Soil and Groundwater Sampling
6973 Village Parkway, Dublin, California

May, 1991

Prepared By:

Gold Coast Technologies
101 Mill Drive
Ventura, CA 93001

Project: 91-04.1

GOLD COAST TECHNOLOGIES

May 2, 1991

Mr. Roger Woodward
Coorwood Car Wash
POB 2688
Dublin, CA 94568
415-828-5151

Dear Mr. Woodward:

Please find the enclosed report "Soil and Groundwater Sampling, 6973 Village Parkway, Dublin, California".

The report covers information obtained during the subsurface investigation of the facility and includes findings, conclusions and recommendations.

If you have any questions or need additional information, please feel free to call anytime. Thank you.

Sincerely,

Darren Rieck
Project Manager

enclosures

Hasan and Associates
CIVIL, MUNICIPAL AND ENVIRONMENTAL ENGINEERS

May 1, 1991

CERTIFICATION

Soil and groundwater sampling for underground tanks at 6973 Village Parkway, Dublin, CA and the interpretation of data generated have been conducted by formally educated and trained personnel working under my general supervision. The field procedures and observational criteria used in their preparation are according to protocols either generated or reviewed and approved by me.

Mohammed A. Hasan
Calif. Professional Engineer # 31739
Calif. Regist. Environmental Assessor # 1827

2436 EAST THOMPSON BOULEVARD • POST OFFICE BOX 6385 • VENTURA, CALIFORNIA 93006 • (805) 656-1767

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I. INTRODUCTION

Coorwood Car Wash is located at 6973 Village Parkway, at the corner of Village Parkway and Lewis Avenue in the City of Dublin, California (Figure I).

The site contains two (2) 10,000 gallon underground storage tanks (UST's) containing unleaded and premium unleaded products.

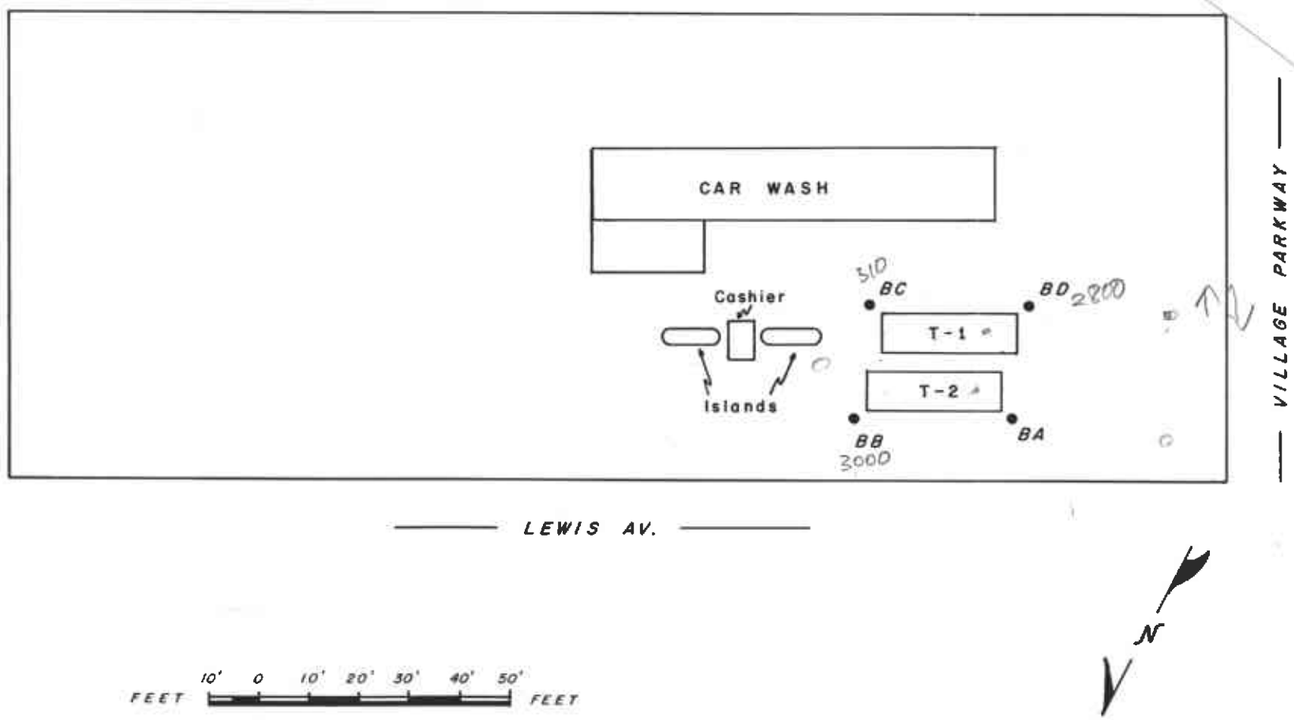
TANK	CAPACITY (Gallons)	PRODUCT
1	10,000	No lead
2	10,000	Super

Timmerman Engineering Construction replaced old dispensing units, set new islands and removed the existing underground piping and replaced it with double walled fiberglass piping.

Gold Coast Technologies, Inc. (GCT) was retained to provide interior tank lining and cathodic protection for the two (2) 10,000 gallon tanks. During the cathodic protection anode placement, a subsurface investigation through soil and groundwater sampling was undertaken. To assess the subsurface conditions around the tank cluster, four (4) boreholes were drilled to the ground water beneath the site.

The scope of assessment services will be limited to the site specific information gathered during the drilling of these boreholes only. Specific information on potential ground water uses, water wells in the area, surrounding contaminated sites, mean sea level and other hydrogeological information may be obtained at the Alameda County Environmental Health Hazardous Materials Division, or the District 2 for the Regional Water Quality Board.

Boring	Depth
BA	20'
BB	15'
BC	20'
BD	15'



GOLD COAST TECHNOLOGIES

CORWOOD CAR WASH

6973 Village Pkwy.

Dublin, CA.

LOCATION MAP NO SCALE

II. GEOLOGY AND HYDROLOGY

The sediments found beneath the site consist of dark grey organic clays with a slight sand content from the five foot sample to dark to light grey inorganic clays with no sand content at the fifteen to twenty foot depths. These sediments are not conducive to migration, though some migration over time may be experienced.

A drilling and sampling program was designed and executed on April 1, 1991 to provide the necessary information to complete the site investigation.

III. SAMPLING PROTOCOL

A. The soil sampling protocol is contained in **Appendix A.** Using a B-75 Mobile Rotary Rig, four (4) boreholes around the tank cluster were drilled. The boreholes were drilled to the top of the water table, upon which water samples were taken.

B. **Table 1** contains a summary of the soil laboratory analysis results.

C. **Table 2** contains a summary of the water laboratory analysis results.

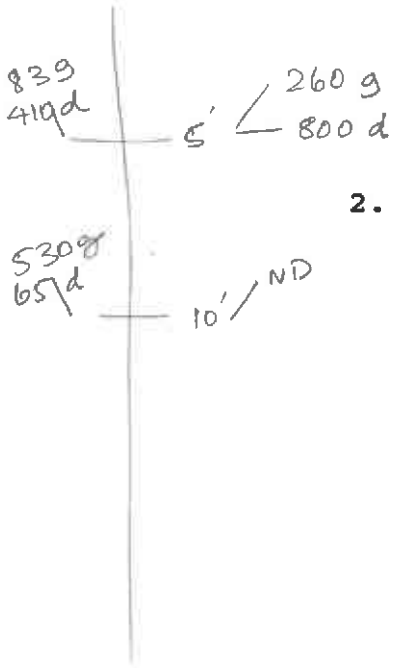
Boring logs, chain of custody and laboratory results are contained in **Appendix B.**

IV. CONCLUSIONS

Appendix C contains inventory records from October 15, 1990 through March 6, 1991. These records demonstrate considerable fluctuation and do not offer substantiating information, but are included for review purposes. The tank system records do not indicate any repairs, but overfill protection was only recently installed, thus, leaving considerable time for years of overfilling.

A. SOIL

1. The sediments surrounding the tank cluster show 260 ppm TPH-gas and 800 ppm TPH-diesel at boring BB at five feet and very low to non-detectable levels at the ten foot sample. Boring BC showed 83 ppm TPH-gas and 410 ppm TPH-diesel at the five foot level and boring BD contained 530 ppm TPH-gas and 65 ppm TPH-diesel and 88 ppm xylene [redacted] ten foot sample (Table 1).



2. Study of the soil samples indicate that all levels encountered exist within the first ten feet, higher at the five foot samples.

a. BB

BB-5 shows the highest levels with BB-10 showing non-detectable to much lower levels. The soil boring concludes with non-detect at BB-15.

b. BC

BC-5 shows low levels, but the deeper samples indicate non-detect.

c. BD

BD-10 shows low levels concluding with the fifteen foot sample showing non-detect.

Table 1 Soil Laboratory Analysis Summary mg/kg

Sample #	TPH-G	B	T	X	E	Pb	TPH-D
BA-5	ND	ND	ND	ND	ND	5.1	ND
BA-10	.6	ND	ND	ND	ND	6.4	13
BA-15	ND	ND	ND	ND	ND	4.3	ND
BA-20	ND	ND	ND	ND	ND	7.2	ND
BB-5	[illegible]	[illegible]	ND	.78	5.1	11	[illegible]
BB-10	1.4	ND	ND	.012	.007	11.7	26
BB-15	ND	ND	ND	ND	ND	4.7	ND
BC-5	83	[illegible]	ND	ND	2.6	4.4	[illegible]
BC-10	ND	ND	ND	ND	.006	7.0	ND
BC-15	ND	ND	ND	ND	ND	5.0	ND
BC-20	ND	ND	ND	ND	ND	10.1	ND
BD-5	ND	.012	ND	ND	ND	3.9	ND
BD-10	530	1.8	22	88	16	5.6	65
BD-15	ND	ND	ND	ND	ND	5.6	ND

B. **WATER**

1. Ground water was encountered at approximately fifteen feet for each boring excepting BC, where the water table was sampled at twenty feet (Table 2).

2. The sampling took place during a light rain with every attempt to prevent surface infiltration. There is the possibility that water migrated from the surface, or down the sides of the boring prior to the water sampling.

Part, (1), are analysis by Anamatrix Laboratories and Part, (2), are from Coast to Coast Laboratories.

a. BA-15 H2O

(1) BA-15 H2O, reveals low to non-detect.

(2) BA-15 is non-detectable.

b. BB-15 H2O

(1) BB-15 H2O shows 3000 ppb TPH-gas, 1200 ppb benzene, 22 ppb toluene, 45 ppb xylene and 81 ppb ethylbenzene.

(2) BB-15 shows very similar levels.

c. BC-20 H2O

(1) BC-20 H2O reveals low to non-detect.

(2) BC-20 is non-detectable.

d. BD-15 H2O

(1) BD-15 H2O shows 2800 ppb TPH-gas, 490 ppb benzene, 170 ppb toluene, 380 ppb xylene and 140 ppb ethylbenzene.

(2) BD-15 shows similar levels.

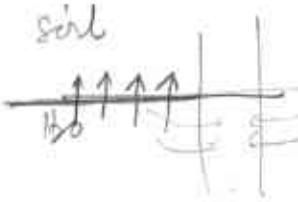
3. Levels for the water are expressed in parts per billion. The samples were taken without the aid of a properly developed water monitoring well and the drill rig auger was not steam cleaned on site, leaving room for cross contamination from the drilling at the higher end of the boring.

but were augers cleaned between borings.

Table 2 Water Laboratory Analysis Summary ug/L

Sample #	TPH-G	B	T	X	E	Pb	TPH-D
BA-15	ND	1.6	ND	ND	1.1	13 *	ND *
BB-15	3000	1200	22	45	81	10 *	ND *
BC-20	310	24	ND	36	13	ND *	ND *
BD-15	2800	490	170	380	140	11 *	ND *

* The samples were taken from Coast To Coast analytical only.



V. Recommendations:

The recommendations for this site are limited to the four (4) borings and samples taken surrounding the tank cluster.

- There exists some gasoline and diesel levels in the soil, mostly at the five foot level with some extending to the ten foot level. However, these levels are non-detectable below ten feet. Study of these borings do not indicate that the areas assessed for this report are effecting ground water quality.

- The ground water samples appear to indicate low levels of each of the contaminants tested for in BB-15 H2O and BD-15 H2O. The reporting limits for this area, as given by the Regional Board for the Alameda County District, are 50 ppb for gasoline and diesel and .5 ppb for BTEX. Some of the levels are above the reporting limits, but the source of these constituents remains unanswered. Further investigation of the background levels normally found in the area and of other potential sources in the vicinity is warranted.

- If further sampling is required for this site, the auger should be replaced or steam cleaned at five foot intervals, and a water well must be properly developed prior to water sampling.

VI. Limitations

In connection with an environmental audit or assessment of a site, only a limited amount of service can be performed within times and budgets available under the existing scope of services. As a result, GCT, despite, the use of reasonable care, may fail to detect hazardous substances or underground tanks or may incorrectly determine the concentrations of hazardous substances which are present.

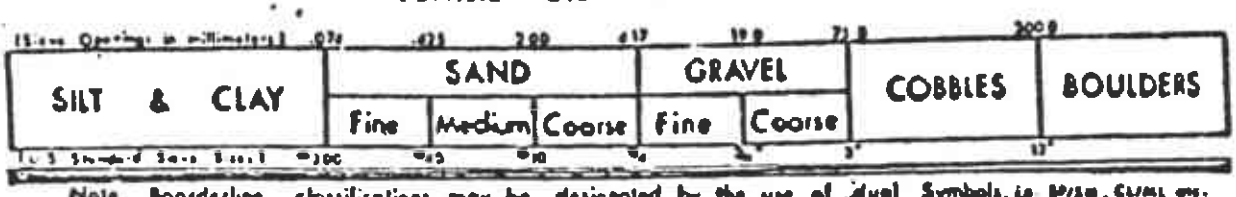
GCT and Hasan & Associates assumes no responsibility for conditions which did not come to its actual knowledge or for conditions not recognized as environmentally unacceptable at the time this report was prepared.

APPENDIX A

Unified Soil Classification System

Major Divisons			Group Symbols	Soil Description
COARSE GRAINED SOIL (More Than 50% Material Larger Than The #200 Sieve)	GRAVEL (More Than 50% Material Larger Than #4 Sieve)	Clean GRAVEL (Less Than 5% Fines)	GW	Well Graded Gravel, Sandy GRAVEL. Must have an equal distribution of Fine and Coarse Gravel.
			GP	Poorly Graded Gravel, Sandy GRAVEL. Gap Graded, little or no Fines.
		GRAVEL With Fines (More Than 12% Fines)	GM	Silty Gravel, Silty, Sandy GRAVEL.
			GC	Clayey GRAVEL, Clayey, Sandy GRAVEL.
	SAND (More Than 50% Material Smaller Than #4 Sieve)	Clean SAND (Less Than 5% Fines)	SW	Well Graded Sand, Gravelly SAND. Must have an equal distribution of fine, medium, and coarse Sand.
			SP	Poorly Graded Sand, Gravelly SAND. Gap Graded, little or no fines.
		SAND With Fines (More Than 12% Fines)	SM	Silty SAND, Silty, Gravelly SAND.
			SC	Clayey SAND, Clayey, Gravelly SAND.
FINE GRAINED SOIL (More Than 50% Material Smaller Than The #200 Sieve)	SILT & CLAY (Liquid Limit Less Than 50)		ML	Inorganic Silt, Sandy or Clayey SILT. Low to No plasticity
			CL	Inorganic Clay, Sandy or Silty CLAY. Low to Medium plasticity.
			OL	Organic SILT or Organic Silty CLAY. Low to Medium plasticity
	SILT & CLAY (Liquid Limit More Than 50)		MH	Inorganic SILT, Micaceous or Diatomaceous Sandy SILT, Elastic SILT, Medium to High plasticity.
			CH	Inorganic CLAY with High plasticity.
			OH	Organic CLAY & SILT with High plasticity.
HIGHLY ORGANIC SOIL			PT	PEAT & other Highly Organic soils.

Particle Size Limits



Note Boarderline classifications may be designated by the use of dual Symbols, i.e. SP/SM, CL/ML etc.

SOIL SAMPLING PROTOCOL

1. Samples of soil will be bagged 5,10,15,20,30, and 40 foot depths and at the bottom of the discovery well if shorter than 40 feet or deeper than 40 feet. selected core(s) will also be taken in a boring(s) at each tank site.

2. For standard truck mounted auger borings, 6 to 10 inch diameter, the core sampler will be a modified Porter or California model with 2.5 inch diameter brass tube liners. For contaminant plume tracking borings, 1 to 4 inches in diameter drilled by one or two-man portable rigs, the core sampler will be a T-bar core sampler with 0.9 inch diameter cellulose acetate liner or brass liner.

3. The corer will be steam cleaned prior to delivery to the job site.

4. The brass tube liners will be washed in a trisodium phosphate (TSP) and rinsed with fresh water prior to delivery to the site. Cellulose acetate liners are single use only, a new clean liner is used each time.

5. On the site , between each use in wells around chemical tanks, and on all programs for the California Regional Water Quality Control Board, the sampling equipment will be brushed and steam cleaned.

6. On the site, between each use in wells around fuel tanks, the corer will be brushed and washed with TSP and water.

7. The corer will be carefully assembled in a clean work area and carefully run down hole. The Porter corer will be driven by a 140 lb. hammer. The T-Bar corer is driven by an electric impact hammer.

8. When driven the proper distance, the corer will be retrieved and opened in a clean work area. The liners will be removed, the ends immediately sealed in aluminum foil (or teflon seals) capped with the plastic end caps, taped, labeled and placed in the chilled storage container.

9. The soil samples will be maintained and transported, in a chilled state, to the State-Certified laboratory. Under normal circumstances, they will be transported within two (2) days, but in no case will it be more than the allowed EPA standard.

10. Proper Chain of Custody forms will be filled out on site and signed. These will be maintained with the samples and delivered to the laboratory.

11. Laboratory documentation will be included with the results.

12. Discrete (non-composited) soil samples will be analyzed to routine levels commonly acceptable to the EPA method. Practicable quantification limits for low level concentrations containing halogenated volatiles will be achieved when required. Composited samples, when appropriate to the investigation, will be analyzed to required levels of concentration.

DISCOVERY WELL DRILLING PROTOCOL

1. Call Underground Service Alert "Call before you dig" at least 48 hours in advance.

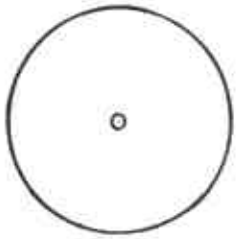
2. Set up traffic barriers around the work site.

3. Drill 3/4-inch hole through concrete/asphalt at desired spot for well placement. Vibra probe to 3 to 5 foot depth.

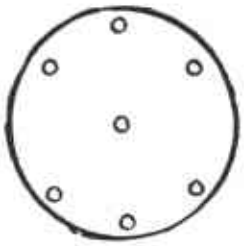
4. If no obstructions are found on initial probing, use a masonry saw, cut a nine inch diameter core through concrete/asphalt. Remove core using the probe hole.

   Inspect soil composition for improper or illegal fill surrounding the tanks, i.e., large rocks (8 inch or more long), Chunks of asphalt, cement, broken brick and tile. If questionable fill composition is discovered, first take samples then contact the main office to determine correct procedure.

5. Probe ground beneath concrete with Vibra Probe rod, to 6 to 8 feet in a pattern as shown below:



1). location marked and initial probing



2). Probe to 6 to 8 foot depth

6. In order to avoid cross contamination from a previous site, the drilling and sampling equipment is to be steam cleaned prior to arrival on site and use on any discovery well.

   If the program is for testing fuel tanks the augers may be brushed cleaned and hosed down between holes on the same site.

   If the program is for discovery wells near chemical tanks and /or a program for the California Regional Water Quality Control Board the augers and sampling equipment will be steam-cleaned between holes.

7. Auger drill a 6-inch diameter well using a "toothless drill bit" to prevent ripping or puncturing a tank or piping. All drilling is to be accomplished at a slow speed (at slow

speed, underground obstacles usually are noticeable by increased resistance on the drill rig, the drill bit may move slower, or a hollow metallic sound be heard). Upon contact, STOP DRILLING and remove the bit from the hole. Manually probe further down. Insert the probe at least five times to discover large obstacles. Fiberglass or metal tanks or piping will make noise and resistance will be felt on the probe rod. Frequent probing will reduce the probability of striking the tank or breaching lines or pipes.

8. Finishing the discovery well. Complete drilling as above to preplanned depth and clean out the hole. Placing the appropriate length of cleaned 2-inch diameter 0.4 inch slotted schedule 40 PVC liner into the well center and backfill with pea gravel. About 10 to 12 inches below the ground surface seal with a 2 to 3 inch bentonite layer. Prepare and finish the surface security traffic well box and cover with a fully enclosing surface seal of concrete as shown on the attached drawing.

APPENDIX B

CUSTOMER CORWOOD DATE 4-1-91 PAGE #1 OF 1

LOGGED BY D.R. DIAMETER OF BORING 8" WATER AT 15

WELL # BA

LAB RESULTS TPHppm	TLV READING PPM	DEPTH FEET	BLOW COUNT	SAMPLE #	USCS	LITHO	SOIL DESCRIPTION
		0'					Concrete cover. Fine tan sands.
ND	0	5'	3,5,6	A-5	OL		Dk grey clay w/ fine tan silty sands inter mixed.
.6	0	10'	2,4,4	A-10	OL		Dk grey moist clay w/ no fines. No odors.
ND	0	15'	3,3,6	A-15	MH		Dk grey clay. Increase moisture. No fines. No odors.
ND	0	20'	3,5,6	A-20	CH		Lighter grey, very moist. No fines.
ND				A-H2O			Water sample, no sheen no odors.

COMMENTS:

CUSTOMER CORWOOD DATE 4-1-91 PAGE #1 OF 1

LOGGED BY D.R. DIAMETER OF BORING 8" WATER AT 15

WELL # BB

LAB RESULTS TPHppm	TLV READING PPM	DEPTH FEET	BLOW COUNT	SAMPLE #	USCS	LITHO	SOIL DESCRIPTION
		0'					Concrete cover. Fine tan sands.
260	0	5'	2,3,4	B-5	OL		Dk grey organic clay. Slight odor.
1.4	0	10'	2,3,4	B-10	OL		Lighter grey organic clay. Some fines inter mixed. No odor
ND	0	15'		B-15	OL		Lt grey clay. Increase moisture.Some fines. No odors.
3.0				B-H2O			Water sample, no sheen no odors.

COMMENTS:

CUSTOMER CORWOOD DATE 4-1-91 PAGE #1 OF 1

LOGGED BY D.R. DIAMETER OF BORING 8" WATER AT 15

WELL # BC

LAB RESULTS TPHppm	TLV READING PPM	DEPTH FEET	BLOW COUNT	SAMPLE #	USCS	LITHO	SOIL DESCRIPTION
		0'					Concrete cover. Fine tan sands.
83	0	5'	2,3,4	C-5	OL		Dark grey organic clay. Slight odor.
ND	0	10'	3,4,4	C-10	OL		Lighter grey to brown clay. Some fines inter mixed. No odor.
ND	0	15'	3,4,5	C-15	OH		Lt grey to brown organic clay. Moist. Some fines. No odor
ND	0	20'	3,4,6	C-20	OH		Lt grey to brown clay. Wet sample, no odor.
.3				C-H2O			Water sample, no sheen no odors.

COMMENTS:

CUSTOMER CORWOOD DATE 4-1-91 PAGE #1 OF 1

LOGGED BY D.R. DIAMETER OF BORING 8" WATER AT 15

WELL # BD

LAB RESULTS TPHppm	TLV READING PPM	DEPTH FEET	BLOW COUNT	SAMPLE #	USCS	LITHO	SOIL DESCRIPTION
		0'					Concrete cover. Fine tan sands.
ND	0	5'	3,4,6	D-5	OL		Fine tan sands to dk grey organic clay. No odors.
530	50	10'	3,5,5	D-10	OL		Dark grey organic clay. Some fines inter mixed. Slight odor.
ND	0	15'		D-15	CH		Lt grey to brown inorganic clay. Moist. No odors.
2.8				D-H2O			Water sample, no sheen no odors.

COMMENTS:

Coast-to-Coast Analytical Services

Coast-to-Coast
Analytical Services
751 South Kellogg, Suite A
Goleta, California 93117
(805) 964-7838

Lab Number: As Listed
Collected: 04/01/91
Received: 04/05/91 @ 12:20
Tested: 04/10/91 by AMR
Collected by: Darren Rieck

ATTN: Darren Rieck
Gold Coast Technology
101 Mill Drive
Ventura, CA 93001

Sample Description:
Corwood, Waters As Listed

Digested by EPA Method 3005
by CMS on 04/09/91
Tested by EPA Method 7421

REPORT

LAB NUMBER	SAMPLE DESCRIPTION	TOTAL RECOVERABLE LEVEL FOUND - mg/l LEAD Detection Limit = 0.005 (PQL)*
GE-0546-1	BA-15	0.013
GE-0546-2	BB-15	0.010
GE-0546-3	BC-20	<0.005
E-0546-4	BD-15	0.011

*Practical Quantitation Limit

***The SOLUBLE THRESHOLD LIMIT CONCENTRATION for lead is 5.0 mg/l as listed in 22 Cal Adm Code Article 11 Section 66699 as persistent and bioaccumulative toxic substance.

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES

Ronald T. Ohta, Laboratory Manager

Mary Havlicek, Ph.D., President

MH/ro/jt
04/10/91
E0546-pb.wr1 #151

Coast-to-Coast Analytical Services

Coast-to-Coast Analytical Services, Inc.
751 S. Kellogg Avenue, Suite A
Goleta, California 93117
(805) 964-7838

Lab Number : GE0546-1
Collected : 04/01/91
Received : 04/05/91
Tested : 04/05/91
Collected by: Darren Rieck

FUEL FINGERPRINT ANALYSIS BY GC/MS FOR TPH
(Modified EPA 8240) as cited in CAL-LUFT, p. A18 (Oct. 1989)*
EXTRACTED BY EPA METHOD 5030 - Purge & Trap

ATTN: Darren Rieck
Gold Coast Technology
101 Mill Drive
Ventura, CA 93001

SAMPLE DESCRIPTION:
Corwood, BA - 15, water

Compound Analyzed	Detection Limit (#PQL) in ppm	Concentration in ppm
Benzene	0.0003	not found
Toluene	0.0003	not found
Ethylbenzene	0.0006	not found
Xylenes	0.0006	not found
1,2-Dichloroethane (EDC)	0.0003	not found
Ethylene Dibromide (EDB)	0.0003	not found
TOTAL PURGEABLE PETROLEUM HYDROCARBONS	0.5	
(Gasoline)		<0.5
(Diesel 2)		<0.5
BTX as a Percent of Fuel		not applicable
Percent Surrogate Recovery		106.

#PQL - Practical Quantitation Limit
* Cal DHS has approved use of this method for these analytes by this laboratory.
(ppm = milligrams/liter)

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES

Marissa C. Coronel, Laboratory Director

Mary Havlicek, Ph.D., President

ge0546f1.wr1
MH/jam/mc
msdg1/04/08/91

Coast-to-Coast Analytical Services

Coast-to-Coast
Analytical Services, Inc.
751 S. Kellogg Avenue, Suite A
Goleta, California 93117
(805) 964-7838

Lab Number : GE0546-2
Collected : 04/01/91
Received : 04/05/91
Tested : 04/08/91
Collected by: Darren Rieck

FUEL FINGERPRINT ANALYSIS BY GC/MS FOR TPH
(Modified EPA 8240) as cited in CAL-LUFT, p. A18 (Oct. 1989)*
EXTRACTED BY EPA METHOD 5030 - Purge & Trap

ATTN: Darren Rieck
Gold Coast Technology
101 Mill Drive
Ventura, CA 93001

SAMPLE DESCRIPTION:
Corwood, BB - 15, water

Compound Analyzed	Detection Limit (#PQL) in ppm	Concentration in ppm
Benzene	0.003	0.43
Toluene	0.003	0.015
Ethylbenzene	0.006	0.087
Xylenes	0.006	0.068
1,2-Dichloroethane (EDC)	0.003	not found
Ethylene Dibromide (EDB)	0.003	not found
TOTAL PURGEABLE PETROLEUM HYDROCARBONS	0.5	
(Gasoline)		3.3
(Diesel 2)		<0.5
BTX as a Percent of Fuel		16.
Percent Surrogate Recovery		98.

#PQL - Practical Quantitation Limit
* Cal DHS has approved use of this method for these analytes by this laboratory.
(ppm = milligrams/liter)

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES

Marissa C. Coronel, Laboratory Director

Mary Havlicek, Ph.D., President

ge0546f2.wr1
MH/mm/mc
msdg1/04/09/91

Coast-to-Coast Analytical Services

Coast-to-Coast Analytical Services, Inc.
751 S. Kellogg Avenue, Suite A
Goleta, California 93117
(805) 964-7838

Lab Number : GE0546-3
Collected : 04/01/91
Received : 04/05/91
Tested : 04/09/91
Collected by: Darren Rieck

FUEL FINGERPRINT ANALYSIS BY GC/MS FOR TPH
(Modified EPA 8240) as cited in CAL-LUFT, p. A18 (Oct. 1989)*

ATTN: Darren Rieck
Gold Coast Technology
101 Mill Drive
Ventura, CA 93001

EXTRACTED BY EPA METHOD 5030 - Purge & Trap
SAMPLE DESCRIPTION:
Corwood, BC - 20, water

Compound Analyzed	Detection Limit (#PQL) in ppm	Concentration in ppm
Benzene	0.0003	not found
Toluene	0.0003	not found
Ethylbenzene	0.0006	not found
Xylenes	0.0006	not found
1,2-Dichloroethane (EDC)	0.0003	not found
Ethylene Dibromide (EDB)	0.0003	not found
TOTAL PURGEABLE PETROLEUM HYDROCARBONS	0.5	
(Gasoline)		<0.5
(Diesel 2)		<0.5
BTX as a Percent of Fuel		not applicable
Percent Surrogate Recovery		102.

#PQL - Practical Quantitation Limit
* Cal DHS has approved use of this method for these analytes by this laboratory.
(ppm = milligrams/liter)

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES

Marissa C. Coronel, Laboratory Director

Mary Havlicek, Ph.D., President

ge0546f3.wr1
MH/mm/mc
msdg1/04/10/91

Coast-to-Coast Analytical Services

Coast-to-Coast
Analytical Services, Inc.
751 S. Kellogg Avenue, Suite A
Goleta, California 93117
(805) 964-7838

Lab Number : GE0546-4
Collected : 04/01/91
Received : 04/05/91
Tested : 04/08/91
Collected by: Darren Rieck

FUEL FINGERPRINT ANALYSIS BY GC/MS FOR TPH
(Modified EPA 8240) as cited in CAL-LUFT, p. A18 (Oct. 1989)*
EXTRACTED BY EPA METHOD 5030 - Purge & Trap

ATTN: Darren Rieck
Gold Coast Technology
101 Mill Drive
Ventura, CA 93001

SAMPLE DESCRIPTION:
Corwood, BD - 15, water

Compound Analyzed	Detection Limit (#PQL) in ppm	Concentration in ppm
Benzene	0.003	0.21
Toluene	0.003	0.081
Ethylbenzene	0.006	0.013
Xylenes	0.006	0.30
1,2-Dichloroethane (EDC)	0.003	not found
Ethylene Dibromide (EDB)	0.003	not found
TOTAL PURGEABLE PETROLEUM HYDROCARBONS	0.5	
(Gasoline)		2.3
(Diesel 2)		<0.5
BTX as a Percent of Fuel		26.
Percent Surrogate Recovery		77.

#PQL - Practical Quantitation Limit
* Cal DHS has approved use of this method for these analytes by this laboratory.
(ppm = milligrams/liter)

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES

Marissa C. Coronel

Marissa C. Coronel, Laboratory Director

Mary Havlicek

Mary Havlicek, Ph.D., President

ge0546f4.wr1
MH/mm/mc
msdg1/04/09/91

Coast-to-Coast Analytical Services

Coast-to-Coast
Analytical Services, Inc.
751 S. Kellogg Avenue, Suite A
Goleta, California 93117
(805) 964-7838

Lab Number : B040891
Collected :
Received :
Tested : 04/08/91
Collected by:

FUEL FINGERPRINT ANALYSIS BY GC/MS FOR TPH
(Modified EPA 8240) as cited in CAL-LUFT, p. A18 (Oct. 1989)*
EXTRACTED BY EPA METHOD 5030 - Purge & Trap
SAMPLE DESCRIPTION:
Instrument Blank

Compound Analyzed	Detection Limit (#PQL) in ppm	Concentration in ppm
Benzene	0.0003	not found
Toluene	0.0003	not found
Ethylbenzene	0.0006	not found
Xylenes	0.0006	not found
1,2-Dichloroethane (EDC)	0.0003	not found
Ethylene Dibromide (EDB)	0.0003	not found
TOTAL PURGEABLE PETROLEUM HYDROCARBONS	0.05	
(Gasoline)		<0.05
(Diesel 2)		<0.05
BTX as a Percent of Fuel		not applicable
Percent Surrogate Recovery		103.

#PQL - Practical Quantitation Limit
* Cal DHS has approved use of this method for these analytes by this laboratory.
(ppm = milligrams/liter)

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES

Marissa C. Coronel

Marissa C. Coronel, Laboratory Director

Mary Havlicek

Mary Havlicek, Ph.D., President

b040891f.wr1
MH/mm/mc
msdg1/04/09/91

COAST TO COAST ANALYTICAL SERVICES

141 Suburban Road • San Luis Obispo, CA 93401 • (805) 543-2553 FAX (805) 543-2685
751 S. Kellogg, Suite A • Goleta, CA 93117 • (805) 964-7838 FAX (805) 964-4386
1885 North Kelly Road • Napa, CA 94558 • (707) 257-7211 FAX (707) 226-1001
9333 Tech Center Dr., Ste. 800 • Sacramento, CA 95826 • (916) 368-1333 FAX (916) 362-2484
2400 Cumberland Dr. • Valparaiso, Indiana 46383 • (219) 464-2389 FAX (219) 462-2953

Chain of Custody

Page 1 of 1

PLEASE PRINT IN PEN

Client	Contact	Phone #	FAX #

Address | City | State | Zip

Project Name/Number | Project MGR

Bill (If different than above)

Sampler	Due Date	Circle for RUSH	Copies To:	Auth. Init.

Sample Description	Date/Time Coll'd	*Matrix	# of Containers	Pres.	Filt. y/n	Analysis	Remarks	Lab ID #
BA 15	4-1		1			FF		-1
BB 15			1			FF		-2
BC 20			1			FF		-3
BD 15			1			FF		-4

Relinquished By	Date/Time	Received By	Relinquished By	Date/Time	Received By
				4/15/11 1:20	

FOR LAB USE ONLY

Shipping Method	Shipping #	Received By	Date/Time	Condition (See Remarks) Cold	Sealed	Intact

REMARKS

* Matrix:
DW - Drinking Water
WW - Wastewater
GW - Groundwater
SW - Surface Water
IM - Impinger
FI - Filter
FP - Free Product
A/G - Air/Gas
SL - Sludge/Soil/Solid
OT - Other

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

MR. DARREN REICH
GOLD COAST
101 MILL DRIVE
VENTURA, CA 93001

Workorder # : 9104011
Date Received : 04/01/91
Project ID : N/A
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9104011- 1	BA-5	SOIL	04/01/91	TPHd
9104011- 2	BA-10	SOIL	04/01/91	TPHd
9104011- 3	BA-15	SOIL	04/01/91	TPHd
9104011- 4	BA-20	SOIL	04/01/91	TPHd
9104011- 6	BB-5	SOIL	04/01/91	TPHd
9104011- 7	BB-10	SOIL	04/01/91	TPHd
9104011- 8	BB-15	SOIL	04/01/91	TPHd
9104011-10	BC-5	SOIL	04/01/91	TPHd
9104011-11	BC-10	SOIL	04/01/91	TPHd
9104011-12	BC-15	SOIL	04/01/91	TPHd
9104011-13	BC-20	SOIL	04/01/91	TPHd
9104011-15	BD-5	SOIL	04/01/91	TPHd
9104011-16	BD-10	SOIL	04/01/91	TPHd
9104011-17	BD-15	SOIL	04/01/91	TPHd
9104011- 1	BA-5	SOIL	04/01/91	TPHg/BTEX
9104011- 2	BA-10	SOIL	04/01/91	TPHg/BTEX
9104011- 3	BA-15	SOIL	04/01/91	TPHg/BTEX
9104011- 4	BA-20	SOIL	04/01/91	TPHg/BTEX
9104011- 5	BA-15 H2O	WATER	04/01/91	TPHg/BTEX
9104011- 6	BB-5	SOIL	04/01/91	TPHg/BTEX
9104011- 7	BB-10	SOIL	04/01/91	TPHg/BTEX
9104011- 8	BB-15	SOIL	04/01/91	TPHg/BTEX
9104011- 9	BB-15 H2O	WATER	04/01/91	TPHg/BTEX

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

MR. DARREN REICH
GOLD COAST
101 MILL DRIVE
VENTURA, CA 93001

Workorder # : 9104011
Date Received : 04/01/91
Project ID : N/A
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9104011-10	BC-5	SOIL	04/01/91	TPHg/BTEX
9104011-11	BC-10	SOIL	04/01/91	TPHg/BTEX
9104011-12	BC-15	SOIL	04/01/91	TPHg/BTEX
9104011-13	BC-20	SOIL	04/01/91	TPHg/BTEX
9104011-14	BC-20 H20	WATER	04/01/91	TPHg/BTEX
9104011-15	BD-5	SOIL	04/01/91	TPHg/BTEX
9104011-16	BD-10	SOIL	04/01/91	TPHg/BTEX
9104011-17	BD-15	SOIL	04/01/91	TPHg/BTEX
9104011-18	BD-15 H20	WATER	04/01/91	TPHg/BTEX

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

MR. DARREN REICH
GOLD COAST
101 MILL DRIVE
VENTURA, CA 93001

Workorder # : 9104011
Date Received : 04/01/91
Project ID : N/A
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Bauman 4/10/91
Department Supervisor Date

Gerald Voigt 4/10/91
Chemist Date

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

Anametrix W.O.: 9104011
Matrix : WATER
Date Sampled : 04/01/91

Project Number : N/A
Date Released : 04/09/91

COMPOUNDS	Reporting Limit (ug/L)	Sample I.D.# BA-15 WATER -05	Sample I.D.# BB-15 WATER -09	Sample I.D.# BC-20 WATER -14	Sample I.D.# BD-15 WATER -18	Sample I.D.# 12B0405B BLANK
Benzene	0.5	1.6	1200	24	490	ND
Toluene	0.5	ND	22	ND	170	ND
Ethylbenzene	0.5	1.1	81	13	140	ND
Total Xylenes	0.5	ND	45	36	380	ND
TPH as Gasoline	50	ND	3000	310	2800	ND
% Surrogate Recovery		145%	147%	100%	142%	96%
Instrument I.D.		HP12	HP12	HP12	HP12	HP12
Date Analyzed		04/04/91	04/04/91	04/05/91	04/04/91	04/05/91
RLMF		1	25	5	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.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020.
RLMF - Reporting Limit Multiplication Factor.
Anametrix control limits for surrogate recovery are 53-147%.

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

Jenee Juarez 04-11-91
Analyst Date

Cheryl Balmer 4/11/91
Supervisor Date

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

Anametrix W.O.: 9104011
Matrix : WATER
Date Sampled : 04/01/91

Project Number : N/A
Date Released : 04/09/91

COMPOUNDS	Reporting Limit (ug/L)	Sample I.D.# 12B0404C BLANK
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Total Xylenes	0.5	ND
TPH as Gasoline	50	ND
% Surrogate Recovery		94%
Instrument I.D.		HP12
Date Analyzed		04/05/91
RLMF		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 Method 8020.
RLMF - Reporting Limit Multiplication Factor.
Anametrix control limits for surrogate recovery are 53-147%.

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

Heather Voight 4/10/91
Analyst Date

Cheryl Balmer 4/11/91
Supervisor Date

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

Anametrix W.O.: 9104011
Matrix : SOIL
Date Sampled : 04/01/91

Project Number : N/A
Date Released : 04/09/91

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# BA-5 -01	Sample I.D.# BA-10 -02	Sample I.D.# BA-15 -03	Sample I.D.# BA-20 -04	Sample I.D.# BB-5 -06
Benzene	0.005	ND	ND	ND	ND	1.1
Toluene	0.005	ND	ND	ND	ND	ND
Ethylbenzene	0.005	ND	ND	ND	ND	5.1
Total Xylenes	0.005	ND	ND	ND	ND	0.78
TPH as Gasoline	0.5	ND	0.6	ND	ND	260
% Surrogate Recovery		99%	112%	72%	86%	123%
Instrument I.D.		HP4	HP4	HP4	HP4	HP4
Date Analyzed		04/04/91	04/04/91	04/04/91	04/05/91	04/04/91
RLMF		1	1	1	1	25

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 Method 8020.
RLMF - Reporting Limit Multiplication Factor.
Anametrix control limits for surrogate recovery are 53-147%.

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

Garth Voigt 4/10/91
Analyst Date

Cheryl Bowman 4/10/91
Supervisor Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9104011
Matrix : SOIL
Date Sampled : 04/01/91
Date Extracted: 04/02/91

Project Number : N/A
Date released : 04/09/91
Instrument I.D.: HP9

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9104011-01	BA-5	04/02/91	10	ND
9104011-02	BA-10	04/02/91	10	13
9104011-03	BA-15	04/02/91	10	ND
9104011-04	BA-20	04/02/91	10	ND
9104011-06	BB-5	04/02/91	10	800
9104011-07	BB-10	04/03/91	10	26
9104011-08	BB-15	04/03/91	10	ND
9104011-10	BC-5	04/03/91	10	410
9104011-11	BC-10	04/03/91	10	ND
9104011-12	BC-15	04/03/91	10	ND
9104011-13	BC-20	04/03/91	10	ND
9104011-15	BD-5	04/03/91	10	ND
9104011-16	BD-10	04/03/91	10	65
9104011-17	BD-15	04/03/91	10	ND
DSBL040291	METHOD BLANK	04/03/91	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3550.

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

Irene Jurasnov 04-11-91
Analyst Date

Cheryl Balmer 4/11/91
Supervisor Date

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

Anametrix W.O.: 9104011
Matrix : SOIL
Date Sampled : 04/01/91

Project Number : N/A
Date Released : 04/09/91

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# BB-10 -07	Sample I.D.# BB-15 -08	Sample I.D.# BC-5 -10	Sample I.D.# BC-10 -11	Sample I.D.# BC-15 -12
Benzene	0.005	ND	ND	0.73	ND	ND
Toluene	0.005	ND	ND	ND	ND	ND
Ethylbenzene	0.005	0.007	ND	2.6	0.006	ND
Total Xylenes	0.005	0.012	ND	ND	ND	ND
TPH as Gasoline	0.5	1.4	ND	83	ND	ND
% Surrogate Recovery		118%	128%	136%	66%	77%
Instrument I.D.		HP4	HP4	HP4	HP4	HP4
Date Analyzed		04/05/91	04/04/91	04/05/91	04/04/91	04/04/91
RLMF		1	1	25	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 Method 8020.
RLMF - Reporting Limit Multiplication Factor.
Anametrix control limits for surrogate recovery are 53-147%.

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

Analyst Date

Supervisor Date

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

Anametrix W.O.: 9104011
Matrix : SOIL
Date Sampled : 04/01/91

Project Number : N/A
Date Released : 04/09/91

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# BC-20 -13	Sample I.D.# BD-5 -15	Sample I.D.# BD-10 -16	Sample I.D.# BD-15 -17	Sample I.D.# 04B0404A BLANK
Benzene	0.005	ND	0.012	1.8	ND	ND
Toluene	0.005	ND	ND	22	ND	ND
Ethylbenzene	0.005	ND	ND	16	ND	ND
Total Xylenes	0.005	ND	ND	88	ND	ND
TPH as Gasoline	0.5	ND	ND	530	ND	ND
% Surrogate Recovery		77%	80%	114%	99%	102%
Instrument I.D.		HP4	HP4	HP4	HP4	HP4
Date Analyzed		04/04/91	04/05/91	04/04/91	04/04/91	04/04/91
RLMF		1	1	250	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 Method 8020.
RLMF - Reporting Limit Multiplication Factor.
Anametrix control limits for surrogate recovery are 53-147%.

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

Analyst Date

Supervisor Date

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

Anametrix W.O.: 9104011
Matrix : SOIL
Date Sampled : 04/01/91

Project Number : N/A
Date Released : 04/09/91

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# 04B0405B BLANK
Benzene	0.005	ND
Toluene	0.005	ND
Ethylbenzene	0.005	ND
Total Xylenes	0.005	ND
TPH as Gasoline	0.5	ND
% Surrogate Recovery		121%
Instrument I.D.		HP4
Date Analyzed		04/05/91
RLMF		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 Method 8020.
RLMF - Reporting Limit Multiplication Factor.
Anametrix control limits for surrogate recovery are 53-147%.

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

Steve Sunseri 04-11-91
Analyst Date

Cheryl B. Gomes 4/11/91
Supervisor Date

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

MR. DARREN REICH
GOLD COAST
101 MILL DRIVE
VENTURA, CA 93001

Workorder # : 9104011
Date Received : 04/01/91
Project ID : N/A
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9104011- 1	BA-5	SOIL	04/01/91	6010
9104011- 2	BA-10	SOIL	04/01/91	6010
9104011- 3	BA-15	SOIL	04/01/91	6010
9104011- 4	BA-20	SOIL	04/01/91	6010
9104011- 6	BB-5	SOIL	04/01/91	6010
9104011- 7	BB-10	SOIL	04/01/91	6010
9104011- 8	BB-15	SOIL	04/01/91	6010
9104011-10	BC-5	SOIL	04/01/91	6010
9104011-11	BC-10	SOIL	04/01/91	6010
9104011-12	BC-15	SOIL	04/01/91	6010
9104011-13	BC-20	SOIL	04/01/91	6010
9104011-15	BD-5	SOIL	04/01/91	6010
9104011-16	BD-10	SOIL	04/01/91	6010
9104011-17	BD-15	SOIL	04/01/91	6010
9104011-20	BA,BB,BD-15,BC-20,	WATER	04/01/91	6010
9104011-19	B-SAND	SOIL	04/01/91	7420

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

Anametrix W.O.: 9104011
Matrix : SOIL
Date Sampled : 04/01/91
Project Number: N/A

Date Prepared : 04/02/91
Date Analyzed : 04/11/91
Date Released : 04/15/91
Instrument I.D.: ICP1

ELEMENTS		Lead (Pb)
EPA METHOD		6010
REPORTING LIMIT		2.0
ANAMETRIX ID	CLIENT ID	(mg/Kg)
9104011-01	BA-5	5.1
9104011-02	BA-10	6.4
9104011-03	BA-15	4.3
9104011-04	BA-20	7.2
9104011-08	BB-15	4.7
9104011-10	BC-5	4.4
9104011-11	BC-10	7.0
9104011-12	BC-15	5.0
9104011-15	BD-5	3.9
9104011-16	BD-10	5.6
9104011-17	BD-15	5.6
MB0402S	METHOD BLANK	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.

Chemist 4/15/91 Date

Chemist 4/15/91 Date

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

Anametrix W.O.: 9104011
Matrix : SOIL
Date Sampled : 04/01/91
Project Number: N/A

Date Prepared : 04/02/91
Date Analyzed : 04/11/91
Date Released : 04/15/91
Instrument I.D.: ICP1

ELEMENTS	Lead (Pb)
EPA METHOD	6010
REPORTING LIMIT	5.0
ANAMETRIX ID / CLIENT ID	(mg/Kg)
9104011-06 BB-5	11.0
9104011-07 BB-10	11.7
9104011-13 BC-20	10.1

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.

Chemist 4/15/91 Date

Chemist 4/15/91 Date

ANALYSIS DATA SHEET - TOTAL LEAD EPA METHOD 6010
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9104011
Matrix : WATER
Date Sampled : 04/01/91
Project Number: N/A

Date Prepared : 04/11/91
Date Analyzed : 04/12/91
Date Released : 04/15/91
Instrument I.D.: ICP1

		ELEMENTS	LEAD		
		EPA METHOD	6010		
		REPORTING LIMIT	40.0		
ANAMETRIX ID	CLIENT ID		(ug/L)		
9104011-20	BA,BB,BD-15,BC-20		75.0		
MB0411W	METHOD BLANK		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.

Chemist 4/15/91 Date

Chemist 4/15/91 Date

4/04011

ANAMETRIX CHAIN-OF-CUSTODY

ANAMETRIX Workorder Number: Gold Coast

Send Report Attention of: D... | Report Due: | Verbal Due:

	Sample Number	Date	Time	Comp	Grab	Station Location	Number of Cntnrs	Type of Containers	Type of Analysis: TPH GAS (TPH Diesel) (BTEX) (Lead Total)	Condition of Samples	Initial
									TPH GAS / TPH Diesel / BTEX / Lead Total		
01	BA-5	4-1-91	8:39				1	Brass	X X X X	Normal TAT	
02	BA-10	"					1	"	X X X X	"	
03	BA-15	"					1	"	X X X X	"	
04	BA20	"					1	"	X X X X	"	
05	BA-15 H2O	* "					1	Glass	X X X X	"	
06	BB-5	"	9:55				1	Brass	X X X X	"	
07	BB10	"					1	"	X X X X	"	
08	BB-15	"					1	"	X X X X	"	
09	BB-15 H2O	* "					1	Glass	X X X X	"	
10	BC-5	"	10:52				1	Brass	X X X X *	"	
11	BC-10	"					1	"	X X X X	"	
12	BC-15	"					1	"	X X X X	"	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1:45 4-1-91	[signature]	4-1-91 1345
[signature]	4-1-91 1705	[signature]	4-1-91 17:00

Remarks:

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

9104011

ANAMETRIX CHAIN-OF-CUSTODY

ANAMETRIX Workorder Number: Gold Coast

Send Report Attention of: Darren [illegible]

Report Due:

Verbal Due:

	Sample Number	Date	Time	Comp	Grab	Station Location	Number of Cntnrs	Type of Containers	Type of Analysis: TPH Gas (TPH Gas w/ BTEX)	TPH Diesel	BTEX	Lead - Total (Lead - Total BTEX)	Condition of Samples	Initial
B	BC-20	4-1-91					1	Brass	X	X	X	X	normal DM	
M	BC-20 H2O	"					1	Glass	X	X	X	X	"	
S	BD-5		BD-20				1	Brass	X	X	X	X	"	
N	BD-10						1	"	X	X	X	X	"	
M	BD-15						1	"	X	X	X	X	"	
A	BD-15 H2O						1	Glass	X	X	X	X	"	
							2							

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1:45 4-1-91	[signature]	4-1-91 1345
[signature]	4-1-91 1700	[signature]	4-1-91 17:00
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Remarks:

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

APPENDIX C

National brand 45-606 Eye-Ease® 45-706 20/20 Buff Made in USA

			1	2	3	4	5	6
			93 Book	STICK	+/-	87 Book	STICK	+/-
1	10/15	S	8810			8467		
2			302			584		
3	✓	B	+10 8508	8506	-2	7883	8059	176
4	10/16	S	240			515		
5	✓	B	+19 8268	8257	+11	7368	7337	-31
6	10/17	S	295			769		
7	✓	B	+10 7973	7996	23	6599	6642	43
8	10/18	S	72			261		
9	✓	B	+10 7901	7824	-77	6338	6514	176
10	10/19	S	428			613		
11	✓	B	+10 7473	7398	-75	5705	5823	98
12	10/20	S	298			575		
13	✓	B	+10 7175	7027	-148	5792	5958	108
14	10/21	S	361			553		
15	✓	B	+10 6914	6803	-111	4597	4788	135
16	10/22	S	231			592		
17	✓	B	+10 6683	6675	-8	4085	4222	167
18	10/23	S	204			439		
19	✓	B	+10 6479	6487	3	3716	3766	50
20	10/24	Sales	223			667		
21	✓	guarding	2384			4355		
22	✓	gun	+10 8640	8744	104	9104	9294	190
23	10/25	S	162			399		
24	✓	B	+10 8478	8612	134	8705	8770	65
25	10/26	S	351			856		
26	✓	B	+10 8187	8289	102	7849	7996	147
27	10/27	S	402			681		
28	✓	B	+10 7785	7764	39	7168	7337	169
29	10/28	S	195			444		
30	✓	B	+10 7580	7644	114	6784	6835	111
31	10/29	S	237			608		
32	✓	B	+10 7393	7337	44	6116	6252	136
33	10/30	S	141			481		
34	✓	B	+10 7152	7275	123	5635	6187	552
35	10/31	S	72			177		
36	✓	B	7080 ✓	7153	73	5468 ✓	5591	133
37	11/1	S	183			619		
38	✓	B	6897 ✓	6899	0	4839 ✓	4922	83
39	11/2	S	294			69		
40	✓	B	6603 ✓	6642	39	4148 ✓	4222	74

			1	2	3	4	5	6
			92 Book	Stick	+/-	87 Book	Stick	+/-
1	6 BF		6603			4148		
2	11/3	S	360			692		
3	✓		6243 ✓	6252	9	+104 3476	3357	181
4	11/4	S	310			401		
5	✓	gas drop	3879			5502		
6	✓	pm	8812 ✓	8896	84	+104 8577	8770	193
7	adjust October		+10			+5		
8	11/5	S	156			457		
9	✓		-33 8666	8665	-1	+20 8125	8285	160
10	11/6	S	146			403		
11	✓		8520 ✓	8612	92	7728 ✓	7888	160
12	11/7	S	211			667		
13	✓		8309 ✓	8368	59	7055 ✓	7184	129
14	11/8	S	220			671		
15	✓		8089 ✓	8116	27	6384 ✓	6482	98
16	11/9	S	270			594		
17	✓		7819 ✓	7853	34	5790 ✓	5989	199
18	11/10	S	258			459		
19	✓		7561 ✓	7644	83	5331 ✓	5659	328
20	11/11	S	178			536		
21	✓		-3 7383	7398	15	+1 4795	5056	261
22	11/12	S	209			685		
23	✓		-3 7174	7315	41	+1 4110 ✓	4222	112
24	11/13	S	167			300		
25	✓		-3 7007	7091	84	+1 3790	3924	134
26	11/14	S	48			33		
27	✓		-3 6959	6963	4	+1 3757	3858	101
28	11/15	S	273			570		
29	✓	adj. Wks + Measures	40			40		
30	✓	pm	-3 6736	6675	-51	+1 3307	3370	143
31	11/16	S	184			497		
32	✓		-8 6542	6579	37	+1 2739	2889	159
33	11/17	S	415			784		
34	✓		+35 6127	6155	28	+1 1946	1980	34
35	11/18	S	802			392		
36	✓		+35 5925	5989	64	+1 1854	1584	30
37	11/19	S	190			283		
38	✓	gas drop	2890			5260		
39	✓	pm	+35 8625	8770	145	-1 6531	6835	304
40	11/20	S	187			582		
	✓		+35 8438	8452	14	+1 6029	6252	223

National 45-606 Eye-Ease
45-706 20/20 Buff
Made in USA

			1	2	3	4	5	6
			92 Box	Stick	+/-	87 Box	Stick	+/-
1	BBF		8458			6039		
2	11/21	S	290			515		
3	✓	Q	+85 8148	8785	637	-1 5814	5989	175
4	11/23	S	342			553		
5	✓	Q	+35 7806	7942	136	-1 4961	5191	230
6	11/24	S	375			507		
7	✓	Q	+26 7481	7398	-33	+1 4454	4656	202
8	11/25	S	48			179		
9	✓	Q	+35 7383	7460	77	-1 4315	4622	347
10	11/30	S	171			424		
11	✓	Q	+35 7212	7275	63	-1 3851	3597	-254
12	11/27	S	160			428		
13	✓	Q	+35 7052	7091	39	-1 3423	3597	174
14	11/28	S	277			376		
15	✓	Q	6775 ✓	6899	124	3047	3209	162
16	11/29	S	67			362		
17	✓	Q	6708	6835	127	2685	2889	204
18	11/30	Sales	290			617		
19	✓	gas drop	2796			6007		
20	✓	gm	9274	9305	-9	8075	8479	404
21	12/1	S	342			446		
22	✓	Q	+1 8872	9017	145	7459	7764	305
23	12/2	S	193			423		
24	✓	Q	+1 8679	8871	192	7036	7153	117
25	12/3	S	159			417		
26	✓	Q	+ 8500	8612	92	6619	6771	152
27	12/4	S	230			327		
28	✓	Q	+1 8287	8452	165	6292	6579	287
29	12/5	S	195			482		
30	✓	Q	8092	8116	24	5810	6089	279
31	12/6	S	187			509		
32	✓	Q	7905	8059	154	5211	5458	247
33	12/7	S	419			797		
34	✓	Q	7486	7644	158	+48 4414	4722	308
35	12/8	S	420			509		
36	✓	Q	7046	7059	-7	+48 3905	4057	152
37	12/9	S	205			443		
38	✓	Q	6801	6899	98	+48 3462	3788	326
39	Adj	November	+4			49		
40	12/10	S	44					
	✓	Q	+4 6761	6771	10	+48 3213	3547	184

			1	2	3	4	5	6
			92 book	STICK	+/-	87 Book	Stick	+/-
1	BOF		6764			3413		
2	12/1	Sales	25			82		
3	✓	pm	-4 6736	6835	99	+148 3331	3629	298
4	12/2	S	181			4437		
5	✓	P	-4 6555	6642	87	+148 2894	3145	251
6	12/3	S	218			489		
7	✓	P	-4 6337	6383	46	+148 2965	2582	177
8	12/4	S	313			4437		
9	✓	P	6024 ✓	6089	65	1968 ✓	2038	70
10	12/6	S	140			967		
11	✓	P	5884 ✓	5758	-106	1701 ✓	1807	106
12	12/7	S	221			509		
13	✓	P	5663 ✓	5791	128	1172 ✓	1210	38
14	12/8	S	144			345		
15	✓	P	5519 ✓	5591	72	827 ✓	820	-7
16	12/9	S	81			201		
17	✓	gas drop	2804			5520		
18	✓	pm	8242 ✓	8228	-14	6146 ✓	6318	172
19	12/20	S	237			481		
20	✓	P	8005 ✓	8116	111	5665 ✓	5856	191
21	12/21	S	207			314		
22	✓	P	7798 ✓	7882	84	5357 ✓	5398	41
23	12/22	S	331			501		
24	✓	P	+9 7464	7522	58	4800 ✓	5791	371
25	12/23	S	268			576		
26	✓	P	+8 7196	7337	141	4304 ✓	4455	151
27	12/24	S	254			451		
28	✓	P	+8 6942	6995	53	3853 ✓	3957	104
29	12/26	S	341			670		
30	✓	P	+9 6598	6642	44	3183 ✓	3338	155
31	12/27	S	186			535		
32	✓	P	+9 6412	6449	37	2648 ✓	2708	60
33	12/28	S	287			572		
34	✓	P	+8 6125	6089	-36	2076 ✓	2127	51
35	12/29	S	280			637		
36	✓	P	+8 5845	5791	54	1449 ✓	1421	-28
37	12/30	S	240			320		
38	✓	gas drop	2838			5807		
39	✓	pm	+8 8487	8458	15	6934 ✓	7153	219
40	12/31	S	391			572		
	✓	P	+8 8116	8201	85	6309 ✓	6482	120

National brand 45-606 Eye-Ease® 45-706 20/20 Buff Made in USA

			1	2	3	4	5	6
			92 Book	STICK	+/−	87 Book	STICK	+/−
1	~~BBF~~		8116			6362		
2	1/2	S	151			1037		
3	✓	P	+9 7962	7996	34	−1 5735	5856	131
4	1/3	S	203			374		
5	✓	gas drop for turkey	2170			4516		
6	✓	pmx wheat start +1860	9929	9836	−93	−1 9967	9973	6
7	1/4	S	357			710		
8	✓	P	9572	9501	−71	−1 9257	9330	73
9	1/5	S	359			609		
10	✓	P	−6 9213	9159	−54	+8 8648	8770	122
11	1/6	S	197			642		
12	✓	P	−5 9016	8969	−47	+8 8006	8229	223
13	1/7	S	46			103		
14	✓	P	−5 8970	8820	−150	+8 7903	8116	213
15	1/8	S	179			~~222~~		
16	✓	P	+26 8793	8770	−23	+3 7681	7912	231
17	1/9	S	113			307		
18	✓	P	+35 8680	8718	38	+3 7374	7275	−99
19	1/10	S	208			555		
20	✓	P	+33 8417	8452	35	+3 6819	7027	208
21	1/11	S	339			449		
22	✓	P	+36 8078	7971	−107	+3 6370	6642	272
23	1/12	S	137			447		
24	✓	P	+33 7941	7942	−1	+8 5923	6351	428
25	1/13	S	330			547		
26	✓	P	+34 7611	7584	−27	+8 5376	~~5525~~ 5525	~~149~~ 149
27	1/14	S	120			418		
28	✓	P	+28 7491	7337	−154	+7 4958	5191	233
29	1/15	S	228			505		
30	✓	P	+33 7863	7275	12	+7 4453	4722	269
31	1/16	S	311			922		
32	✓	P	+30 6952	6995	43	+7 3531	3728	197
33		Raj Dec				−3		
34	1/17	S	328			530		
35	✓	P	6634	6642	18	2978	3145	167
36	1/18	S	305			832		
37	✓	P	6319	6318	−1	2766	3336	170
38	1/19	S	290			601		
39	✓	P	6029	5924	−105	1525	1640	75
40	1/20	S	284			493		
	✓	P	5745	5791	46	1872	1684	12

			1	2	3	4	5	6
			92 Book	Stick	+/−	87 Book	Stick	+/−
1	BBF		5745			10772		
2	1/21	Sales	292			576		
3	↓	gas drop	—			8371		
4	✓	fm	5453	5392	−61	8867	9017	150
5	1/22	S	205			686		
6	✓	B	5248	5191	−57	8181	8452	271
7	1/23	S	207			613		
8	✓	B	5041	4990	−51	7568	7942	374
9	1/24	S	238			609		
10	✓	B	4803	4722	−81	6959	7337	378
11	1/25	S	323			433		
12	✓	B	4480	4355	−125	6586	6835	309
13	1/26	S	412			674		
14	✓	B	4068	4024	−44	5852	6252	400
15	1/27	S	144			622		
16	✓	B	3924	3793	−131	5230	5591	361
17	1/28	S	225			356		
18	✓	B	3699	3597	−102	4874	5191	317
19	1/29	S	168			501		
20	✓	B	3531	3402	−129	4373	4755	382
21	1/30	S	235 ~~234~~			689		
22	✓	B	3296	3209	−87	3684	3984	240
23	1/31	S	240			392		
24	✓	B	3056	2889	−167	3292	3531	239
25	2/1	S	292			434		
26	✓	B	2764	2582	−182	+180 3868	3049	181
27	2/2	S	36			47		
28	✓	gas drop	3936	~~6832~~		4631		
29	✓	fm	6654	6514	−140	+180 7442	7704	262
30	2/3	S	142			338		
31	✓	B	6512	6449	−63	+180 7114	7584	470
32	Adj	San	+1			+1		
33	2/4	S	107			160		
34	✓	B	6406	6383	−23	6955	7027	72
35	2/5	S	46			66		
36	✓	B	6360	6449	89	6889	7337	448
37	2/6	S	207			365		
38	✓	B	-30 6153	5989	−164	6524	6707	183
39	2/7	S	101			404		
40	✓	B	6059	6056	−4	+80 6120	6514	394

National 45-606 Eye-Ease®
45-706 20/20 Bull
Made in USA

			1	2	3	4	5	6
			92 Book	Stick	+/-	87 Book	Stick	+/-
1	BOF		6059			6120		
2	2/8	S	305			504		
3	✓	G	5747 ✓	5725	-22	+ 5616	5956	340
4	2/9	S	373			469		
5	✓	G	5374 ✓	5358	-16	+ 4947	5288	341
6	2/10	S	246			577		
7	✓	G	5128 ✓	5056	-72	+ 4376	4433	53
8	2/11	S	218			572		
9	✓	G	4916 ✓	4789	-121	+ 3798	4057	259
10	2/12	S	162			469		
11	✓	G	4748 ✓	4702	-46	+ 3339	3695	356
12	2/13	S	290			604		
13	✓	G	4458 ✓	4555	97	+ 2735	3081	356
14	2/14	S	297			663		
15	✓	G	4161 ✓	4123	-38	+ 3063	3376	314
16	2/15	S	346			581		
17	✓	gas drop	3633			4903		
18	✓	G	+100 7437	7584	147	+ 6384	6835	451
19	2/16	S	493			466		
20	✓	G	+100 6944	6899	-45	+ 5718	5956	238
21	2/17	S	299			489		
22	✓	G	+100 6715	6739	24	+ 5229	5659	430
23	2/18	S	397			507		
24	✓	G	+100 6318	6318	-0	+ 4722	5158	436
25	2/19	S	257			632		
26	✓	G	+100 6061	5989	-72	+ 4084	4455	369
27	2/20	S	244			710		
28	✓	G	+100 5817	5692	-125	+ 3376	3113	-263
29	2/21	S	225			469		
30	✓	gas drop	3517			4956		
31	✓	G	+100 9069	9041	-28	+ 7863	8201	338
32	2/22	S	380			687		
33	✓	G	8689 ✓	8533	-156	7176 ✓	6867	-309
34	2/23	S	415			738		
35	✓	G	8274 ✓	8285	11	6438 ✓	6835	397
36	2/24	S	398			681		
37	✓	G	7876 ✓	7853	-23	6757 ✓	6180	365
38	2/25	S	477			577		
39	✓	G	7349 ✓	7522	173	5180 ✓	5591	411
40	2/26	S	150			468		
	✓	G	7249 ✓	7153	-96	4712 ✓	5056	344

			1	2	3	4	5	6
			92 Back	Stick	+/-	87 Back	Stick	+/-
1	BBF		7249			4712		
2	2/27	S	25			65		
3	✓	P	7084 ✓	7153	-71	4647 ✓	4956	309
4	2/28	S	29			38		
5	✓	P	7195 ✓	7153	-42	4609 ✓	4956	347
6	3/1	S	36			11		
7	✓	P	7159 ✓	7122	-37	4998 ✓	4956	358
8	3/2	S	99			111		
9	✓	P	7060 ✓	7153	93	4487 ✓	4922	435
10	3/5	S	91			864		
11	✓	P	6969 ✓	7091	122	4223 ✓	4622	399
12	3/6	S	347			574		
13	✓	P	+1 6622	6514	-108	+2 3649	3991	342
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