo(a)pyrene	ND	9.5
Indeno(1,2,3-cd)pyrene	ND	9.5
Dibenz(a,h)anthracene	ND	9.5
Benzo(g,h,i)perylene	ND	9.5

Surrogate	%Recovery	Recovery Limits
Nitrobenzene-d5	76	35-114
2-Fluorobiphenyl	32*	43-116
Terphenyl-d14	9*	33-141

* Values outside of QC limits

Polynuclear Aromatic Hydrocarbons by GC/MS

Client: North State Environmental
Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 39229
Units: ug/L
Diln Fac: 1
Prep Date: 02/23/98
Analysis Date: 02/24/98

MB Lab ID: QC64715

Analyte	Result	Reporting Limit
Naphthalene	ND	10
Acenaphthylene	ND	10
Acenaphthene	ND	10
Fluorene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Benzo(a)anthracene	ND	10
Chrysene	ND	10
Benzo(b,k)fluoranthene	ND	10
Benzo(a)pyrene	ND	10
Indeno(1,2,3-cd)pyrene	ND	10
Dibenz(a,h)anthracene	ND	10
Benzo(g,h,i)perylene	ND	10

Surrogate	%Rec	Recovery Limits
Nitrobenzene-d5	85	35-114
2-Fluorobiphenyl	86	43-116
Terphenyl-d14	91	33-141

Curtis & Tompkins, Ltd.

Polynuclear Aromatic Hydrocarbons by GC/M

Client: North State Environmental

Analysis Method: EPA 8270B
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 39229
Units: ug/L
Diln Fac: 1

Prep Date: 02/23/98
Analysis Date: 02/24/98

BS Lab ID: QC64716

Analyte	Spike Added	BS	%Rec #	Limits
Acenaphthene	50	41.64	83	50-110
Pyrene	50	43.34	87	43-110

Surrogate	%Rec	Limits
Nitrobenzene-d5	77	35-114
2-Fluorobiphenyl	82	43-116
Terphenyl-d14	93	33-141

BSD Lab ID: QC64717

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
Acenaphthene	50	43.4	87	50-110	4	18
Pyrene	50	43.34	87	43-110	0	19

Surrogate	%Rec	Limits
Nitrobenzene-d5	82	35-114
2-Fluorobiphenyl	85	43-116
Terphenyl-d14	93	33-141

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

PCBs

Client:	North State Environmental	Analysis Method:	PCB
		Prep Method:	EPA 3520
		Cleanup Method:	EPA acid
Field ID:	WATER-1	Sampled:	02/19/98
Lab ID:	132438-001	Received:	02/20/98
Matrix:	Water	Extracted:	02/24/98
Batch#:	39260	Analyzed:	02/26/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.48
Aroclor-1221	ND	0.95
Aroclor-1232	ND	0.48
Aroclor-1242	ND	0.48
Aroclor-1248	ND	0.48
Aroclor-1254	ND	0.48
Aroclor-1260	ND	0.48

Surrogate	%Recovery	Recovery Limits
TCMX	29	19-130
Decachlorobiphenyl	18*	22-110

* Values outside of QC limits

PCBs

Client:	North State Environmental	Analysis Method:	PCB
		Prep Method:	EPA 3550
		Cleanup Method:	EPA acid
Field ID:	SP-A,B,C,D	Sampled:	02/19/98
Lab ID:	132438-002	Received:	02/20/98
Matrix:	Soil	Extracted:	02/24/98
Batch#:	39255	Analyzed:	02/25/98
Units:	ug/Kg		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%Recovery	Recovery Limits
TCMX	39	20-143
Decachlorobiphenyl	88	43-126

Polychlorinated Biphenyls

Client: North State Environmental

Analysis Method: PCB
Prep Method: EPA 3550
Cleanup Method: EPA acid

METHOD BLANK

Matrix: Soil
Batch#: 39255
Units: ug/Kg
Diln Fac: 1

Prep Date: 02/24/98
Analysis Date: 02/25/98

MB Lab ID: QC64811

Analyte	Result	Reporting Limit
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%Rec	Recovery Limits
TCMX	38	20-143
Decachlorobiphenyl	90	43-126

Polychlorinated Biphenyls

Client: North State Environmental

Analysis Method: PCB
Prep Method: EPA 3520
Cleanup Method: EPA acid

METHOD BLANK

Matrix: Water
Batch#: 39260
Units: ug/L
Diln Fac: 1

Prep Date: 02/24/98
Analysis Date: 02/25/98

MB Lab ID: QC64829

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.5
Aroclor-1221	ND	1.0
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

Surrogate	%Rec	Recovery Limits
TCMX	31	19-130
Decachlorobiphenyl	43	22-110

Lab #: 132438

BATCH QC REPORT

Curtis & Tompkins Ltd.

Polychlorinated Biphenyls

Client:	North State Environmental	Analysis Method:	PCB
		Prep Method:	EPA 3550
		Cleanup Method:	EPA acid

LABORATORY CONTROL SAMPLE

Matrix:	Soil	Prep Date:	02/24/98
Batch#:	39255	Analysis Date:	02/25/98
Units:	ug/Kg		
Diln Fac:	1		

LCS Lab ID: QC64812

Analyte	Result	Spike Added	%Rec #	Limits
Aroclor-1260	140.3	166.7	84	61-127

Surrogate	%Rec	Limits
TCMX	39	20-143
Decachlorobiphenyl	91	43-126

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 1 outside limits

Lab #: 132438

BATCH QC REPORT

Curtis & Tompkins Ltd.

Polychlorinated Biphenyls

Client: North State Environmental

Analysis Method: PCB
Prep Method: EPA 3550
Cleanup Method: EPA acid

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID: SP-A,B,C,D
Lab ID: 132438-002
Matrix: Soil
Batch#: 39255
Units: ug/Kg
Diln Fac: 1

Sample Date: 02/19/98
Received Date: 02/20/98
Prep Date: 02/24/98
Analysis Date: 02/25/98

MS Lab ID: QC64813

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Aroclor-1260	166.7	<12	134.2	81	18-172

Surrogate	%Rec	Limits
TCMX	39	20-143
Decachlorobiphenyl	89	43-126

MSD Lab ID: QC64814

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Aroclor-1260	166.7	146.7	88	18-172	9	30

Surrogate	%Rec	Limits
TCMX	42	20-143
Decachlorobiphenyl	93	43-126

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

Polychlorinated Biphenyls

Client: North State Environmental

Analysis Method: PCB
Prep Method: EPA 3520
Cleanup Method: EPA acid

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 39260
Units: ug/L
Diln Fac: 1

Prep Date: 02/24/98
Analysis Date: 02/25/98

BS Lab ID: QC64830

Analyte	Spike Added	BS	%Rec	#	Limits
Aroclor-1260	5	4	80		61-119

Surrogate	%Rec	Limits
TCMX	32	19-130
Decachlorobiphenyl	66	22-110

BSD Lab ID: QC64831

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Aroclor-1260	5	4.1	82		61-119	3		15

Surrogate	%Rec	Limits
TCMX	31	19-130
Decachlorobiphenyl	76	22-110

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

Polynuclear Aromatic Hydrocarbons by GC/MS

Client:	North State Environmental	Analysis Method:	EPA 8270B
		Prep Method:	EPA 3550
Field ID:	SP-A,B,C,D	Sampled:	02/19/98
Lab ID:	132438-002	Received:	02/20/98
Matrix:	Soil	Extracted:	02/23/98
Batch#:	39214	Analyzed:	02/25/98
Units:	ug/Kg		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Naphthalene	ND	50
Acenaphthylene	ND	50
Acenaphthene	ND	50
Fluorene	ND	50
Phenanthrene	58	50
Anthracene	ND	50
Fluoranthene	120	50
Pyrene	110	50
Benzo(a)anthracene	68	50
Chrysene	76	50
Benzo(b,k)fluoranthene	120	50
Benzo(a)pyrene	64	50
Indeno(1,2,3-cd)pyrene	ND	50
Dibenz(a,h)anthracene	ND	50
Benzo(g,h,i)perylene	ND	50

Surrogate	%Recovery	Recovery Limits
Nitrobenzene-d5	91	32-117
2-Fluorobiphenyl	95	38-121
Terphenyl-d14	97	29-143

Polynuclear Aromatic Hydrocarbons by GC/MS

Client: North State Environmental
Analysis Method: EPA 8270B
Prep Method: EPA 3550

METHOD BLANK

Matrix: Soil
Batch#: 39214
Units: ug/Kg
Diln Fac: 1
Prep Date: 02/23/98
Analysis Date: 02/24/98

MB Lab ID: QC64661

Analyte	Result	Reporting Limit
Naphthalene	ND	50
Acenaphthylene	ND	50
Acenaphthene	ND	50
Fluorene	ND	50
Phenanthrene	ND	50
Anthracene	ND	50
Fluoranthene	ND	50
Pyrene	ND	50
Benzo(a)anthracene	ND	50
Chrysene	ND	50
Benzo(b,k)fluoranthene	ND	50
Benzo(a)pyrene	ND	50
Indeno(1,2,3-cd)pyrene	ND	50
Dibenz(a,h)anthracene	ND	50
Benzo(g,h,i)perylene	ND	50

Surrogate	%Rec	Recovery Limits
Nitrobenzene-d5	93	32-117
2-Fluorobiphenyl	98	38-121
Terphenyl-d14	100	29-143

Curtis & Tompkins, Ltd.

Polynuclear Aromatic Hydrocarbons by GC/MS

Client: North State Environmental

Analysis Method: EPA 8270B
Prep Method: EPA 3550

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID: ZZZZZZ
Lab ID: 132364-010
Matrix: Soil
Batch#: 39214
Units: ug/Kg dry weight
Diln Fac: 1

Sample Date: 02/12/98
Received Date: 02/13/98
Prep Date: 02/23/98
Analysis Date: 02/24/98
Moisture: 10%

MS Lab ID: QC64663

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Acenaphthene	1852	<55.56	1569	85	34-128
Pyrene	1852	<55.56	1349	73	21-152

Surrogate	%Rec	Limits
Nitrobenzene-d5	90	32-117
2-Fluorobiphenyl	86	38-121
Terphenyl-d14	82	29-143

MSD Lab ID: QC64664

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Acenaphthene	1852	1551	84	34-128	1	43
Pyrene	1852	1391	75	21-152	3	50

Surrogate	%Rec	Limits
Nitrobenzene-d5	91	32-117
2-Fluorobiphenyl	86	38-121
Terphenyl-d14	84	29-143

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

Lab #: 132438 BATCH QC REPORT Curtis & Tompkins, Ltd. Page 1 of 1

Polynuclear Aromatic Hydorcarbons by GC/MS

Client: North State Environmental
Analysis Method: EPA 8270B
Prep Method: EPA 3550

LABORATORY CONTROL SAMPLE

Matrix: Soil
Batch#: 39214
Units: ug/Kg
Diln Fac: 1
Prep Date: 02/23/98
Analysis Date: 02/24/98

LCS Lab ID: QC64662

Analyte	Result	Spike Added	%Rec #	Limits
Acenaphthene	1532	1667	92	26-127
Pyrene	1795	1667	108	23-125

Surrogate	%Rec	Limits
Nitrobenzene-d5	90	32-117
2-Fluorobiphenyl	93	38-121
Terphenyl-d14	115	29-143

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 2 outside limits

132413E

North State Environmental Analytical Laboratory

Phone: (415) 588-9652 Fax: (415) 588-1950

Chain of Custody / Request for Analysis

Lab Job No.: _____ Page ___ of ___

Client. NSE	Report to: John Stetz	Phone 650-246-4583	Turnaround Time 5 days
Mailing Address P.O. Box 5621 SSF, CA 94083	Billing to:	Fax: 650-388-1950	
		PO# / Billing Reference: 98-175	Date:
			Sampler:

Project / Site Address

Analysis Requested

Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	8270 - * PNAs Only	8080 - PCBs						Comments / Hazards
Water - 1	water	2 liter	—	2/19/98	X	X						
SP-A, B, C, D	soil	1 qt	—	"	X	X						

Relinquished by: [signature]	Date: 2/20/98	Time: 3:05	Received by: [signature]
Relinquished by.	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Lab Comments

North State Environmental

Remit To:
North State Environmental
P.O. Box 5624
So. San Francisco,CA94083-5624
(415)588-2838

Invoice

Invoice No.011871
Inv.Date 02/28/98
Po.No.

Accounts Payable
The Scott Company
1717 Doolittle Drive
San Leandro CA 94577

Samples Received: 02/27/98
Samples Reported:02/28/98
Project:PO# 44728-57032-70-7003
Jobnumber: 98-218

Over EXCav around fill &

Service	Item	Number	Unitprice	Lineprice
analysis	Gas/BTEXM	1.00	40.00	40.00
analysis	Diesel	1.00	40.00	40.00
analysis	5 Metals	1.00	65.00	65.00
analysis	TEPH	1.00	40.00	40.00
analysis	PCBs	1.00	70.00	70.00
analysis	PNAs	1.00	150.00	150.00
analysis	EPA 8010	1.00	50.00	50.00
analysis	Sampling	1.50	50.00	75.00
			TOTAL	530.00

Accounts due and payable 30 days from date of invoice. All past due amounts will bear interest at 1.5% per month.

98-218

North State Environmental Analytical Laboratory

Phone: (415) 588-9652 Fax: (415) 588-1950

Chain of Custody / Request for Analysis

Lab Job No.: _____ Page ___ of ___

Client: Scott Co.	Report to: Paul Ferreira	Phone: 510-895-2333	Turnaround Time: Normal
Mailing Address: 1717 Doolittle, San Leandro, CA 94577	Billing to:	Fax: 510-895-8426	Date: 2/27/98
		PO# / Billing Reference: 44728-57032-70-7003	Sampler: J. Stetz

Project / Site Address: 2040 Grand St. Alameda

Analysis Requested

Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	Gas/BTEX/MTBE	Diesel	5 metals: Cd, Cr, Pb, Ni, Zn	TPH	8080 PCBs	8270 - PAH only	EPA 8010			Comments/Hazards
PIPE-1 @ 20"	Soil	3 jr	—	2/27/98 2:15PM	X		X	X	X	X	X			

Relinquished by:	Date: 2/27/98	Time: 4:50 PM	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by	Date:	Time:	Received by:

Lab Comments

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 98-218
Client: Scott Company
Project: PO# 44728-57032-70-7003
2040 Grand St, Alameda
Date Reported: 03/09/98

Gasoline,BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons by Method 8015 M
Total Cd, Cr, Ni, Pb and Zn by AA Spectroscopy
Total Extractable Petroleum Hydrocarbons by SM 5520 E & F
8010 Halogenated Hydrocarbons by GC/MS EPA 8260

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 98-218-01	Client ID: PIPE-1 @ 20"			02/27/98	SOIL
Cadmium	7130	ND			03/05/98
Chromium	7190	37	mg/Kg		
Lead	7420	1900	mg/Kg		
Nickel	7520	31	mg/Kg		
Zinc	7950	210	mg/Kg		
Gasoline	8015M	37	mg/Kg		03/03/98
Benzene	8020	0.3	mg/Kg		
Ethylbenzene	8020	1	mg/Kg		
MTBE	8020	*ND			
Toluene	8020	3	mg/Kg		
Xylenes	8020	9	mg/Kg		
TEPH	5520F	74000	mg/Kg		
Diesel	8015M	1300	mg/Kg		03/04/98

*Confirmed by GC/MS method 8260.

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North State Environmental
Chemical Waste Disposal · Trucking · Consulting

CERTIFICATE OF ANALYSIS

Quality Control/Quality Assurance

Lab Number: 98-218
Client: Scott Company
Project: PO# 44728-57032-70-7003
2040 Grand St, Alameda
Date Reported: 03/09/98

Gasoline,BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons by Method 8015 M
Total Cd, Cr, Ni, Pb and Zn by AA Spectroscopy
Total Extractable Petroleum Hydrocarbons by SM 5520 E & F
8010 Halogenated Hydrocarbons by GC/MS EPA 8260

Analyte	Method	Reporting Limit	Unit	Blank	MS/MSD Recovery	RPD
Gasoline	8015M	0.5	mg/Kg	ND	92	3
Benzene	8020	.005	mg/Kg	ND	95	5
Ethylbenzene	8020	.005	mg/Kg	ND	106	4
Toluene	8020	.005	mg/Kg	ND	102	4
Xylenes	8020	.010	mg/Kg	ND	104	2
MTBE	8020	.005	mg/Kg	ND	103	2
Diesel	8015M	1.0	mg/Kg	ND	98	3
Cadmium	7130	2.0	mg/Kg	ND	106/104	2
Chromium	7190	5.0	mg/Kg	ND	114/112	1
Lead	7420	2.0	mg/Kg	ND	109/111	1
Nickel	7520	5.0	mg/Kg	ND	130/124	5
Zinc	7950	1.0	mg/Kg	ND	102/91	11
TEPH	5520F	50	mg/Kg	ND	72/70	2

ELAP Certificate NO:1753
Reviewed and Approved

John A.Murphy,Laboratory Director

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North State Environmental
Chemical Waste Disposal · Trucking · Consulting

C E R T I F I C A T E O F A N A L Y S I S

Job Number: 98-218
Client : Scott Company
Project : PO# 44728-57032-70-7003

Date Sampled : 02/27/98
Date Analyzed: 03/04/98
Date Reported: 03/06/98

Halogenated Volatile Organics by GC/MS Method 8260

Laboratory Number	98-218-01
Client ID	PIPE-1 @ 20"
Matrix	SOIL
Analyte	ug/Kg
Chloromethane	ND<25
Vinyl Chloride	ND<25
Bromomethane	ND<25
Chloroethane	ND<25
Trichlorofluoromethane	ND<5
1,1-Dichloroethene	ND<5
Methylene Chloride	ND<5
t-1,2-Dichloroethene	ND<5
1,1-Dichloroethane	13
c-1,2-Dichloroethene	ND<5
Chloroform	ND<5
1,1,1-Trichloroethane	120
Carbon Tetrachloride	19
1,2-Dichloroethane	ND<5
Trichloroethene	430
Bromodichloromethane	ND<5
t-1,3-Dichloropropene	ND<5
c-1,3-Trichloropropene	ND<5
1,1,2-Trichloroethane	ND<5
Tetrachloroethene	260
Dibromobenzene	ND<5
Chlorobenzene	ND<5
1,1,2,2-Tetrachloroethane	ND<5
1,3-Dichlorobenzene	ND<5
1,4-Dichlorobenzene	ND<5
1,2-Dichlorobenzene	ND<5
SUR-Dibromofluoromethane	159% Rec
SUR- Toluene d8	75 % Rec
SUR- 4-Bromofluorobenze	103% Rec

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North State Environmental
Chemical Waste Disposal · Trucking · Consulting

C E R T I F I C A T E O F A N A L Y S I S

Job Number: 98-218
Client : Scott Company
Project : PO# 44728-57032-70-7003

Date Sampled : 02/27/98
Date Analyzed: 03/04/98
Date Reported: 03/06/98

Halogenated Volatile Organics by GC/MS Method 8260
Quality Control/Quality Assurance Summary

Laboratory Number	98-218	MS/MSD	RPD
Client ID	Blank	Recovery	
Matrix	SOIL	SOIL	
Analyte	Results ug/Kg	%Recoveries	
Chloromethane	ND<25		
Vinyl Chloride	ND<25		
Bromomethane	ND<25		
Chloroethane	ND<25		
Trichlorofluoromethane	ND<5		
1,1-Dichloroethene	ND<5	129	24
Methylene Chloride	ND<5		
t-1,2-Dichloroethene	ND<5		
1,1-Dichloroethane	ND<5		
c-1,2-Dichloroethene	ND<5		
Chloroform	ND<5		
1,1,1-Trichloroethene	ND<5		
Carbon Tetrachloride	ND<5		
1,2-Dichloroethane	ND<5		
Trichloroethene	ND<5	84	1
Bromodichloromethane	ND<5		
t-1,3-Dichloropropene	ND<5		
c-1,3-Trichloropropene	ND<5		
1,1,2-Trichloroethane	ND<5		
Tetrachloroethene	ND<5		
Dibromobenzene	ND<5		
Chlorobenzene	ND<5	116	1
1,1,2,2-Tetrachloroethane	ND<5		
1,3-Dichlorobenzene	ND<5		
1,4-Dichlorobenzene	ND<5		
1,2-Dichlorobenzene	ND<5		
Trichlorotrifluoroethane	ND<5		
SUR-Dibromofluoromethane	121% Rec	129/118	9
SUR- Toluene d8	84 % Rec	89/92	3
SUR- 4-Bromofluorobenze	79 % Rec	79/81	3

Reviewed and Approved

John A. Murphy
Laboratory Director

P O Box 5624 • South San Francisco California 94083 • 650-588-2838 FAX 588-1950

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

North State Environmental
P.O.Box 5624
South San Francisco, CA 94083

Date: 06-MAR-98
Lab Job Number: 132514
Project ID: N/A
Location: N/A

Reviewed by: _____

Reviewed by: _____

PCBs

Client:	North State Environmental	Analysis Method:	PCB
		Prep Method:	EPA 3550
		Cleanup Method:	EPA acid
Field ID:	PIPE-1 @ 20"	Sampled:	02/27/98
Lab ID:	132514-001	Received:	03/02/98
Matrix:	Soil	Extracted:	03/03/98
Batch#:	39360	Analyzed:	03/05/98
Units:	ug/Kg		
Diln Fac:	5		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	60
Aroclor-1221	ND	120
Aroclor-1232	ND	60
Aroclor-1242	ND	60
Aroclor-1248	ND	60
Aroclor-1254	ND	60
Aroclor-1260	ND	60

Surrogate	%Recovery	Recovery Limits
TCMX	79	20-143
Decachlorobiphenyl	106	43-126

Polychlorinated Biphenyls

Client:	North State Environmental	Analysis Method:	PCB
		Prep Method:	EPA 3550
		Cleanup Method:	EPA acid

METHOD BLANK

Matrix:	Soil	Prep Date:	03/03/98
Batch#:	39360	Analysis Date:	03/05/98
Units:	ug/Kg		
Diln Fac:	1		

MB Lab ID: QC65200

Analyte	Result	Reporting Limit
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%Rec	Recovery Limits
TCMX	86	20-143
Decachlorobiphenyl	88	43-126

Polychlorinated Biphenyls

Client: North State Environmental

Analysis Method: PCB
Prep Method: EPA 3550
Cleanup Method: EPA acid

LABORATORY CONTROL SAMPLE

Matrix: Soil
Batch#: 39360
Units: ug/Kg
Diln Fac: 1

Prep Date: 03/03/98
Analysis Date: 03/05/98

LCS Lab ID: QC65201

Analyte	Result	Spike Added	%Rec #	Limits
Aroclor-1260	128.9	166.7	77	61-127

Surrogate	%Rec	Limits
TCMX	87	20-143
Decachlorobiphenyl	88	43-126

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 1 outside limits

Polynuclear Aromatic Hydrocarbons by GC/MS

Client:	North State Environmental	Analysis Method:	EPA 8270B
		Prep Method:	EPA 3550
Field ID:	PIPE-1 @ 20"	Sampled:	02/27/98
Lab ID:	132514-001	Received:	03/02/98
Matrix:	Soil	Extracted:	03/04/98
Batch#:	39380	Analyzed:	03/05/98
Units:	ug/Kg		
Diln Fac:	20		

Analyte	Result	Reporting Limit
Naphthalene	ND	5000
Acenaphthylene	ND	5000
Acenaphthene	ND	5000
Fluorene	ND	5000
Phenanthrene	ND	5000
Anthracene	ND	5000
Fluoranthene	ND	5000
Pyrene	ND	5000
Benzo(a)anthracene	ND	5000
Chrysene	ND	5000
Benzo(b,k)fluoranthene	ND	5000
Benzo(a)pyrene	ND	5000
Indeno(1,2,3-cd)pyrene	ND	5000
Dibenz(a,h)anthracene	ND	5000
Benzo(g,h,i)perylene	ND	5000

Surrogate	%Recovery	Recovery Limits
Nitrobenzene-d5	DO*	32-117
2-Fluorobiphenyl	DO*	38-121
Terphenyl-d14	DO*	29-143

* Values outside of QC limits
DO: Surrogate diluted out

Polynuclear Aromatic Hydrocarbons by GC/MS

Client: North State Environmental
Analysis Method: EPA 8270B
Prep Method: EPA 3550

METHOD BLANK

Matrix: Soil
Batch#: 39380
Units: ug/Kg
Diln Fac: 1
Prep Date: 03/04/98
Analysis Date: 03/04/98

MB Lab ID: QC65262

Analyte	Result	Reporting Limit
Naphthalene	ND	50
Acenaphthylene	ND	50
Acenaphthene	ND	50
Fluorene	ND	50
Phenanthrene	ND	50
Anthracene	ND	50
Fluoranthene	ND	50
Pyrene	ND	50
Benzo(a)anthracene	ND	50
Chrysene	ND	50
Benzo(b,k)fluoranthene	ND	50
Benzo(a)pyrene	ND	50
Indeno(1,2,3-cd)pyrene	ND	50
Dibenz(a,h)anthracene	ND	50
Benzo(g,h,i)perylene	ND	50

Surrogate	%Rec	Recovery Limits
Nitrobenzene-d5	99	32-117
2-Fluorobiphenyl	92	38-121
Terphenyl-d14	93	29-143

Polynuclear Aromatic Hydrocarbons by GC/MS

Client: North State Environmental

Analysis Method: EPA 8270B
Prep Method: EPA 3550

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID: ZZZZZZ
Lab ID: 132515-002
Matrix: Soil
Batch#: 39380
Units: ug/Kg
Diln Fac: 10

Sample Date: 02/23/98
Received Date: 03/02/98
Prep Date: 03/04/98
Analysis Date: 03/05/98

MS Lab ID: QC65264

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Acenaphthene	1667	<500	1736	104	34-128
Pyrene	1667	815.6	2684	112	21-152

Surrogate	%Rec	Limits
Nitrobenzene-d5	95	32-117
2-Fluorobiphenyl	99	38-121
Terphenyl-d14	120	29-143

MSD Lab ID: QC65265

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Acenaphthene	1667	1834	110	34-128	5	43
Pyrene	1667	2643	110	21-152	2	50

Surrogate	%Rec	Limits
Nitrobenzene-d5	114	32-117
2-Fluorobiphenyl	119	38-121
Terphenyl-d14	128	29-143

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

Polynuclear Aromatic Hydorcarbons by GC/MS

Client:	North State Environmental	Analysis Method:	EPA 8270B
		Prep Method:	EPA 3550

LABORATORY CONTROL SAMPLE

Matrix:	Soil	Prep Date:	03/04/98
Batch#:	39380	Analysis Date:	03/04/98
Units:	ug/Kg		
Diln Fac:	1		

LCS Lab ID: QC65263

Analyte	Result	Spike Added	%Rec #	Limits
Acenaphthene	1552	1667	93	26-127
Pyrene	1357	1667	81	23-125

Surrogate	%Rec	Limits
Nitrobenzene-d5	102	32-117
2-Fluorobiphenyl	94	38-121
Terphenyl-d14	90	29-143

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 2 outside limits

132514

C+T

North State Environmental Analytical Laboratory

Phone: (415) 588-9652 Fax: (415) 588-1950

Chain of Custody / Request for Analysis

Lab Job No.: _____ Page ___ of ___

Client: NSE	Report to: John Stetz	Phone: 650-266-4583	Turnaround Time: 5 days
Mailing Address:	Billing to:	Fax: 650-588-1950	
		PO# / Billing Reference: 98-218	Date:
			Sampler:

Project / Site Address

Analysis Requested

Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	EPA 8080 PCBs	EPA 8270 PNAs Only						Comments/Hazards
PIPE-1 @ 20"	Soil	1 gl	—	2/27/98	X	X						

Relinquished by: [signature]	Date: 3/2/98	Time: 1:40 pm	Received by: [signature]	Lab Comments
Relinquished by.	Date:	Time:	Received by:	
Relinquished by.	Date:	Time:	Received by:	

SCOTT CO.
MECHANICAL CONTRACTORS
1717 Doolittle Drive
P.O. Box 5555
San Leandro, California 94577-0555
(510) 895-2333

Contractors License No. 184460

FAX COVER SHEET

FAXED

DATE: 3/10/98

TO: Robert Weston

COMPANY: ACEH

FAX NO.: 337-9335

FROM: PAUL FERRETRA EXT #: 385

REFERENCE: City of Alameda
Remote fill analysis from 2-27-98

NUMBER OF PAGES (including this sheet) 8

COMMENTS:

PLEASE FEEL FREE TO CALL IF YOU HAVE ANY FURTHER QUESTIONS.

THANK YOU. PAUL

SCOTT CO./SERVICE CONTRACTING DEPT. FAX: 510 895-8426
PH: 895-2333

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

CERTIFICATE OF ANALYSIS

Lab Number: 98-307
Client: Scott Company
Project: 2040 Grand St, Alameda, CA

Date Reported: 03/30/98

Gasoline, BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons by Method 8015 M
Total Extractable Petroleum Hydrocarbons by SM 5520 E & F
Total Cd, Cr, Ni, Pb and Zn by AA Spectroscopy

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 98-307-01	Client ID: STOCKPILE-1			03/19/98	SOIL
Cadmium	7130	ND			03/27/98
Chromium	7190	18	mg/Kg		
Lead	7420	230	mg/Kg		
Nickel	7520	16	mg/Kg		
Zinc	7950	170	mg/Kg		
Gasoline	8015M	10	mg/Kg		03/30/98
Benzene	8020	ND			
Ethylbenzene	8020	0.02	mg/Kg		
MTBE	8020	* 0.1	mg/Kg		
Toluene	8020	ND			
Xylenes	8020	0.11	mg/Kg		
TEPH	5520F	8900	mg/Kg		03/26/98
Diesel	8015M	49	mg/Kg		03/30/98
Sample: 98-307-02	Client ID: SPILL CONT. PIT			03/19/98	SOIL
Cadmium	7130	ND			03/27/98
Chromium	7190	16	mg/Kg		
Lead	7420	104	mg/Kg		
Nickel	7520	ND			
Zinc	7950	525	mg/Kg		
Gasoline	8015M	170	mg/Kg		03/30/98
Benzene	8020	ND			

* Confirmed by GC/MS Method 8260.

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Final over Ex.

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 98-307
Client: Scott Company
Project: 2040 Grand St, Alameda, CA

Date Reported: 03/30/98

Gasoline,BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons by Method 8015 M
Total Extractable Petroleum Hydrocarbons by SM 5520 E & F
Total Cd, Cr, Ni, Pb and Zn by AA Spectroscopy

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 98-307-02	Client ID: SPILL CONT. PIT			03/19/98	SOIL
Ethylbenzene	8020	0.2	mg/Kg		
MTBE	8020	* ND			
Toluene	8020	ND			
Xylenes	8020	1	mg/Kg		
TEPH	5520F	3000	mg/Kg		03/26/98
Diesel	8015M	64	mg/Kg		03/30/98

* Confirmed by GC/MS Method 8260.

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North State Environmental
Chemical Waste Disposal · Trucking · Consulting

CERTIFICATE OF ANALYSIS

Quality Control/Quality Assurance

Lab Number: 98-307
Client: Scott Company
Project: 2040 Grand St, Alameda, CA

Date Reported: 03/30/98

Gasoline,BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons by Method 8015 M
Total Extractable Petroleum Hydrocarbons by SM 5520 E & F
Total Cd, Cr, Ni, Pb and Zn by AA Spectroscopy

Analyte	Method	Reporting Limit	Unit	Blank	MS/MSD Recovery	RPD
TEPH	5520F	50	mg/Kg	ND	71	8
Cadmium	7130	2.0	mg/Kg	ND	97/96	1
Chromium	7190	5.0	mg/Kg	ND	94/83	13
Lead	7420	2.0	mg/Kg	ND	143/148	3
Nickel	7520	5.0	mg/Kg	ND	99/97	2
Zinc	7950	1.0	mg/Kg	ND	96/99	3
Gasoline	8015M	0.5	mg/Kg	ND	84	6
Benzene	8020	.005	mg/Kg	ND	86	25
Ethylbenzene	8020	.005	mg/Kg	ND	104	24
Toluene	8020	.005	mg/Kg	ND	96	25
Xylenes	8020	.010	mg/Kg	ND	105	19
MTBE	8020	.005	mg/Kg	ND	70	26
Diesel	8015M	1.0	mg/Kg	ND	102	2

ELAP Certificate NO:1753
Reviewed and Approved

John A.Murphy,Laboratory Director

P O Box 5624 • South San Francisco California 94083 • 650-588-2838 FAX 588-1950

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

C E R T I F I C A T E O F A N A L Y S I S

Job Number: 98-307
Client : Scott Company
Project : 2040 Grand St, Alameda, CA

Date Sampled : 03/19/98
Date Analyzed: 03/24/98
Date Reported: 03/30/98

Halogenated Volatile Organics by GC/MS Method 8260

Laboratory Number	98-307-01	98-307-02
Client ID	STOCKPILE-1	SPILL CONT.
Matrix	SOIL	SOIL
Analyte	ug/Kg	ug/Kg
Chloromethane	15	ND<25
Vinyl Chloride	ND<25	ND<25
Bromomethane	ND<25	ND<25
Chloroethane	ND<25	ND<25
Trichlorofluoromethane	ND<5	ND<5
1,1-Dichloroethene	ND<5	ND<5
Methylene Chloride	ND<5	ND<5
t-1,2-Dichloroethene	ND<5	ND<5
1,1-Dichloroethane	ND<5	ND<5
c-1,2-Dichloroethene	13	ND<5
Chloroform	ND<5	ND<5
1,1,1-Trichloroethane	ND<5	ND<5
Carbon Tetrachloride	ND<5	ND<5
1,2-Dichloroethane	ND<5	ND<5
Trichloroethene	ND<5	ND<5
Bromodichloromethane	ND<5	ND<5
t-1,3-Dichloropropene	ND<5	ND<5
c-1,3-Trichloropropene	ND<5	ND<5
1,1,2-Trichloroethane	ND<5	ND<5
Tetrachloroethene	54	ND<5
Dibromobenzene	ND<5	ND<5
Chlorobenzene	ND<5	ND<5
1,1,2,2-Tetrachloroethane	ND<5	ND<5
1,3-Dichlorobenzene	ND<5	ND<5
1,4-Dichlorobenzene	ND<5	ND<5
1,2-Dichlorobenzene	ND<5	ND<5
Trichlorotrifluoroethane	ND<5	ND<5
1,2-Dibromoethane	ND<5	ND<5
SUR-Dibromofluoromethane	118% Rec	130% Rec
SUR- Toluene d8	88 % Rec	99 % Rec
SUR- 4-Bromofluorobenze	84 % Rec	92 % Rec

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North State Environmental
Chemical Waste Disposal · Trucking · Consulting

C E R T I F I C A T E O F A N A L Y S I S

Job Number: 98-307
Client : Scott Company
Project : 2040 Grand St, Alameda, CA

Date Sampled : 03/19/98
Date Analyzed: 03/24/98
Date Reported: 03/30/98

Halogenated Volatile Organics by GC/MS Method 8260
Quality Control/Quality Assurance Summary

Laboratory Number	98-307	MS/MSD	RPD
Client ID	Blank	Recovery	
Matrix	SOIL	SOIL	
Analyte	Results ug/Kg	%Recoveries	
Chloromethane	ND<25		
Vinyl Chloride	ND<25		
Bromomethane	ND<25		
Chloroethane	ND<25		
Trichlorofluoromethane	ND<5		
1,1-Dichloroethene	ND<5	104	2
Methylene Chloride	ND<5		
t-1,2-Dichloroethene	ND<5		
1,1-Dichloroethane	ND<5		
c-1,2-Dichloroethene	ND<5		
Chloroform	ND<5		
1,1,1-Trichloroethane	ND<5		
Carbon Tetrachloride	ND<5		
1,2-Dichloroethane	ND<5		
Trichloroethene	ND<5	105	11
Bromodichloromethane	ND<5		
t-1,3-Dichloropropene	ND<5		
c-1,3-Trichloropropene	ND<5		
1,1,2-Trichloroethane	ND<5		
Tetrachloroethene	ND<5		
Dibromobenzene	ND<5		
Chlorobenzene	ND<5	117	11
1,1,2,2-Tetrachloroethane	ND<5		
1,3-Dichlorobenzene	ND<5		
1,4-Dichlorobenzene	ND<5		
1,2-Dichlorobenzene	ND<5		
Trichlorotrifluoroethane	ND<5		
1,2-Dibromoethane	ND<5		
SUR-Dibromofluoromethane	87 % Rec	113/103	9
SUR- Toluene d8	99 % Rec	109/109	0
SUR- 4-Bromofluorobenze	95 % Rec	115/113	2

Reviewed and Approved

John A. Murphy
Laboratory Director

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CHROMALAB, INC.

Environmental Services (SDB)

March 27, 1998 *Submission #:* 9803279

NORTH STATE ENVIRONMENTAL LABS

Atten: John Stetz

Project: Not provided
Received: March 19, 1998

re: One sample for Polynuclear Aromatic Hydrocarbons (PAHs) analysis.
Method: *SW846 Method 8270A Nov 1990*

Client Sample ID: **STOCKPILE-1**
Spl#: 176216 *Matrix:* SOIL *Extracted:* March 25, 1998
Sampled: March 19, 1998 *Run#:* 11813 *Analyzed:* March 27, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
NAPHTHALENE	N.D.	0.50	N.D.	--	5
ACENAPHTHYLENE	N.D.	0.50	N.D.	--	5
ACENAPHTHENE	N.D.	0.50	N.D.	86.3	5
FLUORENE	N.D.	0.50	N.D.	--	5
PHENANTHRENE	N.D.	0.50	N.D.	--	5
ANTHRACENE	N.D.	0.50	N.D.	--	5
FLUORANTHENE	N.D.	0.50	N.D.	--	5
PYRENE	N.D.	0.50	N.D.	84.6	5
BENZO(A)ANTHRACENE	N.D.	0.50	N.D.	--	5
CHRYSENE	N.D.	0.50	N.D.	--	5
BENZO(B)FLUORANTHENE	N.D.	0.50	N.D.	--	5
BENZO(K)FLUORANTHENE	N.D.	1.0	N.D.	--	5
BENZO(A)PYRENE	N.D.	0.18	N.D.	--	5
INDENO(1,2,3-CD)PYRENE	N.D.	1.0	N.D.	--	5
DIBENZO(A,H)ANTHRACENE	N.D.	1.0	N.D.	--	5
BENZO(GHI)PERYLENE	N.D.	1.0	N.D.	--	5

Note: Reporting limits raised due to matrix interference.

Michael Lee
Chemist

Michael Verona
Operations Manager

650-588-1950 AS 03/26

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

March 27, 1998 *Submission #:* 9803279

NORTH STATE ENVIRONMENTAL LABS

Atten: John Stetz

Project: Not provided
Received: March 19, 1998

re: One sample for Polynuclear Aromatic Hydrocarbons (PAHs) analysis.
Method: *SW846 Method 8270A Nov 1990*

Client Sample ID: **SPILL CONTAINER PIT**
Spl#: 176217 *Matrix:* SOIL *Extracted:* March 25, 1998
Sampled: March 19, 1998 *Run#:* 11813 *Analyzed:* March 27, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
NAPHTHALENE	N.D.	0.50	N.D.	--	5
ACENAPHTHYLENE	N.D.	0.50	N.D.	--	5
ACENAPHTHENE	N.D.	0.50	N.D.	86.3	5
FLUORENE	N.D.	0.50	N.D.	--	5
PHENANTHRENE	N.D.	0.50	N.D.	--	5
ANTHRACENE	N.D.	0.50	N.D.	--	5
FLUORANTHENE	0.72	0.50	N.D.	--	5
PYRENE	N.D.	0.50	N.D.	84.6	5
BENZO(A)ANTHRACENE	N.D.	0.50	N.D.	--	5
CHRYSENE	N.D.	0.50	N.D.	--	5
BENZO(B)FLUORANTHENE	N.D.	0.50	N.D.	--	5
BENZO(K)FLUORANTHENE	N.D.	1.0	N.D.	--	5
BENZO(A)PYRENE	N.D.	0.18	N.D.	--	5
INDENO(1,2,3-CD)PYRENE	N.D.	1.0	N.D.	--	5
DIBENZO(A,H)ANTHRACENE	N.D.	1.0	N.D.	--	5
BENZO(GHI)PERYLENE	N.D.	1.0	N.D.	--	5

Note: Reporting limits raised due to matrix interference.

Michael Lee
Chemist

Michael Verona
Operations Manager

650-588-1950 AS 03/26

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

March 30, 1998 *Submission #:* 9803279

NORTH STATE ENVIRONMENTAL LABS

Atten: John Stetz

Project: Not provided
Received: March 19, 1998

re: One sample for Polychlorinated Biphenyls (PCBs) analysis.
Method: *SW846 Method 8080A Sept 1994*

Client Sample ID: **STOCKPILE-1**
Spl#: 176216 *Matrix:* SOIL *Extracted:* March 23, 1998
Sampled: March 19, 1998 *Run#:* 11774 *Analyzed:* March 24, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
AROCLOR 1016	N.D.	0.33	N.D.	97.6	10
AROCLOR 1221	N.D.	0.33	N.D.	--	10
AROCLOR 1232	N.D.	0.33	N.D.	--	10
AROCLOR 1242	N.D.	0.33	N.D.	--	10
AROCLOR 1248	N.D.	0.33	N.D.	--	10
AROCLOR 1254	N.D.	0.33	N.D.	--	10
AROCLOR 1260	N.D.	0.33	N.D.	108	10

Note: Reporting limit raised due to matrix effect.

Alex Tam For
Chemist

Michael Verona
Operations Manager

650-588-1950 AS 03/26

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.
Environmental Services (SDB)

March 30, 1998 *Submission #:* 9803279

NORTH STATE ENVIRONMENTAL LABS

Atten: John Stetz

Project: Not provided
Received: March 19, 1998

re: One sample for Polychlorinated Biphenyls (PCBs) analysis.
Method: *SW846 Method 8080A Sept 1994*

Client Sample ID: **SPILL CONTAINER PIT**
Spl#: 176217 *Matrix:* SOIL *Extracted:* March 23, 1998
Sampled: March 19, 1998 *Run#:* 11774 *Analyzed:* March 24, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
AROCLOR 1016	N.D.	0.33	N.D.	97.6	10
AROCLOR 1221	N.D.	0.33	N.D.	--	10
AROCLOR 1232	N.D.	0.33	N.D.	--	10
AROCLOR 1242	N.D.	0.33	N.D.	--	10
AROCLOR 1248	N.D.	0.33	N.D.	--	10
AROCLOR 1254	N.D.	0.33	N.D.	--	10
AROCLOR 1260	N.D.	0.33	N.D.	108	10

Note: Reporting limit raised due to matrix interference.

Alex Tam for
Chemist

Michael Verona
Operations Manager

650-588-1950 AS 03/28

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CHROMALAB, INC.

Environmental Services (SDB)

March 30, 1998 *Submission #:* 9803279

NORTH STATE ENVIRONMENTAL LABS

Atten: John Stetz

Project: Not provided
Received: March 19, 1998

re: **Blank spike and duplicate** report for Polychlorinated Biphenyls (PCBs) analysis.

Method: SW846 Method 8080A Sept 1994

Matrix: SOIL
Lab Run#: 11774 *Analyzed:* March 24, 1998

Analyte	Spike Amount BSP (mg/Kg)	Spike Amount Dup (mg/Kg)	Spike Found BSP (mg/Kg)	Spike Found Dup (mg/Kg)	Spike Recov BSP (%)	Spike Recov Dup (%)	Control Limits	% RPD	% RPD Lim
AROCLOR 1016	66.7	66.7	65.1	60.7	97.6	91.0	65-135	7.00	30
AROCLOR 1260	66.7	66.7	72.0	65.1	108	97.6	65-135	10.1	30

BS Smpl #: 176729
BSD Smpl #: 176730

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CHROMALAB, INC.

Environmental Services (SDB)

March 30, 1998 *Submission #:* 9803279

NORTH STATE ENVIRONMENTAL LABS

Atten: John Stetz

Project: Not provided
Received: March 19, 1998

re: **Surrogate** report for 2 samples for Polychlorinated Biphenyls (PCBs) analysis.
Method: SW846 Method 8080A Sept 1994
Lab Run#: 11774
Matrix: SOIL

Sample#	Client Sample ID	Surrogate	% Recovered	Recovery Limits
176216-1	STOCKPILE-1	S1 2,4,5,6-TETRACHLOROXYL	126	65-135
176216-1	STOCKPILE-1	S2 DECACHLOROBIPHENYL	99.9	65-135
176217-1	SPILL CONTAINER PIT	S1 2,4,5,6-TETRACHLOROXYL	343	65-135
176217-1	SPILL CONTAINER PIT	S2 DECACHLOROBIPHENYL	118	65-135

Sample#	QC Sample Type	Surrogate	% Recovered	Recovery Limits
176728-1	*Reagent blank (MDB)*	S1 2,4,5,6-TETRACHLOROXYL	89.0	65-135
176728-1	*Reagent blank (MDB)*	S2 DECACHLOROBIPHENYL	111	65-135
176729-1	*Spiked blank (BSP)*	S1 2,4,5,6-TETRACHLOROXYL	92.9	65-135
176729-1	*Spiked blank (BSP)*	S2 DECACHLOROBIPHENYL	104	65-135
176730-1	*Spiked blank duplicate (BSD)*	S1 2,4,5,6-TETRACHLOROXYL	83.1	65-135
176730-1	*Spiked blank duplicate (BSD)*	S2 DECACHLOROBIPHENYL	104	65-135
176731-1	*Matrix spike (MS)*	S1 2,4,5,6-TETRACHLOROXYL	83.2	65-135
176731-1	*Matrix spike (MS)*	S2 DECACHLOROBIPHENYL	88.5	65-135
176732-1	*Matrix spike duplicate (MSD)*	S1 2,4,5,6-TETRACHLOROXYL	80.3	65-135
176732-1	*Matrix spike duplicate (MSD)*	S2 DECACHLOROBIPHENYL	94.1	65-135

S051
QCSURR1229 LINDA 30-Mar-98 13.5

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Federal ID #68-0140157

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North State Environmental Analytical Laboratory

Phone: (415) 588-9652 Fax: (415) 588-1950

Chromalab

Chain of Custody / Request for Analysis

Lab Job No.: _____ Page ___ of ___

Client NSE	Report to: John Stetz	Phone: 650-266-4583	Turnaround Time: 5 days
Mailing Address: P.O. Box 5624, SSF, CA 94083	Billing to:	Fax: 650-588-1950	
		PO# / Billing Reference: 98-307	Date:
			Sampler:

Project / Site Address

SUBM #: 9803279 REP: AS
CLIENT: NORTH STATE
DUE: 03/26/98
REF #: 30803

Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	Analysis Requested: EPA 8080 PCBs	EPA 8270 - PNAs Only
Stockpile - 1	Soil	1 gl	—	3/19/98	X	X
Spill Container Pit	↓	↓	↓	↓	X	X

Relinquished by: John M	Date: 3/19/98	Time: 4:55	Received by: Gary Cook	Lab Comments
Relinquished by: Gary Cook	Date: 3/19/98	Time: 18:45	Received by: O'Connor	
Relinquished by:	Date:	Time:	Received by: 3.19.98 18:45	

98-307

North State Environmental Analytical Laboratory

Phone: (415) 588-9652 Fax: (415) 588-1950

Chain of Custody / Request for Analysis

Lab Job No.: _____ Page ___ of ___

Client: Scott Company	Report to: Paul Ferreira	Phone:	Turnaround Time: Stnd
Mailing Address:	Billing to:	Fax:	
		PO# / Billing Reference:	Date: 3/19/98
			Sampler: G. Dawson

Project / Site Address: 2040 Grand St. Alameda, Ca

Analysis Requested

	Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	Gas/BTEX/MTBE	Diesel	5 Metals	TEPH	8080 - PCBs	8270 - SVOCs	8010 - HVOCs	Comments/Hazards
1	Stockpile-1	Soil	1 BT	—	1:15pm 3-19-98	X		X		X	X		
2	Spill Containment Pit	↓	↓	↓	1:20pm 3-19-98	X		X		X	X		

Relinquished by: Pat O'Mara	Date: 3/19	Time: 1:25	Received by: Gary Dawson	Lab Comments
Relinquished by:	Date:	Time:	Received by:	
Relinquished by:	Date:	Time:	Received by:	

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 98-307
Client: Scott Company
Project: 2040 Grand St, Alameda, CA

Date Reported: 03/30/98

Gasoline,BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons by Method 8015 M
Total Extractable Petroleum Hydrocarbons by SM 5520 E & F
Total Cd, Cr, Ni, Pb and Zn by AA Spectroscopy

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 98-307-01	Client ID: STOCKPILE-1			03/19/98	SOIL
Cadmium	7130	ND			03/27/98
Chromium	7190	18	mg/Kg		
Lead	7420	230	mg/Kg		
Nickel	7520	16	mg/Kg		
Zinc	7950	170	mg/Kg		
Gasoline	8015M	10	mg/Kg		03/30/98
Benzene	8020	ND			
Ethylbenzene	8020	0.02	mg/Kg		
MTBE	8020	* 0.1	mg/Kg		
Toluene	8020	ND			
Xylenes	8020	0.11	mg/Kg		
TEPH	5520F	8900	mg/Kg		03/26/98
Diesel	8015M	49	mg/Kg		03/30/98
Sample: 98-307-02	Client ID: SPILL CONT. PIT			03/19/98	SOIL
Cadmium	7130	ND			03/27/98
Chromium	7190	16	mg/Kg		
Lead	7420	104	mg/Kg		
Nickel	7520	ND			
Zinc	7950	525	mg/Kg		
Gasoline	8015M	170	mg/Kg		03/30/98
Benzene	8020	ND			

* Confirmed by GC/MS Method 8260.

P O Box 5624 • South San Francisco California 94083 • 650-588-2838 FAX 588-1950