March 94

UNDERGROUND STORAGE TANK CLOSURE DOCUMENTATION REPORT ARATEX SERVICES, INC. OAKLAND, CA

PREPARED FOR
ARATEX SERVICES, INC.
SCHAUMBURG, IL

PREPARED BY
RMT, INC.
MARINA DEL REY, CA

MARCH 1994

James W. Van Nortwick, Jr., Ph.D., P.E.
Project Manager

RMT, INC. — LOS ANGELES
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March 16, 1994

Ms. Jennifer Eberle
Alameda County Health Care Service Agency
Department of Environmental Health
UST Local Oversight Program
80 Swan Way, Room 200
Oakland, CA 94621

RE: UNDERGROUND STORAGE TANK CLOSURE DOCUMENTATION REPORT
Aratex Services, Inc., 330 Chestnut Street, Oakland, California

Dear Ms. Eberle:

On September 29, 1993, three underground storage tanks were removed from the referenced facility in compliance with the Alameda County Health Care Service Agency, Department of Environmental Health (ACHCSA) regulations and permits.

No visual evidence of impact damage, holes, pitting, corrosion, or contamination were apparent during the gasoline and diesel fuel storage tank removal activities and the tanks appeared structurally sound. Some pitting and corrosion was observed on the bottom of the mop oil tank during removal activities, however, the integretity of the tank did not appear to be compromised. Evidence of a diesel fuel release was identified in the vicinity of the diesel fuel dispenser vault area and the fuel regulator located along the loading dock wall. In addition, evidence of a product release was also identified in the mop oil tank excavation. The results of additional soil sampling activities indicated that the extent of diesel fuel-impacted soil was limited to the area immediately surrounding the dispenser vaults and diesel fuel regulator. Based on these findings, additional soil excavation activities were conducted in January 1994.

The results of the tank removal activities and additional soil excavation and sampling activities are presented in the enclosed underground storage tank removal documentation report. If you have any questions or comments please feel free to contact me at (310) 578-1241.

Sincerely,

James W. Van Nortwick, Jr., Ph.D., P.E.
Project Manager

Enc: Underground Storage Tank Closure Documentation Report

cc: Robert J. Robbins, C.P.G.
Phillip Krejci
File: 505/Tanks

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Section 1
INTRODUCTION

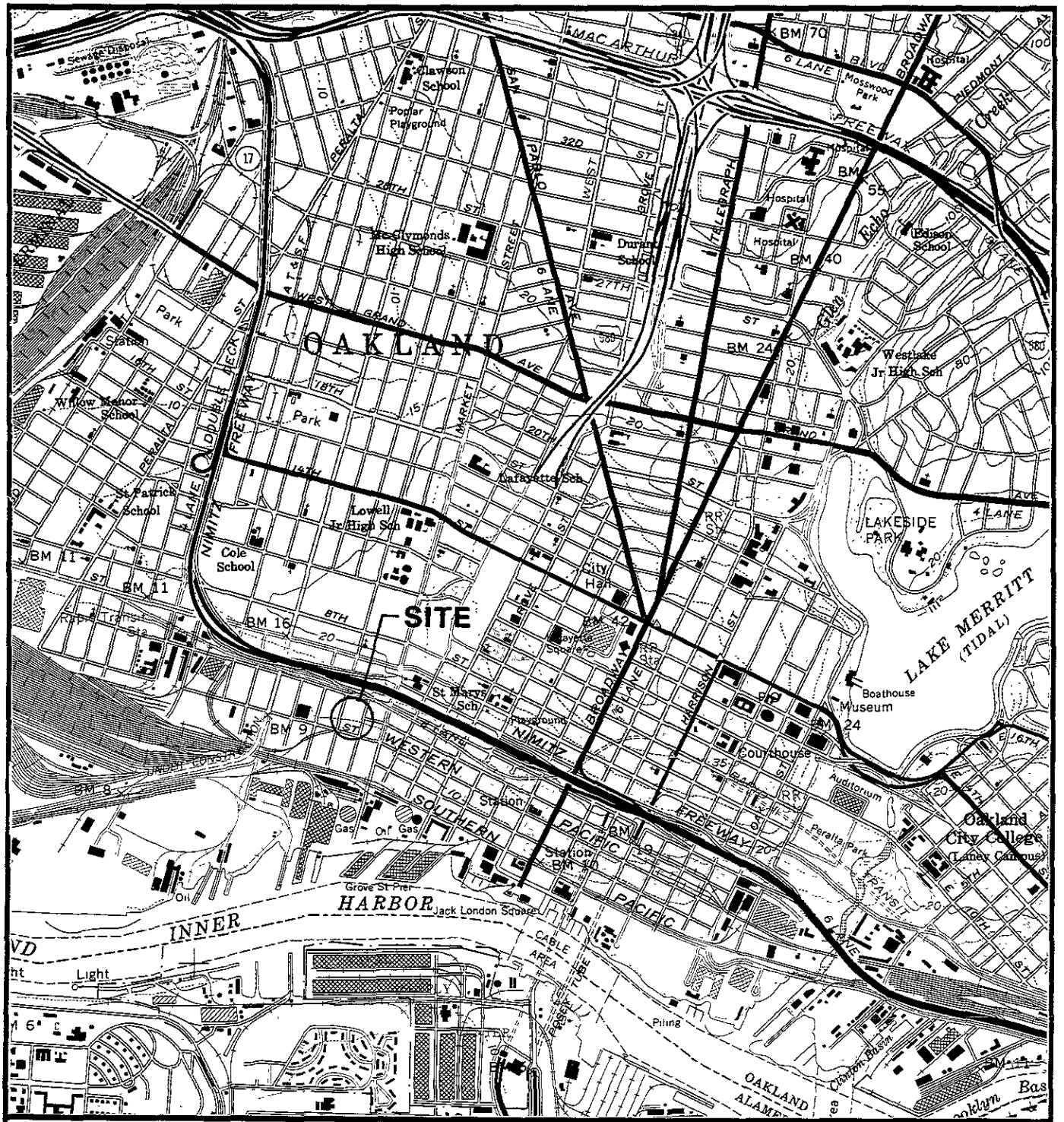
1.1 Background

Aratex Services, Inc., (ARATEX) owns and operates an industrial laundry facility located at 330 Chestnut Street in Oakland, California. Two single walled, steel, underground petroleum hydrocarbon storage tanks were maintained at this facility to supply fuel for the delivery vehicles. In addition, an underground mop oil storage tank was also maintained at the facility. RMT, Inc. (RMT) was retained by ARATEX to document the removal and disposal of the underground storage tanks and perform soil sampling as required by the Alameda County Health Care Service Agency, Department of Environmental Health (ACHCSA). ARATEX arranged with Paradiso Construction Company (Paradiso) to provide for the tank removal. Paradiso was responsible for the means and methods of the residual product removal and disposal, tank removal, excavation backfilling, and their necessary health-and-safety considerations. Copies of the ACHCSA and City of Oakland tank removal permits, uniform hazardous waste manifest, tank destruction certificate, ACHCSA inspection forms, City of Oakland inspection reports, chain-of-custody documents, and laboratory reports are presented in the appendices.

The approximate dimensions and capacities of each tank are summarized in Table 1. All three underground storage tanks were installed approximately 15 years ago and were located approximately 2.5 ft to 3.5 ft below ground surface (bgs) along the eastern property boundary near the mop oil building. A general area map is presented in Figure 1, a site plan of the facility showing the former location of the underground gasoline storage tank is shown in Figure 2.

TABLE 1
Underground Storage Tank Information

Tank Contents	Tank Dimensions	Tank Capacity
Gasoline	8-ft Diameter x 13-ft Length	5,000-gallons
Mop Oil	8-ft Diameter x 27-ft Length	10,000-gallons
Diesel Fuel	8-ft Diameter x 32-ft Length	12,000-gallons



NOTE: BASE MAP TAKEN FROM OAKLAND WEST, CALIFORNIA USGS 7.5 Min. QUADRANGLE

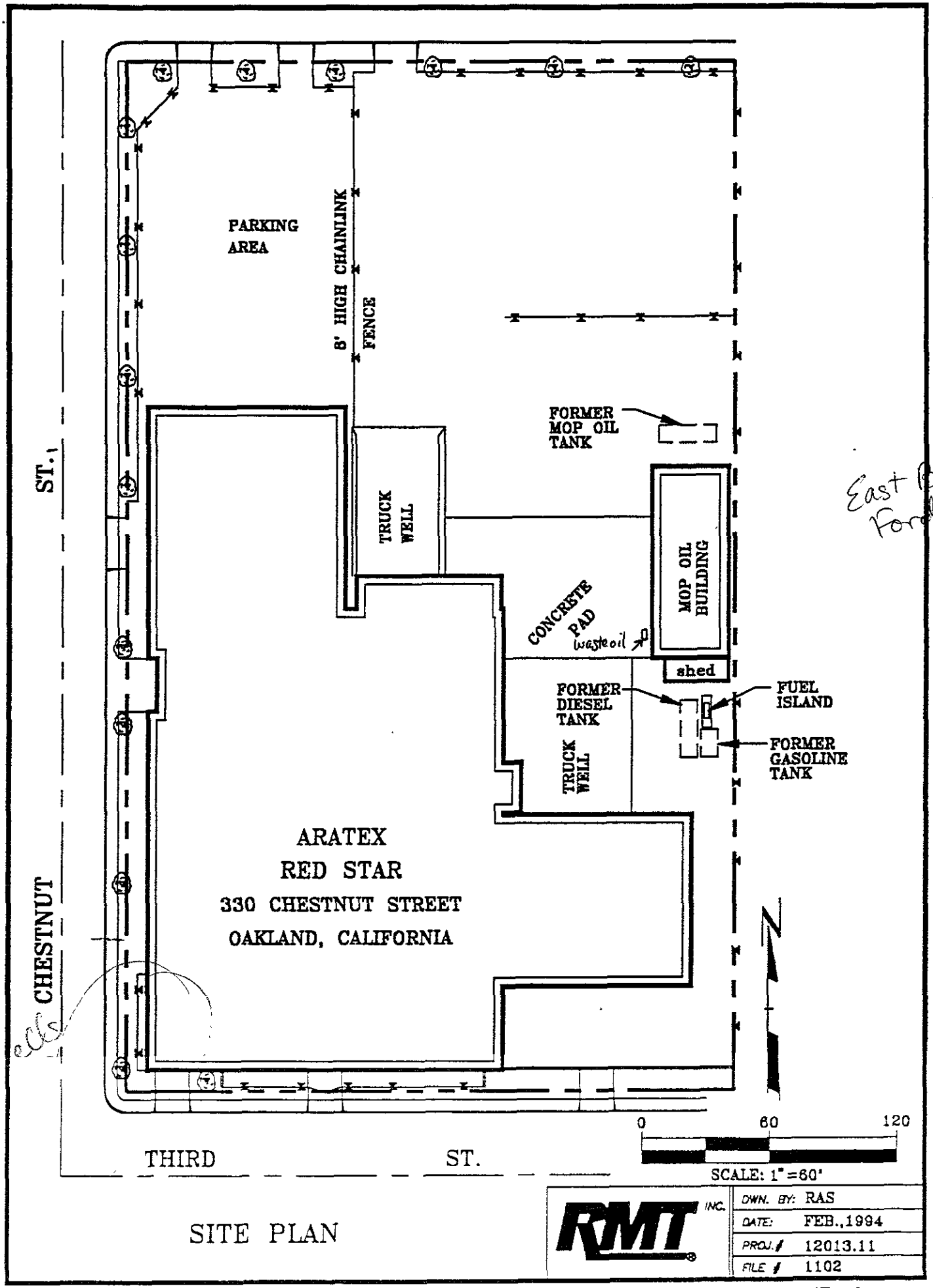
ARATEX - OAKLAND
OAKLAND, CALIFORNIA
SITE LOCATION MAP

NORTH
SCALE: 1 = 2000

RMT INC.

DWN. BY	RAS
DATE	SEPT. 1993
PROJ #	12036.01
FILE #	0101

FIGURE 1



SITE PLAN

RMT INC.

DWN. BY:	RAS
DATE:	FEB.,1994
PROJ.#	12013.11
FILE #	1102

FIGURE 2

1.2 Purpose and Scope

The purpose of this report is to provide written documentation of the underground tank removal activities, additional soil sampling activities, and soil excavation activities in compliance with ACHCSA tank closure regulations. The scope of RMT's documentation is limited to the following:

- Observation of the tank removal activities related to the 5,000-gallon gasoline tank, the 10,000-gallon mop oil tank, and the 12,000-gallon diesel fuel tank (tank decontamination, excavation, and backfilling procedures, and condition of the tank, piping, and surrounding soils).
- Air monitoring, soil sampling, laboratory analyses, and interpretation of results.
- Additional soil sampling activities to determine the extent of petroleum hydrocarbon-impacted soil.
- Observation of soil excavation and disposal activities.
- Preparation of tank closure documentation report including copies of permits, soil disposal manifests, tank destruction certification, site inspection reports, and laboratory results (as provided by the involved parties).

Section 2
TANK REMOVAL ACTIVITIES

2.1 Tank Removal Permits

Underground storage tank removal permits were received from the Alameda County Health Care Services Agency, Department of Environmental Health, Hazardous Materials Division and the City of Oakland on July 23, 1993, and tank removal activities were initiated on June 28, 1993. Copies of the tank removal permits are included in Appendix A.

July ?

2.2 Excavation of Overburden

The underground storage tank removal activities were conducted by Paradiso Construction Company of San Leandro, California. Tank removal activities included the removal of the asphalt overlying the tanks, the excavation of the overburden soil to expose the tanks, and the removal of the tanks from the excavations. The asphalt material and soil removed from the excavations were stockpiled on-site.

During soil excavation activities the presence of potential soil contamination was continuously monitored using visual indications as well as an organic vapor monitor (OVM). Although no evidence of petroleum contamination was observed in the overburden soil or soil surrounding the gasoline tank piping, OVM measurements recorded in the vicinity of the diesel fuel fill pie and dispenser identified the presence of vapor-phase volatile organic compounds (VOC).

2.3 Pumping, Rinsing, and Degassing

Prior to initiating degassing activities, approximately 400 gallons of petroleum hydrocarbons and rinsate were removed from the petroleum product storage tanks and transported by Erickson, Inc., (Erickson) of Richmond, California, for disposal at Gibson Oil/Pilot Petroleum in Redwood City, California. A copy of the hazardous waste manifest is presented in Appendix B.

The tanks were degassed by venting off-gases and by the addition of approximately 50 lbs of dry ice per 1,000 gallons of tank capacity to the inside of the each tank until LEL readings were below 10 percent. The LEL reading was certified by a representative of the City of Oakland, Fire Prevention Bureau before the tank was removed from the excavation. Copies of the City of Oakland inspection reports are presented in Appendix C.

2.4 Tank Removal Procedures

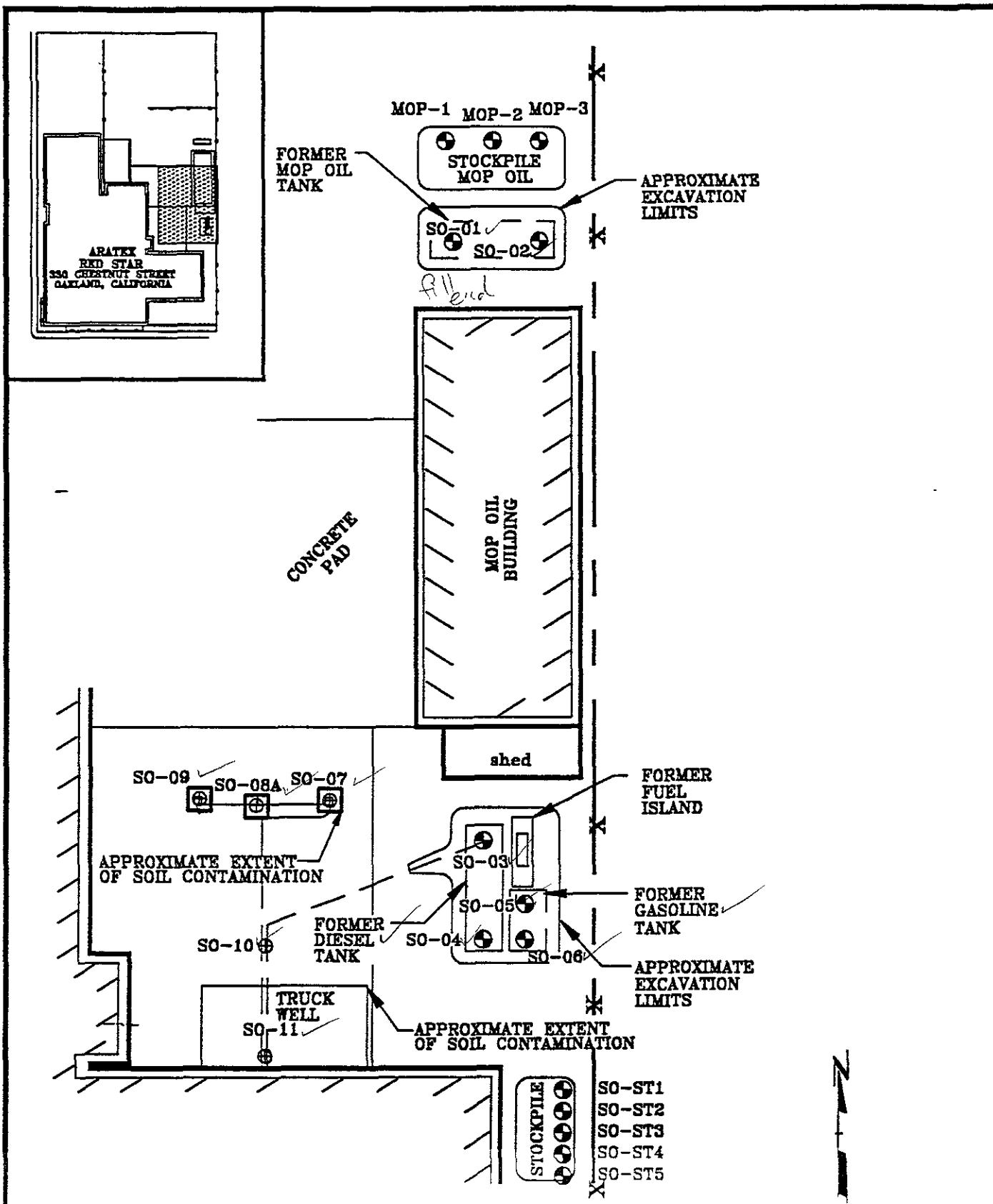
When tank degassing operations had been completed, the storage tanks were removed from the excavations and inspected for structural integrity and evidence of corrosion. All tank seams and welds were scraped and inspected for holes or cracks. No signs of impact damage, holes, pitting, or corrosion were apparent and the petroleum product tanks appeared structurally sound. Although some pitting and corrosion was observed in the bottom of the mop oil tank, no signs of impact damage or holes were noted and the tank appeared to be structurally sound. All tanks were transported from the site by Erickson of for destruction at the Erickson facility. The tank disposal manifests and destruction certificates are presented in Appendix D.

The presence of potential soil contamination was monitored during tank removal activities using visual indications and an OVM. Evidence of product releases were observed in the soils immediately underlying the mop oil tank and surrounding the diesel fuel fill pipe and dispensers.

A representative of the ACHCSA was on-site during the tank removal activities and inspected the tanks, excavation areas, and stockpiled soils. Approximately 100 yds^3 of soil were removed from the gasoline/diesel fuel tank excavation and stockpiled on-site pending chemical analyses. In addition, approximately 75 yds^3 of soil removed from the mop oil excavation was also stockpiled on-site pending chemical analyses. Groundwater was not encountered during the petroleum product tank removal activities, however, a small amount of groundwater was encountered during the removal of the mop oil tank. ACHCSA inspection forms are included in Appendix E and photographs documenting the tank removal activities are presented in Appendix F.

2.5 Soil Sampling Procedures

The stratigraphy at the site, in the vicinity of the excavation, consists primarily of sandy silty clay. Soil sampling activities were conducted after tank excavation activities had been completed. Soil samples were collected from the north and south ends of the gasoline and diesel fuel tank excavation floors at a depths ranging between approximately 11.5 ft to 13 ft bgs. Soil samples were also collected from the floor of the east and west ends of the mop oil excavation floor at a depth of approximately 14 ft bgs. Soil sampling locations were selected based on OVM readings and instructions from Ms. Jennifer Eberle, of the ACHCSA. Composite samples of the overburden soil removed from the gasoline/diesel fuel excavation area and mop oil excavation were also collected for chemical analyses at the request of the ACHCSA. A site plan showing the soil sampling locations is presented in Figure 3.



SAMPLING LOCATIONS
TANK REMOVAL ACTIVITIES

RMT INC.

DWN. BY:	RAS
DATE:	FEB.,1994
PROJ.#	12013.11
FILE #	1103

FIGURE 3

The soil samples were collected by RMT using a stainless steel sampler. The sampler was decontaminated prior to sampling and between each sampling event by scrubbing with tri-sodium phosphate (TSP) and rinsing with organic-free deionized water to minimize the possibility of sample contamination. All soil samples were placed in glass sampling jars equipped with teflon lids, capped, sealed, and stored on ice pending shipment to a California certified independent laboratory following standard chain-of-custody procedures.

2.6 Chemical Analyses of Soil

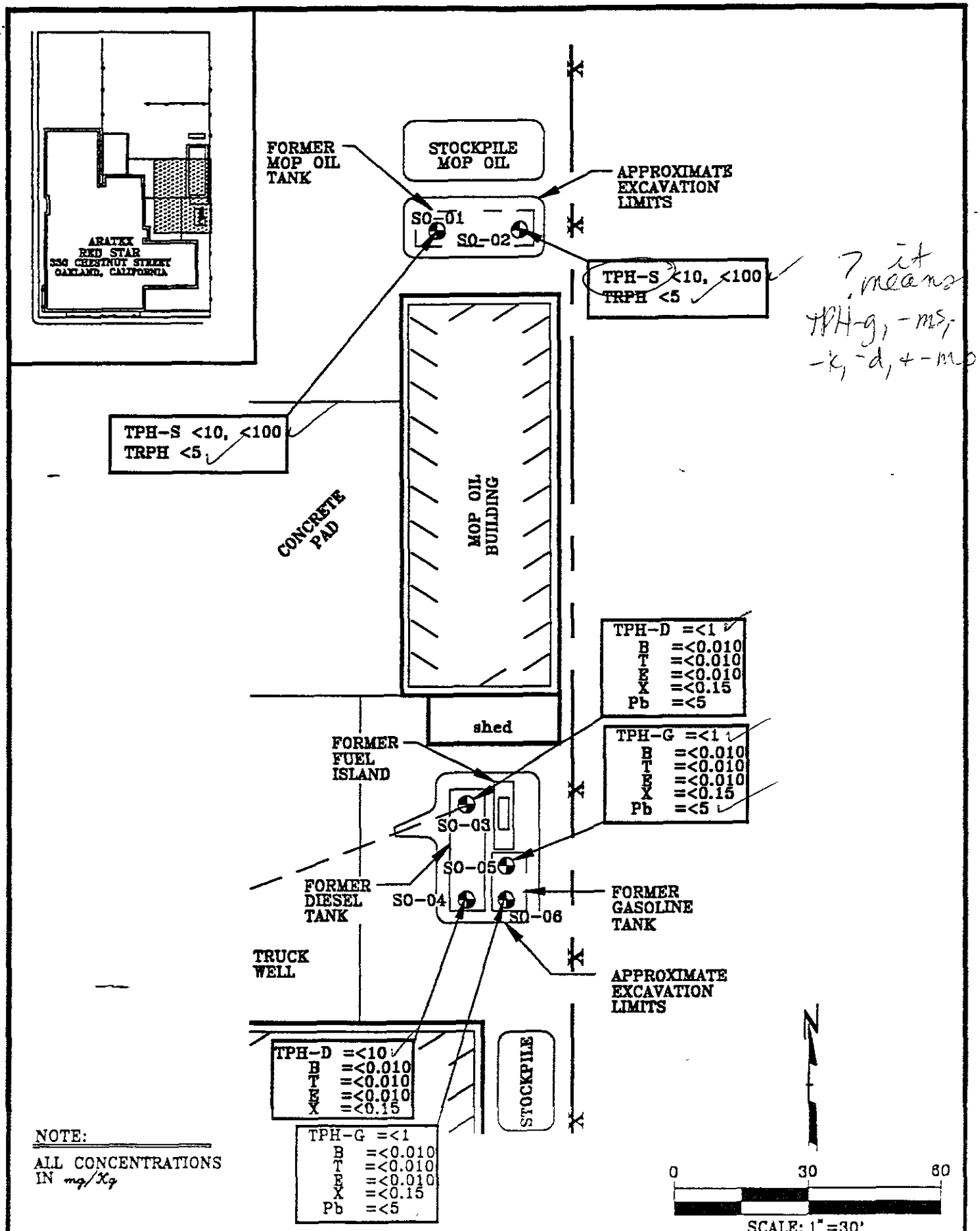
Soil samples collected from the floor of the gasoline/diesel fuel excavation and the stockpiled overburden soil were analyzed for the presence of total petroleum hydrocarbons as gasoline (TPH-G) and diesel (TPH-D), benzene, toluene, ethylbenzene, and xylenes (BTEX), and organic lead using a California modified EPA SW-846 Method 8015, Method 8020, and Flame Atomic Absorption, respectively. Soil samples collected from the floor of the mop oil excavation were analyzed for the presence of total recoverable petroleum hydrocarbons (TRPH), and TPH-G, TPH-D, TPH as mineral spirits (TPH-MS), TPH as kerosene (TPH-K), and TPH as motor oil (TPH-MO), using a EPA SW-846 Method 418.1 and Method 8015M, respectively. The analytical procedures used in analyzing the soil samples collected from the mop oil excavation were selected based on the composition of the mop oil and conversations with Ms. Jennifer Eberle of the ACHCSA. A copy of the Material Safety and Data Sheet for the mop oil is included in Appendix G.

In addition, composite soil samples collected form the stockpiled overburden soil removed from the mop oil excavation were analyzed for TRPH using EPA SW-846 Method 418.1. The results of the chemical analyses performed on the soil samples are summarized in Table 1 and presented in Figures 4 and 5. A copy of the laboratory report is presented in Appendix H.

was OK'd for backfill

2.7 Excavation Backfill and Surface Restoration

Following soil sampling analyses, the gasoline/diesel fuel tank excavation and the mop oil excavation were backfilled with a mixture of imported fill material and the overburden soil. The excavation area was covered with asphalt and paved to match the existing grade.



? it means TPH-g, -ms, -k, -d, + -mo.

NOTE:

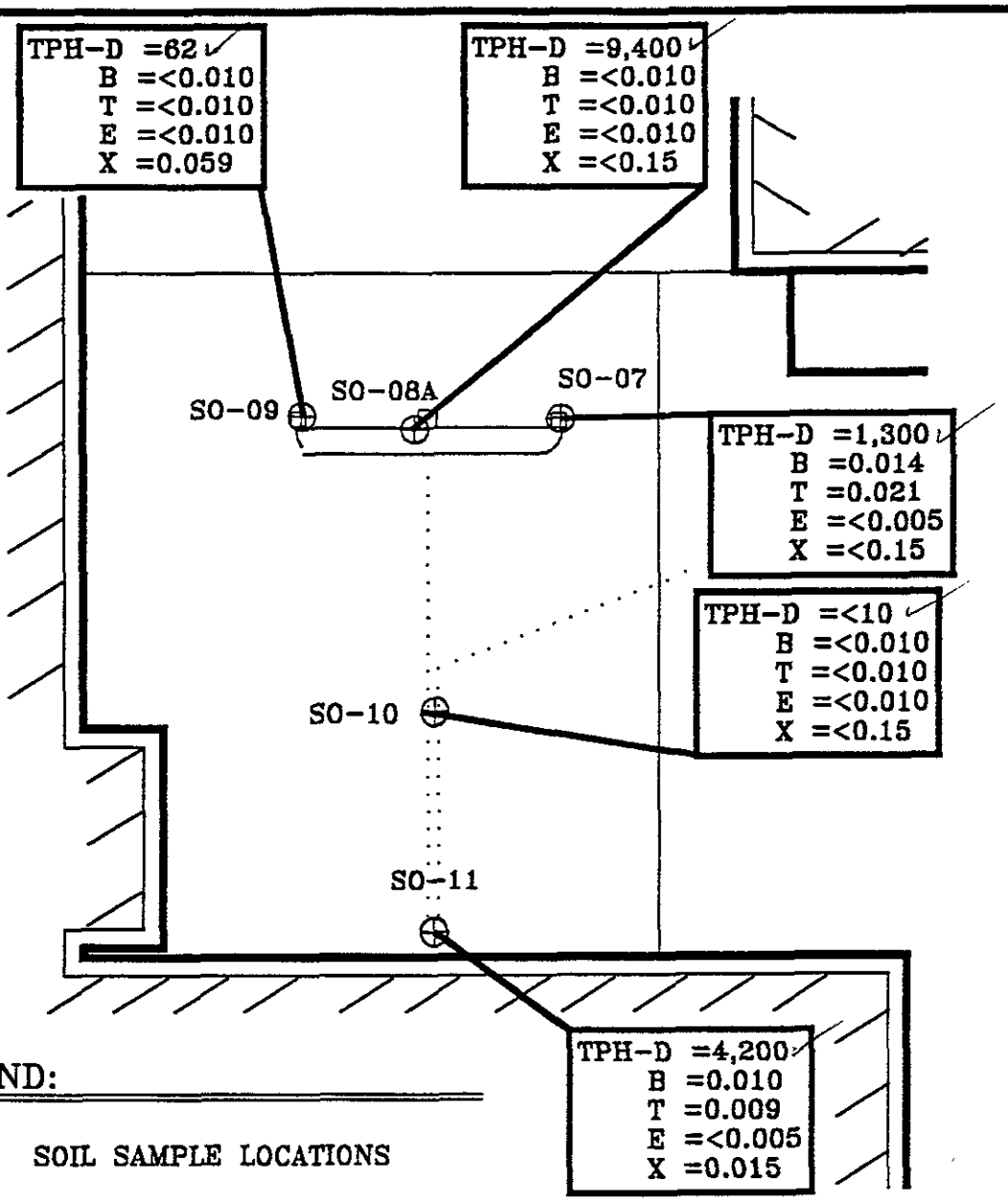
ALL CONCENTRATIONS IN mg/Kg

CHEMICAL ANALYSES
MOP OIL, DIESEL FUEL,
AND GASOLINE TANK AREAS

RMT INC.

DWN. BY:	RAS
DATE:	FEB.,1994
PROJ.#	12013.11
FILE #	1104

FIGURE 4



LEGEND:

⊕ SOIL SAMPLE LOCATIONS

NOTE:

ALL CONCENTRATIONS
IN mg/Kg

N

0 20 40

SCALE: 1" =20'

CHEMICAL ANALYSES DIESEL FUEL DISPENSER VAULT AREA

RMT INC.

DWN. BY:	RAS
DATE:	FEB., 1994
PROJ.#	12013.11
FILE #	1105

FIGURE 5

TABLE 2

Chemical Analyses - Tank Removal Activities

Sample Location	Sample Depth (ft-bgs)	Parameter (mg/kg)								
		TPH-G	TPH-D	TPH-MS/K/MO TRPH	TPH (418.1)	Benzene	Toluene	Ethyl-benzene	Xylene	Lead
MOP OIL EXCAVATION										
SO-01	14	—	—	BMDL	—	—	—	—	—	—
SO-02	13	—	—	BMDL	—	—	—	—	—	—
GASOLINE/DIESEL FUEL EXCAVATION										
SO-03	12	—	<1	—	—	<0.010	<0.010	<0.010	<0.15	<5
SO-04	13	—	<10	—	—	<0.010	<0.010	<0.010	<0.15	—
SO-05	11.5	<1	—	—	—	<0.010	<0.010	<0.010	<0.15	<5
SO-06	13	<1	—	—	—	<0.010	<0.010	<0.010	<0.15	<5
DIESEL FUEL DISPENSER VAULTS/REGULATOR EXCAVATION										
SO-07	5	—	1,300	—	—	0.014	0.021	<0.005	<0.15	—
SO-08	5	—	9,400	—	—	<0.010	<0.010	<0.010	<0.15	—
SO-09	4	—	62	—	—	<0.010	<0.010	<0.010	0.59	—
SO-10	2	—	<10	—	—	<0.010	<0.010	<0.010	<0.15	—
SO-11	1	—	4,200	—	—	0.010	0.009	<0.005	0.015	—
STOCKPILED SOIL - GASOLINE/DIESEL FUEL EXCAVATION										
SO-ST1	NA	<1	36	—	—	<0.010	<0.010	<0.010	<0.15	21
SO-ST2	NA	<1	23	—	—	<0.010	<0.010	<0.010	<0.15	18
SO-ST3	NA	<1	<10	—	—	<0.010	<0.010	<0.010	<0.15	9
SO-ST4	NA	<1	<10	—	—	<0.010	<0.010	<0.010	<0.15	26
SO-ST5	NA	<1	<10	—	—	<0.010	<0.010	<0.010	<0.15	44
STOCKPILED SOIL - MOP OIL EXCAVATION										
MOP-1	NA	—	—	—	290	—	—	—	—	—
MOP-2	NA	—	—	—	110	—	—	—	—	—
MOP-3	NA	—	—	—	140	—	—	—	—	—

BMDL - Below Method Detection Limit
TPH-MS = 10 mg/kg
TPH-K = 10 mg/kg
TPH-MO = 100 mg/kg
TRPH = 5 mg/kg

NA - Not Applicable
— - Not Analyzed

but will be ... MWDS

Section 3
SOIL SAMPLING ACTIVITIES

The results of the soil sampling activities conducted during the tank removal activities identified the presence of petroleum hydrocarbons in the soil underlying the former diesel fuel dispenser vaults and regulator. Based on these findings, additional soil sampling activities were conducted in the vicinity of both the diesel fuel dispenser vaults and the regulator to determine the extent of petroleum hydrocarbon-impacted soil.

3.1 Soil Sampling Procedures

Soil sampling activities were conducted in September 1993, and included the advancement of ten soil boring (SB-1 through SB-4, SB-6, SB-7, SB-10 through SB-12, and SB-14). Each borehole was advanced to a depth of approximately 10 ft bgs using hand augering techniques. Soil samples were collected at depths of approximately 5 and 10-ft bgs using a stainless steel sampler. Based on PID readings and visual observations noted during sample collection, several soil samples were submitted for chemical analyses. Soil sampling locations are presented in Figure 6.

3.2 Chemical Analyses of Soil

Soil samples collected from the diesel fuel dispenser vault and regulator areas during the soil sampling activities were analyzed for the presence of TPH-D and BTEX using EPA SW-846 Methods 8015 (California modified) and Method 8020, respectively. The results of the chemical analyses performed are presented in Table 3 and Figure 6. A copy of the laboratory report is presented in Appendix I.

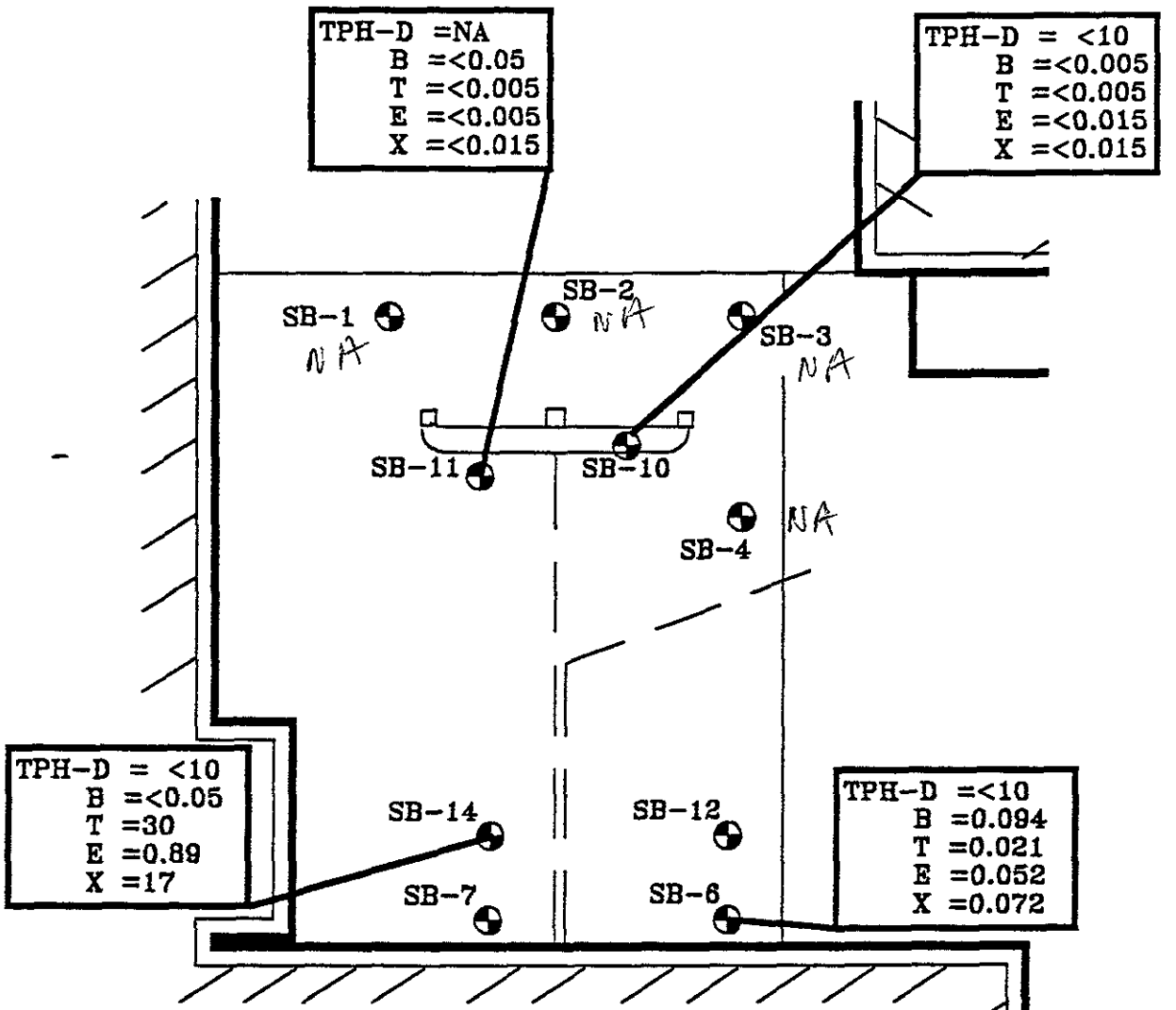
TABLE 3

Chemical Analyses - Soil Sampling Activities

9-93

Sample Location	Sample Depth (ft bgs)	Parameter (mg/kg)				
		TPH-D	Benzene	Toluene	Ethylbenzene	Xylene
SB-06-5	5	<10	0.094	0.021	0.052	0.072
SB-10-5	5	<10	<0.005	<0.005	<0.005	<0.005
SB-11-5	5	---	<0.05	30	0.89	17
SB-14-5	5	<10[a]	<0.005	<0.005	<0.005	<0.005

a - Hydrocarbon pattern not indicative of diesel fuel (pattern resembles motor oil)



LEGEND:

● SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS

NOTE:

1 SAMPLE DEPTH = 5 FEET bgs.

2 ALL CONCENTRATIONS IN mg/Kg

N

0 20 40

SCALE: 1" =20'

CHEMICAL ANALYSES SOIL SAMPLING ACTIVITIES

RMT INC.

DWN. BY:	RAS
DATE:	FEB., 1994
PROJ.#	12013.11
FILE #	1106

FIGURE 6

Section 4
SOIL EXCAVATION ACTIVITIES

The results of the additional soil sampling activities conducted in September 1993, identified the presence of petroleum hydrocarbons in soil samples collected in the vicinity of the diesel fuel dispenser vault and regulator areas. The results also indicated that the extent of petroleum hydrocarbon-impacted soil was limited to the uppermost 5 to 10-ft bgs. Based on the results of the chemical analyses, a workplan was for the removal of the petroleum hydrocarbon-impacted soil was submitted to the ACHCSA on December 7, 1993 (See Appendix J). The workplan was verbally approved by Ms. Jennifer Eberle of the ACHCSA on December 27, 1993.

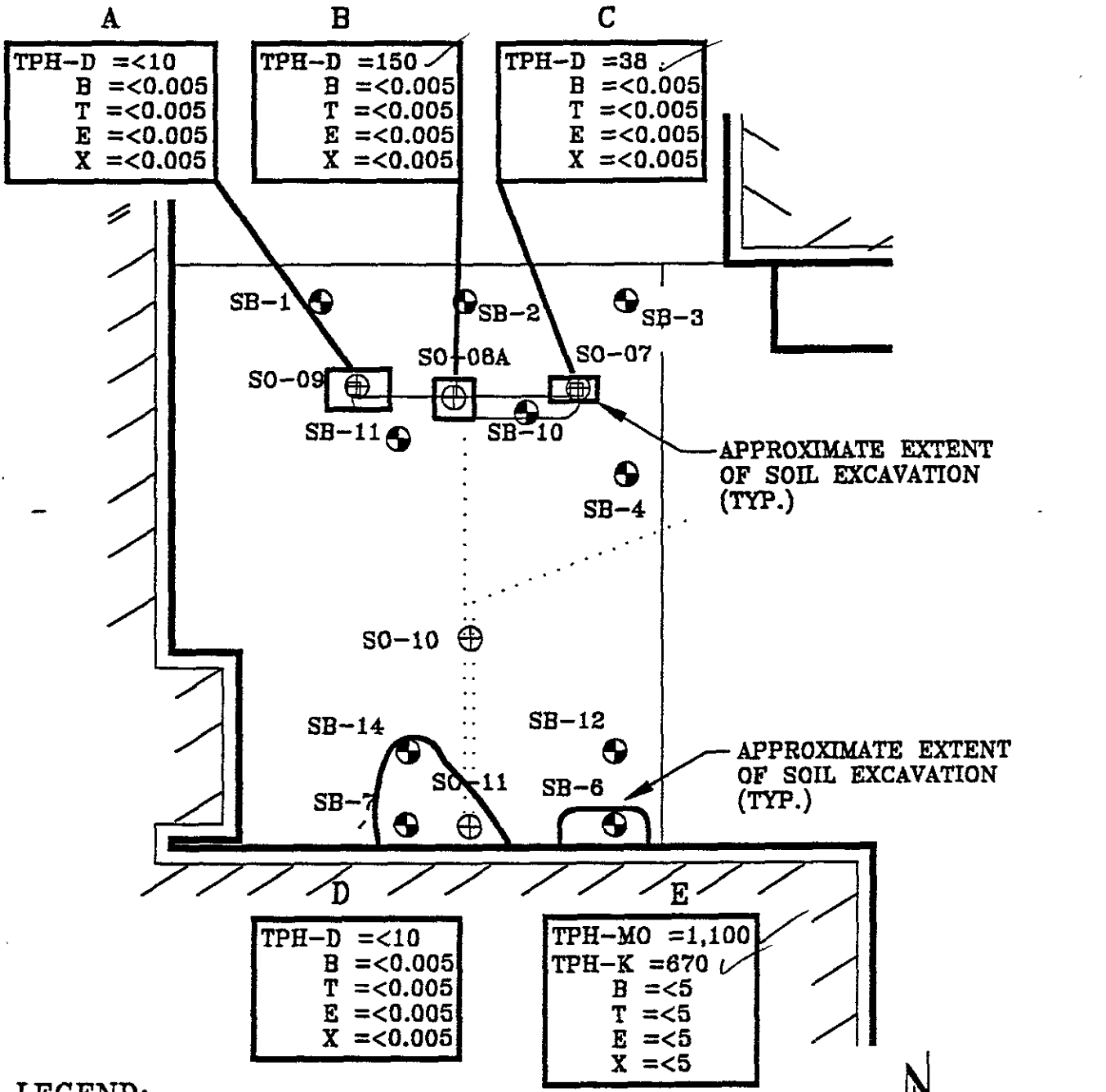
4.1 Soil Excavation Procedures

The soil excavation activities were conducted by Kroeker, Inc., of Fresno, California, on January 22, 1994. Field activities included the removal of the concrete pavement and the excavation of soil in the vicinity of the three diesel fuel dispenser vaults (Areas A, B, and C), the diesel fuel regulator (Area D), and the eastern section of the loading dock (Area E). The location of the excavations are presented in Figure 7.

Soil excavation activities were conducted until all visibly stained soil was removed and no petroleum hydrocarbon odor was discernable. Excavation activities conducted in the vicinity of the eastern section of the loading dock were halted at a depth of approximately 3-ft bgs because of the presence of a layer of asphaltic material approximately 1½-ft in thickness. Approximately 30-yd^3 (45-tons) of soil was removed from the site during the excavation activities. The concrete debris and excavated soil was transported as non-hazardous waste to Specialty Crushing, of Emeryville, California, and Port Costa Materials, located in Port Costa, California, respectively, for recycling and re-use as an aggregate material. A copy of the waste manifest, bill of ladings, and the Certificate of Recycling is presented in Appendix K and photo-documentation of the excavation activities are included in Appendix L.

4.2 Soil Sampling Procedures

Soil sampling activities were conducted after soil excavation activities had been completed. Soil samples were typically collected from the bottom of each excavation, however, due to the presence of an asphaltic layer in the excavation located near the eastern section of the loading dock, Ms. Eberle of the ACHCSA requested that a soil sample be collected at a depth of approximately 1-ft bgs. Soil sampling locations were selected based on OVM readings and instructions from Ms. Jenifer Eberle. All soil samples were collected using disposable sampling equipment, placed in brass sampling sleeves, capped with teflon



LEGEND:

- SOIL SAMPLE LOCATIONS OF SEPTEMBER,1993.
- SOIL SAMPLE LOCATIONS OF AUGUST,1993 SAMPLING
- APPROXIMATE EXTENT OF SOIL EXCAVATION

NOTE:

ALL CONCENTRATIONS IN mg/Kg

N

0 20 40

SCALE: 1" =20'

CHEMICAL ANALYSES SOIL EXCAVATION ACTIVITIES

RMT INC.

DWN. BY:	RAS
DATE:	FEB., 1994
PROJ.#	12013.11
FILE #	1107

FIGURE 7

lined plastic lids, sealed, and stored on ice pending shipment to a California certified independent laboratory following standard chain-of-custody procedures. All sampling activities were conducted under the supervision of Ms. Jennifer Eberle of the ACHCSA. A site plan showing the soil sampling locations is presented in Figure 7. The approximate size of each excavation is summarized in Table 4.

TABLE 4

Excavation Area Dimensions and Sampling Depths

Excavation Area (See Figure 7)	Approximate Excavation Dimensions
A - Diesel Fuel Dispenser Vault	8-ft x 5-ft x 9.5-ft deep
B - Diesel Fuel Dispenser Vault	4-ft x 5-ft x 8.0-ft deep
C - Diesel Fuel Dispenser Vault	3-ft x 6-ft x 8.0-ft deep
D - Diesel Fuel Regulator	10-ft x 12-ft x 9.0-ft deep
E - Eastern Section of Loading Dock	5-ft x 6-ft x 3.0-ft deep

4.3 Chemical Analyses of Soil

Soil samples collected from the floor of the excavations were analyzed for the presence of TPH-D and BTEX using EPA SW-846 Method 8015M and Method 8020, respectively. The results of the chemical analyses performed on the soil samples are presented in Table 5 and Figure 7. A copy of the laboratory report is presented in Appendix M.

TABLE 5

Chemical Analyses - Soil Excavation Activities

Sample Location	Sample Depth (ft bgs)	Parameter (mg/kg)				
		TPH-D	Benzene	Toluene	Ethylbenzene	Xylene
A-1	9.5	<10	<0.005	<0.005	<0.005	<0.005
B-1	8.0	150	<0.005	<0.005	<0.005	<0.005
C-1	8.0	38	<0.005	<0.005	<0.005	<0.005
D-1	9.0	<10	<0.005	<0.005	<0.005	<0.005
E-1	1.0 3.0	<10[a]	<0.500[b]	<0.500[b]	<0.500[b]	<0.500[b]

a - Hydrocarbon pattern not indicative of diesel fuel. The presence of TPH as kerosene (TPH-K) and TPH as motor oil (TPH-MO) were identified at concentrations of 670-mg/kg and 1,100-mg/kg, respectively.
b - Raised detection limit due to high concentration of non-target hydrocarbons in sample.

4.4 Excavation Backfill and Surface Restoration

Following soil sample collection, the excavations were backfilled with imported fill material, placed in 12-14" lifts and compacted to approximately 95% compaction. The surface was repaved with 6" thick concrete pavement reinforced with #4 rebar placed at 12" on center.

Section 5
UNDERGROUND STORAGE TANK CLOSURE

5.1 Summary of Results

The 5,000-gallon gasoline storage tank and the 12,000-gallon diesel fuel storage tank were formerly located south of the Mop Oil Building and the 10,000-gallon mop oil tank was formerly located north of the Mop Oil Building. All three tanks were located along the eastern property boundary and were removed on July 27, 1993, in compliance with ACHCSA and City of Oakland regulations and permits.

Yes!

Gasoline and Diesel Fuel Tanks. No signs of impact damage, holes, pitting, or corrosion were apparent and the gasoline and diesel fuel storage tanks appeared structurally sound. No visible evidence of petroleum contamination was encountered in the soil surrounding the gasoline and diesel fuel storage tank or product piping; however, evidence of a diesel fuel release was noted in the vicinity of the diesel fuel dispenser vaults and diesel fuel regulator. The results of chemical analyses performed on soil samples collected from the south and north end of the floor of both the gasoline tank excavation and the diesel fuel excavation did not identify the presence of TPH-G, TPH-D, BTEX, and organic lead.

Approximately 100 yd^3 of soil were removed from the gasoline and diesel fuel tank excavation areas during the tank removal activities. The results of chemical analyses performed on composite samples of the soil removed from the gasoline and diesel fuel storage tank excavation did not identify the presence of BTEX or TPH-G above method *detection limits, therefore, the soil was returned to excavation as backfill.*

Additional soil sampling activities were conducted in the vicinity of the diesel fuel dispenser vaults, diesel fuel regulator, and eastern section of the loading dock to determine the extent of diesel fuel-impacted soil. Based on the results of the soil sampling activities, soil excavation activities were conducted in January 1994. Soil excavation activities were conducted until all visibly stained soil was removed and no petroleum hydrocarbon odor was discernable. Approximately 30-yd^3 of soil was removed for the area surrounding the three diesel fuel dispenser vaults (Areas A, B, and C), the diesel fuel regulator (Area D), and the eastern section of the loading dock (Area E).

The results of the chemical analyses performed on the soil samples collected form the floor of diesel fuel dispenser vault excavation (Area A), the diesel fuel regulator (Area D), and the eastern section of the loading dock did not identify the presence of TPH-D or BTEX at concentrations above the method detection limit. The results of chemical analyses performed on soil samples collected from the floor of the diesel fuel dispenser vault excavations Areas B and C, identified the presence of TPH-D at concentrations of 150-mg/kg and 38-mg/kg.

The results of chemical analyses performed on soil samples collected from the excavation located near the eastern section of the loading dock identified the presence of TPH-K and TPH-MO at concentrations of 670-mg/kg and 1,100-mg/kg, respectively.

Mop Oil Tank. No signs of impact damage, or holes were apparent and although some pitting and corrosion were observed the mop oil storage tank appeared structurally sound. Visible evidence of a mop oil release was encountered in the soil surrounding the mop oil tank. The results of laboratory analyses performed on soil samples collected from the floor of the excavation did not reveal the presence of petroleum hydrocarbons above the method detection limit.

The results of chemical analyses performed on composite samples of the soil removed from the mop oil storage tank excavation identified the presence of TPH using EPA SW-846 Method 418.1 at concentrations of ranging from 110 to 290-mg/kg.

5.2 Request for Site Closure - Diesel Fuel and Gasoline Storage Tank Area

The results of chemical analyses performed on soil samples collected from the south and north end of the floor of both the gasoline tank and diesel fuel tank excavations, diesel fuel dispenser vault excavation (Area A), the diesel fuel regulator excavation (Area D), and the excavation located near the eastern section of the loading dock did not identify the presence of TPH-G, TPH-D, or BTEX. In addition, no signs of impact damage, holes, pitting, or corrosion were apparent during tank removal activities, no evidence of petroleum contamination was observed in the overburden soil or soil surrounding the associated tank piping, and the tanks appeared structurally sound.

Although the results of the chemical analyses performed on the soil samples collected from the diesel fuel dispenser vault excavations Area B and Area C identified the presence of TPH-D at concentrations of 150-mg/kg and 38-mg/kg, respectively, the results of chemical analyses performed on soil samples SBS collected in close proximity to the former diesel fuel vaults did not identified the presence of TPH-D or BTEX. In addition, the bulk of the petroleum hydrocarbon-impacted soil has been removed.

The results of chemical analyses performed on soil samples collected from the excavation located near the eastern section of the loading dock did not identify the presence of TPH-D, or BTEX. The results did identify the presence of TPH-K (670-mg/kg) and TPH-MO (1,100-mg/kg), however, it is likely that the presence of TPH-K and TPH-MO is due to the presence of asphaltic material approximately 1½-ft in thickness located at a depth of approximately 1½-ft bgs. Based on the results of the chemical analyses and the findings presented above, it is requested that this area be closed in accordance with ACHCSA regulations.

5.3 Request for Site Closure - Mop Oil Tank Area

Visible evidence of a mop oil release was encountered in the soil surrounding the mop oil tank during tank removal activities, however, the results of chemical analyses performed on soil samples collected from the floor of the excavation did not reveal the presence of petroleum hydrocarbons above the method detection limit. The results of chemical analyses performed on composite samples of the soil removed from the excavation identified the presence of TPH using EPA SW-846 Method 418.1 at concentrations ranging from 110 to 290 mg/kg. Mop oil consists of highly refined base oil which the International Agency for Research on Cancer (IARC) classifies as having no evidence of carcinogenic potential and is not expected to present any environmental problems. Significant inaccuracies are associated with EPA SW-846 Method 418.1 when determining total petroleum hydrocarbon concentrations, therefore, based on the results of the chemical analyses and the information presented above, it is requested that the mop oil underground storage tank area be closed in accordance with ACHCSA regulations.

APPENDIX A
TANK REMOVAL PERMITS

PARADISO CONSTRUCTION
GENERAL & PETROLEUM CONTRACTORS

2600 WILLIAMS ST. P.O. BOX 1836
SAN LEANDRO, CA 94577
(510)614-8390 FAX (510)614-8396
CONTRACTORS LICENSE #259820

RECEIVED
AUG 20 1993

LETTER OF TRANSMITTAL

DATE 8/18/93	JOB NO. 819
ATTENTION TOM DAVIS	
RE: ARATEX SERVICES, INC.	
330 CHESTNUT ST.	
OAKLAND	

TO R.M.T., INC.
3250 OCEAN PARK BLVD., SUITE 370
SANTA MONICA, CA 90405

WE ARE SENDING YOU ☑ Attached ☐ Under Separate Cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of Letter ☐ Change Order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1	7/23/93		ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY APPROVED UNDERGROUND TANK CLOSURE PLAN
1	7/26/93		CITY OF OAKLAND FIRE DEPARTMENT PERMIT TO EXCAVATE AND INSTALL, REPAIR, OR REMOVE INFLAMMABLE LIQUID TANKS

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☐ For your use ☐ Approved as noted ☐ Submit ____ copies for distribution

☑ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____, 19___ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO _____

SIGNED: Cheri Gill

Cheri Gill

Sent for Expert Comments on p.5

See comments

7-23-93

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
80 Swan Way, Suite 200
Oakland, CA 94621
Telephone: (510) 271-4320

These closure/removal plans have been received and found to be acceptable and in generally 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 attached permit 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 inspection: *

_____ Removal of Tank(s) and Piping
_____ Sampling
_____ Final Inspection

Issuance of all permit to operate; b) permanent site 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:

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name ARATEX Services, Inc.

   Business Owner ARATEX Services, Inc.

2. Site Address 330 Chestnut St.

   City Oakland Zip 94607 Phone 510-835-9285

3. Mailing Address 330 Chestnut St.

   City Oakland Zip 94607 Phone 510-835-9285

4. Land Owner ARATEX Services, Inc.

   Address 1827 Walden Office Sq., Suite 200 City, State Schaumburg, IL Zip 60143

5. Generator name under which tank will be manifested

   ARATEX Services, Inc.

   EPA I.D. No. under which tank will be manifested CAD 980814248

6. Contractor Paradiso Construction Co.

Address 2600 Williams St.

City San Leandro Phone 510-614-8390

License Type* A, B, C-8, C10, C61/D23 & HAZ ID# 259820

*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 R.M.T., Inc.

Address 3250 Ocean Park Blvd., Suite 370

City Santa Monica, CA 90405 Phone 310-452-5078

8. Contact Person for Investigation

Name Tom Davis Title Environmental Consultant

Phone 310-452-5078

9. Number of tanks being closed under this plan 3

Length of piping being removed under this plan approx. 120 feet

Total number of tanks at facility 3

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. CAD009466392

Hauler License No. 019 License Exp. Date 5/31/94

Address 255 Parr Blvd.

City Richmond State CA Zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site

Name Gibson Pilot EPA I.D. No. CAD043260702

Address 475 Seaport Blvd.

City Redwood City State CA Zip 94604

c) Tank and Piping Transporter

Name Erickson, Inc. EPA I.D. No. CAD009466392

Hauler License No. 019 License Exp. Date 5/31/94

Address 255 Parr Blvd.

City Richmond State CA Zip 94801

d) Tank and Piping Disposal Site

Name Erickson, Inc. EPA I.D. No. CAD009466392

Address 255 Parr Blvd.

City Richmond State CA Zip 94801

11. Experienced Sample Collector

Name Tom Davis

Company R.M.T., Inc.

Address 3250 Ocean Park Blvd., Suite 370

City Santa Monica State CA Zip 90405 Phone 310-452-5078

12. Laboratory

Name Gtel Environmental Lab, Inc.

Address 4080 Pike Lane

City Concord State CA Zip 94520

State Certification No. E1074

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

50 lbs. of dry ice per 1000 gallons of tank capacity

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 (415-771-6000), 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)		
10,000 Gallon 12,000 Gallon 10,000 Gallon	Mop Oil Tank (Mineral Oil) Diesel Tank Regular Unleaded Tank Date of installation on all tanks are unknown, last day of use was July 1, 1993.	Soil samples of undisturbed natural material beneath the excavation. And ground water if encountered.	One soil sample beneath the tank at a maximum of 2 feet below the native soil/backfill interface. One soil sample beneath the piping at a maximum of 2 feet below the native soil/backfill interface where it connects to the pump/day tank. One soil sample for every 20 linear feet of product piping. Soil samples will be taken beneath any suspected leak site or stained soil.

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) 100 Yards	Sampling Plan Composite stockpile plan. One (1) sample per 50 cubic yards. if soil is offhauled

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.

Containment Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
TPH-G	5030		1.0
TPH-D	3550		1.0
BTX&E	8020		0.005
~~O&G~~	~~5520~~		50.0
~~TPH & BTX&E~~	~~8260~~		
map oil: TPHscreen O+G	5030/8015 ~~5520~~ 418.1		

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

18. Submit Worker's Compensation Certificate copy

Name of Insurer Republic Indemnity Co. of America

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) Robert S. Corsun

Signature

Date July 21, 1993

Signature of Site Owner or Operator

Name (please type) Bryant Burnette - General Manager

Signature

Date July 21, 1993

CITY OF OAKLAND

Tank Permit

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks. No. 9723

Oakland, California, July 26, 19 93

PERMISSION IS HEREBY GRANTED TO install~~x~~ remove ~~xxpair~~ Gasoline tank and excavate commencing ____ feet inside property line

on the east side of Chestnut Street Avenue 100 feet south of 5th Street Street Avenue

House No. 330 Chestnut Street Street Avenue Present Storage ____

Owner Aratex Services, Inc. Address 330 Chestnut Street Phone 835-9285

Applicant Paradiso Construction Company Address 2600 Williams St. San Leandro 94577 Phone 614-8390

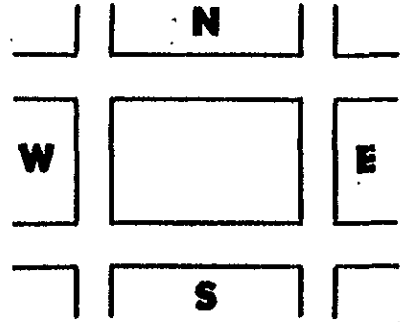
Dimensions of street (sidewalk) surface to be disturbed ____ X ____ Number of Tanks 2 / 1 Capacity 10,000 / 12,000 Gallons, each.

Remarks: ____

This Permit is granted in accordance with existing City Ordinances.
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.
When installing, removing or repairing tanks, no open flame to be on or near premises.

Approved ____
Fire Marshal

Approved ____
Drainage Division Engineering Dept.



EXCAVATING PERMIT

Issued in accordance with Ord. No. 278 CMS, Sec. 6-2.04

____ square feet of digging or removal granted.

The receipt of $____ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

BUREAU OF PERMITS AND LICENSES.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on ____ 19____

By ____
Fire Marshal

Inspection Fee Paid . . . . . $ 160.00 ck#29904 rec#685773

Received by G. Johnson
FIRE PREVENTION BUREAU

NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

When ready for inspection notify Fire Prevention Bureau, 273-3851

THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.

SSG-68 (6-67)

APPENDIX B
HAZARDOUS WASTE DISPOSAL MANIFEST

Form designed for use on elite (12-pitch) typewriter

Department of Toxic Substances Co
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD981014348 — Manifest Document No. 010001 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
ARATEX
330 CHESTNUT ST OAKLAND, CA

4. Generator's Phone 510 835-9285

A. State Manifest Document Number: 93231206

B. State Generator's ID:

5. Transporter 1 Company Name: Erickson, Inc.

6. US EPA ID Number: CAD009466392

C. State Transporter's ID: IL 402943

D. Transporter's Phone: (510) 235-1393

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
Gibson Oil/Pilot Petroleum
475 Sea Port Blvd. 94063
Redwood City, Ca. ~~94604~~

10. US EPA ID Number: CAD043260702

G. State Facility's ID: CAD043210792

H. Facility's Phone: (415) 368-5511

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 No.
a. RQ Hazardous Waste Liquids NOS ORM E NA9189 D018	0101	TT	00400	G	State 229 EPA/Other D018
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above: Hydrocarbon Mixture With Water (99% Water, 1% Hydrocarbons) 600 3091

K. Handling Codes for Wastes Listed Above: a. T01 b. c. d.

15. Special Handling Instructions and Additional Information
Gibson Oil Waste Stream Profile # ERG 31
24 Hr. Contact Paul Paradise 24 Hr. Phone# (510) 614 8390

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws

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: Albert R. Garcia. Signature: Albert R Garcia Month 07 Day 28 Year 93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Micheal Davenport Signature: Micheal Davenport Month 07 Day 28 Year 93

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year

FACILITY

19 Discrepancy Indication Space

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name: Albert R. Garcia. Signature: Albert R Garcia Month 07 Day 28 Year 93

KENNETH RICKARD DO NOT WRITE BELOW THIS LINE.

GENERATOR

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

DTSC 8022A (7/92)
EPA 8700—22

White To TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS
P O Box 3000, Sacramento, CA 95812

APPENDIX C
CITY OF OAKLAND INSPECTION REPORTS
DRY ICE RECEIPTS

CITY OF OAKLAND
REPORT OF FIRE INSPECTION

ENGINE CO. 211

ADDRESS 330 CHESTNUT ST.

NAME ARATEX SERVICES

GENERAL INSPECTION ☑ PERMIT OTHER ☑ HAZARD NOTED ☐ HAZARD ABATED ☐

NOTICE LEFT LETTER ☑ 1st NOTICE 2nd NOTICE FINAL

DATE	VIOLATION	O.F.C.	CONTACTED
7-29-93	OBSERVED REMOVAL OF		BRYAN GRIGSBY
	10,000 GAL "MOP OIL" TANK		R.M.T.
	LEL @ 0 % OXY @ 21 %		
	NO LEAKS OBSERVED OK!		

A REINSPECTION WILL BE MADE WITHIN 2 DAYS.

#2

FIRE PREVENTION BUREAU PHONE 273-3851

338-5 (Rev. 5-77)

INSPECTOR [signature]

CITY OF OAKLAND
REPORT OF FIRE INSPECTION

ENGINE CO. 211

ADDRESS 330 CHESTNUT ST.

NAME ARATEX SERVICES

GENERAL INSPECTION ☑ PERMIT OTHER ☑ HAZARD NOTED ☐ HAZARD ABATED ☐

NOTICE LEFT LETTER ☐ 1st NOTICE 2nd NOTICE FINAL

DATE	VIOLATION	O.F.C.	CONTACTED
7-29-93	OBSERVED REMOVAL OF		BRYAN GRIGSBY
	ONE 5,000 (GASOLINE) & ONE 12,000 (DIESEL) GAL		R.M.T.
	TANKS, OK! NO LEAKS OBSERVED		
	5,000 LEL @ 8% OXY @ 10%		
	12,000 LEL @ 5% OXY @ 10%		

A REINSPECTION WILL BE MADE WITHIN 2 DAYS.

#1

FIRE PREVENTION BUREAU PHONE 273-3851

338-5 (Rev. 5-77)

INSPECTOR [signature]

CITY OF OAKLAND
REPORT OF FIRE INSPECTION

ENGINE CO. 211

ADDRESS 330 CHESTNUT ST.

NAME ARATEX SERVICES

GENERAL INSPECTION ☑ PERMIT OTHER ☑ HAZARD NOTED ☐ HAZARD ABATED ☐

NOTICE LEFT LETTER ☑ 1st NOTICE | 2nd NOTICE | FINAL

DATE	VIOLATION	O.F.C.	CONTACTED
7-29-93	OBSERVED REMOVAL OF		BRYAN GRIGSBY
	10,000 GAL "MOP OIL" TANK		R.M.T.
	LEL @ 0 % OXY @ 1 %		
	NO LEAKS OBSERVED OK!		

A REINSPECTION WILL BE MADE WITHIN 2 DAYS.

#2

338-5 (Rev. 5-77)

FIRE PREVENTION BUREAU PHONE 273-3851

INSPECTOR [signature]

CITY OF OAKLAND
REPORT OF FIRE INSPECTION

ENGINE CO. 211

ADDRESS 330 CHESTNUT ST.

NAME ARATEX SERVICES

GENERAL INSPECTION ☑ PERMIT OTHER ☑ HAZARD NOTED ☐ HAZARD ABATED ☐

NOTICE LEFT LETTER ☐ 1st NOTICE | 2nd NOTICE | FINAL

DATE	VIOLATION	O.F.C.	CONTACTED
7-29-93	OBSERVED REMOVAL OF		BRYAN GRIGSBY
	ONE 5,000 (GASOLINE) & ONE 12,000 (DIESEL) GAL		R.M.T.
	TANKS, OK! NO LEAKS OBSERVED		
	5,000 LEL @ 8% OXY @ 10%		
	12,000 LEL @ 5% OXY @ 10%		

A REINSPECTION WILL BE MADE WITHIN 2 DAYS.

#1

338-5 (Rev. 5-77)

FIRE PREVENTION BUREAU PHONE 273-3851

INSPECTOR [signature]

Abel Carbonic

CUSTOMER NUMBER	PURCHASE ORDER NO.	DATE	DELIVERY NUMBER
11806700		7/29/93	1-225997

BY ACCEPTING THIS ORDER, CUSTOMER AGREES TO ALL OF THE TERMS AND CONDITIONS SET FORTH HEREIN, INCLUDING THOSE PRINTED ON THE REVERSE SIDE.

NAME PARADISE DIST

SHIPPED TO

ACCEPTED BY: C Proctor

20 SOLID	21 HALF	22 SLICES	23 ROCKS	24 AIRPORT	29 WET ICE	

UNIT	DESCRIPTION	CODE	POUNDS
1	DRY ICE ORM-A UN1845	22	850
1	JOB # 619.	23	850
			1700

Abel Carbonic

CUSTOMER NUMBER	PURCHASE ORDER NO.	DATE	DELIVERY NUMBER
11806700		7/29/93	1-225997

BY ACCEPTING THIS ORDER, CUSTOMER AGREES TO ALL OF THE TERMS AND CONDITIONS SET FORTH HEREIN, INCLUDING THOSE PRINTED ON THE REVERSE SIDE.

NAME PARADISE CUEST

SHIPPED TO

ACCEPTED BY: C Proctor

20 SOLID	21 HALF	22 SLICES	23 ROCKS	24 AIRPORT	29 WET ICE	

UNIT	DESCRIPTION	CODE	POUNDS
~~15~~ 8	DRY ICE ORM-A UN1845	22	850
~~17~~ 9	JOB # 619	23	850
			1700

APPENDIX D
ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH
INSPECTION REPORTS

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

P. 1 of 2

II,III

Site ID # ____ Site Name Aratex Today's Date 7/29/93

Site Address 330 Chestnut St.

City Oakland Zip 94607 Phone ____

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.? 12,000 gal. diesel

Inspection Categories:
____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials 5,000 gal. gas.
__✓__ III. Underground Tanks removal

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

__	1. Immediate Reporting	2703
__	2. Bus. Plan Stds.	25503(b)
__	3. RR Gas > 30 days	25503.7
__	4. Inventory Information	25504(a)
__	5. Inventory Complete	2730
__	6. Emergency Response	25504(b)
__	7. Training	25504(c)
__	8. Deficiency	25505(a)
__	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

__	10. Registration Form Filed	25533(a)
__	11. Form Complete	25533(b)
__	12. RMPP Contents	25534(c)
__	13. Implement Sch. Req'd? (Y/N)	____
__	14. OffSite Conseq. Assess.	25524(c)
__	15. Probable Risk Assessment	25534(d)
__	16. Persons Responsible	25534(g)
__	17. Certification	25534(i)
__	18. Exemption Request? (Y/N)	25536(b)
__	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

__	1. Permit Application	25284 (H&S)
__	2. Pipeline Leak Detection	25292 (H&S)
__	3. Records Maintenance	2712
__	4. Release Report	2651
__	5. Closure Plans	2670

Monitoring for Existing Tanks

__ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other ____

__	7. Precis Tank Test Date: ____	2643
__	8. Inventory Rec.	2644
__	9. Soil Testing	2646
__	10. Ground Water	2647

New Tanks

__	11. Monitor Plan	2632
__	12. Access, Secure	2634
__	13. Plans Submit Date: ____	2711
__	14. As Built Date: ____	2635

Rev 6/88

Comments: Dwight Langford of OFD onsite.
Manifest #93231415 for 12000 gal diesel UST + " #93231400 for gas + mop oil USTs
Diesel UST is tar coated + has no apparent holes, just a few rusty areas. Soil is greenish below tank.
Gasoline UST is tar coated + has no apparent holes; minor rust.
Tanks hauled by Erickson.
Depth to tank inverts is ~11' bgs.
Mop oil UST is tar coated + has no apparent holes, but some deep pitting in one area on the bottom. There is a small amt of gw in pit. Sample SO-01 + SO-02 taken from bottom at ~14' bgs. Soil below tank is sandy w/some greenish discoloration.
Mop oil SP is ~75-100 yd³. This pit will remain open until results are back.

II, III

Contact: Bryan Grigsby - RMT
Title: Project Manager
Signature: [signature]

Inspector: Jennifer Eberle
Signature: [signature]

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

p. 2 of 2

II, III

Site ID # ____ Site Name Aratex Today's Date 7/29/93

Site Address 330 Chestnut St.

City Oakland Zip 94607 Phone ____

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:
- ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ____ II. Business Plans, Acute Hazardous Materials
- ✓ III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

__	1. Immediate Reporting	2703
__	2. Bus. Plan Stds.	25503(b)
__	3. RR Cars > 30 days	25503.7
__	4. Inventory Information	25504(a)
__	5. Inventory Complete	2730
__	6. Emergency Response	25504(b)
__	7. Training	25504(c)
__	8. Deficiency	25505(a)
__	9. Modification	25505(b)

II.B ACUTELY HAZ. MATLS

__	10. Registration Form Filed	25533(a)
__	11. Form Complete	25533(b)
__	12. RMPP Contents	25534(c)
__	13. Implement Sch. Req'd? (Y/N)	____
__	14. OffSite Conseq. Assess.	25524(c)
__	15. Probable Risk Assessment	25534(d)
__	16. Persons Responsible	25534(g)
__	17. Certification	25534(f)
__	18. Exemption Request? (Y/N)	25536(b)
__	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

__	1. Permit Application	25284 (H&S)
__	2. Pipeline Leak Detection	25292 (H&S)
__	3. Records Maintenance	2712
__	4. Release Report	2651
__	5. Closure Plans	2670

Monitoring for Existing Tanks

__ 6. Method
- 1) Monthly Test
- 2) Daily Vadose
  - Semi-annual gndwater
  - One time soils
- 3) Daily Vadose
  - One time soils
  - Annual tank test
- 4) Monthly Gndwater
  - One time soils
- 5) Daily Inventory
  - Annual tank testing
  - Cont pipe leak det
  - Vadose/gndwater mon.
- 6) Daily Inventory
  - Annual tank testing
  - Cont pipe leak det
- 7) Weekly Tank Gauge
  - Annual tank tstng
- 8) Annual Tank Testing
  - Daily Inventory
- 9) Other ____

__	7. Precis Tank Test Date: ____	2643
__	8. Inventory Rec.	2644
__	9. Soil Testing.	2646
__	10. Ground Water.	2647

New Tanks

__	11. Monitor Plan	2632
__	12. Access. Secure	2634
__	13. Plans Submit Date: ____	2711
__	14. As Built Date: ____	2635

Rev 6/88

Comments:

Diesel tank: soil samples taken below UST at ~12.5' bgs into sandy soil. Samples SO-03 + SO-04

Gas tank: soil samples taken below UST ~~at ~11.5' bgs~~ (tank invert was ~10'). Samples SO-05 + SO-06. Soil is sandy. SO05 at ~11.5' + SO06 at ~13'

Glass jars w/teflon seals were used in place of brass sleeves. No HC odor in any of the soil collected.

SP for diesel/gas USTs is ~100 yd^3 + will be sampled 4 pt. composite every 20 yd^3 because they intend to use it as backfill

II, III

Contact: Bryan Grigsby - RMT

Title: Project Manager

Signature: [signature]

Inspector: Jennifer Eberle

Signature: [signature]

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

II,III

Site ID # ____ Site Name Aratex Today's Date 12/2/93

Site Address 250 Chestnut St.

City Oakland Zip 94607 Phone ____

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:
- ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ____ II. Business Plans, Acute Hazardous Materials
- X III. Underground Tanks

Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

__	1. Immediate Reporting	2703
__	2. Bus. Plan Stds.	25503(b)
__	3. RR Cars > 30 days	25503.7
__	4. Inventory Information	25504(a)
__	5. Inventory Complete	2730
__	6. Emergency Response	25504(b)
__	7. Training	25504(c)
__	8. Deficiency	25505(a)
__	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

__	10. Registration Form Filed	25533(a)
__	11. Forft Complete	25533(b)
__	12. RMPP Contents	25534(c)
__	13. Implement Sch. Req'd? (Y/N)	____
__	14. OffSite Conseq. Assess.	25524(c)
__	15. Probable Risk Assessment	25534(d)
__	16. Persons Responsible	25534(g)
__	17. Certification	25534(i)
__	18. Exemption Request? (Y/N)	25536(b)
__	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

__	1. Permit Application	25284 (H&S)
__	2. Pipeline Leak Detection	25292 (H&S)
__	3. Records Maintenance	2712
__	4. Release Report	2651
__	5. Closure Plans	2670

Monitoring for Existing Tanks

__ 6. Method
- 1) Monthly Test
- 2) Daily Vadose
  Semi-annual gndwater
  One time soils
- 3) Daily Vadose
  One time soils
  Annual tank test
- 4) Monthly Gndwater
  One time soils
- 5) Daily Inventory
  Annual tank testing
  Cont pipe leak det
  Vadose/gndwater mon.
- 6) Daily Inventory
  Annual tank testing
  Cont pipe leak det
- 7) Weekly Tank Gauge
  Annual tank tstng
- 8) Annual Tank Testing (4)
  Daily Inventory
- 9) Other ____

__	7. Precis Tank Test Date: ____	2643
__	8. Inventory Rec.	2644
__	9. Soil Testing	2646
__	10 Ground Water	2647

New Tanks

__	11 Monitor Plan	2632
__	12. Access Secure	2634
__	13. Plans Submit Date: ____	2711
__	14. As Built Date ____	2635

Rev 8/88

Comments:

Stockpile for gas + diesel UST's was sampled yesterday. It was backfilled into pit because RP needs truck access. Piping still needs to be removed.

Took soil samples below remote fuel line pits: SO-07 taken at ~4-5' bgs. (Dark black-stained soil in this pit).

SO-08 taken at ~5.5' bgs (stained soil).

SO-11 taken @ under meter stand (at end of dispenser and the lines were washed out prior to removal of tanks).

SO-09 taken at ~4' bgs from stained (+ odorous) soil from side wall below piping. SO-10 taken from below elbow of piping at ~2' bgs. (Soil not stained).

Stockpile soil to be disposed of properly + will be sampled. Water samples that were taken will be analyzed for TPH-d + BTEX.

II, III

Contact: BRYAN GEIGER

Title: PROJECT MGR - RMT

Signature: [signature]

Inspector: Jennifer Clark

Signature: [signature]

APPENDIX E

TANK DISPOSAL MANIFESTS AND DESTRUCTION CERTIFICATIONS

DAY OR NIGHT TELEPHONE (510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 17148

CUSTOMER PARADISO

JOB NO. 82248

FOR: Erickson, Inc. TANK NO. 11740

LOCATION: Richmond DATE: 08/03/93 TIME: 07:28:15

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 10000 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."

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.

DAVE SATO — KA

REPRESENTATIVE TITLE INSPECTOR

CP599

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 17129

CUSTOMER PARADISO

JOB NO. 82248

FOR: Erickson, Inc. TANK NO. 11741

LOCATION: Richmond DATE: 07/31/93 TIME: 07:32:19

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT UG

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 5000 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."

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.

DAVE SATO | | KA

REPRESENTATIVE | TITLE | INSPECTOR

CP5995

DAY OR NIGHT TELEPHONE (510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 17128

CUSTOMER PARADISO

JOB NO. 82248

FOR: Erickson, Inc. TANK NO. 11739

LOCATION: Richmond DATE: 07/31/93 TIME: 07:32:19

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT D

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 12000 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."

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.

REPRESENTATIVE	TITLE	INSPECTOR
[signature]		KA

CP595

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD981814248	Manifest Document No. 81248	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ARATEX SERVICES INC.
330 CHESTNUT ST.
OAKLAND CA. 94607
4. Generator's Phone (510) 835-9285

[illegible]

5. Transporter 1 Company Name: ERICKSON INC.
6. US EPA ID Number: CAD009466392

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
Erickson, Inc.
255 Parr Blvd.
Richmond, Ca. 94801
10. US EPA ID Number: CAD009466392

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid. diesel	001	TP	12000	P
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above
Qty. 1 Empty Storage Tank(s) [illegible] Tank(s) Have Been [illegible] With [illegible] Dry Ice Per 1000 Gallon Capacity.

K. Handling Codes for Wastes Listed Above [illegible]

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around U.G.S.T.'s 24 Hr. Contact Name [illegible] & Phone [illegible]

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the 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 federal, state and international laws.

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
Albert R. Garcia	[signature]	07	[illegible]	93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JOHN DOUGLASS	John Douglass	07	29	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

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

DO NOT WRITE BELOW THIS LINE.

State of California—Environmental Protection Agency
Form Approved; OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD981814248 Manifest Document No. 82241B

2. Page 1 of 1

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

3. Generator's Name and Mailing Address
HRATEX SERVICES INC,
330 CHESTNUT ST
OAKLAND CA. 94607
4. Generator's Phone 510 835 9285

[redacted] 93400

5. Transporter 1 Company Name
ERICKSON INC,
6. US EPA ID Number
CAD009141663912

[redacted]

7. Transporter 2 Company Name
8. US EPA ID Number

[redacted]

9. Designated Facility Name and Site Address
Erickson, Inc.
255 Parr Blvd.
Richmond, Ca. 94801
10. US EPA ID Number
CAD009146391 2

[redacted] (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	[redacted]
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid. 10K mop oil + 5K gas	02	TF	15000	P	[redacted]
b.					[redacted]
c.					[redacted]
d.					[redacted]

[redacted]

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around U.G.S.T.'s 24 Hr. Contact Name [illegible] & Phone [illegible]

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the 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 federal, state and international laws.

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
Elliot R Gross	[signature]	07	29	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
ALFRED DAVIS	Alfred Davis	07	29	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

DO NOT WRITE BELOW THIS LINE.

GENERATOR

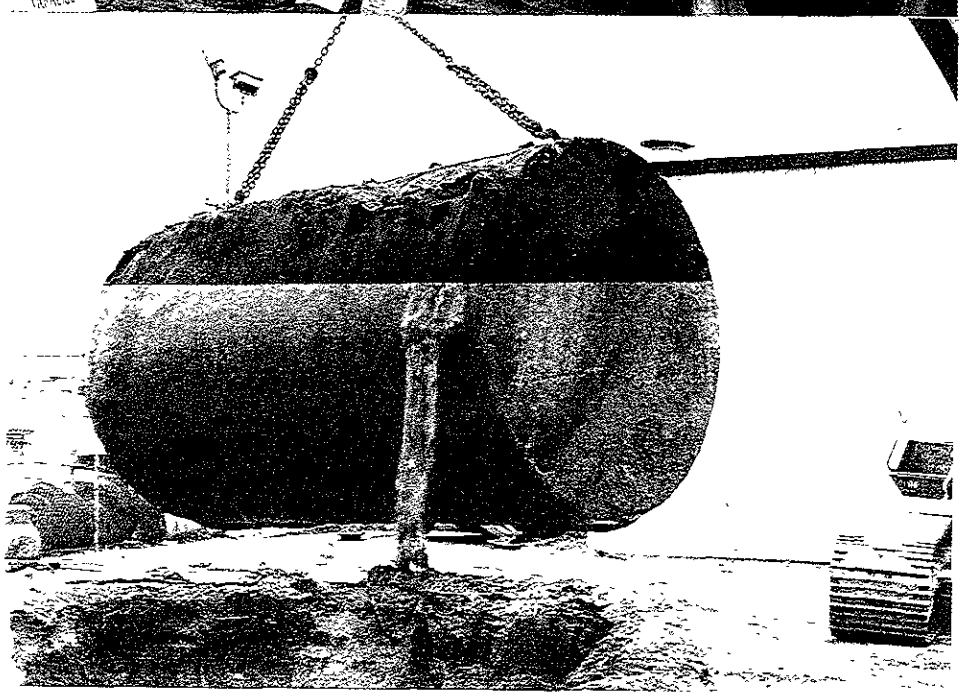
IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

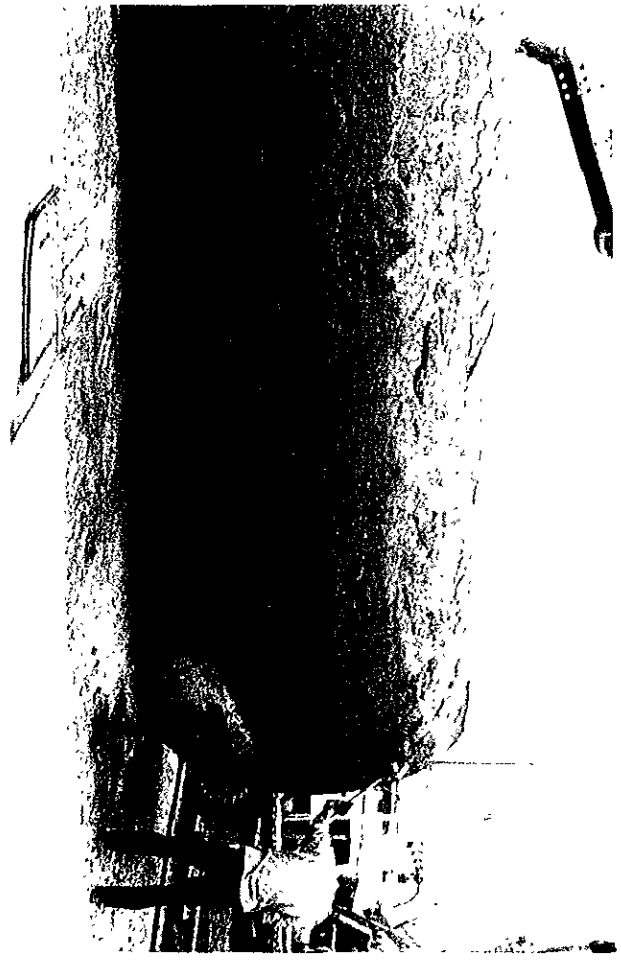
DTSC 8022A (7/92)
EPA 8700—22

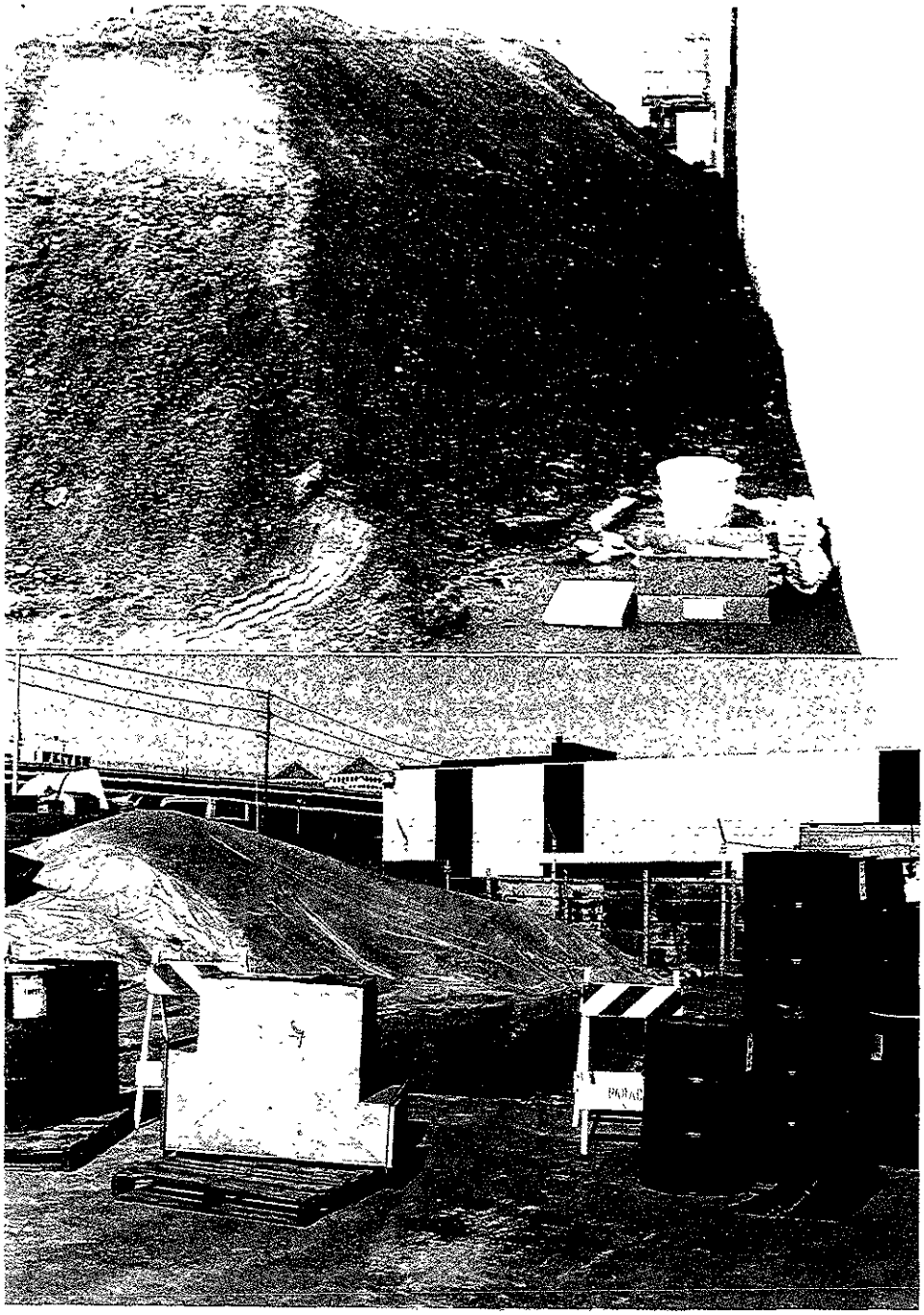
[illegible] GENERATOR RETAINS

APPENDIX F

PHOTO-DOCUMENTATION OF TANK REMOVAL ACTIVITIES







APPENDIX G

MATERIAL SAFETY AND DATA SHEET - MOP OIL

Material Safety Data Sheet

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200).
(Formerly Called MATERIAL INFORMATION BULLETIN)

CHEVRON Utility Oil 22

CPS 231200

A HAZARD WARNING STATEMENT IS NOT REQUIRED FOR THIS PRODUCT UNDER OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

TYPICAL COMPOSITION

Highly refined base oil (CAS 64741-96-4/64742-52-5)	100%

EXPOSURE STANDARD

The Federal OSHA exposure standard and the ACGIH (1986-87) TLV for mineral oil mists is 5 mg/m^3 for a daily 8-hour exposure.

PHYSIOLOGICAL & HEALTH EFFECTS	EMERGENCY & FIRST AID PROCEDURES
Eyes	
Expected to cause no more than minor eye irritation.	Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. If irritation persists, see a doctor.
Skin	
Expected to cause no more than minor skin irritation following prolonged or frequently repeated contact.	Wash skin thoroughly with soap and water. Launder contaminated clothing.
Inhalation	
Not expected to be acutely toxic by inhalation. Breathing mineral oil mist at concentrations in air that exceed the Federal OSHA exposure standard can cause respiratory irritation or discomfort. See Additional Health Data.	If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues.
Ingestion	
Not expected to be acutely toxic by ingestion.	If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

ADDITIONAL HEALTH DATA

Signs and symptoms of respiratory tract irritation may include, but may not be limited to, one or more of the following, depending on concentration and length of exposure: nasal discharge, sore throat, coughing, bronchitis, pulmonary edema and difficulty in breathing.

This product contains a base oil which the International Agency for Research on Cancer (IARC) classifies as having no evidence of carcinogenic potential.

SPECIAL PROTECTIVE INFORMATION

Eye Protection: No special eye protection is necessary.
Skin Protection: No special skin protection is necessary.
Respiratory Protection: No special respiratory protection is normally required. However, if operating conditions create airborne concentrations which exceed the exposure standard, the use of an approved respirator is recommended.
Ventilation: Use adequate ventilation to keep the airborne concentrations of this material below the Federal OSHA exposure standard.

FIRE PROTECTION

Flash Point: (COC)320°F(160°C)
Autoignition Temp.: NDA
Flammability Limits: n/a
Extinguishing Media: CO_2, Dry Chemical, Foam, Alcohol-type Foam, Water Fog.
Special Fire Fighting Procedures: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire MSDS.

SPECIAL PRECAUTIONS

DO NOT weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently.

CAUTION! Do not use pressure to empty drum or explosion may result.

ENVIRONMENTAL PROTECTION

Environmental Impact: This material is not expected to present any environmental problems other than those associated with oil spills.
Precautions if Material is Released or Spilled: Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.
Waste Disposal Methods: Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

REACTIVITY DATA

Stability (Thermal, Light, etc.): Stable
Incompatibility (Materials to Avoid): May react with strong oxidizing materials.
Hazardous Decomposition Products: Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.
Hazardous Polymerization: Will not occur.

PHYSICAL PROPERTIES

Solubility: Soluble in hydrocarbon solvents; insoluble in water.
Appearance (Color, Odor, etc.): Clear, colorless liquid.
Boiling Point: NDA
Melting Point: n/a
Specific Gravity: 0.89 @ 15.6/15.6°C
Vapor Pressure: n/a
Vapor Density (Air=1): n/a
Percent Volatile (Volume %): n/a
Evaporation: n/a
Pour Point: -48°C (-55°F)
Viscosity: 22 cSt @ 37.8°C

n/a = Not Applicable
NDA = No Data Available

APPENDIX H
LABORATORY REPORTS
TANK REMOVAL ACTIVITIES

GTEL
ENVIRONMENTAL
LABORATORIES, INC.
4080 Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
(800) 423-7143 Outside CA
(510) 825-0720 FAX

Client Number: RMT01RMT01
Consultant Project Number: 12036.01
Project ID: Aratex Services
330 Chestnut
Oakland, CA
Work Order Number: C3-07-0507

August 3, 1993

Jim Van Nortwick
RMT, Inc.
3250 Ocean Park Blvd., Suite 370
Santa Monica, CA 90405

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 07/30/93, under chain of custody records 28299, 28300 and 28301.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Eileen F. Bullen
Laboratory Director

Client Number: RMT01RMT01
Consultant Project Number: 12036.01
Project ID: Aratex Services
330 Chestnut
Oakland, CA
Work Order Number: C3-07-0507

Table 1

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry[1]

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)[2]

GTEL Sample Number		01	02	080293 TPH	
Client Identification		SO-01	SO-02	METHOD BLANK	
Date Sampled		07/29/93	07/29/93	--	
Date Prepared		08/02/93	08/02/93	08/02/93	
Date Analyzed		08/03/93	08/03/93	08/03/93	
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Petroleum Hydrocarbons	5	<5	<5	<5	
Detection Limit Multiplier		1	1	1	
Percent solids		84.3	85.5	NA	

1. The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

NA = Not Applicable

Note: Samples were received at 12° C.

GTEL ENVIRONMENTAL LABORATORIES, INC

Client Number: RMT01RMT01
Consultant Project Number: 12036.01
Project ID: Aratex Services
330 Chestnut
Oakland, CA
Work Order Number: C3-07-0507

Table 1

ANALYTICAL RESULTS

Hydrocarbons in Soil

Method: GC-FID[a]

GTEL Sample Number		01	02	080393 GC-K	
Client Identification		SO-01	SO-02	METHOD BLANK	
Date Sampled		07/28/93	07/29/93	--	
Date Extracted		08/02/93	08/02/93	08/02/93	
Date Analyzed		08/03/93	08/03/93	08/03/93	
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as gasoline	10	<10	<10	<10	
TPH as mineral spirits	10	<10	<10	<10	
TPH as kerosene	10	<10	<10	<10	
TPH as diesel fuel	10	<10	<10	<10	
TPH as motor oil	100	<100	<100	<100	
Detection Limit Multiplier		1	1	1	
Percent solids		84.3	88.5	NA	
O-Terphenyl surrogate, % recovery		102	104	122	

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, USEPA, November, 1986. Results reported on a wet weight basis. O-Terphenyl surrogate acceptability limits are 50-150%.

NA = Not Applicable

Note: Samples were received at 12° C.

GTEL ENVIRONMENTAL LABORATORIES, INC

GTEL ENVIRONMENTAL LABORATORIES, INC

[redacted]80 [redacted] LA[redacted] UIT[redacted]
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

AND ANALYSIS REQUEST 26299

Company Name: RMT Inc
Phone #: 310-452-5078
FAX #:
Company Address: Santa Monica, CA
Site location: Aratex Services 330 Chestnut, Oakland, CA
Project Manager: Jim Van Northwick
Client Project ID: (#) 12036.01
(NAME) Aratex-Oakland UST
I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): Bryan Grigsby

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME
SO-01	01 02 503	4		X									X		7/29/93	2:05
SO-02		4		X									X		7/29	2:20
SO-03	504 05 01	4		X									X		7/29	2:45
SO-04	02 505	4		X									X		7/29	3:00
SO-05	03	3		X									X		7/29	3:10
SO-06	04	3		X									X		7/29	3:20

Field Sample ID	BTEX/602 8020 with MTBE	BTEX/Gas Hydrocarbons PID/FID with MTBE	Hydrocarbons GC/FID Gas Diesel Screen	Hydrocarbon Fingerprinting Screen	Oil and Grease 413.1 413.2 SM 503	TPH/IR 418.1 SM 503	EDB by 504 DBCP by 504	EPA 503.1 EPA 502.2	EPA 601 EPA 8010	EPA 602 EPA 8020	EPA 608 8080 PCB only	EPA 624/PPL 8240/TAL NBS (+15)	EPA 625/PPL 8270/TAL NBS (+25)	EPA 610 8310	EP TOX Metals Pesticides Herbicides	TCLP Metals VOA Semi-VOA Pest Herb	EPA Metals - Priority Pollutant TAL RCRA	CAM Metals TTLC STLC	Lead 239.2 200.7 7420 7421 8010	Organic Lead	Corrosivity Flash Point Reactivity	OTHER
SO-01	X			X		X														<48hr tur	
SO-02	X			X		X														<48hr tur	
SO-03	X		X																		
SO-04	X		X																		
SO-05		X																X			
SO-06		X																X			

TAT
Priority (24 hr) ☐
Expedited (48 hr) ☐
7 Business Days ☐
Other See Above
Business Days ☐

Special Handling
GTEL Contact
Quote/Contract #
Confirmation #
PO #

QA / QC LEVEL
BLUE ☐ CLP ☐ OTHER

SPECIAL DETECTION LIMITS
SEAL INTACT, ON ICE
AT 12C 7/30/93 BFC

SPECIAL REPORTING REQUIREMENTS
FAX ☒

P 1 of 3

REMARKS
Call Tom Davis - RMI for appropriate lead analysis method.
All 10-day TAT except SO-01 & SO-02

Lab Use Only Lot # C3070507-48HR
Storage Location: M-2
Work Order # C3070508-10 DAY

CUSTODY RECORD

Relinquished by Sampler:	Date	Time	Received by:
Bryan Grigsby	7/30/93	12:50PM	Dawn Weber GTEL
Relinquished by: Dawn Weber	7/30/93	14:30	Received by:
Relinquished by:	7/30/93	1430	Received by Laboratory:

Waybill #

Rev. 7/91

GTEL ENVIRONMENTAL LABORATORIES, INC

[redacted] PLEASANT [redacted]
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN OF CUSTODY AND ANALYSIS REQUEST

Company Name: RMT, Inc

Phone #: 310-452-5078

FAX #:

Company Address: Santa Monica, CA

Site location: Aratex Services 330 Chestnut, Oakland, CA

Project Manager: Jim Van Nortwick

Client Project ID: (#) 12036.01

(NAME) Aratex-Oakland UST

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Bryan Grigsby

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME
SO-ST1	05	4		X									X		7/29/93	6:15
SO-ST2	06	4		X									X		7/29	6:30
SO-ST3	07	4		X									X			6:40
SO-ST4	08	4		X									X			6:50
SO-ST5	09	4		X									X			7:05

BTEX/602 ☐ 8020 ☐ with MTBE ☐	BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐	Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☐	Hydrocarbon Profile (SIMDIS) ☐	Oil and Grease 413.1 ☐ 413.2 ☐ SM 503 ☐	TPH/IR 418.1 ☐ SM 503 ☐	EDB by 504 ☐ DBCP by 504 ☐	EPA 503.1 ☐ EPA 502.2 ☐	EPA 601 ☐ EPA 8010 ☐	EPA 602 ☐ EPA 8020 ☐	EPA 608 ☐ 8080 ☐ PCB only ☐	EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐	EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐	EPA 610 ☐ 8310 ☐	EP TOX Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐	EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐	CAM Metals TTLC ☐ STLC ☐	Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐	Organic Lead ☐	Corrosivity ☐ Flash Point ☐ Reactivity ☐	OTHER
	X	X														X	X			
	X	X														X	X			
	X	X														X	X			
	X	X														X	X			
	X	X														X	X			

TAT
- Priority (24 hr) ☐
- Expedited (48 hr) ☐
- 7 Business Days ☐
- Other 10 Day
- Business Days ☐

Special Handling
- GTEL Contact
- Quote/Contract #
- Confirmation #
- PO #

SPECIAL DETECTION LIMITS

REMARKS: Call Tom Davis - RMT for appropriate lead analysis method

SPECIAL REPORTING REQUIREMENTS

FAX

P2 of 3

Lab Use Only Lot #: ON ICE AJ 12°C 7/30/93 (RFC)

Storage Location: M-2

Work Order: C3070508

QA / QC LEVEL

BLUE ☐ CLP ☐ OTHER

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler:	7/30/93	12:55	Received by: John Walsh
Relinquished by: John Walsh	7/30/93	1430	Received by:
Relinquished by:	7/30/93	1430	Received by Laboratory:

Waybill #

Rev 7/91

[redacted] 800 [redacted] 714 [redacted]

Company Name: RMT, Inc

Phone #: 310-[redacted]462-5078

FAX #:

Company Address: Santa Monica, CA

Site location: Aratex Services 330 Chestnut St, Oakland, CA

Project Manager: Jim Von Northwick

Client Project ID: (#) 12036.01

(NAME) Aratex-Oakland UST

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Bryan Grigsby

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME	BTEX/602 ☐ 8020 ☐ with MTBE ☐	BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐	Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☐	Hydrocarbon Profile (SIMDIS) ☐	Oil and Grease 413.1 ☐ 413.2 ☐ SM 503 ☐	TPH/IR 418.1 ☐ SM 503 ☐	EDB by 504 ☐ DBCP by 504 ☐	EPA 503.1 ☐ EPA 502.2 ☐	EPA 601 ☐ EPA 8010 ☐	EPA 602 ☐ EPA 8020 ☐	EPA 608 ☐ 8080 ☐ PCB only ☐	EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐	EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐	EPA 610 ☐ 8310 ☐	EP TOX Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐	EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐	CAM Metals TTLC ☐ STLC ☐	Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐	Organic Lead ☐	Corrosivity ☐	Flash Point ☐	Reactivity ☐
SO-ST6	19	1		X									X		7/30/93	8:45																			X	
SO-ST7		1		X									X		7/30	8:55																			X	

TAT

Priority (24 hr) ☐
Expedited (48 hr) ☐
7 Business Days ☐
Other ☐
Business Days ☐

HOLD UNTIL FURTHER INSTRUCTIONS

Special Handling

GTEL Contact _____
Quote/Contract # _____
Confirmation # _____
PO # _____

QA / QC LEVEL

BLUE ☐ CLP ☐ OTHER _____

SPECIAL DETECTION LIMITS

ON ICE AS 12°C 7/30/93 BEC

SPECIAL REPORTING REQUIREMENTS

FAX ☐

REMARKS

DO NOT ANALYZE. HOLD UNTIL FURTHER INSTRUCTIONS FROM RMT

Lab Use Only Lot # Storage Location: M-2

P 3 of 3

Work Order # C3070508

CUSTODY RECORD

Relinquished by Sampler:	Date	Time	Received by:
	7/30/93	12:55	Dan Weber
Relinquished by:	Date	Time	Received by:
Dan Weber	7/30/93	1430	
Relinquished by:	Date	Time	Received by Laboratory:
	7/30/93	1430	

Waybill #

Rev 7/91

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region
4080 Pike Lane
Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

Client Number: RMT01RMT01
Consultant Project Number: 12036.01
Project ID: Aratex Services
330 Chestnut
Oakland, CA
Work Order Number: C3-07-0508

August 13, 1993

Jim Van Nortwick
RMT Inc.
3250 Ocean Park Blvd
Santa Monica, CA 90405

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 07/30/93, under chain of custody record 28299 and 28300.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Eileen F. Bullen
Laboratory Director

Client Number: RMT01RMT01
Consultant Project Number: 12036.01
Project ID: Aratex Services
330 Chestnut
Oakland, CA
Work Order Number: C3-07-0508

Table 1

ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010[a]

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample preparation by EPA Method 3050.

GTEL Sample Number		03	04	05	06
Client Identification		SO-05	SO-06	SO-ST1	SO-ST2
Date Sampled		07/29/93	07/29/93	07/29/93	07/29/93
Date Prepared		08/06/93	08/06/93	08/06/93	08/06/93
Date Analyzed		08/09/93	08/09/93	08/09/93	08/09/93
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	<5	<5	21	18
Detection Limit Multiplier		1	1	1	1
Percent solids		84.6	84.3	92.4	92.7

GTEL Sample Number		07	08	09	080693MET
Client Identification		SO-ST3	SO-ST4	SO-ST5	METHOD BLANK
Date Sampled		07/29/93	07/29/93	07/29/93	--
Date Prepared		08/06/93	08/06/93	08/06/93	08/06/93
Date Analyzed		08/09/93	08/09/93	08/09/93	08/09/93
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	9	26	44	<5
Detection Limit Multiplier		1	1	1	1
Percent solids		95 3	90 3	92.7	NA

NA = Not Applicable
Note: Samples were received at 12° C.

GTEL ENVIRONMENTAL LABORATORIES, INC

Client Number: RMT01RMT01
Consultant Project Number: 12036.01
Project ID: Aratex Services
330 Chestnut
Oakland, CA
Work Order Number: C3-07-0508

Table 1

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons as Diesel Fuel in Soil

Modified EPA Methods 3550/8015[a]

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.

GTEL Sample Number		01	02	03	04
Client Identification		SO-03	SO-04	SO-ST1	SO-ST2
Date Sampled		07/29/93	07/29/93	07/29/93	07/29/93
Date Extracted		08/05/93	08/05/93	08/05/93	08/05/93
Date Analyzed		08/10/93	08/10/93	08/10/93	08/10/93
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel fuel	10	<10	<10	36	23
Detection Limit Multiplier		1	1	1	1
Percent solids		85.3	84.7	92.4	92.7
OTP surrogate, % recovery		96.5	105	130	122

GTEL Sample Number		07	08	09	081093 GCK
Client Identification		SO-ST3	SO-ST4	SO-ST5	METHOD BLANK
Date Sampled		07/29/93	07/29/93	07/29/93	--
Date Extracted		08/05/93	08/05/93	08/05/93	08/05/93
Date Analyzed		08/10/93	08/11/93	08/11/93	08/10/93
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel fuel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
Percent solids		95.3	90.3	92.7	NA
OTP surrogate, % recovery		102	108	76.1	112

NA= Not Applicable.
Note: Samples were received at 12° C.

GTEL ENVIRONMENTAL LABORATORIES, INC

Client Number: RMT01RMT01
Consultant Project Number: 12036.01
Project ID: Aratex Services
330 Chestnut
Oakland, CA
Work Order Number: C3-07-0508

Table 1

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Methods 8020 and Modified 8015[a]

GTEL Sample Number		01	02	03	04
Client Identification		SO-03	SO-04	SO-05	SO-06
Date Sampled		07/29/93	07/29/93	07/29/93	07/29/93
Date Extracted		08/09/93	08/09/93	08/09/93	08/09/93
Date Analyzed		08/12/93	08/12/93	08/12/93	08/12/93
Analyte	Detection Limit, mg/kg	Concentration, mg/kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene, total	0.015	<0.015	<0.015	<0.015	<0.015
BTEX, total	--	--	--	--	--
TPH as Gasoline	1	NR	NR	<1	<1
Detection Limit Multiplier		1	1	1	1
Percent solids		85.3	84.7	84.6	84.3
BFB surrogate, % recovery		78.6	79.7	79.3	75.9

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Bromofluorobenzene surrogate recovery acceptability limits are 60-140%

NR = Not Requested

Note: Samples were received at 12° C.

GTEL ENVIRONMENTAL LABORATORIES INC

Client Number: RMT01RMT01
Consultant Project Number: 12036.01
Project ID: Aratex Services
330 Chestnut
Oakland, CA
Work Order Number: C3-07-0508

Table 1 (continued)

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Methods 8020 and Modified 8015[a]

GTEL Sample Number		05	06	07	08
Client Identification		SO-ST1	SO-ST2	SO-ST3	SO-ST4
Date Sampled		07/29/93	07/29/93	07/29/93	07/29/93
Date Extracted		08/09/93	08/09/93	08/09/93	08/09/93
Date Analyzed		08/12/93	08/12/93	08/12/93	08/12/93
Analyte	Detection Limit, mg/kg	Concentration, mg/kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene, total	0.015	<0.015	<0.015	<0.015	<0.015
BTEX, total	--	--	--	--	
TPH as Gasoline	1	<1	<1	<1	<1
Detection Limit Multiplier		1	1	1	1
Percent solids		92.4	92.7	95.3	90.3
BFB surrogate, % recovery		85.5	86.9	82.8	66.7

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Bromofluorobenzene surrogate recovery acceptability limits are 60-140%.

Note: Samples were received at 12° C.

GTEL ENVIRONMENTAL LABORATORIES INC

Client Number: RMT01RMT01
Consultant Project Number: 12036.01
Project ID: Aratex Services
330 Chestnut
Oakland, CA
Work Order Number: C3-07-0508

Table 1 (continued)

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Methods 8020 and Modified 8015[a]

GTEL Sample Number		09	Q080993		
Client Identification		SO-ST5	METHOD BLANK		
Date Sampled		07/29/93	--		
Date Extracted		08/09/93	08/09/93		
Date Analyzed		08/12/93	08/09/93		
Analyte	Detection Limit, mg/kg	Concentration, mg/kg			
Benzene	0.005	<0.005	<0.005		
Toluene	0.005	<0.005	<0.005		
Ethylbenzene	0.005	<0.005	<0.005		
Xylene, total	0.015	<0.015	<0.015		
BTEX, total	--	--	--		
TPH as Gasoline	1	<1	<1		
Detection Limit Multiplier		1	1		
Percent solids		92.7	NA		
BFB surrogate, % recovery		57.6	90.5		

=

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Bromofluorobenzene surrogate recovery acceptability limits are 60-140%.

NA = Not Applicable.

Note: Samples were received at 12° C.

GTEL ENVIRONMENTAL LABORATORIES, INC

GTEL ENVIRONMENTAL LABORATORIES, INC

1680 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-[illegible] AND ANALYSIS REQUEST

28299

Company Name: RMT, Inc

Phone #: 310-452-5078

FAX #:

Company Address: Santa Monica, CA

Site location: Aratex Services 330 Chestnut, Oakland, CA

Project Manager: Jim Van Nortwick

Client Project ID: (#) 12036.01

(NAME) Aratex-Oakland UST

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Bryan Grigsby

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME
SO-01	01	4		X									X		7/29/93	2:05
SO-02	02	4		X									X		7/29	2:20
SO-03	03	4		X									X		7/29	2:48
SO-04	04	4		X									X		7/29	3:00
SO-05	05	3		X									X		7/29	3:10
SO-06	06	3		X									X		7/29	3:20

Field Sample ID	BTEX/602 with MTBE	BTEX/Gas Hydrocarbons PID/FID with MTBE	Hydrocarbons GC/FID Gas Diesel Screen	Hydrocarbon Range Screen	Oil and Grease 413.1 413.2 SM 503	TPH/IR 418.1 SM 503	EDB by 504 DBCP by 504	EPA 503.1 EPA 502.2	EPA 601 EPA 8010	EPA 602 EPA 8020	EPA 608 8080 PCB only	EPA 624/PPL 8240/TAL NBS (+15)	EPA 625/PPL 8270/TAL NBS (+25)	EPA 610 8310	EP TOX Metals Pesticides Herbicides	TCLP Metals VOA Semi-VOA Pest Herb	EPA Metals - Priority Pollutant TAL RCRA	CAM Metals TTLC STLC	Lead 239.2 200.7 7420 7421 6010	Organic Lead	Corrosivity Flash Point Reactivity	OTHER*
SO-01				X		X																← 48 hr turn
SO-02				X		X																← 48 hr turn
SO-03	X		X																			
SO-04	X		X																			
SO-05		X																	X			
SO-06		X																	X			

TAT

- Priority (24 hr) ☐
- Expedited (48 hr) ☐
- 7 Business Days ☐
- Other See Above
- Business Days ☐

Special Handling

- GTEL Contact
- Quote/Contract #
- Confirmation #
- PO #

QA / QC LEVEL

BLUE ☐ CLP ☐ OTHER

SPECIAL DETECTION LIMITS

Seal intact, on ice
WS 12C 7/30/93 BFC

SPECIAL REPORTING REQUIREMENTS

FAX ☒

REMARKS

Call Tom Davis - RMT for appropriate lead analysis method. All 10-day TAT except SO-01 & SO-02

Lab Use Only Lot #

Storage Location: M-2

C3070507 - 48 HR

C3070508-10 DAY

Work Order #

P 1 of 3

CUSTODY RECORD

	Relinquished by Sampler:	Date	Time	Received by:
1		7/30/93	12:50PM	John Weber GTEL
2	John Weber	7/30/93	14:30	Received by:
3		7/30/93	1430	Received by Laboratory:

Waybill #

Rev. 7/91

GTEL ENVIRONMENTAL LABORATORIES, INC

[redacted] PIK[redacted] LANE [redacted] E
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-[redacted]STO[redacted]RECORD AND ANALYSIS REQUEST 28560

Company Name: RMT, Inc

Phone #: 310-452-5078

FAX #:

Company Address: SANTA MONICA, CA

Site location: ARATEX SERVICES 730 CHESTNUT, OAKLAND, CA

Project Manager: JIM VAN NORTWICK

Client Project ID: (#) 12036.01

(NAME) ARATEX-OAKLAND UST

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): BRYAN GRIGSBY

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME
SO-ST1	05	4	X										X		7/29/93	6:15
SO-ST2	06	4	X										X		7/29	6:30
SO-ST3	07	4	X										X			6:40
SO-ST4	08	4	X										X			6:50
SO-ST5	08	4	X										X			7:05

ANALYSIS REQUEST																											OTHER
BTEX/602 ☐ 8020 ☐ with MTBE ☐	BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐	Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☐	Hydrocarbon Profile (SIMDIS) ☐	Oil and Grease 413.1 ☐ 413.2 ☐ SM 503 ☐	TPH/IR 418.1 ☐ SM 503 ☐	EDB by 504 ☐ DBCP by 504 ☐	EPA 503.1 ☐ EPA 502.2 ☐	EPA 601 ☐ EPA 8010 ☐	EPA 602 ☐ EPA 8020 ☐	EPA 608 ☐ 8080 ☐ PCB only ☐	EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐	EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐	EPA 610 ☐ 8310 ☐	EP TOX Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐	EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐	CAM Metals TTLC ☐ STLC ☐	(Lead) 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐	Organic Lead ☐	Corrosivity ☐ Flash Point ☐ Reactivity ☐					
	X	X															X	X								
	X	X															X	X								
	X	X															X	X								
	X	X															X	X								
	X	X															X	X								

TAT

- Priority (24 hr) ☐
- Expedited (48 hr) ☐
- Business Days ☐
- Other 10 Day
- Business Days ☐

Special Handling

GTEL Contact _____

Quote/Contract # _____

Confirmation # _____

PO # _____

SPECIAL DETECTION LIMITS

REMARKS

Call Tom Davis - RMT for appropriate lead analysis method

SPECIAL REPORTING REQUIREMENTS

FAX RE

P2 of 3

QA / QC LEVEL

BLUE ☐ CLP ☐ OTHER _____

Lab Use Only Lot # ON ICE AT 12°C 7/30/93 (BEC)

Storage Location: M-2

Work Order C3070508

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler:	7/30/93	12:55	Received by:
Relinquished by:	7/30/93	1430	Received by:
Relinquished by:	7/30/93	1430	Received by Laboratory:

Waybill #

v. 7/91

GTEL ENVIRONMENTAL LABORATORIES, INC

[redacted] LAKE COURT
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN OF CUSTODY AND ANALYSIS REQUEST

26501

Company Name: RMT, Inc

Phone #: 310-450-452-5078

FAX #:

Company Address: Santa Monica, CA

Site location: Aratex Services 330 Chestnut St, Oakland, CA

Project Manager: Jim Van Northwick

Client Project ID: (#) 12036.01

(NAME) Aratex-Oakland UST

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Bryan Grigsby

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME
SO-ST6	19	1		X									X		7/30/93	8:46
SO-ST7		1		X									X		7/30	8:55

ANALYSIS REQUEST

BTEX/602 ☐ 8020 ☐ with MTBE ☐	BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐	Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☐	Hydrocarbon Profile (SIMDIS) ☐	Oil and Grease 413.1 ☐ 413.2 ☐ SM 503 ☐	TPH/IR 418.1 ☐ SM 503 ☐	EDB by 504 ☐ DBCP by 504 ☐	EPA 503.1 ☐ EPA 502.2 ☐	EPA 601 ☐ EPA 8010 ☐	EPA 602 ☐ EPA 8020 ☐	EPA 608 ☐ 8080 ☐ PCB only ☐	EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐	EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐	EPA 610 ☐ 8310 ☐	EP TOX Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐	EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐	CAM Metals TTLC ☐ STLC ☐	Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐	Organic Lead ☐	OTHER: Corrosivity ☒ Flash Point ☒ Reactivity ☐ Chloride			
																				X	X		
																				X	X		

TAT

Priority (24 hr) ☐
Expedited (48 hr) ☐
7 Business Days ☐
Other HOLD UNTIL FURTHER INSTRUCTIONS Business Days ☐

Special Handling

GTEL Contact _____
Quote/Contract # _____
Confirmation # _____
PO # _____

QA / QC LEVEL

BLUE ☐ CLP ☐ OTHER _____

SPECIAL DETECTION LIMITS

QW ICE AS 12°C 7/30/93 BSO

SPECIAL REPORTING REQUIREMENTS

FAX ☐

REMARKS

DO NOT ANALYZE. HOLD UNTIL FURTHER INSTRUCTIONS FROM RMT

Lab Use Only Lot # Storage Location: M-2

P 3 of 3

Work Order # C3070508

CUSTODY RECORD

	Date	Time
Relinquished by Sampler:	7/30/93	1255
Relinquished by:	7/30/93	1430
Relinquished by:	7/30/93	1430

Received by: Dan Weber

Received by:

Received by Laboratory:

Waybill #

Rev. 7/91

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

4080 Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
(800) 423-7143 Outside CA
(510) 825-0720 FAX

Client Number: RMT01RMT01
Consultant Project Number: 12036.01
Project ID: Oakland
Work Order Number: C3-08-0014

August 9, 1993

James Van Nortwick
RMT, Inc.
3250 Ocean Park Blvd., Suite 370
Santa Monica, CA 90405

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 08/02/93, under chain of custody record 28219.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

for Deleon – INORGANICS GROUP LEADER

Eileen F. Bullen
Laboratory Director

Client Number: RMT01RMT01
Consultant Project Number: 12036.01
Project ID: Oakland
Work Order Number: C3-08-0014

Table 1

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry[1]

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)[2]

GTEL Sample Number		01	02	03	080593 TPH
Client Identification		MOP #1	MOP #2	MOP #3	METHOD BLANK
Date Sampled		08/02/93	08/02/93	08/02/93	--
Date Prepared		08/03/93	08/03/93	08/03/93	08/03/93
Date Analyzed		08/03/93	08/03/93	08/03/93	08/03/93
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Petroleum Hydrocarbons	5	290	110	140	<5
Detection Limit Multiplier		1	1	1	1
Percent solids		96.6	99.1	98.6	NA

1. The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis. NA = Not Applicable.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

GTEL ENVIRONMENTAL LABORATORIES, INC

GTEL ENVIRONMENTAL LABORATORIES, INC

[redacted]80 [redacted]LA[redacted]UIT[redacted]
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST 2[redacted]19

Company Name: RMT
Phone #: 310 452-3078
FAX #:
Company Address: Santa Monica
Site location: Oakland
Project Manager: James VanNortwick
Client Project ID: (#)
(NAME) 12036.01
I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): VanNortwick

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME
map #1	01	2		X								X	X		8-2-93	
map #2	02	2		X								X	X		↓	
map #3	03	2		X								X	X		↓	

BTEX/602 ☐ 8020 ☐ with MTBE ☐	BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐	Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☒	Hydrocarbon Profile (SIMDIS) ☐	Oil and Grease 413.1 ☐ 413.2 ☐ SM 503 ☐	TPH/IR 418.1 ☐ SM 503 ☐	EDB by 504 ☐ DBCP by 504 ☐	EPA 503.1 ☐ EPA 502.2 ☐	EPA 601 ☐ EPA 8010 ☐	EPA 602 ☐ EPA 8020 ☐	EPA 608 ☐ 8080 ☐ PCB only ☐	EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐	EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐	EPA 610 ☐ 8310 ☐	EP TOX Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐	EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐	CAM Metals TTLC ☐ STLC ☐	Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐	Organic Lead ☐	Corrosivity ☐ Flash Point ☐ Reactivity ☐
		✓		*	* TPH Screen										by I.R.			4/8.1	
		✓																	
		✓																	

TAT
Priority (24 hr) ☐
Expedited (48 hr) ☐
7 Business Days ☐
Other ____
Business Days ☐

Special Handling
GTEL Contact ____
Quote/Contract # ____
Confirmation # ____
PO # ____

SPECIAL DETECTION LIMITS

REMARKS
5 DAY TAT Iced Temp. 5.C seal intact 8/2/93

QA / QC LEVEL
BLUE ☐ CLP ☐ OTHER ____

SPECIAL REPORTING REQUIREMENTS
FAX ☐

Lab Use Only Lot #
Storage Location:
Work Order # C3080014

CUSTODY RECORD

	Date	Time
Relinquished by Sampler: [signature]	8-2-93	
Relinquished by:		
Relinquished by: Colleen Harper-Rhoden	8-2-93	4:40

Received by: Colleen Harper-Rhoden
Received by:
Received by Laboratory: Kathy Biam. 8/2/93 4:40
Waybill #

Rev. 7/91

GTEL ENVIRONMENTAL LABORATORIES, INC

4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

28219

Company Name:

Phone #:

FAX #:

Company Address

Site location: Oakland

Project Manager.

Client Project ID: (#)

(NAME) 1200-01

I attest that the proper field sampling procedures were used during the collection of these samples

Sampler Name (Print):

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME	BTEX/602 ☐ 8020 ☐ with MTBE ☐	BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐	Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☒	Hydrocarbon Profile (SIMDIS) ☐	Oil and Grease 413.1 ☐ 413.2 ☐ SM 503 ☐	TPH/IR 418.1 ☐ SM 503 ☐	EDB by 504 ☐ DBCP by 504 ☐	EPA 503.1 ☐ EPA 502.2 ☐	EPA 601 ☐ EPA 8010 ☐	EPA 602 ☐ EPA 8020 ☐	EPA 608 ☐ 8080 ☐ PCB only ☐	EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐	EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐	EPA 610 ☐ 8310 ☐	EP TOX Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐	EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐	CAM Metals TTLC ☐ STLC ☐	Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐	Organic Lead ☐	Corrosivity ☐ Flash Point ☐ Reactivity ☐			

TAT

Priority (24 hr) ☐
Expedited (48 hr) ☐
7 Business Days ☐
Other _____
Business Days ☐

Special Handling

GTEL Contact _____
Quote/Contract # _____
Confirmation # _____
PO # _____

QA / QC LEVEL

BLUE ☐ CLP ☐ OTHER _____

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS

FAX ☐

REMARKS

5 Day TAT

Lab Use Only Lot # Storage Location:

Work Order #

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler:			Received by:
Relinquished by:			Received by:
Relinquished by			Received by Laboratory:

Waybill #

Rev 7/91

GTEL ENVIRONMENTAL LABORATORIES INC

4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

28299

Company Name: [illegible]

Phone #: 310-452-5078

FAX #:

Company Address: [illegible], CA

Site location: Aratex Services
330 Chestnut, Oakland, CA

Project Manager [illegible]

Client Project ID: (#) 12036.01

(NAME) Aratex-Oakland UST

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Bryan Grigsby

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	Matrix: SOIL	Matrix: AIR	Matrix: SLUDGE	Matrix: PRODUCT	Matrix: OTHER	Method Preserved: HCl	Method Preserved: HNO_3	Method Preserved: H_2SO_4	Method Preserved: ICE	Method Preserved: UNPRESERVED	Method Preserved: OTHER (SPECIFY)	Sampling: DATE	Sampling: TIME	BTEX/602 ☒ 8020 ☒ with MTBE ☐	BTEX/Gas Hydrocarbons PID/FID ☒ with MTBE ☐	Hydrocarbons GC/FID Gas ☐ Diesel ☒ Screen ☐	Hydrocarbon Profile (SIMDIS) ☒ Screen ☒	Oil and Grease 413.1 ☐ 413.2 ☐ SM 503 ☐	TPH/IR 418.1 ☒ SM 503 ☐	EDB by 504 ☐ DBCP by 504 ☐	EPA 503.1 ☐ EPA 502.2 ☐	EPA 601 ☐ EPA 8010 ☐	EPA 602 ☐ EPA 8020 ☐	EPA 608 ☐ 8080 ☐ PCB only ☐	EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐	EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐	EPA 610 ☐ 8310 ☐	EP TOX Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐	EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐	CAM Metals TTLC ☐ STLC ☐	Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐	Organic Lead ☐	Corrosivity ☐ Flash Point ☐ Reactivity ☐			
[illegible]	mop oil	4		X									X		7/29/93	2:05				X ✓		X ✓															<- 48 hr turn				
[illegible]	mop oil	4		X									X		7/29	2:20				X ✓		X ✓															<- 48 hr turn				
[illegible]		4		X									X		7/29	2:45	~~X~~	✓ (circled)	X ✓			GTEL, wrong analysis																			
[illegible]		4		X									X		7/29	3:00	~~X~~	✓	X ✓																						
[illegible]		3		X									X		7/29	3:10		X ✓																	X ✓						
[illegible]		3		X									X		7/29	3:20		X ✓																	X ✓						

TAT

Priority (24 hr) ☐
Expedited (48 hr) ☐
7 Business Days ☐
Other [illegible]
Business Days ☐

Special Handling

GTEL Contact ____
Quote/Contract # ____
Confirmation # ____
PO # ____

QA / QC LEVEL

BLUE ☐ CLP ☐ OTHER ____

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS

FAX ☒

REMARKS

Call T[illegible] Davis - RMC for appropriate lead analysis method. All 10 day TAT except 50-01 & 50-02.

Lab Use Only Lot # Storage Location:

Work Order #

CUSTODY RECORD

Relinquished by	Date	Time	Received by
Relinquished by Sampler: [signature]	7/29/93	12:50 AM	Received by: [signature] GTEL
Relinquished by:	Date	Time	Received by:
Relinquished by	Date	Time	Received by Laboratory:

Waybill #

Rev 7/91

GTEL ENVIRONMENTAL LABORATORIES INC

4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

28300

Company Name.

Phone #: 510-452 5078

FAX #:

Company Address.

Site location: ARATEX SERVICES
330 CHESTNUT OAKLAND, CA

Project Manager:

Client Project ID: (#) 12C36.01

(NAME) ARATEX - OAKLAND UST

I attest that the proper field sampling procedures were used during the collection of these samples

Sampler Name (Print): BRYAN GRIGSBY

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME
SO-		4		X									X		7/26/93	6:15
SO-		4		X									X		7/29	6:30
SO-		4		X									X			6:40
SO-		4		X									X			6:50
SO-		4		X									X			7:05
COC 28302																
SO-7																
SO-8A																
SO-9																
SO-10																
SO-11																

due 16th

due 16th

TAT

Priority (24 hr) ☐
Expedited (48 hr) ☐
7 Business Days ☐
Other ☐
Business Days ☐

Special Handling

GTEL Contact
Quote/Contract #
Confirmation #
PO #

QA / QC LEVEL

BLUE ☐ CLP ☐ OTHER

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS

FAX ☐

REMARKS

Call Tom Davis - RMT for appropriate lead analysis method

Lab Use Only Lot # Storage Location:

Work Order #

	Date	Time	
Relinquished by Sampler:	7/30/93	12:55	Received by:
Relinquished by:			Received by:
Relinquished by:			Received by Laboratory:

Waybill #

CUSTODY RECORD

Rev 7/91

BTEX/602 ☐ 8020 ☐ with MTBE ☐	BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐	Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☐	Hydrocarbon Profile (SIMDIS) ☐	Oil and Grease 413.1 ☐ 413.2 ☐ SM 503 ☐	TPH/IR 418.1 ☐ SM 503 ☐	EDB by 504 ☐ DBCP by 504 ☐	EPA 503.1 ☐ EPA 502.2 ☐	EPA 601 ☐ EPA 8010 ☐	EPA 602 ☐ EPA 8020 ☐	EPA 608 ☐ 8080 ☐ PCB only ☐	EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐	EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐	EPA 610 ☐ 8310 ☐	EP TOX Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐	EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐	CAM Metals TTLC ☐ STLC ☐	Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐	Organic Lead ☐	Corrosivity ☐ Flash Point ☐ Reactivity ☐
	X	X															X		
	X	X															X		
	X	X															X		
	X	X															X		
	X	X															X		

GTEL ENVIRONMENTAL LABORATORIES, INC

4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

28301

Company Name:

Phone #: 310-450-452-5078

FAX #:

Company Address:

Site location: Aeatex Services
330 Constitution S- Oakland, CA

Project Manager:

Client Project ID: (#) 12036.01

(NAME) Aeatex-Oakland-UST

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Bryan Gramby

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME
[illegible]		1		X									X		7/30/93	9:45
[illegible]7		1		X									X		7/30	2:55

BTEX/602 ☐ 8020 ☐ with MTBE ☐ | BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐ | Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☐ | Hydrocarbon Profile (SIMDIS) ☐ | Oil and Grease 413.1 ☐ 413.2 ☐ SM 503 ☐ | TPH/IR 418.1 ☐ SM 503 ☐ | EDB by 504 ☐ DBCP by 504 ☐ | EPA 503.1 ☐ EPA 502.2 ☐ | EPA 601 ☐ EPA 8010 ☐ | EPA 602 ☐ EPA 8020 ☐ | EPA 608 ☐ 8080 ☐ PCB only ☐ | EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐ | EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐ | EPA 610 ☐ 8310 ☐ | EP TOX Metals ☐ Pesticides ☐ Herbicides ☐ | TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐ | EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐ | CAM Metals TTLC ☐ STLC ☐ | Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐ | Organic Lead ☐ | Corrosivity ☐ Flash Point ☐ Reactivity ☐ [illegible]

TAT

Priority (24 hr) ☐
Expedited (48 hr) ☐
7 Business Days ☐
Other _____
Business Days ☐

Special Handling

GTEL Contact _____
Quote/Contract # _____
Confirmation # _____
PO # _____

QA / QC LEVEL

BLUE ☐ CLP ☐ OTHER _____

SPECIAL DETECTION LIMITS

FAX ☐

SPECIAL REPORTING REQUIREMENTS

REMARKS

Do not analyze. Hold until further instructions from RMT

Lab Use Only Lot #

Storage Location:

Work Order #

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler:	7/30/93	12:55	Received by:
Relinquished by.	Date	Time	Received by:
Relinquished by.	Date	Time	Received by Laboratory:

Waybill #

Rev 7/91

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region
4080 Pike Lane
Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

Client Number: RMT01RMT01
Consultant Project Numbe: 12036.01
Project ID: Aratex Services
330 Chestnut St., Oakland
Work Order Number: C3-07-0519

August 16, 1993

Bryan Grigsby
RMT, Inc.
3250 Ocean Park Blvd., Suite 370
Santa Monica, CA 90405

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 07/31/93, under chain of custody record 28302.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Eileen F. Bullen
Laboratory Director

Client Number: RMT01RMT01
Consultant Project Numbe: 12036.01
Project ID: Aratex Services
330 Chestnut St., Oakland
Work Order Number: C3-07-0519

Table 1

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons as Diesel Fuel in Soil

Modified EPA Methods 3550/8015[a]

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.

GTEL Sample Number		01*	02*	03+	04
Client Identification		SO-07	SO-08A	SO-09	SO-10
Date Sampled		07/30/93	07/30/93	07/30/93	07/30/93
Date Extracted		08/05/93	08/05/93	08/05/93	08/05/93
Date Analyzed		08/11/93	08/12/93	08/11/93	08/11/93
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel fuel	10	1300	9400	62	<10
Detection Limit Multiplier		20	100	1	1
Percent solids		91.4	90+	91.7	92.7
OTP surrogate, % recovery		137	109	102	102

GTEL Sample Number		05*	081093 GC-K		
Client Identification		SO-11	METHOD BLANK		
Date Sampled		07/30/93	--		
Date Extracted		08/05/93	08/05/93		
Date Analyzed		08/12/93	08/10/93		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel fuel	10	4200	<10		
Detection Limit Multiplier		20	1		
Percent solids		91.3	NA		
OTP surrogate, % recovery		85.8	112		

* Detection limit raised due to the high concentration of target compounds
\+ Other hydrocarbons also present.

GTEL ENVIRONMENTAL LABORATORIES INC

Client Number: RMT01RMT01
Consultant Project Numbe: 12036.01
Project ID: Aratex Services
330 Chestnut St., Oakland
Work Order Number: C3-07-0519

Table 1

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8020[a]

GTEL Sample Number		01	02*	03*	04
Client Identification		SO-07	SO-08A	SO-09	SO-10
Date Sampled		07/30/93	07/30/93	07/30/93	07/30/93
Date Extracted		08/11/93	08/11/93	08/11/93	08/12/93
Date Analyzed		08/13/93	08/13/93	08/13/93	08/12/93
Analyte	Detection Limit, mg/kg	Concentration, mg/kg			
Benzene	0.005	0.014	<0.05	<0.010	<0.005
Toluene	0.005	0.021	<0.05	<0.010	0.011
Ethylbenzene	0.005	<0.005	<0.05	<0.010	<0.005
Xylene, total	0.015	<0.015	<0.15	0.059	<0.015
BTEX, total	--	0.035	--	0.059	--
Detection Limit Multiplier		1	10	2	1
Percent Solids		91.4	90.8	91.7	92.7
BFB surrogate, % recovery		110	99.5	93.4**	78.0

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Bromofluorobenzene surrogate recovery acceptability limits are 31-127%

* Detection limit raised due to high levels of hydrocarbons

** TFT reported due to target compound interference at the BFB peak.

Client Number: RMT01RMT01
Consultant Project Numbe: 12036.01
Project ID: Aratex Services
330 Chestnut St., Oakland
Work Order Number: C3-07-0519

Table 1 (Continued)

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8020[a]

GTEL Sample Number		05	F081193		
Client Identification		SO-11	METHOD BLANK		
Date Sampled		07/30/93	--		
Date Extracted		08/12/93	--		
Date Analyzed		08/12/93	08/11/93		
Analyte	Detection Limit, mg/kg	Concentration, mg/kg			
Benzene	0.005	0.010	<0.005		
Toluene	0.005	0.009	<0.005		
Ethylbenzene	0.005	<0.005	<0.005		
Xylene, total	0.015	0.015	<0.015		
BTEX, total	--	0.034	--		
Detection Limit Multiplier		1	1		
Percent Solids		91.3	NA		
BFB surrogate, % recovery		58.1	105		

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Bromofluorobenzene surrogate recovery acceptability limits are 31-127% NA = Not Applicable.

GTEL ENVIRONMENTAL LABORATORIES, INC

[redacted] LA[redacted] SUI[redacted]
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN OF CUSTODY AND ANALYSIS REQUEST

20802

Company Name: RMT, Inc

Phone #: 310-452-5078

FAX #:

Company Address: SANTA MONICA, CA

Site location: ARATEX SERVICES 370 CHESTNUT ST, OAKLAND

Project Manager:

Client Project ID: (#) 12036.01

(NAME) ARATEX-OAKLAND UST

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): BRYAN GEIGER

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME	BTEX/602 ☐ 8020 ☐ with MTBE ☐	BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐	Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☐	Hydrocarbon Profile (SIMDIS) ☐	Oil and Grease 413.1 ☐ 413.2 ☐ SM 503 ☐	TPH/IR 418.1 ☐ SM 503 ☐	EDB by 504 ☐ DBCP by 504 ☐	EPA 503.1 ☐ EPA 502.2 ☐	EPA 601 ☐ EPA 8010 ☐	EPA 602 ☐ EPA 8020 ☐	EPA 608 ☐ 8080 ☐ PCB only ☐	EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐	EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐	EPA 610 ☐ 8310 ☐	EP TOX Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐	EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐	CAM Metals TTLC ☐ STLC ☐	Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐	Organic Lead ☐	Corrosivity ☐ Flash Point ☐ Reactivity ☐	OTHER
SO-07	01	3		X									X		7/30/93	2:20	X		X																	
SO-08A	02	3		X									X		7/30	2:45	X		X																	
SO-09	03	3		X									X		7/30	3:55	X		X																	
SO-10	04	3		X									X		7/30	4:15	X		X																	
SO-11	05	3		X									X		7/30	3:20	X		X																	

Wet Ice 93

TAT

- Priority (24 hr) ☐
- Expedited (48 hr) ☐
- 7 Business Days ☐
- Other 10 Day ☐
- Business Days ☐

Special Handling

- GTEL Contact
- Quote/Contract #
- Confirmation #
- PO #

QA / QC LEVEL

BLUE ☐ CLP ☐ OTHER

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS

FAX ☐

REMARKS

Lab Use Only Lot # 3°C

Storage Location:

Work Order # C3070519 M-3

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler: T. Bryan Geiger - RMT (TO DISBOARD EXPRESS)	7/30/93	6:40PM	Received by:
Relinquished by:			Received by:
Relinquished by: 66227 1735	7/31/93	11:00	Received by Laboratory: Brian Belskey

Rev 7/91

APPENDIX I
LABORATORY REPORTS
SOIL SAMPLING ACTIVITIES

SBs
9-93

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region
4080 Pike Lane
Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

Client Number: RMT01RMT01
Consultant Project Number: 12036.01
Work Order Number: C3-09-0557

October 19, 1993

Robert Suhosky
RMT Laboratories, Inc.
3250 Ocean Park Blvd., Suite 370
Santa Monica, CA 90405

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 09/24/93, under chain of custody records 045493 and 045494.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Eileen F. Bullen
Laboratory Director

Client Number: RMT01RMT01
Consultant Project Number: 12036.01
Work Order Number: C3-09-0557

Table 1

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8020[a]

GTEL Sample Number		09	13[b]	14	15
Client Identification		SB-6-5	SB-11	SB-10	SB-14
Date Sampled		09/22/93	09/23/93	09/23/93	09/23/93
Date Extracted		10/06/93	10/06/93	10/06/93	10/06/93
Date Analyzed		10/07/93	10/07/93	10/07/93	10/07/93
Analyte	Detection Limit, mg/kg	Concentration, mg/kg			
Benzene	0.005	0.094	<0.05	<0.005	<0.005
Toluene	0.005	0.021	30	<0.005	<0.005
Ethylbenzene	0.005	0.052	0.89	<0.005	<0.005
Xylene, total	0.015	0.072	17	<0.015	<0.015
BTEX, total	--	0.24	48	--	--
Detection Limit Multiplier		1	10	1	1
Percent Solids		86.0	81.1	91.0	90.5
BFB surrogate, % recovery		74.2	108[c]	76.9	70.3

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Bromofluorobenzene surrogate recovery acceptability limits are 60-140%

b. Detection limit raised due to high levels of hydrocarbons.

c. TFT recovery reported due to matrix interference at BFB peak.

GTEL ENVIRONMENTAL LABORATORIES INC

Table 1 (Continued)

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8020[a]

GTEL Sample Number		Z100693			
Client Identification		METHOD BLANK			
Date Sampled		–			
Date Extracted		10/06/93			
Date Analyzed		10/06/93			
Analyte	Detection Limit, mg/kg	Concentration, mg/kg			
Benzene	0.005	<0.005			
Toluene	0.005	<0.005			
Ethylbenzene	0.005	<0.005			
Xylene, total	0.015	<0.015			
BTEX, total	–	–			
Detection Limit Multiplier		1			
Percent Solids		NA			
BFB surrogate, % recovery		93.1			

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Bromofluorobenzene surrogate recovery acceptability limits are 60-140%. NA = Not Applicable.

Client Number: RMT01RMT01
Consultant Project Number: 12036.01
Work Order Number: C3-09-0557

Table 1

ANALYTICAL RESULTS
Total Petroleum Hydrocarbons as Diesel Fuel in Soil
Modified EPA Methods 3550/8015[a]

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.

b. Hydrocarbon pattern not indicative of diesel hydrocarbon requested.

c. Sample extract lost during extraction. Not enough sample for re-extraction.

NA = Not Available.

GTEL Sample Number		09[b]	13[c]	14	15
Client Identification		SB-6-5	SB-11	SB-10	SB-14
Date Sampled		09/22/93	09/23/93	09/23/93	09/23/93
Date Extracted		10/06/93	NA	10/06/93	10/06/93
Date Analyzed		10/15/93	NA	10/15/93	10/15/93
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel fuel	10	<10	NA	<10	<10
Detection Limit Multiplier		1	NA	1	1
Percent solids		86.0	NA	91.0	90.5
OTP surrogate, % recovery		91.4	NA	76.9	82.8

GTEL Sample Number		100693 GCI			
Client Identification		METHOD BLANK			
Date Sampled		–			
Date Extracted		10/06/93			
Date Analyzed		10/14/93			
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel fuel	10	<10			
Detection Limit Multiplier		1			
Percent solids		NA			
OTP surrogate, % recovery		95.1			

GTEL ENVIRONMENTAL LABORATORIES, INC

RMT INC LABORATORIES

Madison, WI 53717
744 Heartland Trail
Phone (608) 831-4444
FAX (608) 831-7530

Santa Monica, CA
Atlanta, GA
Baton Rouge, LA
Troy, MI

Grand Ledge, MI
Nashville, TN

Greenville, SC
Schaumburg, IL

Dublin, OH
Waukesha, WI

F-268 (R2/92)
(Use Black Ink Only)

CHAIN OF CUSTODY RECORD

№ 045493

Bottles Prepared by: T. Suhoski — Date/Time: 9-23-93

Project No: 12 36.01 — Client:

Filtered (Yes/No)
Preserved (Code)

Code: A - None, B - HNO3, C - H_2SO_4, D - NaOH, E - HCl, F - ____

RMT Lab NO.	Yr. 93 Date	Time	Sample Station ID	Total Number Of Containers	Container Inventory	TPHD	8020 (BTEX)				HOLD CB 9/27	MATRIX	Comments:
SB-1-5	9-27		01	1							X		Hold
SB-1-10	9-27		02	1							X		
SB-2-5	9-27		03	1							X		
SB-2-10	9-27		04	1							X		
SB-3-5	9-27		05	1							X		
SB-3-10	9-27		06	1							X		
SB-4-5	9-27		07	1							X		
SB-4-10	9-27		08	1							X		
SB-6-5	9-27		09	1		X	X	CB 9/27/93					
~~SB-~~	~~9-27~~			1							~~X~~ CB		
SB-7-5	9-27		10	1							X		
SB-7-10	9-27		11	1							X		
				1									

Leo/lob/ly   CB 9/27

Pg. 1 of 2

SAMPLER Relinquished by (Sig.) ①	Date/Time	Received by (Sig.) ② Shipper Name & #	Date/Time	HAZARDS ASSOCIATED WITH SAMPLES
[signature]	9-23	John Weber / GTEL	9-24 / 11:15	
Relinquished by (Sig.) ③ John Weber	9-24-93 / 13:00	Received by (Sig.) ④ Shipper Name & # [signature]	9/24 / 1300	C309055 7 (For Lab Use Only)
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time	Receipt Temp 3°C — Receipt pH

Custody Seal Present/Absent — Seal Intact/Not Intact — Seal #'s

WHITE - LABORATORY COPY — YELLOW - REPORT APPENDIX — PINK - SAMPLER/SUBMITTER

RMT INC
LABORATORIES
Madison, WI 53717
744 Heartland Trail
Phone (608) 831-4444
FAX (608) 831-7530
Santa Monica, CA
Atlanta, GA
Baton Rouge, LA
Troy, MI
Grand Ledge, MI
Nashville, TN
Greenville, SC
Schaumburg, IL
Dublin, OH
Waukesha, WI

F-268 (R2/92)
(Use Black Ink Only)

CHAIN OF CUSTODY RECORD

№ 045494

Bottles Prepared by: R. SUHOSKY
Date/Time: 9-23-93
Project No.: 1203601
Client:

RMT Lab NO.	Yr. 93 Date	Time	Sample Station ID	Total Number Of Containers	Container Inventory	TPHD 8020				HOLD	MATRIX	Comments:
SB-12	9-23		12	1		X				X		HOLD.
SB-11	9-23		13	2	X	X	CO	9/27	93			
SB-10	9-23		14	2	X	X						
SB-14	9-23		15	2	X	X						

Filtered (Yes/No)
Preserved (Code)

Code: A - None
B - HNO3
C - H_2SO_4
D - NaOH
E - HCl
F - ____

Pg. 2 of 2

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
①	9-23-93	② Shipper Name & # Dale Weber GTEL	9-24 11.15
③ Dale Weber	9-24 93 1300	④ Shipper Name & #	
⑤		⑥ Shipper Name & #	9/24/93 1300

HAZARDS ASSOCIATED WITH SAMPLES

(For Lab Use Only)
Receipt Temp: 3°C
Receipt pH:

Custody Seal: Present/Absent — Seal: Intact/Not Intact — Seal #'s

WHITE - LABORATORY COPY YELLOW - REPORT APPENDIX PINK - SAMPLER/SUBMITTER

SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520
(510) 686-9600 • FAX (510) 686-9689

GTEL	Client Project ID:	12036.01	Sampled: Sep 22-23, 1993
4080 Pike Lane, Ste. C	Sample Descript:	Soil, SB-6-5,SB-11,SB-10,SB-14	Received: Jan 12, 1994
Concord, CA 94520			Analyzed: Jan 14, 1994
Attention: Debra Tiernan	Lab Number:	401-0369	Reported: Jan 18, 1994

INORGANIC PERSISTENT AND BIOACCUMULATIVE TOXIC SUBSTANCES

	Soluble Threshold Limit Concentration (Waste Extraction Test)			Total Threshold Limit Concentration		
Analyte	**STLC Max. Limit** (mg/L)	**Detection Limit** (mg/L)	**Analysis Result** (mg/L)	**TTLC Max. Limit** (mg/kg)	**Detection Limit** (mg/kg)	**Analysis Result** (mg/kg)
Antimony	15	0.10	-	500	5.0	N.D.
Arsenic	5.0	0.10	-	500	5.0	N.D.
Barium	**100**	**0.10**	**-**	**10,000**	**0.50**	**58**
Beryllium	0.75	0.010	-	75	0.50	N.D.
Cadmium	1.0	0.010	-	100	0.50	N.D.
Chromium (VI)	5.0	0.0050	-	500	0.050	-
Chromium (III)	**560**	**0.010**	**-**	**2,500**	**0.50**	**31**
Cobalt	**80**	**0.050**	**-**	**8,000**	**0.50**	**13**
Copper	**25**	**0.010**	**-**	**2,500**	**0.50**	**50**
Lead	**5.0**	**0.10**	**-**	**1,000**	**1.0**	**18**
Mercury	**0.20**	**0.00020**	**-**	**20**	**0.010**	**0.085**
Molybdenum	**350**	**0.050**	**-**	**3,500**	**0.50**	**0.61**
Nickel	**20**	**0.050**	**-**	**2,000**	**1.0**	**23**
Selenium	1.0	0.10	-	100	5.0	N.D.
Silver	5.0	0.010	-	500	0.50	N.D.
Thallium	7.0	0.10	-	700	5.0	N.D.
Vanadium	**24**	**0.050**	**-**	**2,400**	**0.50**	**21**
Zinc	**250**	**0.010**	**-**	**5,000**	**1.0**	**85**
Asbestos	-	10	-	10,000	100	-
Fluoride	180	0.10	-	18,000	1.0	-

TTLC results are reported as mg/kg of wet weight Asbestos results are reported as fibers/g
Analytes reported as N D were not present above the stated limit of detection

SEQUOIA ANALYTICAL

Karen L. Enstrom
Project Manager

SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520
(510) 686-9600 • FAX (510) 686-9689

GTEL	Client Project ID:	12036.01	Sampled:	09/22-09/23
4080 Pike Lane, Ste. C	Sample Descript:	Soil, SB-6-5,SB-11,SB-10,SB-14	Received:	Jan 12, 1994
Concord, CA 94520			Analyzed:	Jan 12-14, 1994
Attention: Debra Tiernan	Lab Number:	401-0369	Reported:	Jan 18, 1994

CORROSIVITY, IGNITABILITY, AND REACTIVITY

Analyte	Detection Limit	Sample Results
Corrosivity:		
pH	N.A.	7.4
Ignitability:		
Flashpoint (Pensky-Martens), °C	N.A.	> 100 °C
Reactivity:		
Sulfide, mg/kg	13	N.D.
Cyanide, mg/kg	0.50	N.D.
Reaction with water	N.A.	Negative

Analytes reported as N D were not present above the stated limit of detection

SEQUOIA ANALYTICAL

Karen L. Enstrom
Project Manager

SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520
(510) 686-9600 • FAX (510) 686-9689

GTEL
4080 Pike Lane, Ste. C
Concord, CA 94520
Attention: Debra Tiernan

Client Project ID: 12036.01
Matrix: Solid
QC Sample Group: 401-0369

Reported: Jan 19, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Thallium	Selenium	Arsenic	Molybdenum	Cobalt	Mercury
Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 7471
Analyst:	J.D./S.P.	J.D./S.P.	J.D./S.P.	J.D./S.P.	J.D./S.P.	K.V.S.
MS/MSD Batch#:	3112504	3112504	3112504	3112504	3112504	4010369
Date Prepared:	1/12/94	1/12/94	1/12/94	1/12/94	1/12/94	1/13/94
Date Analyzed:	1/14/94	1/14/94	1/14/94	1/14/94	1/14/94	1/14/94
Instrument I.D.#:	Liberty-100	Liberty-100	Liberty-100	Liberty-100	Liberty-100	SpectrAA-20
Conc. Spiked:	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	0.50 mg/kg
Matrix Spike % Recovery:	83	80	89	81	82	89
Matrix Spike Duplicate % Recovery:	87	85	95	84	88	89
Relative % Difference:	4.7	6.1	6.5	3.6	7.1	0.0
LCS Batch#:	BLK011294	BLK011294	BLK011294	BLK011294	BLK011294	BLK011394
Date Prepared:	1/12/94	1/12/94	1/12/94	1/12/94	1/12/94	1/13/94
Date Analyzed:	1/14/94	1/14/94	1/14/94	1/14/94	1/14/94	1/14/94
Instrument I.D.#:	Liberty-100	Liberty-100	Liberty-100	Liberty-100	Liberty-100	SpectrAA-20
LCS % Recovery:	85	92	94	90	91	85
% Recovery Control Limits:	75-125	75-125	75-125	75-125	75-125	75-125

Please Note

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

Karen L. Enstrom
Project Manager

SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520
(510) 686-9600 • FAX (510) 686-9689

GTEL
4080 Pike Lane, Ste. C
Concord, CA 94520
Attention: Debra Tiernan

Client Project ID: 12036.01
Matrix: Solid

QC Sample Group: 401-0369

Reported: Jan 19, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Corrosivity	Ignitability	Reactive Cyanide	Reactive Sulfide
Method:	EPA 9045	EPA 1010	SW 846	SW 846
Analyst:	A. Pannu	D. Newcomb	M. Nguyen	K. Newberry
Date Analyzed:	1/12/94	1/12/94	1/14/94	1/14/94
Sample #:	4010369	4010369	9401529-01	9401529-01
Sample Concentration:	7.4	> 100 °C	N.D.	N.D.
Sample Duplicate Concentration:	7.4	> 100 °C	N.D.	N.D.
% RPD:	0.0	0.0	0.0	0.0
% RPD: Control Limits:	0-30	0-30	±20	±20

SEQUOIA ANALYTICAL

Karen L. Enstrom
Project Manager

GTEL ENVIRONMENTAL LABORATORIES, INC.

4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

Subcontract COC

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

33466

Company Name: GTEL
Phone #:
FAX #:
Company Address: Same as above
Site Location:
Project Manager: Kevin Bates - RMT
Client Project ID: (#) 12036.01
(NAME)
Sampler Name (Print):
I attest that the proper field sampling procedures were used during the collection of these samples

Field Sample ID	GTEL Lab # (Lab Use only)	# CONTAINERS	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (Specify)	Sampling: DATE	TIME
SB-6-5				X								X			9/22	—
SB-11				X								X			9/23	
SB-10				X								X			9/23	
SB-14				X								X			9/23	

JAN
TUES. DEC. 18, 1994

BTEX 602 ☐ 8020 ☐ with MTBE ☐
BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐
Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☐
Hydrocarbon Profile (SIMDIS) ☐
Oil and Grease 413.1 ☐ 413.2 ☐ SM-503 ☐
TPH/IR 418.1 ☐ SM 503 ☐
EDB by 504 ☐ DBCP by 504 ☐
EPA 503.1 ☐ EPA 502.2 ☐
EPA 601 ☐ EPA 8010 ☐
EPA 602 ☐ EPA 8020 ☐
EPA 608 ☐ 8080 ☐ PCB only ☐
EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐
EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐
EPA 610 ☐ 8310 ☐
EP TOX Metals ☐ Pesticides ☐ Herbicides ☐
TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐
EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐
CAM Metals TTLC X STLC ☐
Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐
Organic Lead ☐
Corrosivity X Flash Point X Reactivity X (RC1)

COMPOSITE 4 & ANALYZE

4010 3669 A-D

TAT
Priority (24 hr) [ ]
Expedited (48 hr) [ ]
7 Business Days [ ]
Other__ [ ]
Business Days [ ]

Special Handling
GTEL Contact: Debbie
Quote/Contract #:
Confirmation #:
P O #:

QA/QC Level
Blue [ ] CLP [ ] Other [ ] Std.

SPECIAL DETECTION LIMITS
Prices Per Karen:
$383.25 - TTLC, $193.20 - RC1

REMARKS:
COMPOSITE 4 SAMPLES INTO 1, THEN ANALYZE

SPECIAL REPORTING REQUIREMENTS
FAX ☑ TO GTEL # (310) 821-3280
TO KEVIN BATES AT RMT

Lab Use Only Lot #:
Storage Location: ~~Sequoia~~ Sequoia - Concord
Work Order #: C401

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler:			Received by:
Relinquished by			Received by:
Relinquished by: Debra Hernan, GTEL	1/12/94	9.13A	Received by Laboratory. Waybill # Melissa Cremens

APPENDIX J
SOIL EXCAVATION WORK PLAN

December 7, 1993

Ms. Jennifer Eberle
Alameda County Health Care Service Agency
Department of Environmental Health
UST Local Oversight Program
80 Swan Way, Room 200
Oakland, CA 94621

Re: ARATEX Services, Inc., 330 Chestnut Street, Oakland, California
Soil Sampling Results/Proposed Soil Excavation Activities

Dear Ms. Eberle:

On September 29, 1993, three underground storage tanks were removed from the referenced facility. As you know, evidence of a diesel fuel release was identified in the vicinity of the diesel fuel dispenser vault area and the fuel regulator located along the loading dock wall during tank removal activities. In response to these finding, ARATEX Services, Inc., (ARATEX) engaged the services of RMT, Inc., (RMT) to conduct soil sampling activities and evaluate potential remediation techniques for the diesel fuel impacted soil.

The results of the soil sampling activities indicate that the extent of diesel fuel contamination is limited to the area immediately surrounding each dispenser vault and the diesel fuel regulator (See Attached Figures). Based on these findings and a review of available remedial techniques, limited soil excavation and off-site disposal has been selected for the remediation of the diesel fuel impacted soil at the ARATEX facility.

It is anticipated that the soil excavation activities will be conducted during January 1994. Soil samples will be collected from the base of the excavations to confirm that impacted soils have been removed. A description of the soil excavation activities and the soil sampling results will be included in the Tank Removal Documentation report.

If you have any questions please feel free to contact me at (310) 578-1241 or Robert J. Robbins of Aratex at (608) 492-3222.

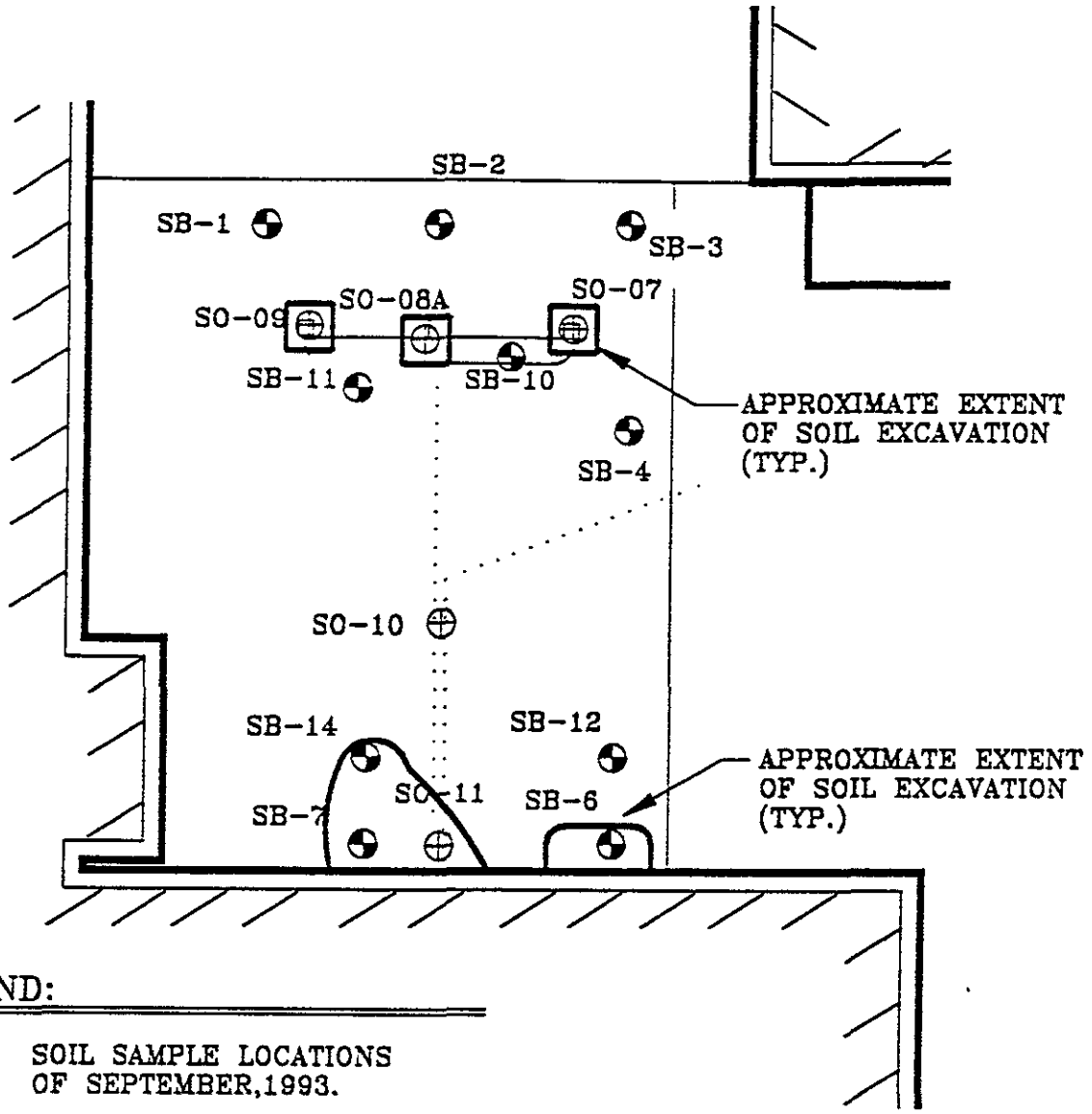
Sincerely,

James W. Van Nortwick, Jr., Ph.D., P.E
Project Manager

enc.

cc: Robert J. Robbins, C.P.G.
Phillip Krejci

RMT, INC. — LOS ANGELES
4640 ADMIRALTY WAY • SUITE 301
MARINA DEL REY, CA • 90292-6621
310/578-1241 • 310/821-3280 FAX



LEGEND:

- SOIL SAMPLE LOCATIONS OF SEPTEMBER,1993.
- SOIL SAMPLE LOCATIONS OF AUGUST,1993 SAMPLING
- APPROXIMATE EXTENT OF SOIL EXCAVATION

N

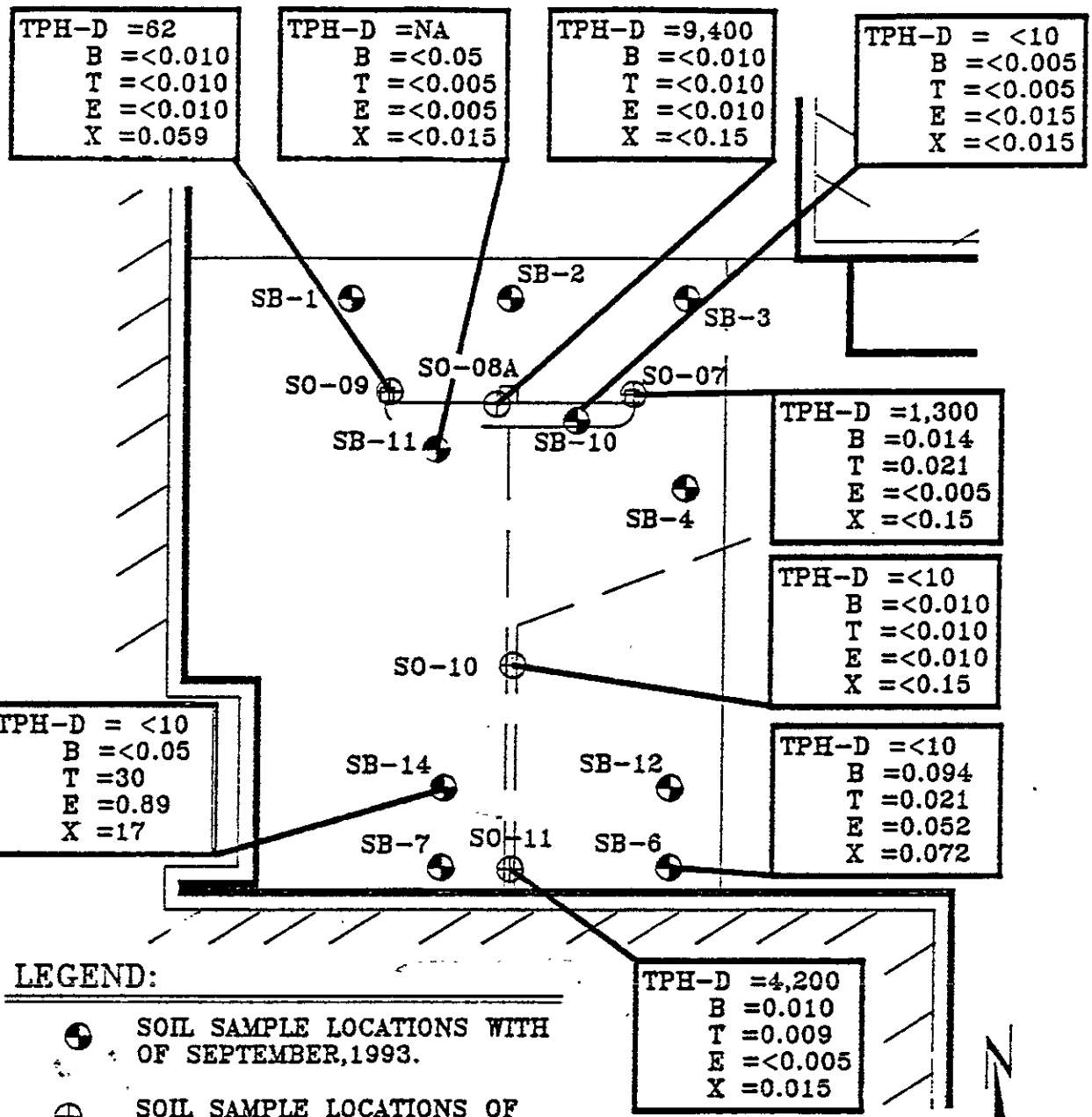
0 20 40

SCALE: 1" =20'

APPROXIMATE EXTENT OF SOIL CONTAMINATION

RMT INC.

DWN. BY:	RAS
DATE	NOV., 1993
PROJ #	12013.07
FILE #	0105



LEGEND:

- SOIL SAMPLE LOCATIONS WITH OF SEPTEMBER,1993.
- ⊕ SOIL SAMPLE LOCATIONS OF AUGUST,1993 SAMPLING

NOTE:

SAMPLE DEPTH = 5 FEET bgs.
EXCEPT SO-10 SAMPLE
DEPTH = 2 FEET bgs.

N

0 20 40

SCALE: 1" =20'

SOIL SAMPLE LOCATIONS

RMT NO.

DWN. BY:	RAS
DATE	SEPT., 1993
PROJ.#	12013.07
FILE #	0104

APPENDIX K

BILLS OF LADING AND CERTIFICATES OF RECYCLING

DATE 1-24-94

PORT COSTA MATERIALS
P.O. BOX 5D • 9000 Carquinez Scenic Drive • Port Costa, CA 94569
415/228-7266

CONTRACTOR: KROEKER.

SOURCE: ARATEX OAKLAND

TAG-BILL OF LADING No. 07431 CS

LOT # 405

CONTAMINANT TYPE

TRUCK:

TIME ON SCALE

TIME OFF SCALE

GHERD.
DRIVER'S NAME

65 TRUCK NO. -B TRAILER NO. TRAILER NO.

DRIVER ON ☐ OFF ☐ GROSS & TARE

BARGE:

☐ CONTAINER
☐ BULK
☐ OTHER

SEAL # _____

	WEIGHT	CASH SALE DATE PRICE	UNIT	AMOUNT
	79220 LB	01/24/94 08:21 AM		
GROSS	LBS.			
TARE	LBS.			
	30800 LB	01/24/94 09:19 AM		
NET	48420 LBS.			
WEIGHT PER C/F				
TONS				
	24.21			
		SUB TOTAL		
		% SALES TAX		
		TOTAL		

SIGN

CARRIER: ROCK TRANSP
BY: Ed. G
DATE: 1-24-94

PORT COSTA MATERIALS, INC. WEIGHMASTE
BY Susan Kruse
DEPUTY

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, wh
is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Cod
administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

No. 07431 CS

CUSTOMER COPY

DATE 1/24/94

PORT COSTA MATERIALS

P.O. BOX 5D • 9000 Carquinez Scenic Drive • Port Costa, CA 94569
415/228-7268

CONTRACTOR: Kroeker

SOURCE: Aratex Oakland

TAG-BILL OF LADING No. 07430 CS

LOT # 405

CONTAMINANT TYPE		WEIGHT	CASH SALE DATE PRICE	UNIT	AMOUNT
	GROSS LBS.	73880 LB	01/24/94 08:10 AM		
	TARE LBS.	31380 LB	01/24/94 09:27 AM		
TRUCK:	NET LBS.	42500 LBS.			
TIME ON SCALE	WEIGHT PER C/F				
TIME OFF SCALE	TONS				
Lance Harris DRIVER'S NAME		21.25			
78 TRUCK NO. 178 TRAILER NO. TRAILER NO.			SUB TOTAL		
DRIVER ON ☐ OFF ☐ GROSS & TARE			% SALES TAX		
BARGE:			TOTAL		

☐ CONTAINER
☐ BULK
☐ OTHER

SEAL # _____

SIGN

CARRIER: Rock Transport
BY: Lance Hart
DATE: 1/24/94

PORT COSTA MATERIALS, INC.

BY Susan King
DEPUTY

WEIGHMASTER

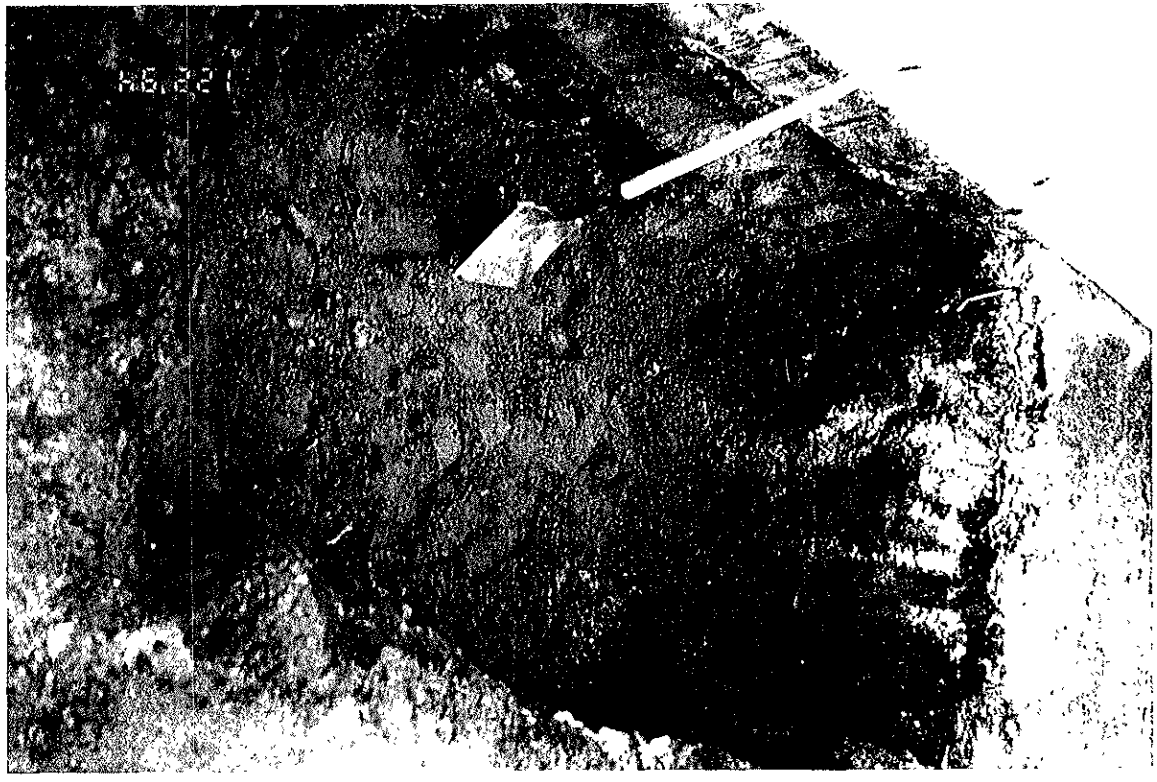
WEIGHMASTER CERTIFICATE

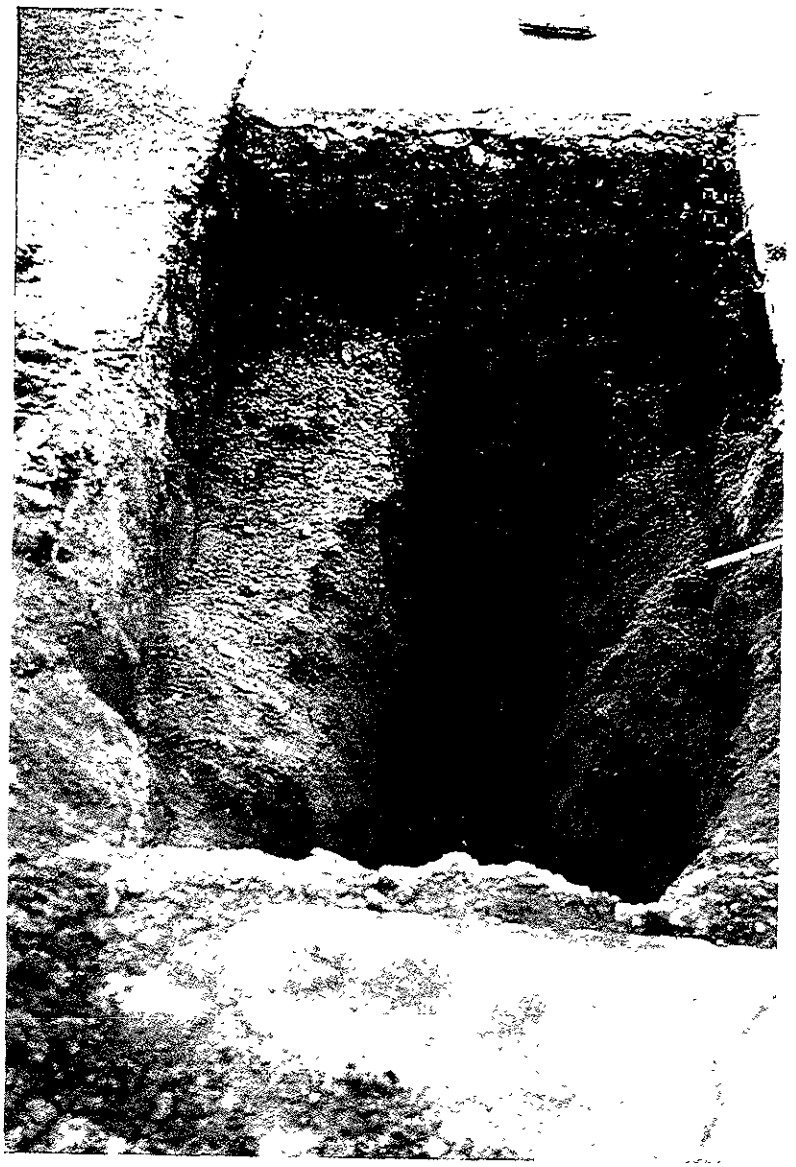
THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, wh is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Cod administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

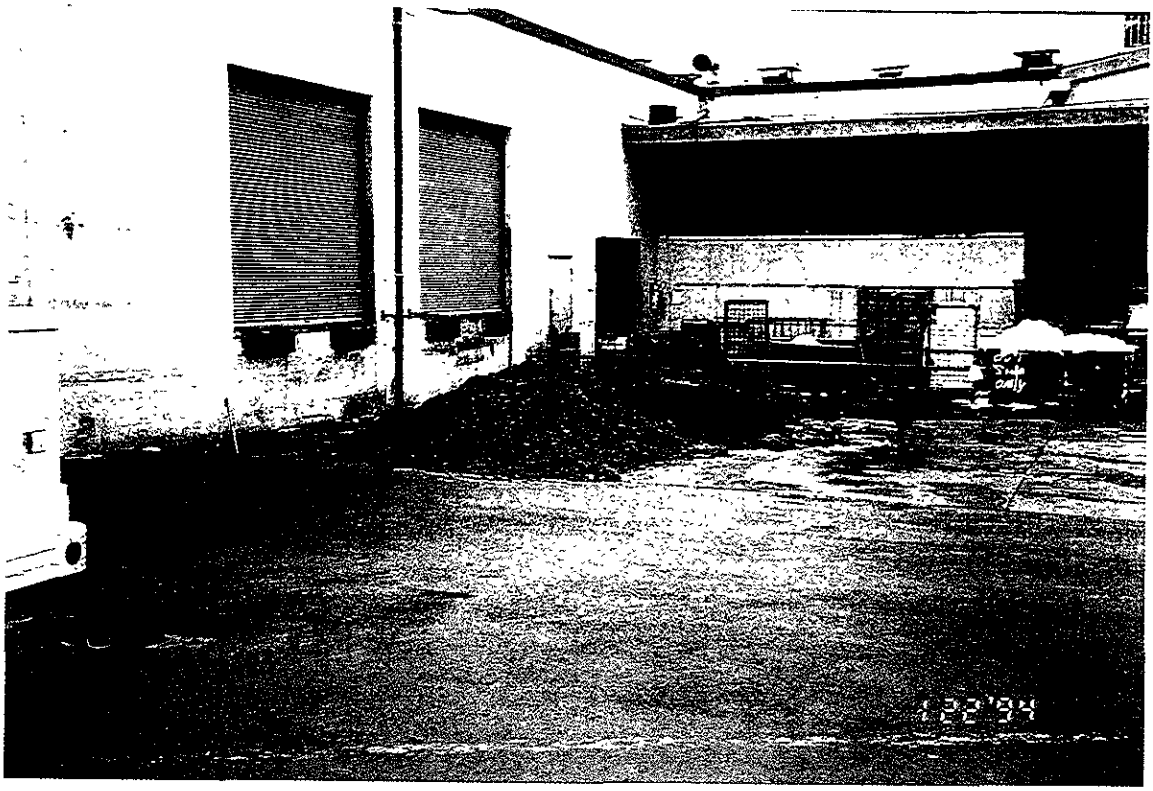
No. 07430 CS

APPENDIX L

PHOTO DOCUMENTATION OF SOIL EXCAVATION ACTIVITIES







APPENDIX M
LABORATORY REPORTS
SOIL EXCAVATION ACTIVITIES

1-22-94

Since 1878
Curtis & Tompkins, Ltd. General Analytical Laboratories
2495 Da Vinci, Irvine CA 92714 Phone 714-252-9700 Fax 714-252-9701

LABORATORY REPORT

Laboratory Number: **208369**

Date Received: **01/24/94**
Date Reported: **01/28/94**

Issued To: **RMT, INC.**
4640 ADMIRALTY WAY
SUITE 301
MARINA DEL REY, CA 90292-6621
ATTN: R. SUHOSKY

Project I.D.: **12013.11**

Location: **ARATEX OAKLAND**

Report On: **FIVE SOLID SAMPLES ANALYZED AS SPECIFIED ON ATTACHED CHAIN OF CUSTODY**

This report certifies that the samples were received in good condition (i.e. intact, chilled, and/or preserved appropriately) and that strict chain of custody procedures were adhered to at all times. It further certifies that the methods of analysis used are in fact those listed within this report and that Curtis & Tompkins, Ltd. has current certification for all work performed in the laboratory. Exceptions to this statement are specifically noted in the analytical report or on the attached chain of custody.

Reviewed By

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Laboratory I.D.: 208369
Client: RMT, INC.

Matrix: Solid
Method: DHS LUFT Procedure (Modified EPA 8015)
Extraction: EPA 3550 Sonication Extraction

Laboratory I.D.	Sample I.D.	Gasoline (mg/Kg)	Kerosene (mg/Kg)	Diesel (mg/Kg)	Motor Oil Range (mg/Kg)	Date Run	Surr. % Rec. BRO/HEX	QC Batch
1	E-1 (1')	ND	670(a,b)	ND	1,100	01/28/94	103 / 86	A
2	C-1 (8')	ND	ND	38	ND	01/28/94	83 / 77	A
3	B-1 (8') or 9'	ND	ND	150	ND	01/28/94	89 / 86	A
4	A-1 (9'6")	ND	ND	ND	ND	01/28/94	78 / 78	A
5	D-1 (9')	ND	ND	ND	ND	01/28/94	84 / 83	A
Method Blank		ND	ND	ND	ND	01/27/94	80 / 86	A
Detection Limit:		10	10	10	40			

Analytical Notes

a - 1:10 Dilution run on 01/28/94.

b - Sample hydrocarbon pattern does not match respective standard fuel pattern.

Surrogates Used: BRO = Bromobenzene HEX = Hexacosane

Date Sampled: 01/22/94

Date Extracted: 01/25/94

Quality Control Data Summary

Method Blank, Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I D	Sample I D	Spike Amount (mg/Kg)	LCS %Rec	QC Limits	Spike %Rec	Spk Dup %Rec	QC Limits	RPD	QC Limits
A	208369-004	100	85	80-120	80	95	66-117	17	24

BENZENE, TOLUENE, ETHYL BENZENE, & TOTAL XYLENES

Laboratory I.D.: 208369
Client: RMT, INC.

Matrix: Solid
Method: EPA 8020
Extraction: EPA 5030 Purge & Trap

Laboratory I.D.	Sample I.D.	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)	Date Run	Surr. % Rec.	QC Batch
1	E-1 (1')	ND(500)a	ND(500)a	ND(500)a	ND(500)a	01/25/94	93	A
2	C-1 (8')	ND	ND	ND	ND	01/26/94	105	A
3	B-1 (8')	ND	ND	ND	ND	01/26/94	96	A
4	A-1 (9'6")	ND	ND	ND	ND	01/25/94	102	A
5	D-1 (9')	ND	ND	ND	ND	01/26/94	103	A
Method Blank		ND	ND	ND	ND	01/25/94	104	A
Detection Limit:		5	5	5	5			

Surrogate Used: a,a,a-Trifluorotoluene

Analytical Notes

a - Raised Detection limit due to high concentration of non- target hydrocarbons in sample. Amended Detection limit in parenthesis.

Quality Control Data Summary

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I D	Sample I D	Spike Amount (ug/Kg)	LCS %Rec	QC Limits	Spike %Rec	Spk Dup %Rec	QC Limits	RPD	QC Limits
A	208371-001	20	102	80-120	95	90	76-137	5	16

ABBREVIATIONS

BTEX - Benzene, Toluene, Ethyl Benzene, and Total Xylenes.

CCR - California Code of Regulations.

DHS - California Department of Health Services.

EPA - United States Environmental Protection Agency.

LCS - Laboratory Control Spike

LUFT - Leaking Underground Fuel Tank.

MDL - Method Detection Limit

NA - Not Applicable.

NC - Not Calculable

ND - Not Detected at or above the defined detection limit.

PQL - Practical Quantitation Limit

RPD - Relative percent difference.

STLC - Soluble Threshold Limit Concentration.

Surr. - Surrogates.

TCLP - Toxicity Characteristic Leaching Procedure.

TEH - Total Extractable Petroleum Hydrocarbons.

Title 26 - Title 26 of the California Code of Regulations (CCR).

TR~ - Trace, estimated value .

TTLC - Total Threshold Limit Concentration.

TVH - Total Volatile Hydrocarbons.

WET - Waste Extraction Test.

UNITS

cm3 - Cubic centimeter
Kg - kilogram.
L - Liter.
mg - Milligrams.
M3 - Cubic meter.

1umhos/cm - uS/cm - Micro Siemens/centimeter
ppb - Parts per billion.
ppm - Parts per million.
ug - Micrograms.
ppbv - Parts per billion per unit volume

RMT LABORATORIES
Madison, WI 53717
744 Heartland Trail
Phone (608) 831-4444
FAX (608) 831-7530
Santa Monica, CA
Atlanta, GA
Baton Rouge, LA
Troy, MI
Grand Ledge, MI
Nashville, TN
Greenville, SC
Schaumburg, IL
Dublin, OH
Waukesha, WI

F-268 (R2/92)
(Use Black Ink Only)

CHAIN OF CUSTODY RECORD

№ 045138

Bottles ~~Prepared by~~ SAMPLED BY: KEVIN BATE
Date/Time 1/22/94
Project No 12013.11
Client ARATEX OAKLAND

RMT Lab NO	Yr. 94 Date	Time	Sample Station ID	Total Number Of Containers	Container Inventory: 8015M-TPH-D	8020 - BTEX						MATRIX	Filtered (Yes/No) / Preserved (Code)
	1/22	12:35	E-1 (1')	1	✓	✓						SOIL	
	1/22		C-1 (8')	1	✓	✓						SOIL	
	1/22		B-1 (8')	1	✓	✓						SOIL	
	1/22		A-1 (9'6")	1	✓	✓						SOIL	
	1/22		D-1 (9')	1	✓	✓						SOIL	

Code. A - None
B - HNO3
C - H_2SO_4
D - NaOH
E - HCl
F - ____

Comments: ~~AU836 SVR~~ AU8369

STANDARD TAT

	Date/Time		Date/Time
SAMPLER Relinquished by (Sig.) ①	1/24/94 2:20pm	Received by (Sig.) ② Shipper Name & # Jim Clark	1-24-94 1420
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ Shipper Name & #	Date/Time
Relinquished by (Sig) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time

HAZARDS ASSOCIATED WITH SAMPLES

(For Lab Use Only)
Receipt Temp
Receipt pH

Custody Seal Present/Absent Seal Intact/Not Intact Seal #'s

WHITE - LABORATORY COPY YELLOW - REPORT APPENDIX PINK - SAMPLER/SUBMITTER