File No. 8-90-421-SI

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UNDERGROUND TANK SOIL SAMPLING AND EXCAVATION REPORT FOR KAMUR INDUSTRIES, INC. PLAZA CAR WASH SITE LOCATED AT 400 SAN PABLO AVENUE ALBANY, CALIFORNIA JANUARY 15, 1991

PREPARED FOR:

KAMUR INDUSTRIES, INC.

2351 SHORELINE DRIVE

ALAMEDA, CALIFORNIA 94501

BY:

SOIL TECH ENGINEERING, INC.

298 EROKAW ROAD

SANTA CLARA, CALIFORNIA 95050

SOIL TECH ENGINEERING, INC.

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UNDERGROUND TANK SOIL SAMPLING AND EXCAVATION REPORT FOR KAMUR INDUSTRIES, INC. PLAZA CAR WASH SITE 400 SAN PABLO AVENUE ALBANY, CALIFORNIA

Soil Tech Engineering, Inc. (STE) has been retained by Kamur Industries, Inc. to conduct soil sampling during the removal of three 10,000 gallon underground gasoline storage tanks and associated contaminated soil at the Plaza Car Wash site located at 400 San Pablo Avenue, in Albany, California (Figure 1). The specifications of this work, excluding underground tank removal, are outlined in STE's "Proposed Work Plan" dated September 20, 1990.

SITE DESCRIPTION:

The site is located at 400 San Pablo Avenue, in Albany, California, approximately one mile east of San Francisco Bay (see Figure 1). The site is bordered by El Cerrito Creek to the north, San Pablo Avenue to the east and Adams Street to the west. The surrounding area consists of light commercial and residential.

BACKGROUND:

The site was vacant until 1950. The Plaza Car Wash and adjacent Norge Dry Cleaner buildings were constructed in the late 1950's

(Figure 2). The three underground fuel storage tanks were installed on the site in 1970.

The observation of petroleum free-product in the adjacent El Cerrito Creek, on July 3, 1989, prompted the Albany Fire Department to install absorbent materials and boom as a temporary containment measure. A storm drain, which borders the site on the west, was determined to the source of petroleum product discharge into the creek.

It is our understanding that inventory reconciliation records for Plaza Car Wash, reviewed by Kamur Industries in July 1989, showed discrepancies in the unleaded gasoline inventory.

A product line test, conducted in mid-July 1989, confirmed a small leak in the unleaded gasoline fuel lines beneath the pump island. The leak was repaired and approximately five to ten cubic yards of gasoline contaminated soil was removed from beneath the line. Analytical results of a composite sample of the excavated soil revealed a Total Petroleum Hydrocarbon (TPH) concentration of 7,500 parts per million (ppm).

PREVIOUS INVESTIGATION:

Subsurface Consultants, Inc. (SCI) was retained by Kamur Industries to perform a site assessment. On August 1, 1989, SCI drilled five

soil borings and obtained soil samples for laboratory analysis. Four of the soil borings were completed as monitoring wells. Laboratory analysis showed the presence of gasoline contaminants in all soil and groundwater samples obtained on August 1 and 3, 1989.

Per CRWQCB staff request, water samples were also obtained from El Cerrito Creek and the storm drain outlet on August 3, 1989. Laboratory analysis revealed high levels of dissolved hydrocarbons at the storm drain outlet and low levels about 20 feet down-stream.

A soil vapor study (SVS), conducted by SCI in the area of the Plaza Car Wash and adjacent properties, revealed the presence of hydrocarbon contamination in the soil.

On September 19, 1989, Pacific Pipeline Survey conducted a video inspection of the Adams Street storm drain. The inspection revealed excess concrete along the pipe bottom, a bend across the pipe section and large cracks in the pipe. The bend area was considered to the most likely location for petroleum product to enter the storm drain pipe and eventually discharge into El Cerrito Creek.

On October 10 and 11, 1989, Riedel Environmental Services, Inc. installed a sump on Adams Street adjacent to the damaged section of the storm drain for optimum groundwater level influence.

Storm drain pipe joints exposed during sump installation procedures were sealed with mortar. All excavated soils found to be contaminated (when screened with an organic vapor analyzer) were removed and stored on-site pending proper disposal. Stockpiled soils from the product line repair and sump installation areas were treated on-site and transported to the West Contra Cost Sanitary Landfill for disposal.

In December, 1989, Kamur Industries retained International Technology Environmental Services (ITES) to conduct the monitoring and sampling of on-site monitoring wells, the Adams Street sump and El Cerrito Creek. The sampling was conducted on a monthly basis from December, 1989 through May, 1990. All on-site wells showed high levels of dissolved hydrocarbons and one well showed floating product. The sump also indicated high levels of dissolved hydrocarbons. The El Cerrito Creek samples, taken after each significant rainstorm, showed non-detectable levels in the up-stream station; the storm drain outlet samples showed high levels of dissolved hydrocarbons and the down-stream station showed fairly low levels to non-detectable.

SCOPE OF WORK:

The scope or work conducted by STE was to:

1) Supervise the removal of the underground tanks and conduct soil sampling beneath the tank area, as required by the regulatory agencies.

2) Supervise the removal of contaminated soil in the vicinity of the underground tank area and conduct soil and water sampling.

3) Sample the contaminated soil stockpile for proper disposal.

4) Supervise the backfilling of the excavation with clean soil.

5) Conduct surface water (El Cerrito Creek) sampling, per Regional Water Quality Control Board (RWQCB) requirements, within 48 hours of a period of precipitation greater than or equal to 0.25 inches.

6) Prepare a technical report.

REGULATORY NOTIFICATION:

Prior to initiating work at the site, the City of Albany Fire Department and the Alameda County Health Care Service Division-Hazardous Material Program were notified of the planned tank removal and associated contaminated soil. The proposed work plan for the subject site, dated September 20, 1990, was submitted to the County Health Department on September 21, 1990.

FIELD ACTIVITIES:

Underground Tank Removal:

On November 5 and 6, 1990, Alpha Geo Services removed three 10,000 gallon gasoline storage tanks. The tanks were hauled by Erickson,

Inc. to their facility in Richmond, California for proper disposal. The tank removal was supervised by the Alameda County Health Department (ACHD) and the City of Albany Fire Department (AFD). The removal was done in accordance with a permit issued by the AFD. Information on the tank removal is provided in Alpha Geo Services' "Removal of Three Underground Storage Tanks" dated January 9, 1991, (File No. TR49) included in Appendix "D".

As the tanks were removed, gasoline contamination was noted on the sidewalls of the excavation. The shallow groundwater was encountered at eight (8) feet below the ground surface. A thin film of dark brownish color floating product was observed on the surface of the shallow groundwater.

Soil sampling of the excavation sidewalls was conducted following the removal of the tanks. Six soil samples were taken from the sidewalls of the excavation at approximately a foot above the water table, and four samples were taken from 3 feet below the pump island area as requested by the ACHD. The soil sampling locations are shown on Figure 2.

The soil samples were analyzed for Total Petroleum Hydrocarbons (TPH) as Gasoline, Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) per EPA Methods 5030 and 8020.

The analytical results of the six sidewall and four pump island samples are summarized in Table 1. The analytical results showed elevated concentrations of TPH as Gasoline which ranged from 640 to 1,890 milligrams per kilogram (mg/kg).

The excavated soil was stockpiled on-site and covered with plastic. Approximately 225 to 250 cubic yards of soil were removed during tank removal.

Soil Excavation:

After removal of the tanks and collection of the soil samples, STE proceeded to excavate further to remove the obviously contaminated soil and try to determine the depth and extent of contamination. On November 7, 1990, soil was excavated laterally approximately 25 feet to the west (at a depth of 3 to 4 feet) in the vicinity of the product lines. Four soil samples (7-4, 8-4, 9-3 and 10-3) were taken in this area. The locations of the soil samples at the product lines are shown in Figure 2. Approximately 150 cubic yards of soil was excavated, and stockpiled on-site, during this phase of excavation.

The analytical results of the soil samples taken in the product line excavation are summarized in Table 1. All four soil samples showed elevated TPH as Gasoline ranging from 142 to 4,860 mg/kg. It appeared that the gasoline from past leakage had migrated within the fill around the product line areas.

Due to the presence of floating product in the shallow groundwater, STE recommended extraction of contaminated groundwater and additional removal of obviously contaminated soil. Upon approval from Kamur Industries on November 8, 1990, approximately 4,700

gallons of contaminated groundwater was pumped from the excavation by Erickson, Inc., a state licensed waste hauler. A manifest of proper disposal of the groundwater is included in Appendix "C".

On November 8, 1990, additional soil material was removed and the sidewalls of the excavation were resampled and analyzed on-site by Mobil Chem Labs, Inc. The intent was to find the extent of soil contamination toward San Pablo Avenue and the car wash building. The results did indicate elevated levels of TPHg (700, 470 and 470 mg/kg) along the easterly and southerly sidewalls. The northerly sidewalls showed lower levels of TPHg (290 mg/kg). All excavated soil was stockpiled on-site and covered with plastic sheeting. The analytical results are summarized in Table 2. Approximately 50 to 75 cubic yards was excavated and stockpiled on-site during this phase.

On November 9, 1990, additional obviously contaminated soil was removed laterally from the westerly section of the excavation. Soils with gasoline stains and/or petroleum odor were excavated vertically to groundwater (approximately 9 to 13 feet). Two existing shallow monitoring wells (MW-1 and MW-4) were removed during additional excavation as they were located adjacent to grossly contaminated soil. On November 5, 1990, Alameda County Flood Control and Water Conservation District Zone 7 was notified about abandoning the existing monitoring wells. A copy of this notification is attached in Appendix "C". Prior to soil sampling of the sidewalls, approximately 3,800 gallons of contaminated groundwater was removed on November 9, 1990, by Erickson, Inc. A

total of five soil samples were taken from the excavation sidewalls about a foot from the groundwater table. Analysis of these additional soil samples showed elevated levels of TPH as Gasoline. TPH levels ranged from 440 to a maximum of 1,300 mg/kg. The analytical results are summarized in Table 3. Approximately 200 cubic yards of contaminated soil was removed and stockpiled on-site.

The analytical results associated with soil samples collected during soil excavation showed moderate to high levels of TPH as Gasoline still existed in the soil to the north, east, west and south of the excavation. As a result, it was decided that further investigation would be required to develop a cost-effective plan for remediation of the property. On November 10, 1990, additional contaminated groundwater (approximately 5,000 gallons) was pumped from the excavation area, prior to backfilling with clean, imported material. In addition, grab water samples of shallow groundwater were taken from the excavation to determine the concentration of dissolved hydrocarbons in the water after pumping. Analysis showed low levels of Benzene (0.4 micrograms per liter-µg/l), 0.7 µg/l of Toluene, 0.3 µg/l of Ethylbenzene and 1.0 µg/l of Xylene. No TPH as Gasoline was detected. Results of the water sample is summarized in Table 5. The depth of excavation ranged from 10 to 13 feet below ground surface and at least 2 feet below the groundwater table.

Prior to backfilling of the excavation, two 6-inch PCV pipes with 5 foot perforated sections were installed in the excavated area to be used as observation wells for groundwater and/or to be used for future soil/groundwater remediation. Backfilling of the excavation with clean, imported soil was completed by November 14, 1990, (Figure 4).

Sampling of Stockpiled Soil

Approximately 650 cubic yards of obviously contaminated soil was removed from the excavation and stockpiled on-site. The soil stockpiles were divided into 6 smaller piles (F, M, N, P, T and S) for characterization and proper disposal (Figure 4). On November 13, 1990, the stockpiled contaminated soil was sampled by taking three discrete grab samples randomly from each pile at various depths ranging from 1 to 3 feet below the stockpile surface. The three grab samples from each stockpile were composited by the laboratory and analyzed for TPHg and BTEX. In addition, selected samples were analyzed for Volatile Organic Compounds per EPA Methods 601/8010 and Priority Pollutant Metals. The analytical results are summarized in Table 4.

The stockpile soil analytical results did show elevated levels of TPHg ranging from 160 to a maximum of 980 mg/kg. BTEX levels were low, and no Volatile Organic Compounds (EPA Method 8010) were detected in the three composite samples. None of the Priority

Pollutant Metals exceeded State Department of Health Total Threshold Limit Concentrations (Title 22, Section 66699). Hence, it was determined that the soil is not hazardous and could be remediated on-site, by aeration, upon approval from the Bay Area Air Quality Management District (BAAQMD) and ACHD.

FINDINGS:

1. Soil analytical results taken from the sidewalls of the excavation did show elevated levels of TPH as Gasoline.

2. Shallow groundwater was encountered at about nine (9) feet below ground surface.

3. Approximately 14,000 gallons of contaminated groundwater was removed from the excavation and disposed of at an approved facility by a licensed waste hauler.

4. Most of the obviously contaminated soil was removed from the underground tank and product line area. Approximately 650 cubic yards were removed and stockpiled on-site for characterization and proper disposal. The stockpiled soil is not considered hazardous waste and permission has been obtained from the BAAQMD to aerate the soil on-site.

5. Two existing monitoring wells (MW-1 and MW-4) were abandoned per Alameda County Flood Control and Water Conservation District (Zone 7) Guidelines.

6. Two 6-inch observation wells are installed in the backfilled excavated area to be utilized for future soil/groundwater remediation.

RECOMMENDATION:

Since most of the grossly contaminated soil and about 14,000 gallons of contaminated groundwater has been removed, STE believes this will minimize further degradation of the groundwater. Hence, at this time we do not believe groundwater remediation is necessary except for the installation of additional monitoring wells as requested by ACHD. In addition, a quarterly sampling of the existing and proposed monitoring wells should be conducted for at least 1 year. The proposed monitoring program should then be evaluated at the end of the year to determine a need for further investigation, such as soil/groundwater remediation.

The stockpiled soil will be treated per BAAQMD Regulation 8, Rule 40 and will be disposed of properly at an approved landfill.

If you have any questions or require additional information, please feel free to contact our office at your convenience.

Sincerely,

SOIL TECH ENGINEERING, INC.

RICHARD DOWNS
ENVIRONMENTAL EDITOR

LAWRENCE KOO, P. E.
C. E. #34928

FRANK HAMEDI-FARD
GENERAL MANAGER

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TABLE 1
SOIL ANALYTICAL RESULTS
IN MILLIGRAMS PER KILOGRAM (mg/kg)

I. Soil analytical results from the sidewall samples of the underground tank excavation

Date	Sample Number	Depth feet	TPHg	B	T	E	X
11/7/90	1-7	7	710	2.6	30.4	11.1	65.4
	2-7	7	1,170	3.6	28.8	14.6	61.3
	3-7	7	870	8.1	51.7	15.4	73.1
	4-7	7	1,080	3.7	43.3	19.3	100.0
	5-7	7	640	7.5	46.0	12.9	57.8
	6-7	7	1,890	15.8	136.1	43.4	191.8

II. Soil analytical results from the pump island areas

Date	Sample Number	Depth feet	TPHg	B	T	E	X
11/7/90	7-4	4	1,340	9.0	87.6	30.3	138.4
	8-4	4	4,860	9.9	145.4	50.2	103.2
	9-3	3	1,190	32.3	115.3	25.0	118.3
	10-3	3	142	0.9	3.3	ND	9.4

TPHg = Total Petroleum Hydrocarbons as Gasoline
BTEX = Benzene, Toluene, Ethylbenzene, Xylene
ND = Not Detected (Below Detection Limit)

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TABLE 2
SOIL ANALYTICAL RESULTS
IN
MILLIGRAMS PER KILOGRAM (mg/kg)

Date	Sample Number	Depth feet	TPHg	B	T	E	X
11/8/90	11-7	7	470	14	45	10	54
Over excavation	12-9	9	580	19	57	12	65
	13-7	7	290	11	27	5.3	30
	14-8	8	700	7.8	41	28	80

TPHg = Total Petroleum Hydrocarbons as Gasoline
BTEX = Benzene, Toluene, Ethylbenzene, Xylene

TABLE 3
SOIL ANALYTICAL RESULTS
IN
MILLIGRAMS PER KILOGRAM (mg/kg)

Date	Sample Number	Depth feet	TPHg	B	T	E	X
11/09/90	16-7	7	1,300	48.0	170	35.0	190
11/10/90	18-7	7	440	9.3	25	7.4	40
Overexcavation	19-8	8	1,200	46.0	140	30.0	160
	20-10	10	960	43.0	110	24.0	130
	21-10	10	1,200	54.0	140	30.0	160

TPHg = Total Petroleum Hydrocarbons as Gasoline
BTEX = Benzene, Toluene, Ethylbenzene, Xylene

TABLE 4
WATER ANALYTICAL RESULTS
FROM THE EXCAVATION
IN MICROGRAMS PER LITER (µg/l)

Date	Sample No.	TPHg	B	T	E	X
11/10/90	1	ND	0.4	0.7	0.3	1.0
Detection Limit		50	0.3	0.3	0.3	0.3

µg/l = Parts Per Billion (ppb)
TPHg = Total Petroleum Hydrocarbons as Gasoline
BTEX = Benzene, Toluene, Ethylbenzene, Xylene
ND = Not Detected (Below Detection Limit)

TABLE 5
SOIL ANALYTICAL RESULTS
FOR STOCKPILED SOIL
IN MILLIGRAMS PER KILOGRAM (mg/kg)

I. Soil Analytical Results of Volatile Organic Compounds

Date	Composite Sample	TPHg	B	T	E	X	EPA Methods 601/8010
11/13/90	S-1-4, S-2-7 and S-3-4	160	ND	4.3	4.3	21	NA
	P-1-5, P-2-7 and P-3-4	980	4.4	53.0	26.0	130	NCD
	T-1-4, T-2-7 and T-3-4	230	7.2	5.6	5.8	18	NA
	M-1-4, M-2-6 and M-3-4	270	2.7	7.5	4.8	15	NCD
	N-1-4, N-2-7 and N-3-4	160	4.4	8.8	10.0	25	NA
	F-1-4, F-2-7 and F-3-5	750	12.0	54.0	21.0	110	NCD

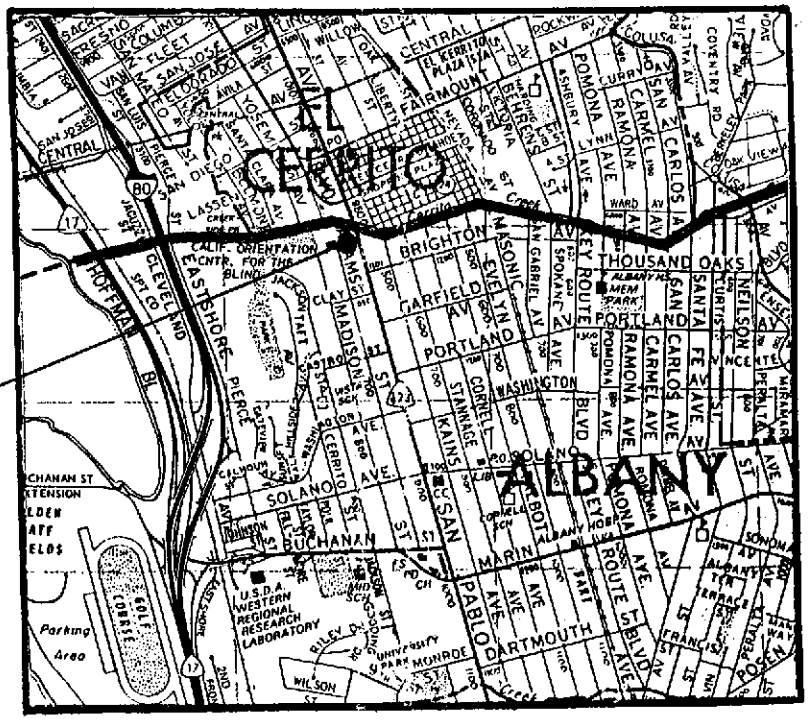
TPHg = Total Petroleum Hydrocarbons as Gasoline
BTEX = Benzene, Toluene, Ethylbenzene, Xylene
NCD = No Compounds were Detected above Detection Limits
NA = Not Analyzed

TABLE 5 CONT'D
ANALYTICAL RESULTS OF STOCKPILED SOIL
IN MILLIGRAMS PER KILOGRAM (mg/kg)

II. Metals Analysis

Elements	Composite Sample Numbers S-1-4, S-2-7 and S-3-4	N-1-4, N-2-7 and N-3-4	T-1-4, T-2-7 and T-3-4	STLC	TTLC
Antimony	ND	ND	ND	15.0	500
Arsenic	5.0	3.8	2.8	5.0	500
Barium	195.0	258.0	77.6	100.0	10,000
Beryllium	0.73	0.72	ND	0.75	75
Cadmium	ND	ND	ND	1.0	100
Cobalt	15.1	24.6	5.8	80.0	8,900
Copper	28.3	26.2	10.7	25.0	2,500
T. Chromium	61.5	55.6	23.8	560.0	2,500
Lead	15.6	9.03	7.9	5.0	1,000
Mercury	0.11	0.17	0.21	0.2	20
Molybdenum	ND	ND	ND	350.0	3,500
Nickel	92.9	89.1	37.2	20.0	2,000
Selenium	ND	ND	ND	1.0	100
Thallium	ND	ND	ND	7.0	700
Vanadium	41.5	41.9	15.9	24.0	2,400
Zinc	93.8	45.5	24.4	250.0	500

STLC = Soluble Threshold Limit Concentration
TTLC = Total Threshold Limit Concentration
ND = Not Detected (Below Detection Limit)



THOMAS BROS. MAP, 1982 EDITION
ALAMEDA COUNTY

PAGE 1 D2

FIGURE 1

SOIL TECH ENGINEERING, INC.

ERICKSON
255 Parr Boulevard, Richmond, California 94801
(415) 235-1393 • FAX (415) 235-3709

ERICKSON Analytical

December 7, 1990

Soil Tech Engineering
298 Brokaw Road
Santa Clara, CA 95050
Attn: Frank Hamedi

Project: Kamur Industries

Dear Mr. Hamedi:

Enclosed are the results of the analysis on the samples you submitted 11/08/90. The following sections are included in this report:

1) Analysis Report.
2) Quality Assurance Report.

Should you have any questions regarding either the results or the methods used, please feel free to contact us.

Thank you for using Erickson Analytical.

Sincerely,
Erickson Analytical

Refaat A. Mankarious
Laboratory Supervisor

ENC: Chain of Custody, Invoice

ERICKSON
255 Parr Boulevard, Richmond, California 94801
(415) 235-1393 • FAX (415) 235-3709

ERICKSON Analytical

CERTIFICATE OF ANALYSIS

Total Petroleum Hydrocarbon as Gasoline (TPHG) Plus BTEX (Purge and Trap Method)

Date Sampled : 11/06/90
Date Recieved: 11/08/90
Date Reported: 12/03/90

Noori Ameli
Soil Tech Engineering
298 Brokaw Road
Santa Clara, CA 95050

Project: Kamur Industries
Sample ID # : 1-7
Preparation Method:EPA Method 5030

Project # 8-90-421-SI
Lab ID# :80291-1

Analyte	Result(mg/Kg)	MDL(mg/Kg) *
Benzene	2.6	0.5
Toluene	30.4	0.5
Ethylbenzene	11.1	0.5
Total Xylenes	65.4	1.5
Total Petroleum Hydrocarbons/Gas	710.0	100.0

QA/QC: Spike Recovery for Benzene: 92%
Spike Recovery for Toluene: 94%
Spike Recovery for O-Xylene: 90%

*MDL: Method Detection Limit. Compound below this level would not be detected.

Hazardous Waste Testing Lab Certificate # 368

Nancy A. Nelson
Chemist

ERICKSON
255 Parr Boulevard, Richmond, California 94801
(415) 235-1393 • FAX (415) 235-3709

ERICKSON Analytical

CERTIFICATE OF ANALYSIS

Total Petroleum Hydrocarbon as Gasoline (TPHG) Plus BTEX
(Purge and Trap Method)

Date Sampled : 11/06/90
Date Recieved: 11/08/90
Date Reported: 12/03/90

Noori Ameli
Soil Tech Engineering
298 Brokaw Road
Santa Clara, CA 95050

Project: Kamur Industries
Sample ID # : 2-7
Preparation Method:EPA Method 5030

Project # 8-90-421-SJ
Lab ID# :80291-2

Analyte	Result(mg/Kg)	MDL(mg/Kg) *
Benzene	3.6	0.5
Toluene	28.8	0.5
Ethylbenzene	14.6	0.5
Total Xylenes	51.3	1.5
Total Petroleum Hydrocarbons/Gas	1170.0	100.0

QA/QC: Spike Recovery for Benzene: 92%
Spike Recovery for Toluene: 94%
Spike Recovery for O-Xylene: 90%

*MDL: Method Detection Limit. Compound below this level would not be detected.

Hazardous Waste Testing Lab Certificate # 368

Nancy A. Nelson
Chemist

ERICKSON
255 Parr Boulevard, Richmond, California 94801
(415) 235-1393 • FAX (415) 235-3709

ERICKSON Analytical

CERTIFICATE OF ANALYSIS

Total Petroleum Hydrocarbon as Gasoline (TPHG) Plus BTEX (Purge and Trap Method)

Date Sampled : 11/06/90
Date Recieved: 11/08/90
Date Reported: 12/03/90

Noori Ameli
Soil Tech Engineering
298 Brokaw Road
Santa Clara, CA 95050

Project: Kamur Industries
Sample ID # : 3-7
Preparation Method:EPA Method 5030

Project # 8-90-421-SI
Lab ID# :80291-3

Analyte	Result(mg/Kg)	MDL(mg/Kg) *
Benzene	8.1	0.5
Toluene	51.7	0.5
Ethylbenzene	15.4	0.5
Total Xylenes	73.1	1.5
Total Petroleum Hydrocarbons/Gas	870.0	100.0

QA/QC: Spike Recovery for Benzene: 92%
Spike Recovery for Toluene: 94%
Spike Recovery for O-Xylene: 90%

*MDL: Method Detection Limit. Compound below this level would not be detected.

Hazardous Waste Testing Lab Certificate # 368

Nancy A. Nelson
Chemist

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ERICKSON Analytical

CERTIFICATE OF ANALYSIS

Total Petroleum Hydrocarbon as Gasoline (TPHG) Plus BTEX
(Purge and Trap Method)

Date Sampled : 11/06/90
Date Recieved: 11/08/90
Date Reported: 12/03/90

Noori Ameli
Soil Tech Engineering
298 Brokaw Road
Santa Clara, CA 95050

Project: Kamur Industries
Sample ID # : 4-7
Preparation Method:EPA Method 5030

Project # 8-90-421-SI
Lab ID# :80291-4

Analyte	Result (mg/Kg)	MDL (mg/Kg) *
Benzene	3.7	0.5
Toluene	43.3	0.5
Ethylbenzene	19.3	0.5
Total Xylenes	100.0	1.5
Total Petroleum Hydrocarbons/Gas	1080.0	100.0

QA/QC: Spike Recovery for Benzene: 92%
Spike Recovery for Toluene: 94%
Spike Recovery for O-Xylene: 90%

*MDL: Method Detection Limit. Compound below this level would not be detected.

Hazardous Waste Testing Lab Certificate # 368

Nancy A. Nelson
Chemist

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ERICKSON Analytical

CERTIFICATE OF ANALYSIS

Total Petroleum Hydrocarbon as Gasoline (TPHG) Plus BTEX
(Purge and Trap Method)

Date Sampled : 11/06/90
Date Recieved: 11/08/90
Date Reported: 12/03/90

Noori Ameli
Soil Tech Engineering
298 Brokaw Road
Santa Clara, CA 95050

Project: Kamur Industries
Sample ID # : 5-7
Preparation Method:EPA Method 5030

Project # 8-90-421-S1
Lab ID# :80291-5

Analyte	Result(mg/Kg)	MDL(mg/Kg) *
Benzene	7.5	0.5
Toluene	46.0	0.5
Ethylbenzene	12.9	0.5
Total Xylenes	57.8	1.5
Total Petroleum Hydrocarbons/Gas	640.0	100.0

QA/QC: Spike Recovery for Benzene: 92%
Spike Recovery for Toluene: 94%
Spike Recovery for O-Xylene: 90%

*MDL: Method Detection Limit. Compound below this level would not be detected.

Hazardous Waste Testing Lab Certificate # 368

Nancy A. Nelson
Chemist

ERICKSON
255 Parr Boulevard, Richmond, California 94801
(415) 235-1393 • FAX (415) 235-3709

ERICKSON Analytical

CERTIFICATE OF ANALYSIS

Total Petroleum Hydrocarbon as Gasoline (TPHG) Plus BTEX
(Purge and Trap Method)

Date Sampled : 11/06/90
Date Recieved: 11/08/90
Date Reported: 12/03/90

Noori Ameli
Soil Tech Engineering
298 Brokaw Road
Santa Clara, CA 95050

Project: Kamur Industries
Sample ID # : 6-7
Preparation Method:EPA Method 5030

Project # 8-90-421-SI
Lab ID# :80291-6

Analyte	Result(mg/Kg)	MDL(mg/Kg) *
Benzene	15.8	0.5
Toluene	136.1	0.5
Ethylbenzene	43.4	0.5
Total Xylenes	191.8	1.5
Total Petroleum Hydrocarbons/Gas	1890.0	100.0

QA/QC: Spike Recovery for Benzene: 92%
Spike Recovery for Toluene: 94%
Spike Recovery for O-Xylene: 90%

*MDL: Method Detection Limit. Compound below this level would not be detected.

Hazardous Waste Testing Lab Certificate # 368

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ERICKSON Analytical

CERTIFICATE OF ANALYSIS

Total Petroleum Hydrocarbon as Gasoline (TPHG) Plus BTEX
(Purge and Trap Method)

Date Sampled : 11/07/90
Date Recieved: 11/08/90
Date Reported: 12/03/90

Noori Ameli
Soil Tech Engineering
298 Brokaw Road
Santa Clara, CA 95050

Project: Kamur Industries
Sample ID # : 7-4
Preparation Method:EPA Method 5030

Project # 8-90-421-SI
Lab ID# :80291-7

Analyte	Result(mg/Kg)	MDL(mg/Kg) *
Benzene	9.0	0.5
Toluene	87.6	0.5
Ethylbenzene	30.3	0.5
Total Xylenes	138.4	1.5
Total Petroleum Hydrocarbons/Gas	1340.0	100.0

QA/QC: Spike Recovery for Benzene: 92%
Spike Recovery for Toluene: 94%
Spike Recovery for O-Xylene: 90%

*MDL: Method Detection Limit. Compound below this level would not be detected.

Hazardous Waste Testing Lab Certificate # 368

Nancy A. Nelson
Chemist

ERICKSON
255 Parr Boulevard, Richmond, California 94801
(415) 235-1393 • FAX (415) 235-3709

ERICKSON Analytical

CERTIFICATE OF ANALYSIS

Total Petroleum Hydrocarbon as Gasoline (TPHG) Plus BTEX
(Purge and Trap Method)

Date Sampled : 11/07/90
Date Recieved: 11/08/90
Date Reported: 12/03/90

Noori Ameli
Soil Tech Engineering
298 Brokaw Road
Santa Clara, CA 95050

Project: Kamur Industries
Sample ID # : 8-4
Preparation Method:EPA Method 5030

Project # 8-90-421-SI
Lab ID# :80291-8

Analyte	Result (mg/Kg)	MDL (mg/Kg) *
Benzene	9.9	0.5
Toluene	145.4	0.5
Ethylbenzene	50.2	0.5
Total Xylenes	103.2	1.5
Total Petroleum Hydrocarbons/Gas	4860.0	100.0

QA/QC: Spike Recovery for Benzene: 92%
Spike Recovery for Toluene: 94%
Spike Recovery for O-Xylene: 90%

*MDL: Method Detection Limit. Compound below this level would not be detected.

Hazardous Waste Testing Lab Certificate # 368

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ERICKSON Analytical

CERTIFICATE OF ANALYSIS

Total Petroleum Hydrocarbon as Gasoline (TPHG) Plus BTEX
(Purge and Trap Method)

Date Sampled : 11/07/90
Date Recieved: 11/08/90
Date Reported: 12/03/90

Noori Ameli
Soil Tech Engineering
298 Brokaw Road
Santa Clara, CA 95050

Project: Kamur Industries
Sample ID # : 9-3
Preparation Method:EPA Method 5030

Project # 8-90-121-SI
Lab ID# :80291-9

Analyte	Result (mg/Kg)	MDL (mg/Kg) *
Benzene	32.3	0.5
Toluene	115.3	0.5
Ethylbenzene	25.0	0.5
Total Xylenes	118.3	1.5
Total Petroleum Hydrocarbons/Gas	1190.0	100.0

QA/QC: Spike Recovery for Benzene: 92%
Spike Recovery for Toluene: 94%
Spike Recovery for O-Xylene: 90%

*MDL: Method Detection Limit. Compound below this level would not be detected.

Hazardous Waste Testing Lab Certificate # 368

Nancy A. Nelson
Chemist

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255 Parr Boulevard, Richmond, California 94801
(415) 235-1393 • FAX (415) 235-3709

ERICKSON Analytical

CERTIFICATE OF ANALYSIS

Total Petroleum Hydrocarbon as Gasoline (TPHG) Plus BTEX
(Purge and Trap Method)

Date Sampled : 11/07/90
Date Recieved: 11/08/90
Date Reported: 12/03/90

Noori Ameli
Soil Tech Engineering
298 Brokaw Road
Santa Clara, CA 95050

Project: Kamur Industries
Sample ID # : 10-3
Preparation Method:EPA Method 5030

Project # 8-90-421-SI
Lab ID# :80291-10

Analyte	Result (mg/Kg)	MDL (mg/Kg) *
Benzene	0.9	0.5
Toluene	3.3	0.5
Ethylbenzene	ND	0.5
Total Xylenes	9.4	1.5
Total Petroleum Hydrocarbons/Gas	142.0	100.0

QA/QC: Spike Recovery for Benzene: 92%
Spike Recovery for Toluene: 94%
Spike Recovery for O-Xylene: 90%

*MDL: Method Detection Limit. Compound below this level would not be detected.

Hazardous Waste Testing Lab Certificate # 368

Nancy A. Nelson
Chemist

CHAIN OF CUSTODY RECORD

PROJ. NO. 8-90-421-SI

NAME KAMUR INDUSTRIES

SAMPLERS: (Signature) J. Amick

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2) TPH G / BTXE
1	11/6	4:00	✓		1-7	1	✓
2	11/6	4:10	✓		2-7	1	✓
3	11/6	4:20	✓		3-7	1	✓
4	11/6	4:30	✓		4-7	1	✓
5	11/6	4:40	✓		5-7	1	✓
6	11/6	5:00	✓		6-7	1	✓
7	11/7	4:00	✓		7-4	1	✓
8	11/7	4:10	✓		8-4	1	✓
9	11/7	4:20	✓		9-3	1	✓
10	11/7	4:40	✓		10-3	1	✓

REMARKS

#80291

10 day turnaround

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Receive by: (Signature)
J. Amick	11-8-90 3:35 PM	Kim Cox			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Kim Cox	11-8-90 4:10 PM	Rafael A. Marcano			
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

ERICKSON
2855 Parr Boulevard, Richmond, California 94801
(415) 235-3300 FAX (415) 235-3709
ERICKSON Analytical

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers

CHAIN OF CUSTODY RECORD

PROJ. NO. 8-90-421-SI

NAME: KAMUR INDUSTRIES

SAMPLERS: (Signature) N. Amek

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2) TPH G / BTXE
1	11/6	4:00	✓		1-7	1	✓
2	11/6	4:10	✓		2-7	1	✓
3	11/6	4:20	✓		3-7	1	✓
4	11/6	4:30	✓		4-7	1	✓
5	11/6	4:40	✓		5-7	1	✓
6	11/6	5:00	✓		6-7	1	✓
7	11/7	4:00	✓		7-4	1	✓
8	11/7	4:10	✓		8-4	1	✓
9	11/7	4:20	✓		9-3	1	✓
10	11/7	4:40	✓		10-3	1	✓

REMARKS: #80291

10 day Turnaround

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Receive by: (Signature)
N. Amek	11-8-90 3:35 PM	Jim Cox			
Jim Cox	11-8-90 4:10 PM	Refaat A. Marcous			
			Relinquished by: (Signature)	Date / Time	Received by: (Signature)

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks

SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

MOBILE CHEM LABS INC.

5021 Blum Road, Suite 3 • Martinez, CA 94553
Phone (415) 372-3700 • Fax (415) 372-6955

SOIL TECH ENGINEERING ,INC.
298 BROKAW ROAD
SANTA CLARA,CA.95050
Attn : Frank Hamedi

Date Sampled:11-08-90
Date Received:11-08-90
Date Reported:11-08-90

Sample Number	Sample Description
V110028	Chevron Car Wash 400 San Pablo Rd. Albany CA 11-7 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	470
Benzene	0.005	14
Toluene	0.005	45
Xylenes	0.005	54
Ethylbenzene	0.005	10

QA/QC: *Blank none detected
Spike Recovery -77.0%

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5021 Blum Road, Suite 3 • Martinez, CA 94553
Phone (415) 372-3700 • Fax (415) 372-6955

SOIL TECH ENGINEERING ,INC.
298 BROKAW ROAD
SANTA CLARA,CA.95050
Attn : Frank Hamedi

Date Sampled:11-08-90
Date Received:11-08-90
Date Reported:11-08-90

Sample Number	Sample Description
V110029	Chevron Car Wash 400 San Pablo Rd. Albany CA 12-9 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	580
Benzene	0.005	19
Toluene	0.005	57
Xylenes	0.005	65
Ethylbenzene	0.005	12

QA/QC: *Blank none detected
Duplicate Deviation -12.7 %

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.

MOBILE CHEM LABS
Joe Laboire
For

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

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Phone (415) 372-3700 • Fax (415) 372-6955

SOIL TECH ENGINEERING ,INC.
298 BROKAW ROAD
SANTA CLARA,CA.95050
Attn : Frank Hamedi

Date Sampled:11-08-90
Date Received:11-08-90
Date Reported:11-08-90

Sample Number	Sample Description
V110030	Chevron Car Wash 400 San Pablo Rd. Albany CA 13-7 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	290
Benzene	0.005	11
Toluene	0.005	27
Xylenes	0.005	30
Ethylbenzene	0.005	5.3

QA/QC: *Blank none detected

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.

MOBILE CHEM LABS
For

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5021 Blum Road, Suite 3 • Martinez, CA 94553
Phone (415) 372-3700 • Fax (415) 372-6955

SOIL TECH ENGINEERING ,INC.
298 BROKAW ROAD
SANTA CLARA,CA.95050
Attn : Frank Hamedi

Date Sampled:11-08-90
Date Received:11-08-90
Date Reported:11-08-90

Sample Number	Sample Description
V110031	Chevron Car Wash 400 San Pablo Rd. Albany CA 14-8 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	700
Benzene	0.005	7.8
Toluene	0.005	41
Xylenes	0.005	80
Ethylbenzene	0.005	28

QA/QC: *Blank none detected

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.

MOBILE CHEM LABS

Joe Navoie
For

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5021 Blum Road, Suite 3 • Martinez, CA 94553
Phone (415) 372-3700 • Fax (415) 372-6955

Soil Tech Engineering, Inc.
298 Brokaw Road
Santa Clara, CA 95050
Attn: Frank Hamedi
Project Manager

Date Sampled: 11-08-90
Date Received: 11-08-90
Date Reported: 11-08-90

Sample Number	Sample Description
V110028	Project # 8-90-421-ST Chevron Car Wash - Albany 400 San Pablo Avenue 11-7 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	470
Benzene	0.005	14
Toluene	0.005	45
Xylenes	0.005	54
Ethylbenzene	0.005	10

QA/QC: Sample Blank is none detected.
Spike Recovery is 77%

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX Distinction

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5021 Blum Road, Suite 3 • Martinez, CA 94553
Phone (415) 372-3700 • Fax (415) 372-6955

Soil Tech Engineering, Inc.
298 Brokaw Road
Santa Clara, CA 95050
Attn: Frank Hamadi
Project Manager

Date Sampled: 11-08-90
Date Received: 11-08-90
Date Reported: 11-08-90

Sample Number	Sample Description
V110029	Project # 8-90-421-SI Chevron Car Wash - Albany 400 San Pablo Avenue 12-9 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	580
Benzene	0.005	19
Toluene	0.005	57
Xylenes	0.005	65
Ethylbenzene	0.005	12

QA/QC: Sample Blank is none detected.
Duplicate Deviation is 12.7%.

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX Distinction

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5021 Blum Road, Suite 3 • Martinez, CA 94553
Phone (415) 372-3700 • Fax (415) 372-6955

Soil Tech Engineering, Inc.
298 Brokaw Road
Santa Clara, CA 95050
Attn: Frank Hamedi
Project Manager

Date Sampled: 11-08-90
Date Received: 11-08-90
Date Reported: 11-08-90

Sample Number	Sample Description
V110030	Project # 8-90-421-SI Chevron Car Wash - Albany 400 San Pablo Avenue 13-7 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	290
Benzene	0.005	11
Toluene	0.005	27
Xylenes	0.005	30
Ethylbenzene	0.005	5.3

QA/QC: Sample Blank is none detected.

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX Distinction

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

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Phone (415) 372-3700 • Fax (415) 372-6955

Soil Tech Engineering, Inc.
298 Brokaw Road
Santa Clara, CA 95050
Attn: Frank Hamedi
Project Manager

Date Sampled: 11-08-90
Date Received: 11-08-90
Date Reported: 11-08-90

Sample Number	Sample Description
V110031	Project # 8-90-421-SI Chevron Car Wash - Albany 400 San Pablo Avenue 14-8 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	700
Benzene	0.005	7.8
Toluene	0.005	41
Xylenes	0.005	80
Ethylbenzene	0.005	28

QA/QC: Sample Blank is none detected.

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX Distinction

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

CHAIN OF CUSTODY RECORD

PROJ. NO. 8-90-421-5I

NAME 400 SAN PABLO ALBANY

SAMPLERS: (Signature) N. Amy

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2) TPHG/BTXE	REMARKS
11	11/7	11[00]	✓		11-7	1	✓	
12	11/7	11[30]	✓		12-9	1	✓	
13	11/7	1[50]	✓		13-7	1	✓	
14	11/7	2[00]	✓		14-8	1	✓	

Relinquished by: (Signature) N. Amy	Date / Time 11/9/90 11[30]	Received by: (Signature)	Relinquished by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) Joe LaVoie	Date / Time 11/8/90 4:00pm

Date / Time	Receive by: (Signature)	
Date / Time	Received by: (Signature)	
Remarks		

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512
DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 81924
CLIENT: SOIL TECH ENGINEERING
CLIENT JOB NO.: 8-90-621SI

DATE RECEIVED: 11/16/90
DATE REPORTED: 11/27/90

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
by Modified EPA SW-846 Method 5030 and 8015

LAB #	Sample Identification	Concentration (mg/Kg) Gasoline Range
2	16	1300
4	18	440
5	19	1200
6	20	960
7	21	1200

mg/kg - parts per million (ppm)

Method Detection Limit for Gasoline in Soil: 1 mg/Kg

QAQC Summary:

Daily Standard run at 2mg/L: RPD Gasoline = 7
MS/MSD Average Recovery = 107%: Duplicate RPD = 6

Richard Srna, Ph.D.

Laboratory Manager

SUPERIOR ANALYTICAL LABORATORIES, INC.

825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512

DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 81924
CLIENT: SOIL TECH ENGINEERING
CLIENT JOB NO.: 8-90-421SI

DATE RECEIVED: 11/16/90
DATE REPORTED: 11/27/90

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
by Modified EPA SW-846 Method 5030 and 8015

LAB #	Sample Identification	Concentration (mg/Kg) Gasoline Range
2	16	1300
4	18	440
5	19	1200
6	20	960
7	21	1200

mg/kg - parts per million (ppm)

Method Detection Limit for Gasoline in Soil: 1 mg/Kg

QAQC Summary:

Daily Standard run at 2mg/L: RPD Gasoline = 7
MS/MSD Average Recovery = 107%: Duplicate RPD = 6

Richard Srna, Ph.D.

Laboratory Manager

OUTSTANDING QUALITY AND SERVICE

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512
DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 81924
CLIENT: SOIL TECH ENGINEERING
CLIENT JOB NO.: 8-90-421SI

DATE RECEIVED: 11/16/90
DATE REPORTED: 11/27/90

ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES
by EPA SW-846 Methods 5030 and 8020

LAB #	Sample Identification	Concentration(ug/Kg) Benzene	Toluene	Ethyl Benzene	Xylenes
2	16	48000	170000	35000	190000
4	18	9300	25000	7400	40000
5	19	46000	140000	30000	160000
6	20	43000	110000	24000	130000
7	21	54000	140000	30000	160000

ug/Kg - parts per billion (ppb)

Method Detection Limit in Soil: 3 ug/Kg

QAQC Summary:

Daily Standard run at 20ug/L: RPD = <15%
MS/MSD Average Recovery = 113%: Duplicate RPD = <7

Richard Srna, Ph.D.

Robert Watson for
Laboratory Manager

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512
DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 81924
CLIENT: SOIL TECH ENGINEERING
CLIENT JOB NO.: 8-90-421SI

DATE RECEIVED: 11/16/90
DATE REPORTED: 11/27/90

ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES
by EPA SW-846 Methods 5030 and 8020

LAB #	Sample Identification	Concentration(ug/Kg) Benzene	Toluene	Ethyl Benzene	Xylenes
2	16	48000	170000	35000	190000
4	18	9300	25000	7400	40000
5	19	46000	140000	30000	160000
6	20	43000	110000	24000	130000
7	21	54000	140000	30000	160000

ug/Kg - parts per billion (ppb)

Method Detection Limit in Soil: 3 ug/Kg

QAQC Summary:

Daily Standard run at 20ug/L: RPD = <15%
MS/MSD Average Recovery = 113%: Duplicate RPD = <7

Richard Srna, Ph.D.

Robert Watson for
Laboratory Manager

OUTSTANDING QUALITY AND SERVICE

81924

CHAIN OF CUSTODY RECORD

PROJ. NO. 8-90-421-SI — NAME: CAMUL INDUSTRIES

SAMPLERS: (Signature) N. [signature]

ANALYSES REQUESTED (2): TPHG / BTX&E

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	TPHG / BTX&E						REMARKS
15	11/9	3:20	✓		15-8	1	✓						HOLD
16	11/9	3:30	✓		16-7	1	✓						HOLD
17	11/9	4:30	✓		17-7	1	✓						
18	11/10	1:00	✓		18-7	1	✓						
19	11/10	1:20	✓		19-8	1	✓						
20	11/10	1:40	✓		20-10	1	✓						
21	11/10	1:50	✓		21-10	1	✓						

Please initial: [initials]
Samples stored in ice. [initials]
Appropriate containers [initials]
[illegible]
VOA's without headspace [initials]
Comments: [illegible]

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Receive by: (Signature)
N. [signature]	11/16 10:22	P. [signature]	[signature]	11/16 13:50	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		[signature]	11/16/90 13:50	NTA	

SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

SUPERIOR

CHAIN OF CUSTODY RECORD

PROJ. NO.: 8-90-421-5 | NAME: KAMAK INDUSTRIES

SAMPLERS: (Signature) N. Amador

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2) TPHG / BTX&E	REMARKS
15	11/9	3:20	✓		15-8	1	✓	HOLD
16	11/9	3:30	✓		16-7	1	✓	
17	11/9	4:30	✓		17-7	1	✓	HOLD
18	11/10	1:00	✓		18-7	1	✓	
19	11/10	1:20	✓		19-8	1	✓	
20	11/10	1:40	✓		20-10	1	✓	
21	11/10	1:50	✓		21-10	1	✓	

	Date / Time			Date / Time	
Relinquished by: (Signature) A. Amador	11/16	10:22	Received by: (Signature) P Bashaw	Relinquished by: (Signature)	Receive by: (Signature)
Relinquished by: (Signature)			Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
Relinquished by: (Signature)			Received for Laboratory by: (Signature)	Date / Time	Remarks: NTA

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I · SAN FRANCISCO, CA 94124 · PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 52783
CLIENT: Soil Tech Engineering
CLIENT JOB NO.: 8-90-421-S2

DATE RECEIVED: 11/16/90
DATE REPORTED: 11/27/90

ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES
by EPA SW-846 Metnods 5030 and 8020

LAB #	Sample Identification	Concentration(ug/L) Benzene	Toluene	Ethyl Benzene	Xylenes
1	1	0.4	0.7	0.3	1

ug/L - parts per billion (ppb)

Minimum Detection Limit in Soil: 3.0ug/kg
Minimum Detection Limit in Water:0.3ug/L

QAQC Summary:
Daily Standard run at 20ug/L: %DIFF = <15%
MS/MSD Average Recovery = 105% : Duplicate RPD = <9%

Richard Srna, Ph.D.

Cecilia G Jongco (for)
Laboratory Director

SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 52783
CLIENT: Soil Tech Engineering
CLIENT JOB NO.: 8-90-421-S2

DATE RECEIVED: 11/16/90
DATE REPORTED: 11/27/90

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
by Modified EPA SW-846 Method 5030 and 8015

LAB #	Sample Identification	Concentration (ug/L) Gasoline Range
1	1	ND<50

ug/L = parts per billion (ppb)
Minimum Detection Limit for Gasoline in Water: 50ug/L

QAQC Summary:
Daily Standard run at 2mg/L: %DIFF Gasoline = <15%
MS/MSD Average Recovery = 99%: Duplicate RPD = <5%

Richard Srna, Ph.D.

Laboratory Director

SAF 52783

CHAIN OF CUSTODY RECORD

PROJ. NO.	NAME
8-90-421-SI	KAMUR INDUSTRIES

SAMPLERS: (Signature)

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2) TPHG/BTXE	REMARKS
1	11/10	1[25]		✓		3	✓	

Please initial:
Samples Stored in ice. Yes
Appropriate containers. Yes
Samples preserved. Yes
VOA's without headspace.
Comments:

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Receive by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
	11/16/90 16[30] PM		11/16/90 16[30]	NTA	

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers
208 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 866-0919 ■ (415) 791-6406

PROJ. NO.	NAME
8-90-421-S1	KAMUR INDUSTRIES

SAMPLERS: (Signature)

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2) TPHG/BTXE	REMARKS
1	11/10	1125		✓		3	✓	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Receive by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
	11/16/90 16 30 PM		11/16/90 16 30	NTA	

SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 866-0919 ■ (415) 791-6406

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9011156
Date Received : 11/16/90
Project ID : 8-90-421-SI
Purchase Order: N/A
Department : GC
Sub-Department: VOA

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9011156- 2	P-1-5,2-7,3-4	SOIL	11/13/90	8010
9011156- 4	M-1-4,2-6,3-4	SOIL	11/13/90	8010
9011156- 6	F-1-4,2-7,3-5	SOIL	11/13/90	8010

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9011156
Date Received : 11/16/90
Project ID : 8-90-421-SI
Purchase Order: N/A
Department : GC
Sub-Department: VOA

QA/QC SUMMARY :

- Due to interfering hydrocarbon peaks, samples P-1-4,2-7,3-4; M-1-4,2-6,3-4; and F-1-4,2-7,3-5 were analyzed at a dilution.

Corinne Ham 12/07/90
Department Supervisor Date

Juliet Ofuoso 12/7/90
Chemist Date

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 8-90-421-SI P-1-4,2-7,3-4
Matrix : SOIL
Date sampled : 11/13/90
Date analyzed: 11/20/90
Dilution : 100

Anametrix I.D. : 9011156-02
Analyst : JW
Supervisor : CP
Date released : 12/05/90
Instrument ID : HP24

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	100	ND
74-83-9	* Bromomethane	50	ND
75-71-8	* Dichlorodifluoromethane	100	ND
75-01-4	* Vinyl Chloride	50	ND
75-00-3	* Chloroethane	50	ND
75-09-2	* Methylene Chloride	50	ND
79-69-4	* Trichlorofluoromethane	50	ND
75-35-4	* 1,1-Dichloroethene	50	ND
75-34-3	* 1,1-Dichloroethane	50	ND
156-59-2	# Cis-1,2-Dichloroethene	50	ND
156-60-5	* Trans-1,2-Dichloroethene	50	ND
67-66-3	* Chloroform	50	ND
76-13-1	# Trichlorotrifluoroethane	50	ND
107-06-2	* 1,2-Dichloroethane	50	ND
71-55-6	* 1,1,1-Trichloroethane	50	ND
56-23-5	* Carbon Tetrachloride	50	ND
75-27-4	* Bromodichloromethane	50	ND
78-87-5	* 1,2-Dichloropropane	50	ND
10061-02-6	* Trans-1,3-Dichloropropene	50	ND
79-01-6	* Trichloroethene	50	ND
124-48-1	* Dibromochloromethane	50	ND
79-00-5	* 1,1,2-Trichloroethane	50	ND
10061-01-5	* cis-1,3-Dichloropropene	50	ND
110-75-8	* 2-Chloroethylvinylether	100	ND
75-25-2	* Bromoform	50	ND
127-18-4	* Tetrachloroethene	50	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	50	ND
108-90-7	* Chlorobenzene	50	ND
95-50-1	* 1,2-Dichlorobenzene	100	ND
541-73-1	* 1,3-Dichlorobenzene	100	ND
106-46-7	* 1,4-Dichlorobenzene	100	ND
	% Surrogate Recovery	33-134%	95%

ND : Not detected at or above the practical quantitation limit for the method.
* A 601/8010 approved compound (Federal Register, 10/26/84).
\# A compound added by Anametrix, Inc.

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 8-90-421-SI M-1-4,2-6,3-4
Matrix : SOIL
Date sampled : 11/13/90
Date analyzed: 11/20/90
Dilution : 100

Anametrix I.D. : 9011156-04
Analyst : JW
Supervisor : CP
Date released : 12/05/90
Instrument ID : HP24

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	100	ND
74-83-9	* Bromomethane	50	ND
75-71-8	* Dichlorodifluoromethane	100	ND
75-01-4	* Vinyl Chloride	50	ND
75-00-3	* Chloroethane	50	ND
75-09-2	* Methylene Chloride	50	ND
79-69-4	* Trichlorofluoromethane	50	ND
75-35-4	* 1,1-Dichloroethene	50	ND
75-34-3	* 1,1-Dichloroethane	50	ND
156-59-2	# Cis-1,2-Dichloroethene	50	ND
156-60-5	* Trans-1,2-Dichloroethene	50	ND
67-66-3	* Chloroform	50	ND
76-13-1	# Trichlorotrifluoroethane	50	ND
107-06-2	* 1,2-Dichloroethane	50	ND
71-55-6	* 1,1,1-Trichloroethane	50	ND
56-23-5	* Carbon Tetrachloride	50	ND
75-27-4	* Bromodichloromethane	50	ND
78-87-5	* 1,2-Dichloropropane	50	ND
10061-02-6	* Trans-1,3-Dichloropropene	50	ND
79-01-6	* Trichloroethene	50	ND
124-48-1	* Dibromochloromethane	50	ND
79-00-5	* 1,1,2-Trichloroethane	50	ND
10061-01-5	* cis-1,3-Dichloropropene	50	ND
110-75-8	* 2-Chloroethylvinylether	100	ND
75-25-2	* Bromoform	50	ND
127-18-4	* Tetrachloroethene	50	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	50	ND
108-90-7	* Chlorobenzene	50	ND
95-50-1	* 1,2-Dichlorobenzene	100	ND
541-73-1	* 1,3-Dichlorobenzene	100	ND
106-46-7	* 1,4-Dichlorobenzene	100	ND
	% Surrogate Recovery	33-134%	84

ND : Not detected at or above the practical quantitation limit for the method.
* A 601/8010 approved compound (Federal Register, 10/26/84).
\# A compound added by Anametrix, Inc.

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 8-90-421-SI F-1-4,2-7,3-5
Matrix : SOIL
Date sampled : 11/13/90
Date analyzed: 11/20/90
Dilution : 100

Anametrix I.D. : 9011156-06
Analyst : RC
Supervisor : CP
Date released : 12/05/90
Instrument ID : HP24

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	100	ND
74-83-9	* Bromomethane	50	ND
75-71-8	* Dichlorodifluoromethane	100	ND
75-01-4	* Vinyl Chloride	50	ND
75-00-3	* Chloroethane	50	ND
75-09-2	* Methylene Chloride	50	ND
79-69-4	* Trichlorofluoromethane	50	ND
75-35-4	* 1,1-Dichloroethene	50	ND
75-34-3	* 1,1-Dichloroethane	50	ND
156-59-2	# Cis-1,2-Dichloroethene	50	ND
156-60-5	* Trans-1,2-Dichloroethene	50	ND
67-66-3	* Chloroform	50	ND
76-13-1	# Trichlorotrifluoroethane	50	ND
107-06-2	* 1,2-Dichloroethane	50	ND
71-55-6	* 1,1,1-Trichloroethane	50	ND
56-23-5	* Carbon Tetrachloride	50	ND
75-27-4	* Bromodichloromethane	50	ND
78-87-5	* 1,2-Dichloropropane	50	ND
10061-02-6	* Trans-1,3-Dichloropropene	50	ND
79-01-6	* Trichloroethene	50	ND
124-48-1	* Dibromochloromethane	50	ND
79-00-5	* 1,1,2-Trichloroethane	50	ND
10061-01-5	* cis-1,3-Dichloropropene	50	ND
110-75-8	* 2-Chloroethylvinylether	100	ND
75-25-2	* Bromoform	50	ND
127-18-4	* Tetrachloroethene	50	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	50	ND
108-90-7	* Chlorobenzene	50	ND
95-50-1	* 1,2-Dichlorobenzene	100	ND
541-73-1	* 1,3-Dichlorobenzene	100	ND
106-46-7	* 1,4-Dichlorobenzene	100	ND
	% Surrogate Recovery	33-134%	82%

ND : Not detected at or above the practical quantitation limit for the method.
* A 601/8010 approved compound (Federal Register, 10/26/84).
# A compound added by Anametrix, Inc.

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
Matrix : SOIL
Date sampled : N/A
Date analyzed: 11/20/90
Dilution : NONE

Anametrix I.D. : 24B1120H02
Analyst : [illegible]
Supervisor : CP
Date released : 12/05/90
Instrument ID : HP24

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	1	ND
74-83-9	* Bromomethane	0.5	ND
75-71-8	* Dichlorodifluoromethane	1	ND
75-01-4	* Vinyl Chloride	0.5	ND
75-00-3	* Chloroethane	0.5	ND
75-09-2	* Methylene Chloride	0.5	ND
79-69-4	* Trichlorofluoromethane	0.5	ND
75-35-4	* 1,1-Dichloroethene	0.5	ND
75-34-3	* 1,1-Dichloroethane	0.5	ND
156-59-2	# Cis-1,2-Dichloroethene	0.5	ND
156-60-5	* Trans-1,2-Dichloroethene	0.5	ND
67-66-3	* Chloroform	0.5	ND
76-13-1	# Trichlorotrifluoroethane	0.5	ND
107-06-2	* 1,2-Dichloroethane	0.5	ND
71-55-6	* 1,1,1-Trichloroethane	0.5	ND
56-23-5	* Carbon Tetrachloride	0.5	ND
75-27-4	* Bromodichloromethane	0.5	ND
78-87-5	* 1,2-Dichloropropane	0.5	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.5	ND
79-01-6	* Trichloroethene	0.5	ND
124-48-1	* Dibromochloromethane	0.5	ND
79-00-5	* 1,1,2-Trichloroethane	0.5	ND
10061-01-5	* cis-1,3-Dichloropropene	0.5	ND
110-75-8	* 2-Chloroethylvinylether	1	ND
75-25-2	* Bromoform	0.5	ND
127-18-4	* Tetrachloroethene	0.5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	0.5	ND
108-90-7	* Chlorobenzene	0.5	ND
95-50-1	* 1,2-Dichlorobenzene	1	ND
541-73-1	* 1,3-Dichlorobenzene	1	ND
106-46-7	* 1,4-Dichlorobenzene	1	ND
	% Surrogate Recovery	33-134%	88%

ND : Not detected at or above the practical quantitation limit for the method.
* A 601/8010 approved compound (Federal Register, 10/26/84).
\# A compound added by Anametrix, Inc.

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9011156
Date Received : 11/16/90
Project ID : 8-90-421-SI
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9011156- 1	S-1-4,2-7,3-4	SOIL	11/13/90	TPHg/BTEX
9011156- 2	P-1-5,2-7,3-4	SOIL	11/13/90	TPHg/BTEX
9011156- 3	T-1-4,2-7,3-4	SOIL	11/13/90	TPHg/BTEX
9011156- 4	M-1-4,2-6,3-4	SOIL	11/13/90	TPHg/BTEX
9011156- 5	N-1-4,2-7,3-4	SOIL	11/13/90	TPHg/BTEX
9011156- 6	F-1-4,2-7,3-5	SOIL	11/13/90	TPHg/BTEX

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9011156
Date Received : 11/16/90
Project ID : 8-90-421-SI
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for this workorder.

Cheryl Balmer 12/6/90
Department Supervisor Date

Harold Voegt 12/6/90
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9011156
Matrix : SOIL
Date Sampled : 11/13/90

Project Number : 8-90-421-SI
Date Released : 12/05/90

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# S-1-4,2 -7,3-4 -01	Sample I.D.# P-1-5,2 -7,3-4 -02	Sample I.D.# T-1-4,2 -7,3-4 -03	Sample I.D.# M-1-4,2 -6,3-4 -04	Sample I.D.# N-1-4,2 -7,3-4 -05
Benzene	0.005	ND	4.4	7.2	2.7	4.4
Toluene	0.005	4.3	53	5.6	7.5	8.8
Ethylbenzene	0.005	4.3	26	5.8	4.8	10
Total Xylenes	0.005	21	130	18	15	25
TPH as Gasoline	0.5	160	980	230	270	160
% Surrogate Recovery		88%	116%	103%	164%	89%
Instrument I.D.		HP8	HP8	HP12	HP12	HP12
Date Analyzed		11/27/90	11/27/90	11/26/90	11/26/90	11/27/90
RLMF		100	250	100	50	250

ND - Not detected at or above the practical quantitation limit for the method.
TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.
RLMF - Reporting Limit Multiplication Factor.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Analyst 12.07.90 Date

Supervisor 12/7/90 Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9011156
Matrix : SOIL
Date Sampled : 11/13/90

Project Number : 8-90-421-SI
Date Released : 12/05/90

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# F-1-4,2 -7,3-5 -06	Sample I.D.# 08B1127A BLANK	Sample I.D.# 12B1126A BLANK		
Benzene	0.005	12	ND	ND		
Toluene	0.005	54	ND	ND		
Ethylbenzene	0.005	21	ND	ND		
Total Xylenes	0.005	110	ND	ND		
TPH as Gasoline	0.5	750	ND	ND		
% Surrogate Recovery		106%	106%	82%		
Instrument I.D.		HP8	HP8	HP12		
Date Analyzed		11/27/90	11/27/90	11/26/90		
RLMF		500	1	1		

ND - Not detected at or above the practical quantitation limit for the method.
TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.
RLMF - Reporting Limit Multiplication Factor.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Garth Vorgt 12/6/90
Analyst Date

Cheryl Balmer 12/6/90
Supervisor Date

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9011156
Date Received : 11/16/90
Project ID : 8-90-421-SI
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9011156- 1	S-1-4,2-7,3-4	SOIL	11/13/90	T 22-MET
9011156- 3	T-1-4,2-7,3-4	SOIL	11/13/90	T 22-MET
9011156- 5	N-1-4,2-7,3-4	SOIL	11/13/90	T 22-MET

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9011156
Date Received : 11/16/90
Project ID : 8-90-421-SI
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :

- Arsenic digests were subcontracted to Mid-Pacific Environmental Laboratory.
- Sample T-1-4,2-7,3-4 was diluted 1:2 for EPA Method 6010 due to matrix interferences.

Manny Nguyen 12-06-90
Department Supervisor Date

A. Sokolova 12-06-90
Chemist Date

ANALYSIS DATA SHEET - TITLE 22 METALS
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9011156
Matrix : SOIL
Date Sampled : 11/13/90
Project Number: 8-90-421-SI

Date Prepared : 11/28/90
Date Analyzed : 11/29/90
Date Released : 12/06/90
Instrument I.D.: AA1/ICP1

ELEMENTS	EPA Method#	Reporting Limit (mg/Kg)	Sample I.D.# S-1-4,2 -7,3-4 -01	Sample I.D.# N-1-4,2 -7,3-4 -05	Sample I.D.# METHOD BLANK MB1128S
Silver (Ag)	6010	0.5	ND	ND	ND
Barium (Ba)	6010	5.0	195	258	ND
Beryllium (Be)	6010	0.25	0.73	0.72	ND
Cadmium (Cd)	6010	0.25	ND	ND	ND
Cobalt (Co)	6010	2.5	15.1	24.6	ND
Total Cr	6010	0.5	61.5	55.6	ND
Copper (Cu)	6010	1.25	28.3	26.2	ND
Mercury (Hg)	7471	0.025	0.11	0.17	ND
Molybdenum (Mo)	6010	0.5	ND	ND	ND
Nickel (Ni)	6010	2.0	92.9	89.1	ND
Lead (Pb)	6010	2.0	15.6	9.03	ND
Antimony (Sb)	6010	3.0	ND	ND	ND
Selenium (Se)	7740	0.25	ND	ND	ND
Thallium (Tl)	7841	0.5	ND	ND	ND
Vanadium (V)	6010	2.5	41.5	41.9	ND
Zinc (Zn)	6010	1.0	93.8	45.5	ND

ND : Not detected at or above the practical quantitation limit for the method.

All Metals by EPA Method 6010/7000, Test Method for Evaluating Solid Waste, SW-846 3rd Edition November 1986, and California Administrative Code Title 22, Section 66699.

Manny Nguyen 12-06-90
Chemist Date

G. Nicholson 12-06-90
Chemist Date

ANALYSIS DATA SHEET - TITLE 22 METALS
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9011156
Matrix : SOIL
Date Sampled : 11/13/90
Project Number: 8-90-421-SI

Date Prepared : 11/28/90
Date Analyzed : 11/29/90
Date Released : 12/06/90
Instrument I.D.: AA1/ICP1

ELEMENTS	EPA Method#	Reporting Limit (mg/Kg)	Sample I.D.# T-1-4,2 -7,3-4 -03	Sample I.D.# BLANK MB1128S
Silver (Ag)	6010	1.0	ND	ND
Barium (Ba)	6010	10.0	77.6	ND
Beryllium (Be)	6010	0.50	ND	ND
Cadmium (Cd)	6010	0.50	ND	ND
Cobalt (Co)	6010	5.0	5.8	ND
Total Cr	6010	1.0	23.8	ND
Copper (Cu)	6010	2.5	10.7	ND
Mercury (Hg)	7471	0.025	0.21	ND
Molybdenum (Mo)	6010	1.0	ND	ND
Nickel (Ni)	6010	4.0	37.2	ND
Lead (Pb)	6010	4.0	7.9	ND
Antimony (Sb)	6010	6.0	ND	ND
Selenium (Se)	7740	0.25	ND	ND
Thallium (Tl)	7841	0.5	ND	ND
Vanadium (V)	6010	5.0	15.9	ND
Zinc (Zn)	6010	2.0	24.4	ND

ND : Not detected at or above the practical quantitation limit for the method.

All Metals by EPA Method 6010/7000, Test Method for Evaluating Solid Waste, SW-846 3rd Edition November 1986, and California Administrative Code Title 22, Section 66699.

Manny Nguyen 12/07/90
Chemist Date

Oleg Nemchenok 12-07-90
Chemist Date

CHAIN OF CUSTODY RECORD

Anametrix

PROJ. NO.	NAME
8-90-421-SI	KAMUR INDUSTRIES

SAMPLERS: *(Signature)* [signature]

ANALYSES REQUESTED (2)

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	TPHG/BTE&X	CAM 17	8010				REMARKS
1	11/13	1^{40}	✓		S-1-4	1	✓	✓					Cold, no headspace, [illegible]
2	11/13	1^{40}	✓		S-2-7	1	✓	✓					COMP.
3	11/13	1^{45}	✓		S-3-4	1	✓	✓					
4	11/13	1^{50}	✓		P-1-5	1	✓		✓				
5	11/13	1^{55}	✓		P-2-7	1	✓		✓				COMP.
6	11/13	2^{00}	✓		P-3-4	1	✓		✓				
7	11/13	2^{05}	✓		T-1-4	1	✓	✓					
8	11/13	2^{10}	✓		T-2-7	1	✓	✓					COMP.
9	11/13	2^{15}	✓		T-3-4	1	✓	✓					
10	11/13	2^{20}	✓		M-1-4	1	✓		✓				
11	11/13	2^{25}	✓		M-2-6	1	✓		✓				COMP.
12	11/13	2^{35}	✓		M-3-4	1	✓		✓				
13	11/13	2^{45}	✓		N-1-4	1	✓	✓					
14	11/13	2^{50}	✓		N-2-7	1	✓	✓					COMP.
15	11/13	3^{00}	✓		N-3-4	1	✓	✓					

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*

Relinquished by: *(Signature)*	Date / Time	Received for Laboratory by: *(Signature)*	Date / Time	Remarks
[signature]	11/13/90 11:15 AM	[signature]	11/16/90 1115	NTA

SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 866-0919 ■ (415) 791-6406

CHAIN OF CUSTODY RECORD

PROJ. NO.	NAME
8-90-421-SI	KAMUR INDUSTRIES

SAMPLERS: *(Signature)* [signature]

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2): TPHG/BTE&X	CAM 17	8010				REMARKS (1) (2)
1	11/13	1:40	✓		S-1-4	1	✓	✓					Cold, [illegible]
2	11/13	1:40	✓		S-2-7	1	✓	✓					COMP.
3	11/13	1:45	✓		S-3-4	1	✓	✓					
4	11/13	1:50	✓		P-1-5	1	✓		✓				
5	11/13	1:55	✓		P-2-7	1	✓		✓				COMP.
6	11/13	2:00	✓		P-3-4	1	✓		✓				
7	11/13	2:05	✓		T-1-4	1	✓	✓					
8	11/13	2:10	✓		T-2-7	1	✓	✓					COMP.
9	11/13	2:15	✓		T-3-4	1	✓	✓					
10	11/13	2:20	✓		M-1-4	1	✓		✓				
11	11/13	2:25	✓		M-2-6	1	✓		✓				COMP.
12	11/13	2:35	✓		M-3-4	1	✓		✓				
13	11/13	2:45	✓		N-1-4	1	✓	✓					
14	11/13	2:50	✓		N-2-7	1	✓	✓					COMP.
15	11/13	3:20	✓		N-3-4	1	✓	✓					

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Relinquished by: *(Signature)* [signature]	Date / Time 11/13/90 11:15 AM	Received for Laboratory by: *(Signature)* [signature]	Date / Time 11/16/90 1115	Remarks NTA	

SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 866-0919 ■ (415) 791-6406

CHAIN OF CUSTODY RECORD

Anametrix

PROJ. NO.	NAME
8-90-421-S1	KAMUR INDUSTRIES

SAMPLERS: (Signature) N. Amy Li

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	Analyses Requested (2) TPHG/BTEX	CAM 17	8010	REMARKS
16	11/13	3:05	✓		F-1-4	1	✓	✓		Cold, picked up, ice
17	11/13	3:10	✓		F-2-7	1	✓	✓		COMP.
18	11/13	3:15	✓		F-3-5	1	✓	✓		

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Receive by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature) N. Amy Li	Date / Time 11/13/90 11:15 AM	Received for Laboratory by: (Signature)	Date / Time 11/16/90 1115	Remarks NTA	

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers
208 BROKAW ROAD SANTA CLARA, CA 95050 ■ (408) 866-0919 ■ (415) 791-6406

CHAIN OF CUSTODY RECORD

PROJ. NO.	NAME
8-90-421-S1	KAMUR INDUSTRIES

SAMPLERS: (Signature) N. Amy

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	TPHG	BTEX	CAM17	BOIC	REMARKS
16	11/13	3:05	✓		F-1-4	1	✓		✓		COMP. Cold, wheelspin, ...
17	11/13	3:10	✓		F-2-7	1	✓		✓		
18	11/13	3:15	✓		F-3-5	1	✓		✓		

Analyses Requested (2)

REMARKS (1) (2)

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Receive by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature) N. Amy	Date / Time 11/13/90 11:15 AM	Received for Laboratory by: (Signature)	Date / Time 11/16/90 1115	Remarks NTA	

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers
298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 866-0919 ■ (415) 791-6406

ANAMETRIX INC
Environmental & Analytical Chemistry

December 13, 1990

Mr. Frank Hamedi
SOIL TECH ENGINEERING
298 Brokaw Road
Santa Clara, CA 95050

Dear Mr. Hamedi:

Enclosed are the results of work from your Project Number 8-90-421-SI, received by Anametrix, Inc. on November 16, 1990. The following analysis, **Arsenic (EPA Method 7060)**, was performed by a laboratory sub-contracted by Anametrix, Inc.

Anametrix I.D.#	Client I.D. #
9011156-01	S-1-4,2-7,3-4
9011156-03	T-1-4,2-7,3-4
9011156-05	N-1-4,2-7,3-4

If you have any questions concerning this workorder, please call me at (408)432-8192.

Sincerely,

ANAMETRIX, INC.

Jennifer Payne

Jennifer Payne
Client Services Representative

JP/mh/4251

Enclosures

Table 2. Metals Results

Parameter	EPA Method	Anametrix Sample ID: 9011156 -01	9011156 -03	9011156 -05	Post Digestion Spike	Method Blank
		mg/kg	mg/kg	mg/kg	% Recov	mg/L
Arsenic	7060	5.0	2.8	3.8	71	<0.005

Table 2. Metals Results

Parameter	EPA Method	Anametrix Sample ID Method Detection Limit mg/kg
Arsenic	7060	2.5

ANAMETRIX CHAIN-OF-CUSTODY RECORD

ANAMETRIX Workorder Number: 9011156 **9012-020**

Send Report Attention of: JENNIFER PAYNE

Report Due:

Verbal Due: 12-7-90

	Sample Number	Date	Time	DIGEST Comp	Grab	Station Location	Number of Cntnrs	Type of Containers	Type of Analysis: 7060	Condition of Samples	Initial
-02	01	11-13-90		✓			1	50 ml	X		
-03	03	↓		✓			↓	↓	X		
-04	05	↓		✓			↓	↓	X		

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Jennifer J Payne	12-4-90 16:45		12-4-90 1645
		Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time		
	12-4-90 1730	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time		12-4-90 1730

Remarks: 3 day turn please. Sub to Mid-Pacific.

ANAMETRIX INC
LABORATORY SERVICES
1961 Concourse Drive, Suite E, San Jose, CA 95131
Phone: (408)432-8192 Fax: (408)432-8198

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE • PLEASANTON, CALIFORNIA 94566 • (415) 484-2600

GROUNDWATER PROTECTION ORDINANCE PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

(1) LOCATION OF PROJECT PLAZA CAR WASH
400 SAN PABLO AVE.
ALBANY, CA 94706

(2) CLIENT
Name MURRAY T. STEVENS DBA KAMUR IND.
Address 400 SAN PABLO Phone 415-523-7866
City ALBANY, CA Zip 94706

(3) APPLICANT
Name ALPHA GEO SERVICES
Address 298 BROKAW RD. Phone 408-988-1032
City SANTA CLARA, CA Zip 95050

(4) DESCRIPTION OF PROJECT
Water Well Construction ___ Geotechnical Investigation
Cathodic Protection ___ General ___
Well Destruction X Contamination ___
EXCAVATION

(5) PROPOSED WATER WELL USE
Domestic ___ Industrial ___ Irrigation ___
Municipal ___ Monitoring ___ Other ___

(6) PROPOSED CONSTRUCTION
Drilling Method:
Mud Rotary ___ Air Rotary ___ Auger ___
Cable ___ Other ___

DRILLER'S LICENSE NO. ___

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in. Depth 20 ft.
Surface Seal Depth ___ ft. Number ___

GEOTECHNICAL PROJECTS
Number of Borings ___ Maximum
Hole Diameter ___ in. Depth ___ ft.

(7) ESTIMATED STARTING DATE 11/5/90
ESTIMATED COMPLETION DATE 11/5/90

(8) I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE ___ Date 2 NOV. 90

FOR OFFICE USE

PERMIT NUMBER ___
LOCATION NUMBER ___

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as t arrive at the Zone 7 office five days prior t proposed starting date.
2. Submit to Zone 7 within 60 days after completi of permitted work the original Department Water Resources Water Well Drillers Report equivalent for well projects, or drilling lo and location sketch for geotechnical projects.
3. Permit is void if project not begun within days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal a industrial wells or 20 feet for domestic, irrig tion, and monitoring wells unless a lesser dep is specially approved.

C. GEOTECHNICAL. Backfill bore hole with compacted cu tings or heavy bentonite and upper two feet with co pacted material. In areas of known or suspect contamination, tremied cement grout shall be used place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concre placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved ___ Date ___

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	CA[illegible]
Manifest Document No.	[illegible]
2. Page 1 of 1	
Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address	~~[illegible]~~ PLAZA CAR [illegible] 900 San Pablo Ave. Albany, CA 94706
4. Generator's Phone	(415) 523-7366
A. State Manifest Document Number	89890254
B. State Generator's ID	
5. Transporter 1 Company Name	Erickson Trucking, Inc.
6. US EPA ID Number	CAD[illegible]
C. State Transporter's ID	10623C
D. Transporter's Phone	(415) 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	Refineries Service 13331 So. Hwy. 33 Patterson, CA 95363
10. US EPA ID Number	CAD[illegible]
G. State Facility's ID	
H. Facility's Phone	(209) 892-6742

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-RCRA Hazardous Waste Liquid	001	TT	5000	G	State 223 EPA/Other None
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above

1. Water 99%
2. Gas 1%

No. 8193-4

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

15. Special Handling Instructions and Additional Information

Gloves and Safety Glasses

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

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

Printed/Typed Name: [illegible] | Signature: [signature] | Month Day Year: 01 05 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: TOM ROTHSTEIN | Signature: Tom Rothstein | Month Day Year: 11 08 90

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

GENERATOR / TRANSPORTER / FACILITY

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

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

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

8 8122430

UNIFORM HAZARDOUS WASTE MANIFEST

GENERATOR

1. Generator's US EPA ID No.: CAC000527736 — Manifest Document No.: 7867
2. Page 1 of 1

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

3. Generator's Name and Mailing Address: PLAZA CAR WASH 400 SAN PABLO AVE. CA 94706
4. Generator's Phone (415) 523-7866

A. State Manifest Document Number: 88122430

B. State Generator's ID:

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

C. State Transporter's ID: 10623

D. Transporter's Phone: (415) 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: REFINERIES SERVICE 13331 NO. HWY 33 PATTERSON, CA 95363
10. US EPA ID Number: CAD081166728

G. State Facility's ID:

H. Facility's Phone: (209) 892-6742

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NON-RCRA HAZARDOUS WASTE LIQUID	001	TT	3800	G	State 223 EPA/Other NONE
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above

1. WATER 99%
2. GAS 1%

NO. 893-4

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

15. Special Handling Instructions and Additional Information

GLOVES AND SAFETY GLASSES

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

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

Printed/Typed Name	Signature	Month Day Year
NOORI AMELI	[signature]	11 09 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
JERRY E. BROWN	Jerry E Brown	11 09 90

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

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS

To: P.O. Box 400, Sacramento, CA 95812-0400

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

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

8 8120262

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAG990527736
Manifest Document No.: 71212
2. Page 1 of 01
Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address: 400 SAN PABLO AVE ALBANY CA 94706
4. Generator's Phone (415) 523-7066

A. State Manifest Document Number: 88120262
B. State Generator's ID:

5. Transporter 1 Company Name: ERICKSON TRUCKING
6. US EPA ID Number: CAD009466392
C. State Transporter's ID: 06232
D. Transporter's Phone: 415) 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: REFINERIES SERVICE 1???1 ?? HWY 33 PATTERSON CA 95363
10. US EPA ID Number: CAD083166728
G. State Facility's ID:
H. Facility's Phone: 209 892-6742

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NON-RCRA HAZARDOUS WASTE LIQUID	001	TT	5000	G	State 223 EPA/Other NONE
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
1- WATER 99%
2- GAS 1%
No 8193-4

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

15. Special Handling Instructions and Additional Information
GLOVES AND SAFETY GLASSES

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

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

Printed/Typed Name: FRANK HAMEN
Signature: [signature]
Month Day Year: 11 11 0 8 8

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: WALFRED D DAVIS
Signature: [signature]
Month Day Year: 11 1 1988

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:

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

ALPHA GEO SERVICES INC.

GENERAL ENGINEERING CONTRACTOR LICENSE NO. 507520

298 BROKAW Rd. Phone (408) 988-1055
SANTA CLARA, Ca. 95050 Fax (408) 988-3343

January 9, 1991

File No. TR49

Kamur Industries, Inc.
2351 Shoreline Drive
Alameda, California 94501

ATTENTION: MR. MURRAY STEVENS

REFERENCE: REMOVAL OF 3 UNDERGROUND STORAGE TANKS
Located at 400 San Pablo Avenue, in
Albany, California.

Dear Mr. Stevens:

Per your request and authorization, our firm has provided underground storage tank removal services for the above referenced site.

After obtaining all the necessary permits from the Alameda County Department of Environmental Health-Hazardous Materials Division, three 10,000 gallon gasoline storage tanks and associated piping were removed on November 6, 1990.

The tanks were transported under a Uniform Hazardous Waste Manifest by Erickson, Inc. to their facility in Richmond, California for disposal.

File No. TR49

During initial excavation of the tanks, one monitoring well (Figure 2) was destroyed, by excavation, under permit from the Alameda County Flood Control and Water Conservation District (Zone 7).

After removal of the tanks, soil samples were taken from the base of the tank excavation by Soil Tech Engineering, Inc. under the supervision of Mr. Gil Wister of the Alameda County Health Care Services Division-Hazardous Materials Program. The results of the sampling and analysis will be submitted by Soil Tech Engineering, Inc. in a separate report.

Enclosed, please find copies of vicinity map, a site plan showing the location of the tanks and all the permits and manifest papers.

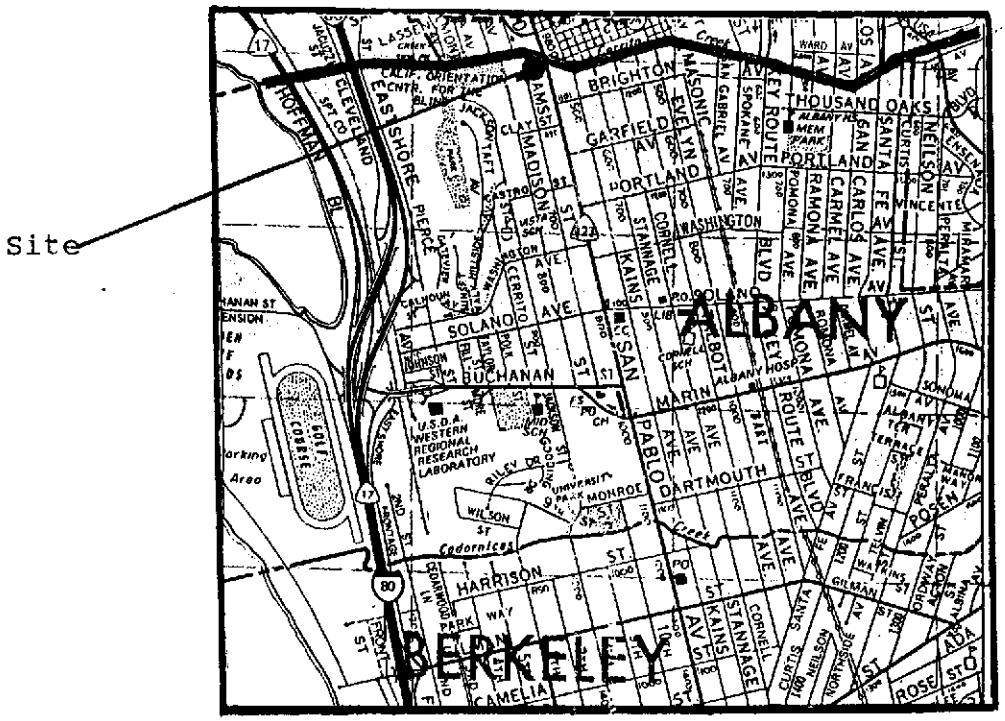
We recommend that a copy of this report be forwarded to the proper state and local regulatory agencies.

If you have any questions or require additional information, please feel free to contact our office at your convenience.

Sincerely,

ALPHA GEO SERVICES

Frank Hamedi-Fard
General Manager



Thomas Brothers 1982 Edition
Alameda County
Page 1 D-2

Figure 1

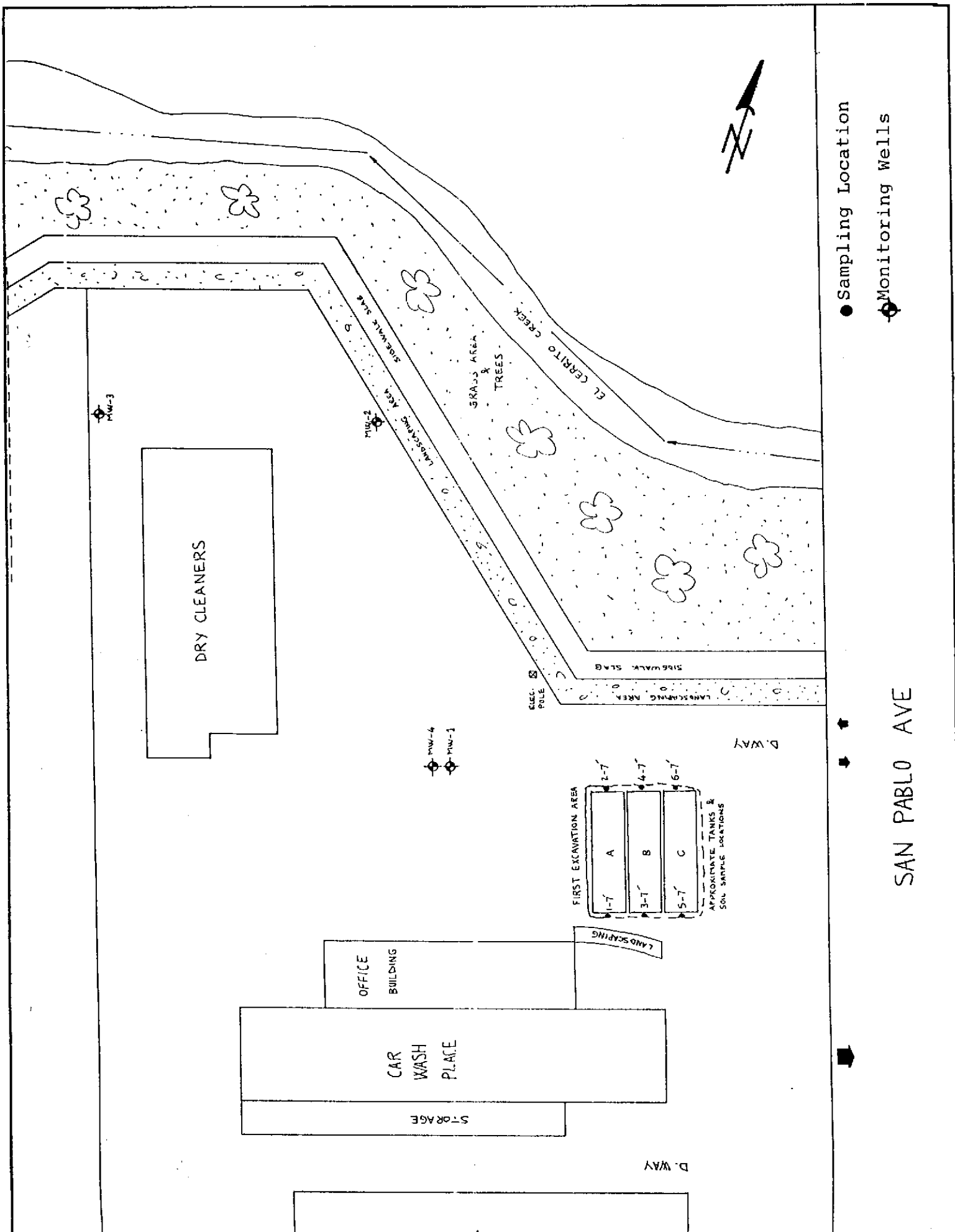


Figure 2 ALPHA GEO SERVICES

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

90 OCT 16 AM11:36

ACCEPTED 10/24/90

DEPARTMENT OF ENVIRONMENTAL HEALTH

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

All piping to be removed with tanks.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name: Plaza Car Wash
   Business Owner: Mr. Murray Stevens
2. Site Address: 400 San Pablo Avenue
   City: Albany, CA Zip: 94706 Phone: 415-523-7866
3. Mailing Address: 2351 Shoreline Drive
   City: Alameda, CA Zip: 94501 Phone: 415-523-7866
4. Land Owner: Mr. & Mrs. George and June Ososke
   Address: 400 San Pablo Avenue City, State: Albany, CA Zip: 94706
5. EPA I.D. No.: CAC 000527736
6. Contractor: Alpha Geo Services
   Address: 298 Brokaw Road
   City: Santa Clara, CA 95050 Phone: 408-988-1032
   License Type: General "A" & C57 ID#: 507520
7. Consultant: Soil Tech Engineering, Inc.
   Address: 298 Brokaw Road
   City: Santa Clara, CA 95050 Phone: 408-496-0265

8. Contact Person for Investigation

Name Mr. Frank Hamedi-Fard Title General Manager

Phone (408) 496-0265

9. Total No. of Tanks at facility 3

10. Have permit applications for all tanks been submitted to this office? Yes [X] No [ ]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name Refineries Service, Inc. EPA I.D. No. CAD 08166728

Address P.O. Box 1171

City Patterson State CA Zip 95363

b) Rinsate Transporter

Name Refineries Service, Inc. EPA I.D. No. CAD 08166728

Address P.O. Box 1171

City Patterson State CA Zip 95363

c) Tank Transporter

Name Erickson, Inc. EPA I.D. No. CAD 0009466392

Address 255 Parr Boulevard

City Richmond State CA Zip 94801

d) Tank Disposal Site

Name Erickson, Inc. EPA I.D. No. CAD 0009466392

Address 255 Parr Boulevard

City Richmond State CA Zip 94801

e) Contaminated Soil Transporter

Name Erickson, Inc. EPA I.D. No. CAD 0009466392

Address 255 Parr Boulevard

City Richmond State CA Zip 94801

12. Sample Collector

Name Noori Ameli Staff Engineer

Company Soil Tech Engineering, Inc.

Address 298 Brokaw Road

City Santa Clara State CA Zip 95050 Phone 408-496-0265

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
10,000 gal.	Regular Gasoline	None Taken	
10,000 gal.	Unleaded Gasoline	None Taken	
10,000 gal.	Super Unleaded Gasoline	None Taken	

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

If yes, describe. PIPES LEAKED

15. NFPA methods used for rendering tank inert? Yes [X] No [ ]

If yes, describe. Dry ice. 20 pounds of dry ice per 1,000 gallon.

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name Anametrix, Inc.

Address 1961 Concourse Drive, Suite E

City San Jose State CA Zip 95131

State Certification No. 151

(F1)

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number		EPA, DHS, or Other Analysis Number
Gasoline	TPHg/BTEX	5030/8020	GCIFD

18. Submit Site Safety Plan

19. Workman's Compensation: Yes [X] No [ ]

Copy of Certificate enclosed? Yes [X] No [ ]

Name of Insurer State Compensation Insurance Fund

20. Plot Plan submitted? Yes [X] No [ ]

21. Deposit enclosed? Yes [X] No [ ]

22. Please forward to this office the following information within 60 days after receipt of sample results.

a) Chain of Custody Sheets

b) Original Signed Laboratory Reports

c) TSD to Generator copies of wastes shipped and received

d) Attachment A summarizing laboratory results

ED

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 Saftey and Health Administration) requirements concerning personnel and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. 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.

Signature of Contractor

Name (please type) Frank Hamedi-Fard

Signature [signature]

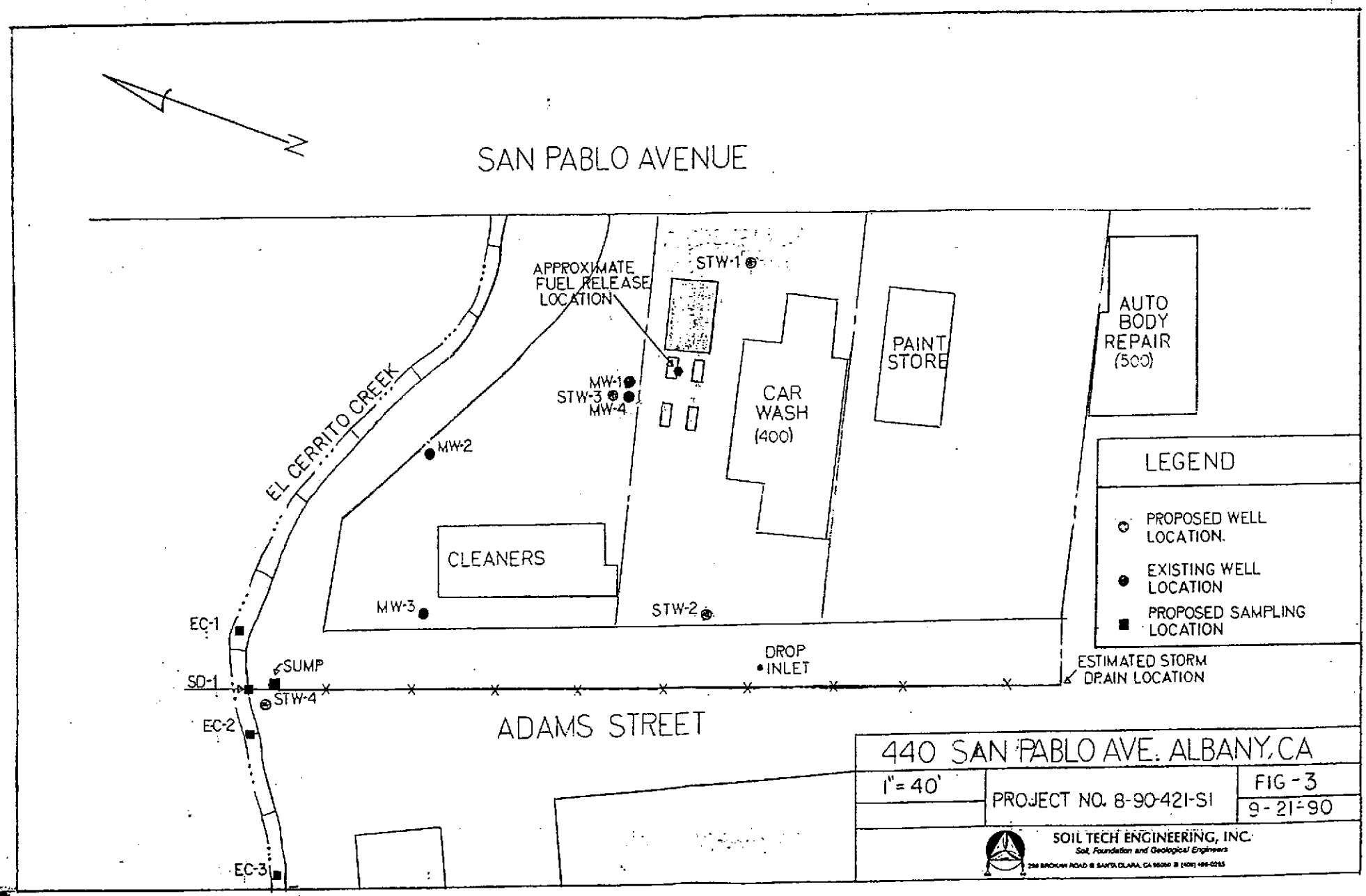
Date 10-11-90

Signature of Site Owner or Operator

Name (please type) Murray Stevens

Signature [signature] (FOR MURRAY STEVENS)

Date 10-12-90


SAN PABLO AVENUE
APPROXIMATE FUEL RELEASE LOCATION
STW-1
AUTO BODY REPAIR (500)
PAINT STORE
CAR WASH (400)
MW-1
STW-3
MW-4
MW-2
EL CERRITO CREEK
CLEANERS
MW-3
STW-2
EC-1
SD-1
SUMP
STW-4
EC-2
EC-3
DROP INLET
ESTIMATED STORM DRAIN LOCATION
ADAMS STREET
LEGEND
PROPOSED WELL LOCATION.
EXISTING WELL LOCATION
PROPOSED SAMPLING LOCATION
440 SAN PABLO AVE. ALBANY, CA
1"= 40'
PROJECT NO. 8-90-421-S1
FIG - 3
9-21-90
SOIL TECH ENGINEERING, INC.
Soil, Foundation and Geological Engineers

File No. 8-90-421-SI

HEALTH AND SAFETY PLAN
FOR
KAMUR INDUSTRIES, INC.
PLAZA CAR WASH SITE
400 SAN PABLO AVENUE
ALBANY, CALIFORNIA

General:

This Health and Safety Plan (HSP) contains the minimum requirements for the subject site field work. The field activities include drilling, soil sampling and water sampling. All personnel and contractors will be required to strictly adhere with this HSP requirements.

The objective of the HSP plan is to describe procedures and actions to protect the worker, as well as unauthorized person, from inhalation and ingestion of, and direct skin contact with potentially hazardous materials that may be encountered at the site. The plan describes (1) personnel responsibilities and (2) protective equipment to be used as deemed when working on the site. At a minimum, all personnel working at the site must read and understand the requirements of this HSP. A copy of this HSP will be on-site, easily accessible to all staff and government field representative.

Personnel Responsibilities:

Key personnel directly involved in the investigation will be responsible for monitoring the implementation of safe work

practices and the provisions of this plan are (1) the drilling project supervisor and (2) Soil Tech Engineering, Inc. (STE) project field engineer. These personnel are responsible for knowing the provisions of the plan, communicating plan requirements to workers under their supervision and regulatory agencies inspectors and for enforcing the plan.

The personnel-protective equipment will be selected to prevent field personnel from exposure to fuel hydrocarbons that may be present at the site. To prevent direct skin contact, the following protective clothing will be worn as appropriate while working at the site:

1. Tyvek coveralls.
2. Butyl rubber or disposable vinyl gloves.
3. Hard hat with optional face shield.
4. Steel toe boots.
5. Goggles or safety glasses.

The type of gloves used will be determined by the type of work being performed. Drilling personnel will be required to wear butyl rubber gloves because they may have long duration contact with the subsurface materials. STE sampling staff will wear disposable gloves when handling any sample. These gloves will be charged between each sample.

Personnel protective equipment shall be put on before entering the immediate work area. The sleeves of the overalls shall be outside of the cuffs of the gloves to facilitate removal of clothing with

vicinity of the site except in designated areas. No contact lenses will be worn by field personnel.

Location and Phone Numbers of Emergency Facilities:

For emergency reasons, the closest facilities addresses and phone numbers are listed below:

Albany Fire Department	911
Alta Bates Hospital 3001 Colby at Ashby, Berkeley	(415) 540-0337

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000

REGULATION 8, RULE 40
Aeration of Contaminanted Soil and Removal of Underground Storage Tanks

NOTIFICATION FORM

☒ Removal or Replacement of Tanks
☒ Excavation of Contaminated Soil

SITE INFORMATION

SITE ADDRESS 400 San Pablo Avenue, Albany, CA
CITY, STATE, ZIP Albany, CA
OWNER NAME Kamur Industries, Inc.
SPECIFIC LOCATION OF PROJECT Same as above

TANK REMOVAL

SCHEDULED STARTUP DATE 11/5/90
VAPORS REMOVED BY:
[X] WATER WASH
[X] VAPOR FREEING (CO^2)
[ ] VENTILATION

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE 11/5/90
STOCKPILES WILL BE COVERED? YES X NO
ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):
(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME Aplha Geo Services CONTACT Frank Hamedi
ADDRESS 298 Brokaw Road PHONE (408) 988-1032
CITY, STATE, ZIP Santa Clara, California 95050

CONSULTANT INFORMATION
(IF APPLICABLE)

NAME Sbil Tech Engineering, Inc. CONTACT Frank Hamedi
ADDRESS 298 Brokaw Road PHONE (408) 496-0265
CITY, STATE, ZIP Santa Clara, California 95050

FOR OFFICE USE ONLY

DATE RECEIVED _____ BY _____ (INIT.)
CC: INSPECTOR NO. _____ DATE _____ BY _____ (INIT.)
TELEPHONE UPDATE: CALLER _____ CHANGE MADE _____
BAAQMD N # _____

3/89

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE ♦ PLEASANTON, CALIFORNIA 94566 ♦ (415) 484-2600

GROUNDWATER PROTECTION ORDINANCE PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

(1) LOCATION OF PROJECT PLAZA CAR WASH
400 SAN PABLO AVE.
ALBANY, CA 94706

(2) CLIENT
Name MURRAY T. STEVENS DBA KAMUR IND.
Address 400 SAN PABLO Phone 415-523-7866
City ALBANY, CA Zip 94706

(3) APPLICANT
Name ALPHA GEO SERVICES
Address 298 BROKAW RD. Phone 408-988-1032
City SANTA CLARA, CA Zip 95050

(4) DESCRIPTION OF PROJECT
Water Well Construction ___ Geotechnical Investigation
Cathodic Protection ___ General ___
Well Destruction EXCAVATION X Contamination ___

(5) PROPOSED WATER WELL USE
Domestic ___ Industrial ___ Irrigation ___
Municipal ___ Monitoring ___ Other ___

(6) PROPOSED CONSTRUCTION
Drilling Method:
Mud Rotary ___ Air Rotary ___ Auger ___
Cable ___ Other ___

DRILLER'S LICENSE NO. ___

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in. Depth 20 ft.
Surface Seal Depth ___ ft. Number ___

GEOTECHNICAL PROJECTS
Number of Borings ___ Maximum
Hole Diameter ___ in. Depth ___ ft.

(7) ESTIMATED STARTING DATE 11/5/90
ESTIMATED COMPLETION DATE 11/5/90

(8) I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE ___ Date 2 NOV. 90

FOR OFFICE USE

PERMIT NUMBER ___
LOCATION NUMBER ___

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic, irrigation, and monitoring wells unless a lesser depth is specially approved.

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved ___ Date ___

21989

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

72367

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD005277736 | Manifest Document No. T312617

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MR. MURRAY STEVENS
400 SAN PABLO AVE. ALBANY, CA. 94706

4. Generator's Phone (415) 523-7866

A. State Manifest Document Number 89890497

B. State Generator's ID

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

C. State Transporter's ID 106250

D. Transporter's Phone (415) 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
Erickson, Inc.
255 Parr Blvd.
Richmond, Ca. 94801

10. US EPA ID Number: CAD009466392

G. State Facility's ID CAD009466392

H. Facility's Phone (415) 235-1393

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid.	002	T P	20000	P	State 512 EPA/Other NONE
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Qty. 2 Empty Storage Tank (s) #4911, 4912
_____, _____. Tank (s) have been inerted with 15 lbs. Dry Ice per 1000 Gal. Capacity.

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

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around U.S.T.'s

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

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

GENERATOR

Printed/Typed Name: FRANK HAMADI | Signature | Month Day Year: 0690

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RICH Pollastrini | Signature | Month Day Year: 0690

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: Robert James Cox | Signature | Month Day Year: 0690

Do Not Write Below This Line

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

[illegible] THIS COPY TO DOHS WITHIN 30 DA[illegible]
[illegible] P.O. Box 3000 Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC000527736 Manifest Document No. 7131217

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MR. MURRAY STEVENS
400 SAN PABLO AVE ALBANY, CA. 94706
4. Generator's Phone (415) 523-7866

A. State Manifest Document Number 89890496
B. State Generator's ID

5. Transporter 1 Company Name ERICKSON TRUCKING INC
6. US EPA ID Number CAD009466392
C. State Transporter's ID 10625
D. Transporter's Phone 4152351393

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Erickson, Inc.
255 Parr Blvd.
Richmond, Ca. 94801
10. US EPA ID Number CAD009466392
G. State Facility's ID CAD009466392
H. Facility's Phone (415) 235-1393

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. ~~Waste Empty Storage Tank~~ NON-RCRA Hazardous Waste Solid.	001	T P	10000	P	State 512 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Qty. 1 Empty Storage Tank (s) #4913, ____, ____, ____, ____. Tank (s) have been inerted with 15 lbs. Dry Ice per 1000 Gal. Capacity.

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

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around U.S.T.'s

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

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

GENERATOR

Printed/Typed Name: FRANK HAMBDI-FARD — Signature — Month 1 Day 1 Year 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ROBERT NOIA — Signature — Month 1 Day 1 Year 90

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: Robert James Cox — Signature — Month 1 Day 1 Year 90

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

...S THIS COPY TO DOHS WITHIN 30 DAYS
...O. Box 3000, Sacramento, CA 95812

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

THIS SHIPPING ORDER

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. _____

CARRIER: Erickson, Trucking Inc. SCAC Carrier's No. 019 Date

TO: Consignee	LMC Corp.	FROM: Shipper	Erickson, Inc.
Street Destination	600 S. 4th St. Richmond, Ca. 94805 Zip	Street Origin	255 Parr Blvd. Richmond, Ca. 94801 Zip

Route: Vehicle Number

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
		NON-D.O.T. REGULATED MATERIAL NON-HAZARDOUS, GAS FREE					
		UNDERGROUND STORAGE TANKS FOR SCRAP.					
		73311/4903	NONE	N/A	N/A	N/A	NONE
		73267/4911					

Remit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE: Prepaid ☐ Collect ☐ $

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per S. Lowry

PLACARDS REQUIRED NO **PLACARDS SUPPLIED** ☐ YES ☐ NO — FURNISHED BY CARRIER

DRIVER SIGNATURE:

SHIPPER:	Erickson, Inc.
PER:	Shannan Lowry
DATE:	11-8-90
CARRIER:	
PER:	
DATE:	

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

9-BLS A3
(Rev 5/90)

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 who is a recognized authority of accuracy as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture

LMC METALS
A DIVISION OF SIMSMETAL USA CORPORATION
600 SOUTH 4th STREET
RICHMOND, CALIFORNIA 94804
(415) 236-0606

TICKET# 23915

MATL. 10201-1 UNP
PRICE / TON: $ PAY WEIGHT: 9820
TOTAL PRICE: $
ACCOUNT: 22168801
ERICKSON INC.
WEIGHT ADJUSTMENT: 0 PERCENT: *****%
INBOUND WEIGHT: 38160 Lbs.

CASH I.D.: TRUCK NO. LICENSE NO. 3E96521

DRIVER:

38160	(M)	Gross Weight Lbs.	11/08/90-	8:00	FRT. CODE: 1 COST: $ 0.00
28340		Tare Weight Lbs.	11/08/90-	8:29	
9820		Net Weight Lbs.			

Arnold Perry
SIGNATURE OF SELLER OR AGENT

Mike Castillo
LMC METALS WEIGHMASTER

2-43688

FOR SALVAGE VEHICLE SALES: I hereby certify, under penalty of perjury, that any vehicles sold have been cleared for dismantling with the Department of Motor Vehicles.

HOLD HARMLESS AGREEMENT: Seller will indemnify and hold buyer harmless from damages, demands and liabilities, including reasonable attorney's fees, resulting from the breach of any warranty hereunder and driver agrees to be responsible for damage to vehicle during unloading.

BILL OF SALE: I warrant that I am the owner (or owner's representative) of the material described hereon and have the right to sell same, that it contains no hazardous material as defined by Federal or State law and that for payment hereby received, I sell and convey title to LMC METALS.

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

THIS SHIPPING ORDER

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. ______

Carrier's No. 019

Date [redacted]

CARRIER: ~~Erickson, Trucking Inc.~~ SCAC

TO:		FROM:	
Consignee	LMC Corp.	Shipper	Erickson, Inc.
Street	600 S. 4th St.	Street	255 Parr Blvd.
Destination	Richmond, Ca. 94805 Zip	Origin	Richmond, Ca. 94801 Zip

Route: | Vehicle Number

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
		NON-D.O.T. REGULATED MATERIAL NON-HAZARDOUS, GAS FREE					
		UNDERGROUND STORAGE TANKS FOR SCRAP.					
		73263-4895	NONE	N/A	N/A	N/A	NONE
		73267-4912					

Remit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE: Prepaid ☐ Collect ☐ $

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ ______ Per ______

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per

PLACARDS REQUIRED: No

PLACARDS SUPPLIED ☐ YES ☐ NO — FURNISHED BY CARRIER
DRIVER SIGNATURE:

SHIPPER:	Erickson, Inc.	CARRIER:	
PER:	Shannan Lowry	PER:	
DATE:	11-16-90	DATE:	

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

9-BLS-A3 (Rev. 9/88)

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

WEIGHMASTER CERTIFICATE

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

LMC METALS
A DIVISION OF SIMSMETAL USA CORPORATION
600 SOUTH 4th STREET
RICHMOND, CALIFORNIA 94804
(415) 236-0606

TICKET# 20239

MATL. 10201-1 UNP
PRICE / TON:$
TOTAL PRICE:$
WEIGHT ADJUSTMENT: 0 PERCENT:*****%
INBOUND WEIGHT: 44460 Lbs.

PAY WEIGHT: 16360

CCOUNT:22168801
RICKSON INC.

ASH I.D.:

TRUCK NO. PARKER LICENSE NO. 3F66197

DRIVER:

44460	(M)	Gross Weight	Lbs.	8:55
28100		Tare Weight	Lbs.	9:07
16360		Net Weight	Lbs.	

FRT. CODE:1 COST:$ 0.00

SIGNATURE OF SELLER OR AGENT

LMC METALS WEIGHMASTER

2-40880

CUSTOMER COPY

THIS SHIPPING ORDER
must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. ______

CARRIER: Erickson, Trucking Inc. SCAC Carrier's No. 019 Date ______

TO:		FROM:	
Consignee	LMC Corp.	Shipper	Erickson, Inc.
Street	600 S. 4th St.	Street	255 Parr Blvd.
Destination	Richmond, Ca. 94805 Zip	Origin	Richmond, Ca. 94801 Zip

Route: Vehicle Number

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
3		NON-D.O.T. REGULATED MATERIAL NON-HAZARDOUS, GAS FREE					
		UNDERGROUND STORAGE TANKS FOR SCRAP.					
		73337-4968	NONE	N/A	N/A	N/A	NONE
		73265-4941					
		73267-4913					

Remit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE: Prepaid ☐ Collect ☐ $

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ ____ Per ____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of consignor)

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per

PLACARDS REQUIRED: NO

PLACARDS SUPPLIED ☐ YES ☐ NO — FURNISHED BY CARRIER
DRIVER SIGNATURE:

SHIPPER: Erickson, Inc. CARRIER:
PER: Shannan Lowry PER:
DATE: 11-15-90 DATE:

EMERGENCY RESPONSE TELEPHONE NUMBER: (   )

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading
9-BLS-A3 (Rev. 5/90)

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 who is a recognized authority of accuracy as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

LMC METALS
A DIVISION OF SIMSMETAL USA CORPORATION
600 SOUTH 4th STREET
RICHMOND, CALIFORNIA 94804
(415) 236-0606

TICKET# [illegible]
MATL. 10201-1 UNP
PRICE / TON: $
PAY WEIGHT: 10580
ACCOUNT: [illegible]160801
TOTAL PRICE: $
ERICKSON INC.
WEIGHT ADJUSTMENT: ----0 PERCENT: *****%
PARR BLVD.
INBOUND WEIGHT: 37720 Lbs.
RICHMOND , CA
CASH I.D.
TRUCK NO. LICENSE NO. [illegible]
DRIVER:
37720 (M) Gross Weight Lbs. 11/15/90 12:58 FRT. CODE: 1 COST: 0.00
27140 Tare Weight Lbs. 11/15/90 13:10
10580 Net Weight Lbs.

SALVAGE VEHICLE SALES: I hereby certify, under penalty of perjury, that any vehicles sold have been cleared for dismantling with the Department of Motor Vehicles.

HOLD HARMLESS AGREEMENT: Seller will indemnify and hold buyer harmless from damages, demands and liabilities, including reasonable attorney's fees, resulting from the breach of any warranty hereunder and driver agrees to be responsible for damage to vehicle during unloading.

BILL OF SALE: I warrant that I am the owner (or owner's representative) of the material described hereon and have the right to sell same, that it contains no hazardous material as defined by Federal or State law and that for payment hereby received, I sell and convey title to LMC METALS.

SIGNATURE OF SELLER OR AGENT

LMC METALS WEIGHMASTER

BATCHING CLERK / COMPUTER / CORPORATE COPY

№ 4911-73267

CERTIFICATE

Certified Services Company
255 Parr Boulevard
Richmond, California 94801

Day or Night
Telephone
(415) 235-1393

For: Erickson, Inc. Tank No.(s.) 4911 Location: Richmond Date: 11/8/90 Time: 0720

Test Method: Visual Gastech/1314 SMPN Last Product: Leaded Gasoline

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each 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(s)	Condition
1- 10,000 Gal. Tank	Safe for Fire Oxy 20.9% LEL- Less than 0.1%

Remarks:

In the event of any physical or atmospheric changes affecting the gas-free condition 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 than 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.

K Hughes
Representative

Title

Shannon Lowry
Inspector

CP507

№ 4912-73267
Alpm Geo

CERTIFICATE

Certified Services Company
255 Parr Boulevard
Richmond, California 94801

Day or Night
Telephone
(415) 235-1393

For: Erickson, Inc. Tank No.(s.) 4912 Location: Richmond Date: 11-15-90 Time: 9:00 a.m.

Test Method: Visual Gastech/1314 SMPN Last Product: petroleum products

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each 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(s)	Condition
1- 10,000 Gal. Tank	Safe For Fire ~~Oxy 20.9%~~ LEL-Less than 0.1%

Remarks:

In the event of any physical or atmospheric changes affecting the gas-free condition 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 than 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.

L. Dughes
Representative

Title

Jim Cap
Inspector

CP5875

№ 4913-73267
ALPHA GEO SERVICES

CERTIFICATE

Certified Services Company
255 Parr Boulevard
Richmond, California 94801

Day or Night
Telephone
(415) 235-1393

For: Erickson, Inc. Tank No.(s.) 4913 Location: Richmond Date: 73267 Time: 11-15-90

Test Method: Visual Gastech/1314 SMPN Last Product: Loaded GAS

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each 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(s)	Condition
1- 10,000 Gal. Tank	Safe For Fire Oxy 20.9% LEL-Less than 0.1%

Remarks:

In the event of any physical or atmospheric changes affecting the gas-free condition 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 than 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.

K. Hughes
Representative

Title

S. Lowry
Inspector

CP5875

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers
298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 866-0919 ■ (415) 791-6406

January 9, 1991

File No. 8-90-421-SI

Kamur Industries
2351 Shoreline Drive
Alameda, California 94501

ATTENTION: MR. MURRAY STEVENS

SUBJECT: NOVEMBER AND DECEMBER SAMPLING OF EL CERRITO CREEK LOCATED ADJACENT TO PLAZA CAR WASH 400 San Pablo Avenue, in San Pablo, California.

Dear Mr. Stevens:

Soil Tech Engineering, Inc. (STE) was retained by Kamur Industries to continue sampling of El Cerrito Creek within 48 hours following a significant rainfall greater than or equal to 0.25 inches. Samples are taken from four established sampling locations (Figure 1).

C-1 - Approximately 20 feet up-stream from the storm drain outlet

C-2 - The storm drain outlet

C-3 - Confluence of the storm drain flow and El Cerrito Creek

C-4 - 50 feet down-stream from the storm drain

Grab water samples taken at these locations were analyzed for TPH as Gasoline (TPHg) only.

During the water sampling of El Cerrito Creek on November 27, 1990 and December 18, 1990, a slight petroleum odor was noted near the storm drain; however, no sheen was noted from the storm drain discharge. The discharge from the storm drain was approximately less than 1 gallon per minute during sampling time.

The water samples from each station were collected in 40 ml VOA bottles with no headspace left in the bottle. Each VOA bottle was logged and placed in a cool ice chest and transported to state-certified laboratory accompanied with a chain-of-custody.

The analytical results are summarized in Table 1. Results of the samples taken on November 29, 1990, showed moderate levels of TPHg at the storm drain outlet (160 ppm) which decreased substantially at down-gradient station C-4. However, the results of the samples taken on December 18, 1990, showed a significant decrease in TPHg levels in stations C-2 (33.0 ppm), C-3 (0.066 ppm) and C-4 (not detected).

STE will continue monitoring El Cerrito Creek per Regional Water Quality Control Board (RWQCB) request. Analytical results will submitted monthly in a technical report by the 10th of each following month.

File No. 8-90-421-SI

If you have any questions or require additional information, please feel free to contact our office at your convenience.

Sincerely,

SOIL TECH ENGINEERING, INC.

RICHARD DOWNS
ENVIRONMENTAL EDITOR

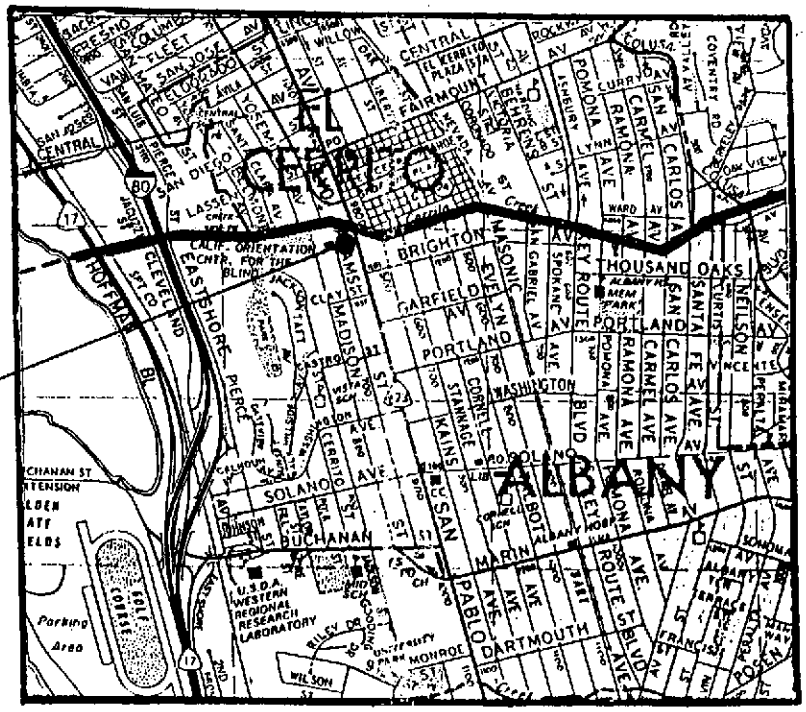
LAWRENCE KOO, P. E.
C. E. #34928

FRANK HAMEDI-FARD
GENERAL MANAGER

TABLE 1
EL CERRITO CREEK RAINFALL EVENT SAMPLING (PPT > 0.250)
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPHg)
RESULTS IN PARTS PER MILLION (ppm)

Date Sampled	Station C-1 TPHg	Station C-2 TPHg	Station C-3 TPHg	Station C-4 TPHg
08/03/89	ND	470	NS	2.700
12/08/89	ND	33	ND	ND
01/03/90	ND	99	0.900	0.800
01/15/90	ND	16	0.840	0.160
01/17/90	ND	15	ND	ND
02/02/90	ND	16	0.060	0.130
02/08/90	ND	7	0.100	0.140
02/19/90	ND	26	0.030	0.200
03/06/90	0.065	30	0.600	0.120
03/13/90	ND	30	0.360	0.100
04/06/90	ND	42	3.000	0.400
11/27/90	ND	160	4.400	0.055
12/18/90	ND	33	0.066	ND

PPT = Rainfall Precipitation
NS = Not Sample
ND = Not Detected (Below Detection Limit)



THOMAS BROS. MAP, 1982 EDITION
ALAMEDA COUNTY

PAGE 1 D2

FIGURE 1

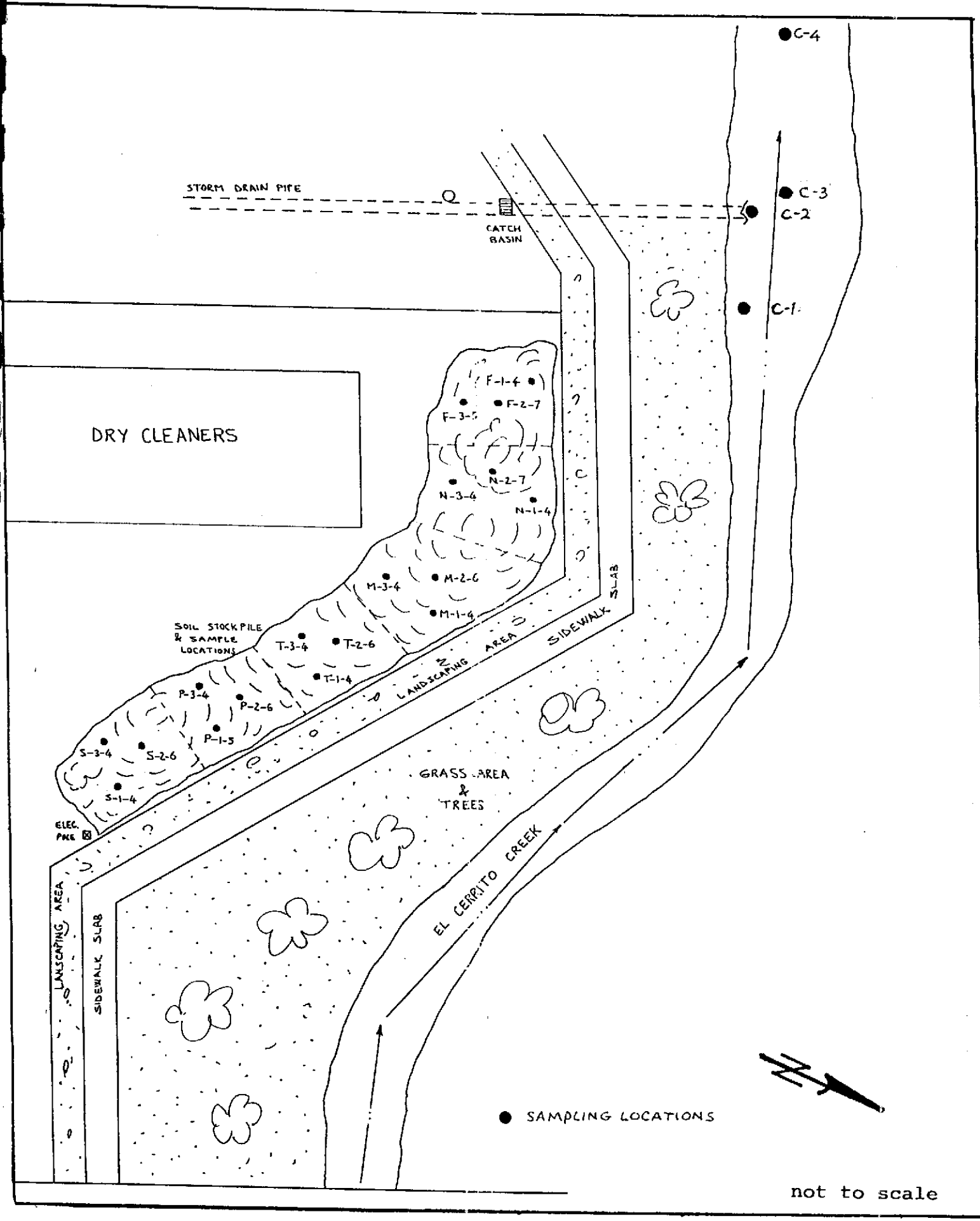

C-4
STORM DRAIN PIPE
C-3
C-2
CATCH BASIN
C-1
DRY CLEANERS
F-1-4
F-2-7
F-3-
N-2-7
N-3-4
N-1-4
M-3-4
M-2-6
M-1-4
SOIL STOCKPILE & SAMPLE LOCATIONS
T-3-4
T-2-6
T-1-4
LANDSCAPING AREA
SIDEWALK SLAB
P-3-4
P-2-6
P-1-5
S-3-4
S-2-6
S-1-4
GRASS AREA & TREES
ELEC. PKE
EL CERRITO CREEK
LANDSCAPING AREA
SIDEWALK SLAB
SAMPLING LOCATIONS
not to scale

Figure 2

ANAMETRIX INC
Environmental & Analytical Chemistry
1961 Concourse Drive, Suite E, San Jose, CA 95131
(408) 432-8192 • Fax (408) 432-8198

REPORT

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9011234
Date Received : 11/28/90
Project ID : 8-90-421-SI
Purchase Order: N/A

The following samples were received at Anametrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9011234- 1	1
9011234- 2	2
9011234- 3	3
9011234- 4	4

This report is paginated for your convenience and ease of review. It contains 4 pages excluding the cover letter. The report is organized into sections. Each section contains all analytical results and quality assurance data related to a specific group or section within Anametrix. The Report Summary that precedes each section will help you determine which group at Anametrix generated the data. The Report Summary will contain the signatures of the department supervisor and a chemist, both of whom reviewed the analytical data. Please refer all questions to the department supervisor that signed the form.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anametrix.

Burt Sutherland
Burt Sutherland
Laboratory Director

12/13/90
Date

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9011234
Date Received : 11/28/90
Project ID : 8-90-421-SI
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9011234- 1	1	H2O	11/27/90	TPHg
9011234- 2	2	H2O	11/27/90	TPHg
9011234- 3	3	H2O	11/27/90	TPHg
9011234- 4	4	H2O	11/27/90	TPHg

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9011234
Date Received : 11/28/90
Project ID : 8-90-421-SI
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Cheryl Balman 12/11/90
Department Supervisor Date

Garth Voigt 12/11/90
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9011234
Matrix : WATER
Date Sampled : 11/27/90

Project Number : 8-90-421-SI
Date Released : 12/11/90

COMPOUNDS	Reporting Limit (ug/L)	Sample I.D.# 1 -01	Sample I.D.# 2 -02	Sample I.D.# 3 -03	Sample I.D.# 4 -04
TPH as Gasoline	50	ND	160000	4400	55
% Surrogate Recovery		145%	127%	105%	94%
Instrument I.D.		HP4	HP4	HP4	HP4
Date Analyzed		12/03/90	12/03/90	11/30/90	11/30/90
RLMF		1	1000	25	1

ND - Not detected at or above the practical quantitation limit for the method.
TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
RLMF - Reporting Limit Multiplication Factor.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Analyst — Date: 12/12/90

Supervisor — Date: 12/12/90

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9011234
Matrix : WATER
Date Sampled : 11/27/90

Project Number : 8-90-421-SI
Date Released : 12/11/90

COMPOUNDS	Reporting Limit (ug/L)	Sample I.D.# 04B1130D BLANK	Sample I.D.# 04B1203C BLANK
TPH as Gasoline	50	ND	ND
% Surrogate Recovery		79%	104%
Instrument I.D.		HP4	HP4
Date Analyzed		11/30/90	12/03/90
RLMF		1	1

ND - Not detected at or above the practical quantitation limit for the method.
TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.
RLMF - Reporting Limit Multiplication Factor.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Sarah Voight 12/11/90
Analyst Date

Cheryl Balmer 12/11/90
Supervisor Date

CHAIN OF CUSTODY RECORD

PROJ. NO.	NAME
8-90-421-SI	PLAZA CAR WASH

SAMPLERS: *(Signature)* N. Amelio

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2) TPH G	REMARKS
1	11/27/90	2:00 PM		✓	C-1	1	✓	
2	11/27/90	2:05 PM		✓	C-2	1	✓	
3	11/27/90	2:10 PM		✓	C-3	1	✓	
4	11/27/90	2:15 PM		✓	C-4	1	✓	

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Receive by: *(Signature)*
N. Amelio	11/28/90 4:40 PM	Jenny S. Campos 0940 11/29/90			
Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Relinquished by: *(Signature)*	Date / Time	Received for Laboratory by: *(Signature)*	Date / Time	Remarks	

SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 866-0919 ■ (415) 791-6406

CHAIN OF CUSTODY RECORD

PROJ. NO.	NAME
8-90-421-SI	PLAZA CAR WASH

SAMPLERS: (Signature) N. Amini

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2) TPH G	REMARKS
1	11/27/90	2 PM		✓	C-1	1	✓ cold, no bubbles	only 1 VOA vial arrived with
2	11/27/90	2 PM		✓	C-2	1	✓ bubbles, cold	Benny
3	11/27/90	2 PM		✓	C-3	1	✓ cold, no bubbles	
4	11/27/90	2 PM		✓	C-4	1	✓ bubbles, cold	Do Not Screen these samples per Cheryl 11/28/90

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Receive by: (Signature)
N. Amini	11/28/90 4 PM	Benny L. Carrasco 11/28/90 0940	Benny L. Carrasco	11/28/90 0955	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time 11/28/90 0955	Remarks Samples were in a cooler from 0955 til 1130 11/28/90	

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers
298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 866-0919 ■ (415) 791-6406

ANAMETRIX INC
Environmental & Analytical Chemistry
1961 Concourse Drive, Suite E, San Jose, CA 95131
(408) 432-8192 • Fax (408) 432-8198

REPORT

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9012209
Date Received : 12/19/90
Project ID : 8-90-421-SI
Purchase Order: N/A

The following samples were received at Anametrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9012209- 1	1
9012209- 2	2
9012209- 3	3
9012209- 4	4

This report consists of 4 pages not including the cover letter, and is organized in sections according to the specific Anametrix laboratory group or section which performed the analysis(es) and generated the data. The Report Summary that precedes each section will help you determine which Anametrix group is responsible for those test results, and will bear the signatures of the department supervisor and the chemist who have reviewed the analytical data. Please refer all questions to the department supervisor who signed the form.

Anametrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234. A detailed list of the approved fields of testing can be obtained by calling our office, or the DHS Environmental Laboratory Accreditation Program at (415)540-2800.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anametrix.

Burt Sutherland
Laboratory Director

1-7-91
Date

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9012209
Date Received : 12/19/90
Project ID : 8-90-421-SI
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9012209- 1	1	H2O	12/18/90	TPHg
9012209- 2	2	H2O	12/18/90	TPHg
9012209- 3	3	H2O	12/18/90	TPHg
9012209- 4	4	H2O	12/18/90	TPHg

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9012209
Date Received : 12/19/90
Project ID : 8-90-421-SI
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Cheryl Balsmeier 1/8/91
Department Supervisor Date

Irma Shor 1/8/91
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9012209
Matrix : WATER
Date Sampled : 12/18/90

Project Number : 8-90-421-SI
Date Released : 01/07/91

	Reporting Limit	Sample I.D.# 1	Sample I.D.# 2	Sample I.D.# 3	Sample I.D.# 4	
COMPOUNDS	(ug/L)	-01	-02	-03	-04	
TPH as Gasoline	50	ND	33000	66	ND	
% Surrogate Recovery		94%	103%	77%	76%	
Instrument I.D.		HP8	HP8	HP8	HP8	
Date Analyzed		12/30/90	12/31/90	12/30/90	12/30/90	
RLMF		1	100	1	1	

ND - Not detected at or above the practical quantitation limit for the method.
TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
RLMF - Reporting Limit Multiplication Factor.
Anametrix control limits for surrogate recovery are 50-150%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Analyst 01-07-91 Date

Supervisor Cheryl Balmer 1/7/91 Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9012209
Matrix : WATER
Date Sampled : 12/18/90

Project Number : 8-90-421-SI
Date Released : 01/07/91

COMPOUNDS	Reporting Limit (ug/L)	Sample I.D.# 08B1230B BLANK	Sample I.D.# 08B1231A BLANK
TPH as Gasoline	50	ND	ND
% Surrogate Recovery		76%	92%
Instrument I.D.		HP8	HP8
Date Analyzed		12/30/90	12/30/90
RLMF		1	1

ND - Not detected at or above the practical quantitation limit for the method.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.
RLMF - Reporting Limit Multiplication Factor.
Anametrix control limits for surrogate recovery are 50-150%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Steve Swisher 01-07-91
Analyst Date

Cheryl Balmer 1/7/91
Supervisor Date

9012209 (2) 3-2 17:15 Anametrix

CHAIN OF CUSTODY RECORD

PROJ. NO. 8-90-421-SI

NAME Kamuk Industries

SAMPLERS: (Signature) Frank Hamedi

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2) TPHg	REMARKS
1	12/18/90	11:00		X		1	X	Only one voa of sample for #1 thru 4. 12-19-90
2	12/18/90	11:00		X		1	X	
3	12/18/90	11:00		X		1	X	
4	12/18/90	11:00		X		1	X	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Receive by: (Signature)
	12-19-90 1640	Jenny L. Carrizosa	Jenny L. Carrizosa	12-19-90 1700	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: NTA	

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers

CHAIN OF CUSTODY RECORD

Anametrix

PROJ. NO.	NAME
8-90-421-SI	Kamuk Industries

SAMPLERS: *(Signature)* Frank Hamedi

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2) TPHg	REMARKS
1	12/18/90	11:00		X		1	X	
2	12/18/90	11:00		X		1	X	
3	12/18/90	11:00		X		1	X	
4	12/18/90	11:00		X		1	X	

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Receive by: *(Signature)*
	12-18-90 1640	Tommy L. Carrizosa			
Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Relinquished by: *(Signature)*	Date / Time	Received for Laboratory by: *(Signature)*	Date / Time	Remarks	
				NTA	

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers