

6 May 1994
Project 2530

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Health Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

Subject: 1521 Buena Vista Avenue
Alameda, California

Dear Ms. Shin:

Thank you for meeting with us on 29 April 1994 to discuss the subject property. As we discussed during the meeting, Geomatrix Consultants, Inc. (Geomatrix), is reviewing information about the site on behalf of the site owner, Mr. Peter Wang of Encinal Real Estate, Inc., and will be assisting Mr. Wang with responding to your letter to Mr. Wang dated 6 April 1994. The three items requiring a response presented in your 6 April 1994 letter were the following:

- 1) Submittal of a report prepared by Blymyer Engineers, Inc. entitled "Site Assessment, Preliminary Site Investigation" dated 9 June 1993 (Blymyer report) within 30 days of the date of the letter
- 2) Implementation of quarterly monitoring and reporting at the site, with a quarterly report due to your office within 45 days of the date of the letter
- 3) Submittal of portions of a Phase I Site Assessment recently prepared by Fugro West, Inc. (Fugro report) within 30 days of date of the letter

Item (1) was completed within the specified time frame.

Work completed at the site that was described in the Blymyer report was intended to fulfill item (2); three monitoring wells and one piezometer were installed at the site and an initial round of groundwater samples was collected and analyzed for petroleum hydrocarbons and benzene, toluene, ethylbenzene and xylenes. However, based on our review of the report and discussion with you during our recent meeting, use of the existing monitoring wells may not be appropriate for a quarterly monitoring program. On behalf of Mr. Wang, we are requesting a time extension on item (2); as we discussed during our meeting with you, we plan to perform a shallow groundwater survey in the vicinity of the three tanks to collect and analyze samples from near the surface of the groundwater. This information then can be used to assess whether residual petroleum hydrocarbons are present in the vicinities of the tanks, and enable us to better assess the

Ms. Juliet Shin
Alameda County Health Services Agency
Department of Environmental Health
6 May 1994
Page 2

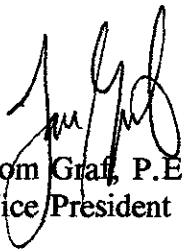
groundwater gradient. If the survey indicates the presence of residual petroleum hydrocarbons in shallow groundwater, we will recommend the number, placement, and screening interval of monitoring wells.

We are attaching a copy of data from the Fugro report to this letter to fulfill item (3).

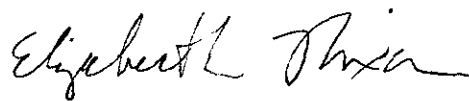
We will keep you apprised of project activities as they develop. If you have any questions, please call either of the undersigned at your convenience.

Sincerely,

GEOMATRIX CONSULTANTS, INC.



Tom Graf, P.E.
Vice President



Elizabeth Nixon
Senior Engineer

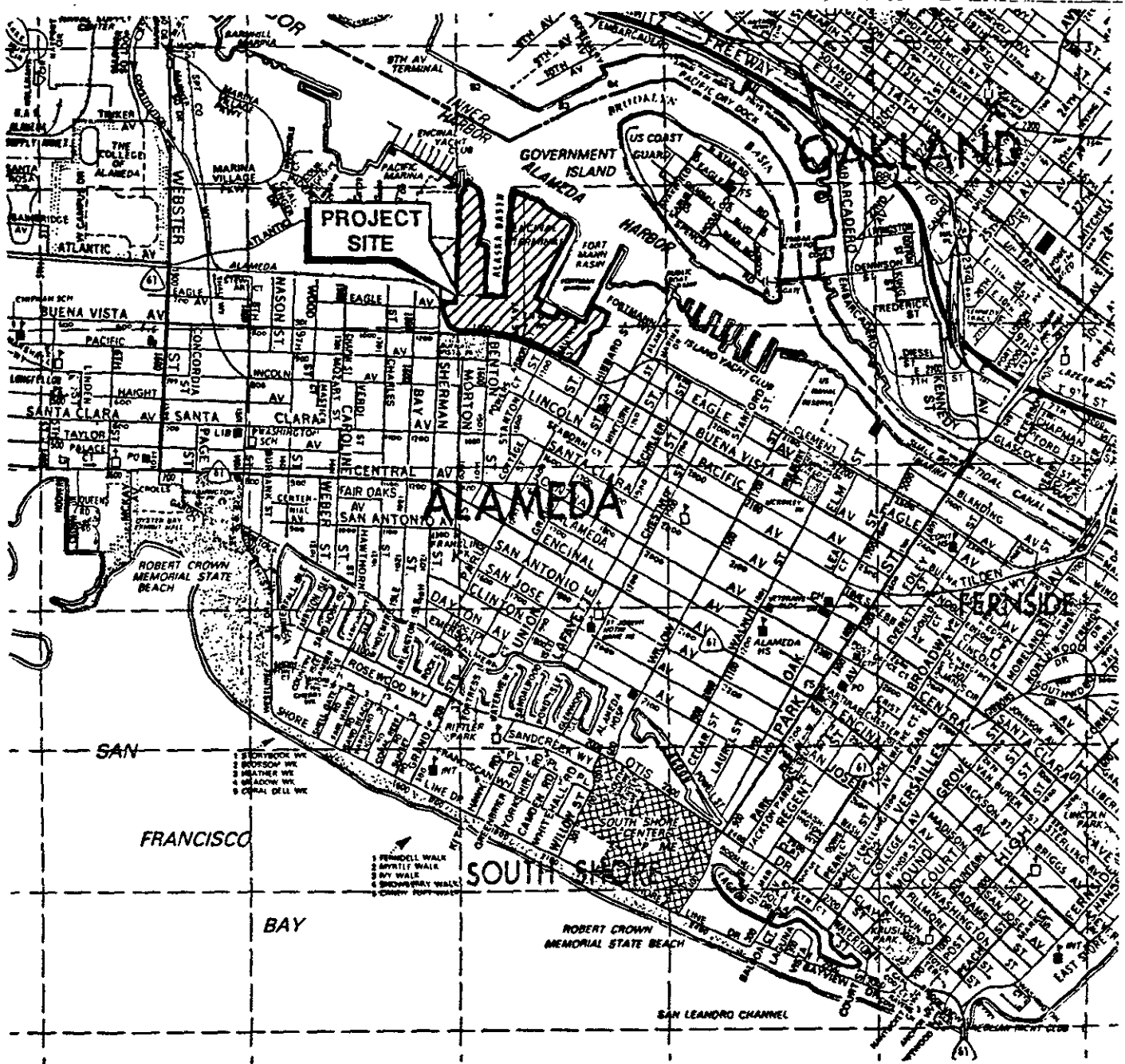
EAN/sir
CONTR2530ACHS.LTR

cc: Mr. Peter Wang - Encinal Real Estate, Inc.

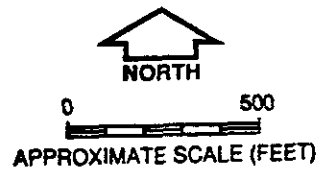
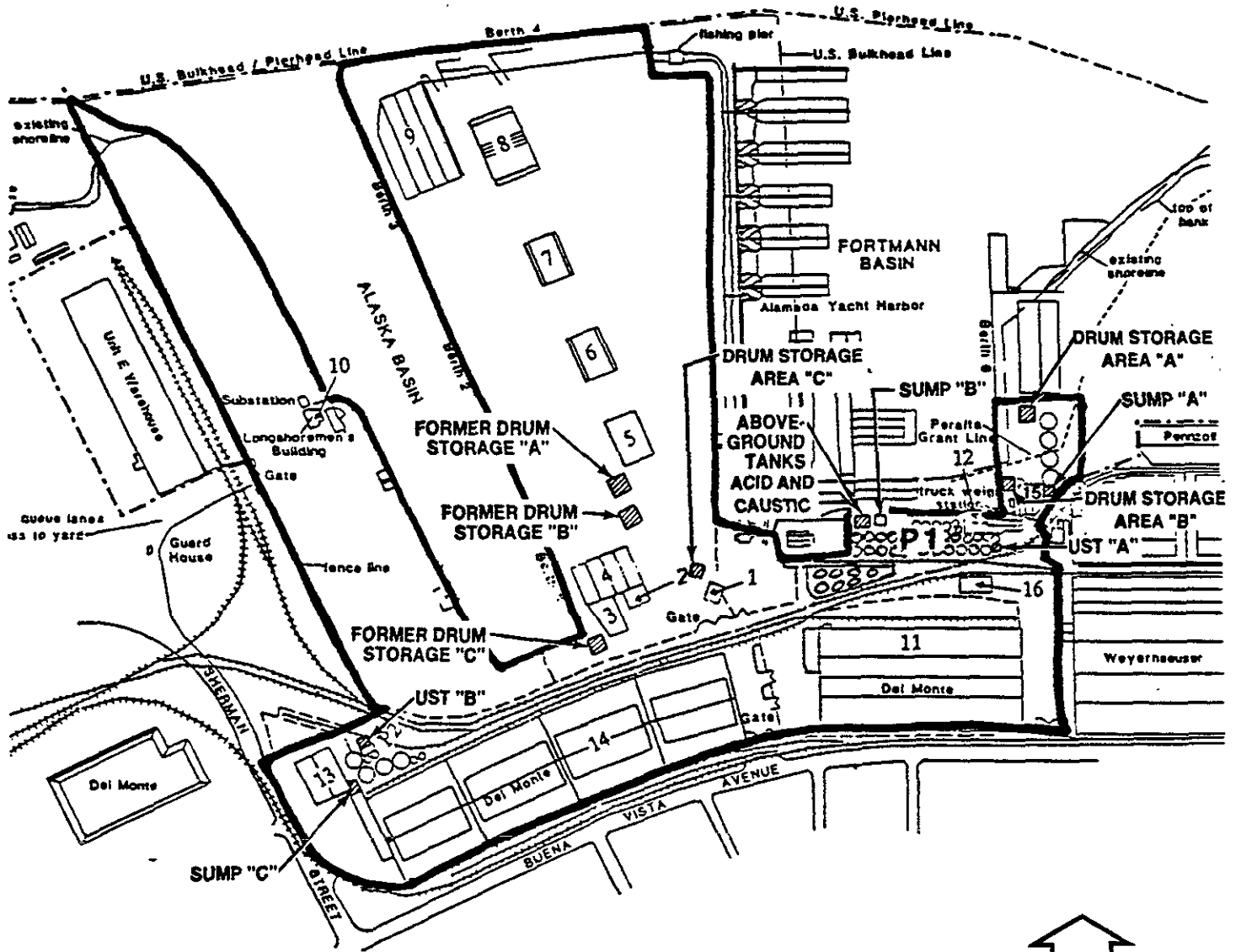
Attachment: Selected data from Fugro West, Inc.'s report entitled "Phase II Environmental Assessment, Encinal Terminal Facility, 5 January 1994"



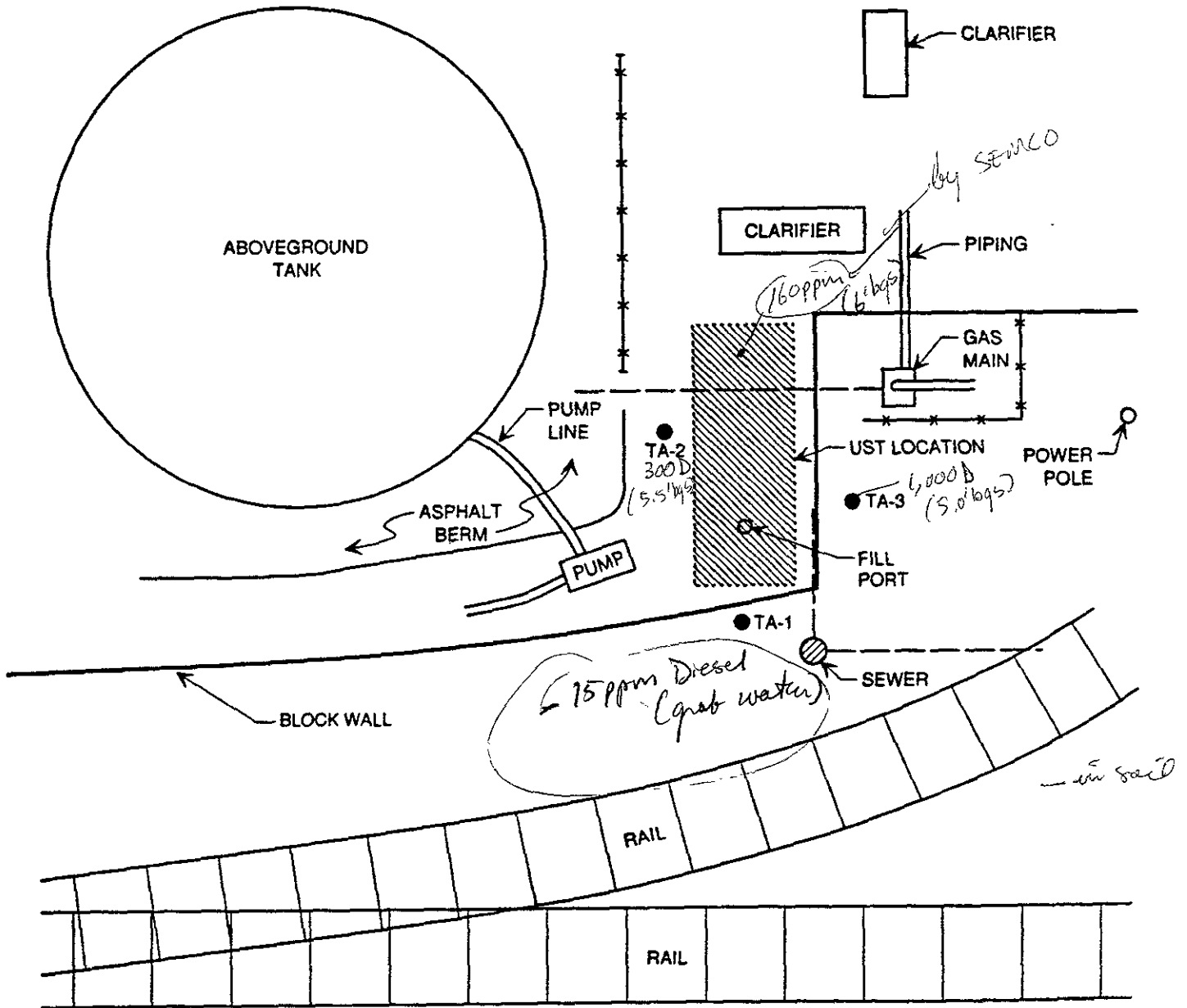
PLATES



VICINITY MAP
Encinal Terminal
Alameda, California



SITE MAP
Encinal Terminal
Alameda, California

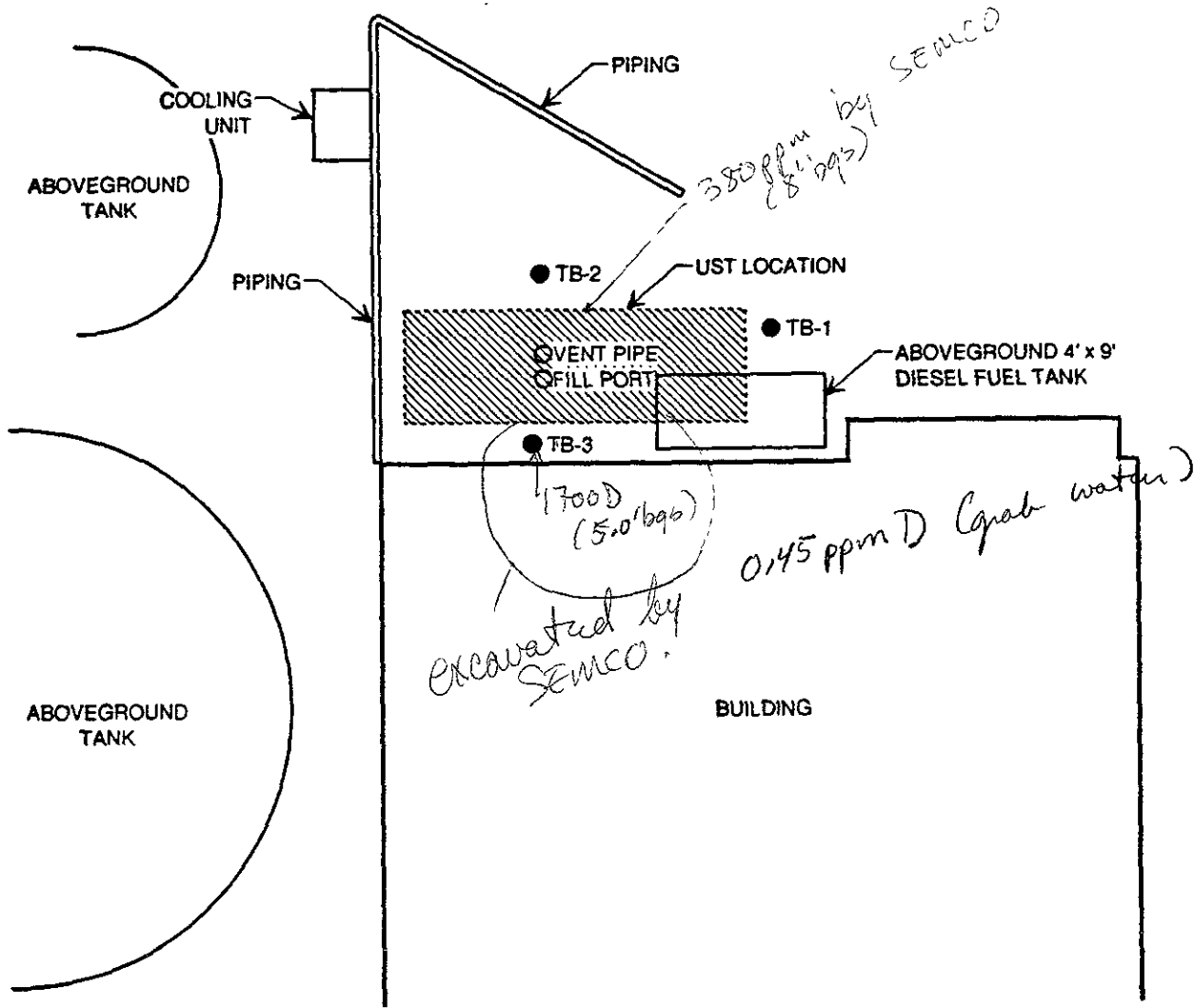


LEGEND

● TA-1 Approximate Location of Soil Boring

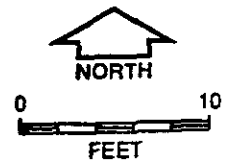


**UNDERGROUND FUEL STORAGE
 TANK LOCATION "A"
 Encinal Terminal
 Alameda, California**

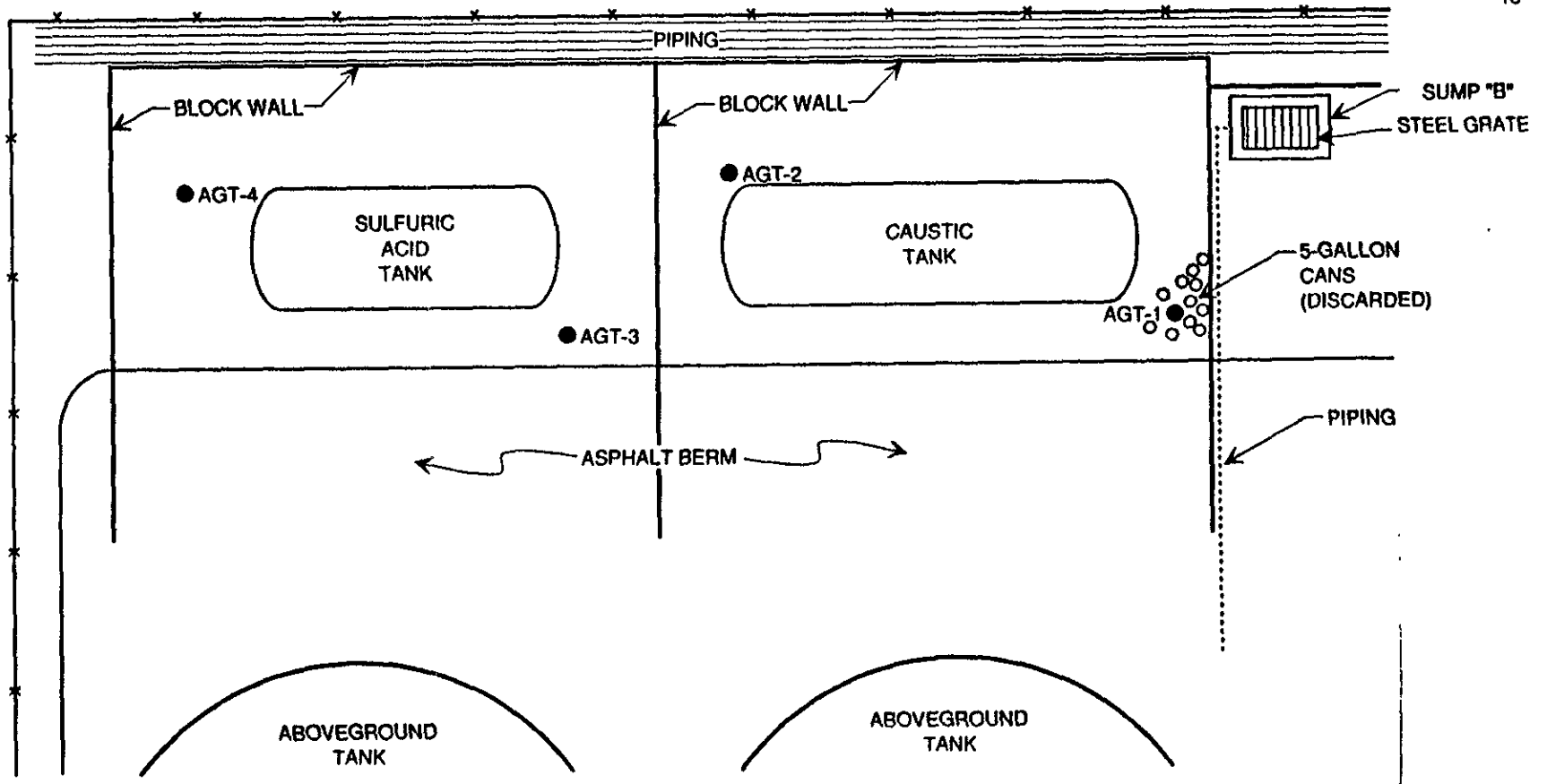
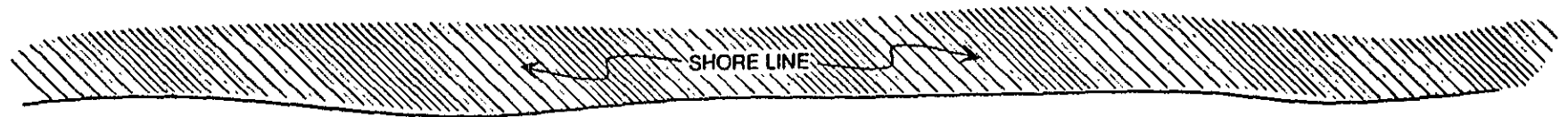


LEGEND

● TB-1
Approximate Location
of Soil Boring



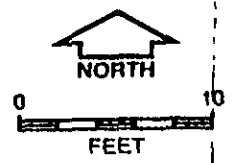
UNDERGROUND FUEL STORAGE TANK LOCATION "B"
Encinal Terminal
Alameda, California

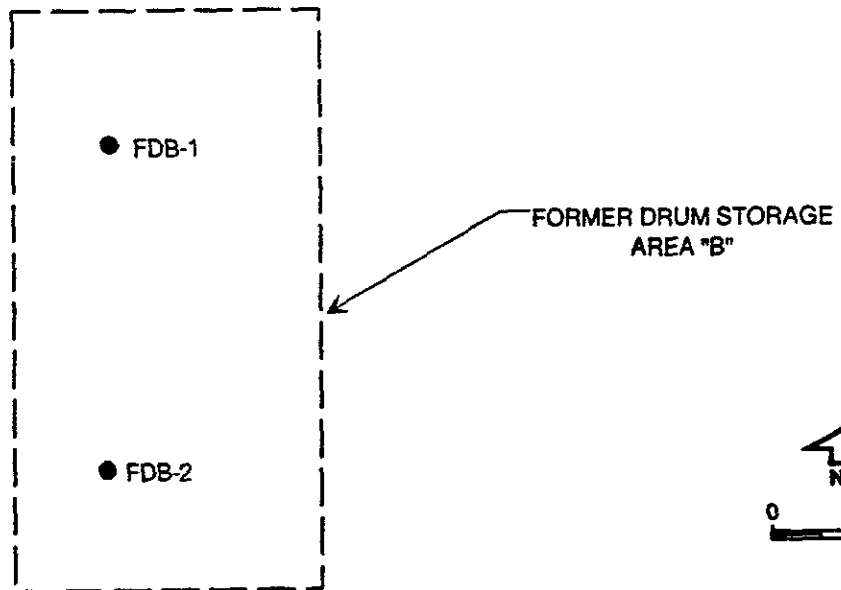
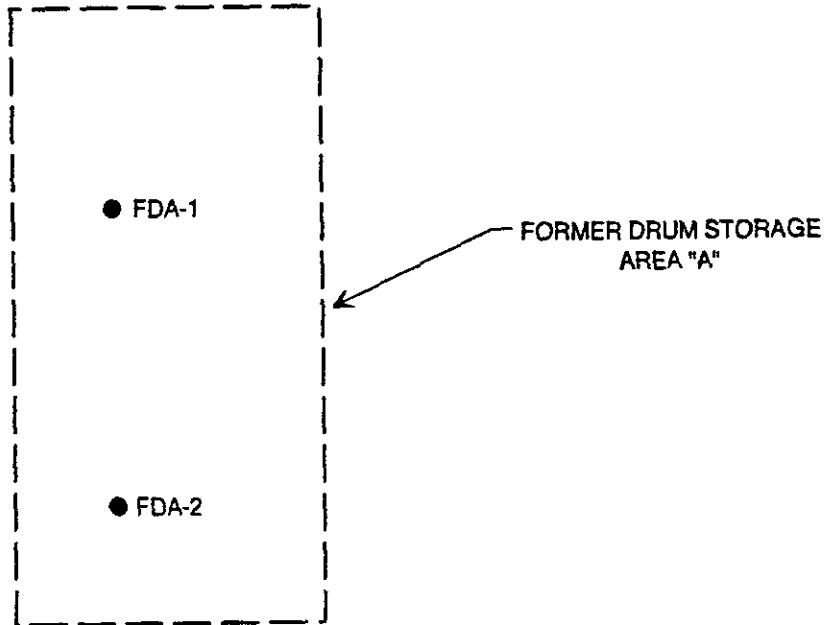


LEGEND

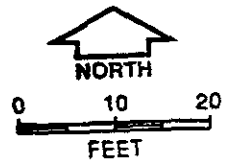
● AGT-1 Approximate Location of Soil Boring

ABOVEGROUND ACID AND CAUSTIC TANKS
Encinal Terminal
Alameda, California

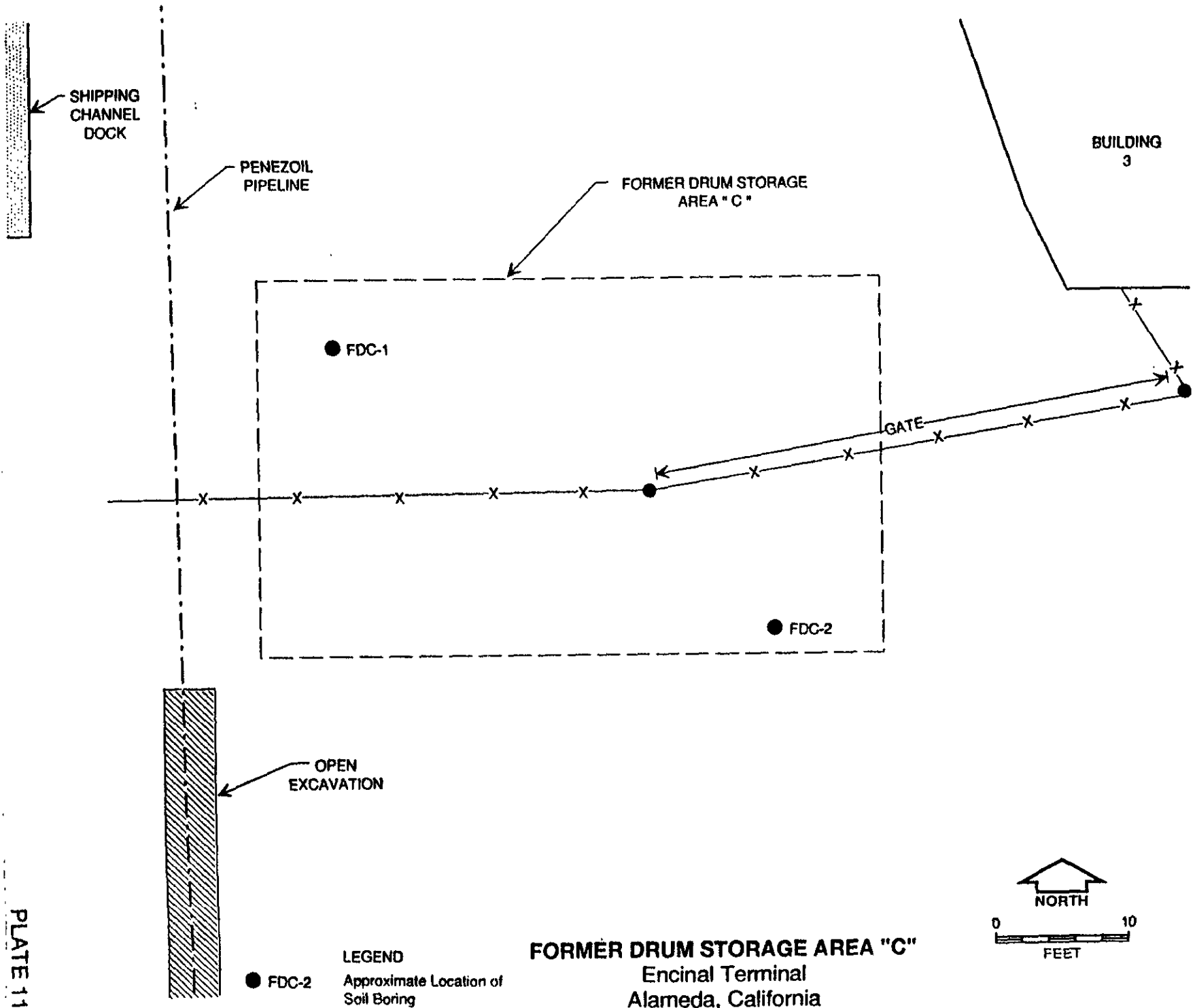




LEGEND
● FDA-2 Approximate Location of Soil Boring

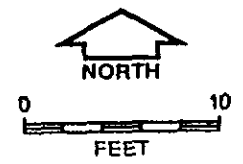


**FORMER DRUM STORAGE AREA
"A" AND "B"
Encinal Terminal
Alameda, California**



● FDC-2
LEGEND
Approximate Location of
Soil Boring

FORMER DRUM STORAGE AREA "C"
Encinal Terminal
Alameda, California



TABLES

**Table 1. Laboratory Analytical Results of Soil and Ground Water Samples
for the Underground Fuel Tank Locations**
(Results in parts per million, ppm)

Constituent	Soil Samples/Depth (feet)									Water Samples	
	TA-1 @ 3.5	TA-2 @ 5.5	TA-3* @ 5.0	TB-1 @ 5.0	TB-1 @ 10.0	TB-2 @ 5.0	TB-2 @ 10.0	TB-3 @ 5.0	TB-3 @ 10.0	TA-2	TB-2
EPA 8015											
TPH, Gas	ND	4	ND	ND	ND	ND	ND	12	ND	0.97	ND
TPH, Diesel	ND	300	1000	ND	ND	ND	ND	1700	100	15.0	0.45
EPA 8020											
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	0.01	ND	ND	ND	ND	ND	ND	ND	0.0033	ND
Ethylbenzene	ND	0.005	ND	ND	ND	ND	ND	0.009	ND	0.0037	ND
Xylenes	ND	0.046	ND	ND	ND	ND	ND	0.024	ND	0.026	ND

ND Not detected

TPH Total petroleum hydrocarbons

* Sample analyzed by EPA method 8260 for TPH and benzene, toluene, ethylbenzene and total xylenes.

**Table 2. Laboratory Analytical Results of Soil and Ground Water Samples
from Aboveground Acid and Caustic Tank Locations**
(Results in parts per million, ppm, unless otherwise specified)

Constituent	Soil Samples/Depth (feet)								Water Samples		Background Soil Sample
	AGT-1 @ 1.0	AGT-1 @ 3.0	AGT-2 @ 1.0	AGT-2 @ 3.5	AGT-3 @ 0.5	AGT-3 @ 3.0	AGT-4 @ 0.5	AGT-4 @ 4.0	AGT-2	AGT-4	AGT-BK
pH (pH units)	10	11	3.9	3.5	6.4	4.1	3.1	4.2	3.5	3.6	4.7
Sulfate	50	50	190	26,000	6,400	4,200	3,400	24,000	14,000	21,000	2,400
Sodium, total	1,000	7,100	60	1,100	740	210	320	510	250	420	480
Alkalinity											
Total Alkalinity as CaCO ₃	1,500	6,100	ND	ND	80	ND	ND	ND	ND	ND	ND
Bicarbonate	1,100	3,200	ND	ND	100	ND	ND	ND	ND	ND	ND
Carbonate	400	2,100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydroxide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8240 - Volatile Organic Compounds*											
Acetone	0.5	-	-	-	-	-	-	-	-	-	-

ND Not detected

- Not analyzed

* Only those constituents detected are listed. For a complete list of compounds analyzed, refer to the laboratory data sheets in Appendix B.



Table 6. Laboratory Analytical Results of Soil and Ground Water Samples from the Former Drum Storage Locations

Constituent	Soil Samples/Depth (feet) in milligrams per kilograms									Water Samples in milligrams per liter		
	FDA-1 @ 5.0	FDA-2 @ 5.0	FDA-2 @ 10.0	FDB-1 @ 5.0	FDB-2 @ 5.0	FDB-2 @ 10.0	FDC-1 @ 5.0	FDC-2 @ 5.0	FDC-2 @ 10.0	FDA-1	FDB-2	FDC-2
EPA 8240, Volatile Organic Compounds*												
Acetone	ND	ND	0.1	ND	ND	ND	0.19	0.24	ND	0.035	0.021	ND
Carbon Disulfide	ND	ND	0.012	ND	ND	0.021	0.01	ND	ND	ND	0.003	ND
EPA 8270, Semivolatile Organic Compounds**												
	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
CAM Metals (total metals)												
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
Arsenic	31	31	2.8	7.7	8	3.7	1.7	1.4	1.2	-	-	-
Barium	110	75	18	46	55	17	20	17	59	-	-	-
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
Chromium	39	41	43	39	36	40	55	42	29	-	-	-
Cobalt	10	10	6	10	7	6	5	3	3	-	-	-
Copper	98	66	16	36	68	12	22	11	5.2	-	-	-
Lead	240	160	11	140	260	11	14	10	5	-	-	-
Soluble Lead***	7.0	7.7	-	2.8	1.0	-	-	-	-	-	-	-
Mercury	ND	0.074	0.018	ND	ND	ND	0.05	0.039	0.016	-	-	-
Molybdenum	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
Nickel	66	78	49	72	56	43	36	28	18	-	-	-
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
Silver	1.2	1.1	0.8	0.9	1.2	0.9	0.9	0.7	0.4	-	-	-
Thallium	8	8	6	6	7	6	6	5	ND	-	-	-
Vanadium	28	24	28	22	20	28	34	26	19	-	-	-
Zinc	200	220	51	220	150	38	46	32	12	-	-	-
Chromium (Hexavalent)	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-

ND Not detected

TPH Total petroleum hydrocarbons

- Not analyzed

* Only those constituents detected are listed. For a complete list of compounds analyzed, refer to the laboratory data sheets in Appendix B.

** None of the semivolatile organic compounds analyzed were detected in the samples analyzed.

*** Results in milligrams per liter.



APPENDIX A
SUPPORTING GEOTECHNICAL DATA

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/FT	LOCATION: Underground fuel storage tank, Location "A", south side. SURFACE EL: Not Surveyed	PID READING	BENZENE, ppm	TOLUENE, ppm	ETHYL-BENZENE, ppm	TOTAL XYLENES, ppm	TPH (gl), ppm	TPH (dl), ppm
MATERIAL DESCRIPTION													
						ARTIFICIAL FILL (sf) Concrete: 6" Silty SAND (SM): medium gray, dry, with gravel							
				43		- black, wet, strong hydrocarbon odor, at 5'	12.4						
	10												
	20												
	30												

COMPLETION DEPTH: 6.5 ft
 DEPTH TO WATER:
 First Encountered (☞): 5.5 ft
 At End of Drilling (☞): ft
 BACKFILLED WITH: Cement Slurry
 DRILLING DATE: SEP 30 93

DRILLING METHOD: Hand Auger
 LOGGED BY: AJKlein
 DRILLED BY: Hew Drilling Co.
 CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. TA-1
 Encinal Terminal

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/FT	LOCATION: Underground fuel storage tank, Location "A", west side.	PID READING	BENZENE, ppm	TOLUENE, ppm	ETHYL-BENZENE, ppm	TOTAL XYLENES, ppm	TPH (g), ppm	TPH (d), ppm
						SURFACE EL: Not Surveyed							
MATERIAL DESCRIPTION													
						ARTIFICIAL FILL (af) Concrete: 8" Silty SAND (SM): medium gray, dry, with gravel							
				42		- fine-grained, black, wet, strong hydrocarbon odor, at 5'	131						
	10												
	20												
	30												

COMPLETION DEPTH: 6.5 ft
 DEPTH TO WATER:
 First Encountered (E): 5.0 ft
 At End of Drilling (E): ft
 BACKFILLED WITH: Cement Slurry
 DRILLING DATE: SEP 30 93

DRILLING METHOD: Hand Auger
 LOGGED BY: AJKlein
 DRILLED BY: Hew Drilling Co.
 CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. TA-2
 Encinal Terminal

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/FT	LOCATION: Underground fuel storage tank, Location "A", east side.	PID READING	BENZENE, ppm	TOLUENE, ppm	ETHYL. BENZENE, ppm	TOTAL XYLENES, ppm	TPH (g), ppm	TPH (d), ppm
						SURFACE EL: Not Surveyed							
MATERIAL DESCRIPTION													
						ARTIFICIAL FILL (sf) SILT (ML): moderate yellowish brown, dry, with gravel							
				44		Silty SAND (SM): black, wet, strong hydrocarbon odor	654						
	10												
	20												
	30												

COMPLETION DEPTH: 6.5 ft
 DEPTH TO WATER:
 First Encountered (?): 5.0 ft
 At End of Drilling (?): 5.0 ft
 BACKFILLED WITH: Cement Slurry
 DRILLING DATE: SEP 30 93

DRILLING METHOD: Hand Auger
 LOGGED BY: AJKlein
 DRILLED BY: Hew Drilling Co.
 CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. TA-3
 Encinal Terminal

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/FT	LOCATION: Underground fuel storage tank, Location "B", east side.	PID READING	BENZENE, ppm	TOLUENE, ppm	ETHYL-BENZENE, ppm	TOTAL XYLENES, ppm	TPH (g), ppm	TPH (cf), ppm
						SURFACE EL: Not Surveyed							
						ARTIFICIAL FILL (af) Asphalt: 1" Silty fine SAND (SM): grayish black, dry							
				29	(7)	- loose, moist, hydrocarbon staining, at 5'	22	ND	ND	ND	ND	ND	ND
	10			30	(14)	- medium dense, medium gray and moderate yellowish brown, wet, at 10'	0	ND	ND	ND	ND	ND	ND
				31	(10)	Silty CLAY (CL): stiff, medium gray and moderate yellowish brown, wet, with fine sand	0						
	20			32	(10)	- some organic material, at 20'	0						
	30												

COMPLETION DEPTH: 21.5 ft
 DEPTH TO WATER:
 First Encountered (Z): 10.0 ft
 At End of Drilling (Z): 10.0 ft
 BACKFILLED WITH: Cement Slurry
 DRILLING DATE: SEP 29 93

DRILLING METHOD: Hollow Stem Auger
 LOGGED BY: AJKlein
 DRILLED BY: Hew Drilling Co.
 CHECKED BY: JPScheaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. TB-1
 Encinal Terminal

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/FT	LOCATION: Underground fuel storage tank, Location "B", north side. SURFACE El.: Not Surveyed	PID READING	BENZENE, ppm	TOLUENE, ppm	ETHYL-BENZENE, ppm	TOTAL XYLENES, ppm	TPH (g), ppm	TPH (d), ppm
MATERIAL DESCRIPTION													
						ARTIFICIAL FILL (a) Asphalt: 6" SAND (SP): grayish black, dry							
				25	(8)	- medium dense, black, moist, at 5'	58	ND	ND	ND	ND	ND	ND
	10			26	(8)	- medium gray, wet, at 10' Sandy CLAY (CL): soft to firm, medium gray and moderate brown, wet, very plastic	0	ND	ND	ND	ND	ND	ND
				27	(11)		0						
	20			28	(9)		0						
	30												

COMPLETION DEPTH: 21.5 ft
DEPTH TO WATER:

First Encountered (E): 10.0 ft
At End of Drilling (E): ft

BACKFILLED WITH: Cement Slurry

DRILLING DATE: SEP 29 93

Note: Water samples collected (3 VOA vials) on September 29, 1993, and another (1 amber bottle) on September 30, 1993, at 16:20 hours.

DRILLING METHOD: Hollow Stem Auger
LOGGED BY: AJKlein
DRILLED BY: Hew Drilling Co.
CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. TB-2
Encinal Terminal

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/FT	LOCATION: Underground fuel storage tank, Location "B", south side.	PID READING	BENZENE, ppm	TOLUENE, ppm	ETHYL-BENZENE, ppm	TOTAL XYLENES, ppm	TPH (g), ppm	TPH (d), ppm
						SURFACE EL: Not Surveyed							
MATERIAL DESCRIPTION													
						ARTIFICIAL FILL (sf) 1" Asphalt 2" Gravelly SAND SAND (SP): medium dense, dark grayish brown, dry, slight hydrocarbon odor and staining	85	ND	ND	0.008	0.024	12	1700
				34									
				35		- wet, strong hydrocarbon odor, moderate hydrocarbon staining							
	10						400	ND	ND	ND	ND	ND	100
	20												
	30												

COMPLETION DEPTH: 10.0 ft
 DEPTH TO WATER:
 First Encountered (☉): 8.0 ft
 At End of Drilling (☉): ft
 BACKFILLED WITH: Cement Slurry
 DRILLING DATE: SEP 29 93

DRILLING METHOD: Hand Auger
 LOGGED BY: AJKlein
 DRILLED BY:
 CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. TB-3
 Encinal Terminal

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/ft	LOCATION: Aboveground caustic storage tank, east side.	PID READING	pH	SULFATE	ALKALINITY	SODIUM
						SURFACE EL: Not Surveyed					
						MATERIAL DESCRIPTION					
				46		1" Asphalt 2" Gravel	0	10	50	1500	1000
				47		ARTIFICIAL FILL (af) Silty fine SAND (SM): medium gray, moist, no odor or staining Silty CLAY (CL): dark gray, wet, with organic material	0	11	50	6100	7100
	10										
	20										
	30										

COMPLETION DEPTH: 3.5 ft
 DEPTH TO WATER:
 First Encountered (±): 3.0 ft
 At End of Drilling (±): ft
 BACKFILLED WITH: Cement Slurry
 DRILLING DATE: SEP 29 93

DRILLING METHOD: Hand Auger
 LOGGED BY: AJKlein
 DRILLED BY:
 CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. AGT-1
 Encinal Terminal

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/ft	LOCATION: Aboveground caustic storage tank, west side.	PID READING	pH	SULFATE	ALKALINITY	SODIUM
						SURFACE EL: Not Surveyed					
						MATERIAL DESCRIPTION					
				48		ARTIFICIAL FILL (sf) Silty fine SAND (SM): medium gray, dry, no odor or staining	0	3.9	190	ND	60
				49		- wet, dark gray, with organic material, at 3.5'	0	3.5	26000	ND	1100
	10										
	20										
	30										

COMPLETION DEPTH: 4.0 ft
 DEPTH TO WATER:
 First Encountered (E): 3.0 ft
 At End of Drilling (E): ft
 BACKFILLED WITH: Cement Slurry
 DRILLING DATE: SEP 29 93

DRILLING METHOD: Hand Auger
 LOGGED BY: AJKlein
 DRILLED BY:
 CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. AGT-2
 Encinal Terminal

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/ft	LOCATION: Aboveground acid storage tank, east side.	PID READING	pH	SULFATE	ALKALINITY	SODIUM
						SURFACE EL: Not Surveyed					
						MATERIAL DESCRIPTION					
				50		ARTIFICIAL FILL (AF) Fine grained SAND (SP): moderate brown, dry, with white particles	0	6.4	6400	80	740
				51		Silty SAND (SM): medium gray, moist	0	4.1	4200	ND	210
	10										
	20										
	30										

COMPLETION DEPTH: 3.5 ft
 DEPTH TO WATER:
 First Encountered (☒): 3.0 ft
 At End of Drilling (☒): ft
 BACKFILLED WITH: Cement Slurry
 DRILLING DATE: SEP 29 93

DRILLING METHOD: Hand Auger
 LOGGED BY: AJKlein
 DRILLED BY:
 CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. AGT-3
 Encinal Terminal

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/8"	LOCATION: Aboveground acid storage tank, west side.	PID READING	PH	SULFATE	ALKALINITY	SODIUM
						SURFACE EL: Not Surveyed					
MATERIAL DESCRIPTION											
				52		ARTIFICIAL FILL (af) Silty SAND (SM): moderate brown, dry	0	3.1	3400	ND	320
				53			0	4.2	24000	ND	610
	10										
	20										
	30										

COMPLETION DEPTH: 4.5 ft
 DEPTH TO WATER:
 First Encountered (☞): 3.0 ft
 At End of Drilling (☞): ft
 BACKFILLED WITH: Cement Slurry
 DRILLING DATE: SEP 27 93

DRILLING METHOD: Hand Auger
 LOGGED BY: AJKlein
 DRILLED BY:
 CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. AGT-4
 Encinal Terminal

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/FT	LOCATION: Southwest of building no. 5	PID READING
						SURFACE EL: Not Surveyed	
MATERIAL DESCRIPTION							
						ARTIFICIAL FILL (af) Asphalt: 6" SILT (ML): moderate brown, dry, with gravel	3
	5			1	(18)	Sandy CLAY (CL): very stiff, moderate brown, damp, with coarse gravel	5
	10			2	(4)	Silty CLAY (CH): soft, gray, moist, with some organic material	6
	15			3	(1)	- wet, soft, below 15'	6
	20			4	(1)		18
	25						
	30						
	35						

COMPLETION DEPTH: 22 ft
 DEPTH TO WATER: 10 ft
 CAVED TO DEPTH: No Caving
 BACKFILLED WITH: Cement Slurry
 DRILLING DATE: September 28, 1993
 Note: Water sample (1 amber bottle, 2 VOA vials) collected from auger hole September 30, 1993, at 15:25 hours.

DRILLING METHOD: Hollow Stem Auger
 DRILLED BY: Hew Drilling Co.
 LOGGED BY: AJKlein
 CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. FDA-1
 Encinal Terminal

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/FT	LOCATION: Southwest of building no. 5	PID READING
						SURFACE EL: Not Surveyed	
						MATERIAL DESCRIPTION	
						ARTIFICIAL FILL (af) Asphalt: 6" SILT (ML): moderate brown, dry, with gravel	
	5			5	(21)	Sandy CLAY (CL): very stiff, dark yellowish brown, moist, with coarse gravel Fat CLAY (CH): very soft, gray, moist, with organic material	7
	10			6	(2)		3
	15			7	(1)		9
	20			8	(1)	Sandy CLAY (CL): very soft, black, wet ALLUVIUM (Qal) Silty CLAY (CL): very soft, grayish green, moist	8
	25						
	30						
	35						

COMPLETION DEPTH: 22 ft
DEPTH TO WATER: 10 ft
CAVED TO DEPTH: No Caving
BACKFILLED WITH: Cement Slurry
DRILLING DATE: September 28, 1993

DRILLING METHOD: Hollow Stem Auger
DRILLED BY: Hew Drilling Co.
LOGGED BY: AJKlein
CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. FDA-2
 Encinal Terminal

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/FT	LOCATION: Northeast of building no. 4	PID READING
						SURFACE EL: Not Surveyed	
						MATERIAL DESCRIPTION	
						ARTIFICIAL FILL (af) Asphalt: 6" SILT (ML): moderate brown, dry, with gravel	
	5			9	(18)	Silty CLAY (CL): very stiff, moderate brown, dry, with coarse gravel, low plasticity	6
	10			10	(5)	Fat CLAY (CH): soft, gray, moist, very plastic, sewage odor	13
	15			11	(1)	- with some organic material, at 15'	18
	20			12	(18)	ALLUVIUM (Qal) Silty CLAY (CL): stiff	13
	25						
	30						
	35						

COMPLETION DEPTH: 22 ft
 DEPTH TO WATER: 10 ft
 CAVED TO DEPTH: No Caving
 BACKFILLED WITH: Cement Slurry
 DRILLING DATE: September 28, 1993

DRILLING METHOD: Hollow Stem Auger
 DRILLED BY: Hew Drilling Co.
 LOGGED BY: AJKlein
 CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. FDB-1
 Encinal Terminal

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/FT	LOCATION: Northeast of building no. 4	PID READING
						SURFACE EL: Not Surveyed	
						MATERIAL DESCRIPTION	
						ARTIFICIAL FILL (af) Asphalt: 6" Silty fine GRAVEL (GM): moderate brown, dry	
	5			13	(29)	Fine sandy CLAY (CL): hard, medium dark gray, damp, with coarse gravel, low plasticity	13
	10			14	(5)	Fat CLAY (CH): soft, dark gray, wet, very plastic	13
	15			15	(3)	Sandy CLAY (CL): very soft, black, wet, plastic, with some organic material	13
						Fat CLAY (CH): gray, wet	
	20			16	(22)	- stiff, dark greenish gray, wet, very plastic, at 20'	14
	25						
	30						
	35						

COMPLETION DEPTH: 22 ft
 DEPTH TO WATER: 10 ft
 CAVED TO DEPTH: No Caving
 BACKFILLED WITH: Cement Slurry
 DRILLING DATE: September 28, 1993
 Notes: Water sample (1 amber bottle, 3 VOA vials) collected
 September 30, 1993, at 15:40 hours.

DRILLING METHOD: Hollow Stem Auger
 DRILLED BY: Hew Drilling Co.
 LOGGED BY: AJKlein
 CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. FDB-2
 Encinal Terminal

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/FT	LOCATION: Southwest of building no. 3	PID READING
						SURFACE EL: Not Surveyed	
MATERIAL DESCRIPTION							
						ARTIFICIAL FILL (af) Asphalt: 10"	
						SILT (ML): moderate brown, dry, with fine gravel	
						CLAY (CL): soft, grayish black, wet, very plastic	
	5			17	(4)		10
	10			18	(8)	Silty SAND (SM): medium gray, wet	6
	15			19	(29)	- medium dense, moderate yellowish brown, below 15'	6
	20			20	(39)		11
	25						
	30						
	35						

COMPLETION DEPTH: 22 ft
 DEPTH TO WATER: 10 ft
 CAVED TO DEPTH: No Caving
 BACKFILLED WITH: Cement Slurry
 DRILLING DATE: September 29, 1993

DRILLING METHOD: Hollow Stem Auger
 DRILLED BY: Hew Drilling Co.
 LOGGED BY: AJKlein
 CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. FDC-1
 Encinal Terminal

November 1993

Project No. 93-37-7532

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	SAMPLE NO.	SAMPLER BLOWS/FT	LOCATION: Southwest of building no. 3	PID READING
						SURFACE EL: Not Surveyed	
MATERIAL DESCRIPTION							
						ARTIFICIAL FILL (af) Asphalt: 10" SAND (SP): dark yellowish brown, dry	
	5			21	(4)	CLAY (CH): soft, grayish black, wet, plastic	16
	10			22	(5)	Fine SAND (SP): loose, gray, wet, well sorted	15
	15			23	(17)	CLAY (CL): stiff, mottled moderate yellowish brown and medium gray, with fine sand, low plasticity	12
	20			24	(31)	- hard, wet, at 20'	18
	25						
	30						
	35						

COMPLETION DEPTH: 22 ft

DEPTH TO WATER: 10 ft

CAVED TO DEPTH: No Caving

BACKFILLED WITH: Cement Slurry

DRILLING DATE: September 29, 1993

Note: Water sample (1 amber bottle, 3 VOA vials) on September 30, 1993, at 16:05 hours.

DRILLING METHOD: Hollow Stem Auger

DRILLED BY: Hew Drilling Co.

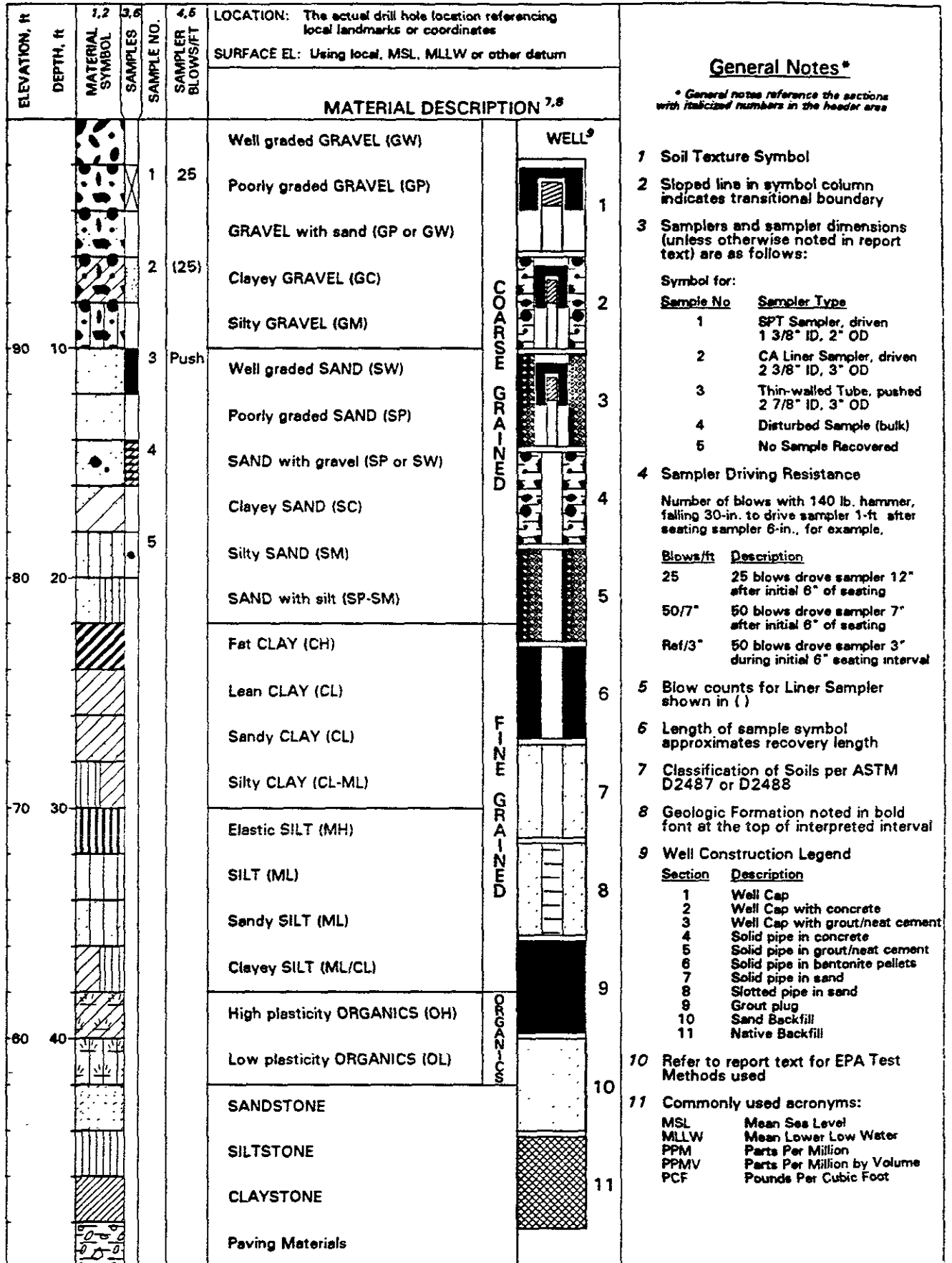
LOGGED BY: AJKlein

CHECKED BY: JPSchaaf

The log and data presented are a simplification of actual conditions encountered at the time of drilling at the drilled location. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF DRILL HOLE NO. FDC-2

Encinal Terminal





APPENDIX B
LABORATORY ANALYTICAL DATA

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1903-7
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: CB
Method : E8020/8015M

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#43, TA-1 @ 5.5'	Soil	Alan Klein	09/30/93	10/01/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
BTEX + TPH (Gasoline)				1
Benzene		0.005	ND	
Toluene		0.005	ND	
Ethylbenzene		0.005	ND	
Xylenes		0.005	ND	
Total Petroleum Hydrocarbons (Gasoline)		1.	ND	
Percent Surrogate Recovery			74.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/12/93
GC#2\112B316
MC/mcc/ckt
S-BTX-100893

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Marissa Coronel
Laboratory Director



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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1903-7
 Project : 9337-7532 Encinal Terminal
 Analyzed : 10/12/93
 Analyzed by: TN
 Method : EPA 8015M

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
#43, TA-1 @ 5.5'	Soil	Alan Klein	09/30/93	10/01/93	
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Total Petroleum Hydrocarbons (Diesel)			5.	ND	1

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) Sample Preparation on 10/12/93 by LLB

10/13/93
 ECD2-012C009
 MC/mcc/ttn
 DSL101293

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
 Laboratory Director



NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1903-6
 Project : 9337-7532 Encinal Terminal
 Analyzed : 10/11/93
 Analyzed by: CB
 Method : E8020/8015M

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#42, TA-2 @ 5.5'	Soil	Alan Klein	09/30/93	10/01/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
BTEX + TPH (Gasoline)				
Benzene		0.005	ND	1
Toluene		0.005	0.010	
Ethylbenzene		0.005	0.005	
Xylenes		0.005	0.046	
Total Petroleum Hydrocarbons (Gasoline)		1.	4.	
Percent Surrogate Recovery			73.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) EXTRACTED by EPA 5030 (purge-and-trap)

10/12/93
 GC#2\1118339
 MC/mcc/ckt
 S-BTX-100893

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
 Laboratory Director

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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1903-6
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: TN
 Method : EPA 8015M

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#42, TA-2 @ 5.5'	Soil	Alan Klein	09/30/93	10/01/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Total Petroleum Hydrocarbons (Diesel)		20.	300.	1

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/12/93 by LLB

10/13/93
 ECD2-0012C012
 MC/mcc/ttn
 DSL101293

Respectfully submitted,
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 Laboratory Director



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San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1912-5
Project : 9337-7532 Encinal Terminal
Analyzed : 10/08/93
Analyzed by: TN
Method : EPA 8015M

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
TA-2	Groundwater	Alan Klein		09/30/93	10/01/93
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Total Petroleum Hydrocarbons (Diesel)		500.	15000.	1	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Sample Preparation on 10/06/93 by AG

10/11/93
ECD2-008C011
MC/mcc/ttn
DSL100693

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Marissa Coronel
Laboratory Director



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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1912-5
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/11/93
Analyzed by: CB
Method : E602/8015M

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
TA-2	Groundwater	Alan Klein	09/30/93	10/01/93
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
BTEX + TPH (Gasoline)				1
Benzene		0.5	ND	
Toluene		0.5	3.3	
Ethylbenzene		0.5	3.7	
Xylenes		0.5	26.	
Total Petroleum Hydrocarbons (Gasoline)		50.	970.	
Percent Surrogate Recovery			85.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/12/93
GC#2-111B335
MC/mcc/cb/ttn
W-BTX-101193

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Laboratory Director



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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivias Park Drive
Ventura, CA 93003

Lab Number : JJ-1903-5
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/11/93
Analyzed by: AZ
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
#44, TA-3 @ 5'	Soil	Alan Klein		09/30/93	10/01/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
FUEL FINGERPRINT ANALYSIS					
Benzene		0.05	ND	1,2	
Toluene		0.05	ND		
Ethylbenzene		0.05	ND		
Xylenes		0.05	ND		
Total Petroleum Hydrocarbons (Gasoline)		10.	ND		
Total Petroleum Hydrocarbons (Diesel 2)		50.	1100.		
Percent Surrogate Recovery			99		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

(2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

10/19/93
FIN1/101110A2
MC/et/mtm
FIN1-1011

Respectfully submitted,
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Marissa Coronel
Laboratory Director



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 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ1868
 Project : 9337-7532 Encinal
 Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 2

SAMPLE ID	SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
JJ1868-11	#25, TB-2 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
JJ1868-12	#26, TB-2 @ 10'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
JJ1868-13	#29, TB-1 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
JJ1868-14	#30, TB-1 @ 10'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	UNITS	*PQL	JJ1868-11	JJ1868-12	JJ1868-13	JJ1868-14
Total Petroleum Hydrocarbons (Diesel)	mg/Kg	5.	ND	ND	ND	ND
Method:			EPA 8015M	EPA 8015M	EPA 8015M	EPA 8015M
Analyzed by:			TN	TN	TN	TN
Analyzed on:			10/08/93	10/08/93	10/08/93	10/08/93
Dilution Factor			1.0	1.0	1.0	1.0
Notes:			1	1	1	1

San Jose Lab Certifications: CAELAP #1204

*RESULTS of 'ND' not detected at or above the listed PQL times Dilution Factor.

(1) Sample Preparation on 10/07/93 by LLB

10/11/93
 ECD2-008C013
 MC/mcc/ttn
 DSL100793



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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ1868
Project : 9337-7532 Encinal
Terminal

REPORT OF ANALYTICAL RESULTS

Page 2 of 2

SAMPLE ID	SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
JJ1868-15	#34, TB-3-5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
JJ1868-16	TB-3-8'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	UNITS	*PQL	JJ1868-15	JJ1868-16
Total Petroleum Hydrocarbons (Diesel)	mg/Kg	5. 1700.	100.	100.
Method:			EPA 8015M	EPA 8015M
Analyzed by:			TN	TN
Analyzed on:			10/08/93	10/09/93
Dilution Factor			100	10
Notes:			1	1

San Jose Lab Certifications: CAELAP #1204

*RESULTS of 'ND' not detected at or above the listed PQL times Dilution Factor.

(1) Sample Preparation on 10/07/93 by LLB

10/11/93
BCD2-0080019
MC/mcc/ttn
DSL100793

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Laboratory Director



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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-13
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/05/93
Analyzed by: CB
Method : E8020/8015M

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#29, TB-1 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
BTEX + TPH (Gasoline)				1
Benzene		0.005	ND	
Toluene		0.005	ND	
Ethylbenzene		0.005	ND	
Xylenes		0.005	ND	
Total Petroleum Hydrocarbons (Gasoline)		1.	ND	
Percent Surrogate Recovery			80.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/07/93
GC#2\105B325A
MC/mcc/ckt
S-BTX-100193

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Marissa Coronel
Laboratory Director

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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-14
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/05/93
Analyzed by: CB
Method : E8020/8015M

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#30, TB-1 @ 10'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
BTEX + TPH (Gasoline)				1
Benzene		0.005	ND	
Toluene		0.005	ND	
Ethylbenzene		0.005	ND	
Xylenes		0.005	ND	
Total Petroleum Hydrocarbons (Gasoline)		1.	ND	
Percent Surrogate Recovery			87.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/07/93
GC#2\105B326A
MC/mcc/ckt
S-BTX-100193

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Marissa Coronel
Laboratory Director



Air, Water & Hazardous Waste Sampling, Analysis & Consultation
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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-11
Project : 9337-7532 Encinal Terminal
Analyzed : 10/05/93
Analyzed by: CB
Method : E8020/8015M

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#25, TB-2 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
BTEX + TPH (Gasoline)				1
Benzene		0.005	ND	
Toluene		0.005	ND	
Ethylbenzene		0.005	ND	
Xylenes		0.005	ND	
Total Petroleum Hydrocarbons (Gasoline)		1.	ND	
Percent Surrogate Recovery			90.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/07/93
GC#2105B323A
MC/mcc/ckt
S-BTX-100193

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Marissa Coronel
Laboratory Director

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San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-12
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/05/93
 Analyzed by: CB
 Method : E8020/8015M

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#26, TB-2 @ 10'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
BTEX + TPH (Gasoline)				1
Benzene		0.005	ND	
Toluene		0.005	ND	
Ethylbenzene		0.005	ND	
Xylenes		0.005	ND	
Total Petroleum Hydrocarbons (Gasoline)		1.	ND	
Percent Surrogate Recovery			89.	

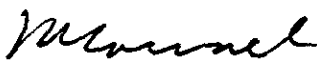
San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/07/93
 GC#2\105B324A
 MC/mcc/ckt
 S-BTX-100193

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.


 Marissa Coronel
 Laboratory Director

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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1912-4
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/08/93
Analyzed by: TN
Method : EPA 8015M

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
TB-2	Groundwater	Alan Klein	09/30/93	10/01/93	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Total Petroleum Hydrocarbons (Motor Oil & Diesel)		50.	450.	1,2	

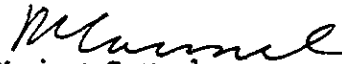
San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) Sample Preparation on 10/06/93 by AG
- (2) TPH is quantitated against motor oil.

10/11/93
ECD2-008C012
MC/mcc/ttn
DSL100693

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.


Marissa Coronel
Laboratory Director

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 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-17
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/06/93
 Analyzed by: CB
 Method : E602/8015M

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
TB-2	Aqueous	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
BTEX + TPH (Gasoline)				1
Benzene		0.5	ND	
Toluene		0.5	ND	
Ethylbenzene		0.5	ND	
Xylenes		0.5	ND	
Total Petroleum Hydrocarbons (Gasoline)		50.	ND	
Percent Surrogate Recovery			99.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/07/93
 GC#3\106B421
 MC/mcc/ckt
 W-BTX-100693

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.



Marissa Coronel
 Laboratory Director



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Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-15
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/06/93
Analyzed by: CB
Method : E8020/8015M

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#34, TB-3-5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
BTEX + TPH (Gasoline)				1
Benzene		0.005	ND	
Toluene		0.005	ND	
Ethylbenzene		0.005	0.009	
Xylenes		0.005	0.024	
Total Petroleum Hydrocarbons (Gasoline)		1.	12.	
Percent Surrogate Recovery			71.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/07/93
GC#2\106B340A
MC/mcc/ckt
S-BTX-100193

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Laboratory Director

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San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-16
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/05/93
Analyzed by: CB
Method : E8020/8015M

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
TE-3-8'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
BTEX + TPH (Gasoline)				1
Benzene		0.005	ND	
Toluene		0.005	ND	
Ethylbenzene		0.005	ND	
Xylenes		0.005	ND	
Total Petroleum Hydrocarbons (Gasoline)		1.	ND	
Percent Surrogate Recovery			81.	


San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/07/93
GC#2\105B327A
MC/mcc/ckt
S-BTX-100193

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.


Marissa Coronel
Laboratory Director

CHAIN OF CUSTODY RECORD



LABORATORY CCAS	LABORATORY LOCATION STN 303E	DATE 9/29/93	FM JOB No. 9337-7532
CLIENT CAPITAL HOLDING	PROJECT 1521 Buena Vista, Alameda		
PROJECT MANAGER S. Bealman	SAMPLER (Signature) Al J. Klein		

Laboratory No.	Sample No.	Location and Description	Date	Time	Vessel Type	No. of Vessels	Sample Matrix	Preservation Method	Tests Required
1868-11	25 ✓	TB-2 @ 5'	9/29/93	1045	1	1	S	A	A, B
-12-33	26 ✓	TB-2 @ 10'	↓	1055	↓	↓	↓	↓	A, B
-34	27	TB-2 @ 15'	↓	1105	↓	↓	↓	↓	
-35	28	TB-2 @ 20'	↓	1115	↓	↓	↓	↓	
-13-12	29 ✓	TB-1 @ 5'	↓	1150	↓	↓	↓	↓	A, B
-14-12	30 ✓	TB-1 @ 10'	↓	1200	↓	↓	↓	↓	A, B
-36	31	TB-1 @ 15'	↓	1210	↓	↓	↓	↓	
-37	32	TB-1 @ 20'	↓	1220	↓	↓	↓	↓	

VESSEL TYPE	SAMPLE MATRIX	TEST REQUIRED
1 Brass or stainless steel sleeve, 2 1/2-inch diameter by 1, 3, 4, or 6 inches long	A Air	A 8015 diesel
2 Brass or stainless steel sleeve, 1 1/2-inch diameter by 4 inches long	(S) Solid	B 8020 BTEX/8015 gas
3 Stainless steel sleeve, 1 inch diameter by 6 inches long	W Water	C
4 Amber glass bottle with Teflon lined screw cap, 1,000 milliliters	O Other	D
5 Amber glass bottle with Teflon lined screw cap, 280 milliliters	PRESERVATION METHOD	
6 Clear glass jar with Teflon lined screw cap, 4 or 6 ounces	(A) Artificial ice	F
7 VOA vial, 40 milliliters	B NaHSO ₄	G
8 Mason jar, 1 pint or 1 quart	C HNO ₃	H
9 Plastic bottle, 1 liter	D None	I
10 Other	E Other	J

RELINQUISHED BY (Signature) Al J. Klein	RECEIVED BY (Signature) [Signature]	DATE 9/29/93	TIME 1520
RELINQUISHED BY (Signature) [Signature]	RECEIVED BY (Signature)	DATE 9/29/93	TIME 7615
RELINQUISHED BY (Signature)	RECEIVED FOR LABORATORY BY (Signature) Alison G. Abraham	DATE 9/29/93	TIME 7615
METHOD OF SHIPMENT: World Courier	TURNAROUND TIME:	SAMPLE DISPOSAL: <input type="checkbox"/> Return to FM <input checked="" type="checkbox"/> Proper disposal by Lab after 60 days	

SPECIAL INSTRUCTIONS:

HANDLING INFORMATION **Analyses verified with Joe Schaaf 09/30/93 am (83)**

White - FM Copy Yellow - Laboratory Copy Pink - Return to FM with Results

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LABORATORY <i>Coast & Coast Analytical</i>	LABORATORY LOCATION <i>SAN JES</i>	DATE <i>9/29/93</i>	PM JOB NO. <i>95237</i>
CLIENT <i>CAPITAL HOLDING</i>	PROJECT <i>1521 BLENH VISTA A HAWAII</i>		
PROJECT MANAGER <i>Steve Budeaux</i>	SAMPLER (Signature) <i>[Signature]</i>		

991868-1617

Laboratory No.	Sample No.	Location and Description	Date	Time	Vessel Type	No. of Vessels	Sample Matrix	Preservation Method	Tests Required
	<i>1617</i>	<i>WATER SAMPLE TB-2</i>	<i>9/29/93</i>	<i>11:55</i>	<i>7</i>	<i>3</i>	<i>W</i>	<i>HCL/A</i>	<i>B</i>
	<i>1534</i>	<i>SIL SAMPLE TB-3-S1</i>	<i>9/29/93</i>	<i>13:15</i>	<i>1</i>	<i>1</i>	<i>S</i>	<i>A</i>	<i>A, B</i>
	<i>1635</i>	<i>SIL SAMPLE TB-3-S1</i>	<i>9/29/93</i>	<i>13:40</i>	<i>1</i>	<i>1</i>	<i>S</i>	<i>A</i>	<i>A, B</i>
	<i>16</i>	<i>WATER SAMPLE SA-1</i>	<i>9/29/93</i>	<i>14:30</i>	<i>7</i>	<i>3</i>	<i>W</i>	<i>HCL/A</i>	<i>B</i>

VESSEL TYPE		SAMPLE MATRIX		TEST REQUIRED	
1	Brass or stainless steel sleeve, 2X-inch diameter by 1, 3, 4, or 6 inches long	A	Air	A	<i>8015 detail</i>
2	Brass or stainless steel sleeve, 1X-inch diameter by 4 inches long	S	Solid	B	<i>8020 BTEX/8015</i>
3	Stainless steel sleeve, 1 inch diameter by 6 inches long	W	Water	C	
4	Amber glass bottle with Teflon lined screw cap, 1,000 milliliters	O	Other	D	
5	Amber glass bottle with Teflon lined screw cap, 280 milliliters	PRESERVATION METHOD		E	
6	Clear glass jar with Teflon lined screw cap, 4 or 6 ounces	A	Artificial ice	F	
7	VOA vial, 40 milliliters	B	NaHSO ₃	G	
8	Clear glass jar with Teflon lined screw cap, 4 or 6 ounces	C	HNO ₃	H	
9	Mason jar, 1 pint or 1 quart	D	None	I	
10	Other	E	Other	J	

RELINQUISHED BY: (Signature) <i>[Signature]</i>	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE: <i>9/29/93</i>	TIME: <i>1520</i>
RELINQUISHED BY: (Signature) <i>[Signature]</i>	RECEIVED BY: (Signature)	DATE: <i>9/29/93</i>	TIME: <i>1615</i>
RELINQUISHED BY: (Signature)	RECEIVED FOR LABORATORY BY: (Signature) <i>Alison A. Abraham</i>	DATE: <i>09/29/93</i>	TIME: <i>1615</i>
METHOD OF SHIPMENT: <i>World Courier</i>	TURNAROUND TIME:	SAMPLE DISPOSAL: <input type="checkbox"/> Return to FM <i>cool, contact</i> <input type="checkbox"/> Proper disposal by Lab after 60 days	

SPECIAL INSTRUCTIONS:

HANDLING INFORMATION: *Analyses verified with Joe Schaeff 09/30/93 am (213) vials placed in grand bottles at lab*

** changed per Joe Schaeff*

White - PM Copy Yellow - Laboratory Copy Pink - Return to PM with Results

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 6006 Egret Ct. • Benicia, CA 94510 •
 2400 Cumberland Dr. • Valparaiso, Indiana 46383 •
 4765 Calle Quetzal • Camarillo, CA 93012 •
 340 County Road No. 5 • Westbrook, ME 04092 •

43-2553 FAX (805) 543-2685
 464-7838 FAX (805) 967-4386
 (707) 747-2757 FAX (707) 747-2765
 (219) 464-2389 FAX (219) 462-2953
 (805) 389-1353 FAX (805) 389-1438
 (207) 874-2400 FAX (207) 775-4029

Chain of Custody

• PLEASE PRINT IN PEN

Client <u>FUGRO McClellan</u>	Contact <u>S. Beaulieu</u>	Phone # <u>(415) 296-1091</u>	FAX # <u>(415) 296-0944</u>
Address _____	City _____	State _____	Zip _____
Project Name/Number <u>ENGINEERING 9337-7532</u>		Project MGR <u>S. Beaulieu</u>	
Bill (if different than above) _____		Address _____	
Sampler (Print and sign) <u>ILLI</u>	Due Date <u>N/A</u>	Circle for RUSH* _____	Copies To: _____
			Auth. Init. _____

Sample Description	Date/Time Coll'd	*Matrix	# of Containers	Pres.	Filt. y/n	* Subject to Availability Analysis	Remarks	Lab ID #
FDA-1 (water)	9-30/1525	GW	4			8240 Volatiles		1912-1
FDB-2 (water)	9-30/1540	GW	4			8240 Volatiles		1912-2
FDC-2 (water)	9-30/1625	GW	4			8240 Volatiles		1912-3
TB-2 (water)	9-29	GW	3					
TB-2 (water)	9-30/1620	GW	1			8015 Volatiles Diesel TPH		1912-4
TA 2 (water)	9-30/1140	GW	3			8015 (Volatiles) ^{gas d. (A3)} 8025 (BTEX)		1912-5

Relinquished By	Date/Time	Received By	Relinquished By	Date/Time	Received By
<u>Ill</u>	/	/	/	/	/

FOR LAB USE ONLY

Shipping Method	Shipping #	Received By	Date/Time	Condition (See Remarks)		
<u>United Courier</u>		<u>Alison Abraham</u>	<u>10/11/93</u>	Cold <input checked="" type="checkbox"/>	Sealed <input checked="" type="checkbox"/>	Intact <input checked="" type="checkbox"/>
REMARKS <u>vals placed in guard houses upon receipt @ Lab</u>						

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

CHAIN OF CUSTODY RECORD



pg 1 of 2

LABORATORY CCAS	LABORATORY LOCATION SAN JOSE	DATE 10-1-93	FM JOB No. 9337-7532
CLIENT FM	PROJECT ENCINAL TERMINAL		
PROJECT MANAGER WILLIAM J. KLEIN	SAMPLER (Signature) <i>[Signature]</i>		

481

Laboratory No.	Sample No.	Location and Description	Date	Time	Vessel Type	No. of Vessels	Sample Matrix	Preservation Method	Tests Required
	36	SB - 5'	10/1/93	15:00	1	1	S	A	ABC
-2	37	SB - 10'							ABC
-3	38	SB - 15'							
-10	39	SB - 20'							
-3	40	SC - 5'	9/30/93	10:05					ABC
-4	41	SC - 10'		6:50					ABC
-6	42	TA - 2 @ 55'		11:40					DEF
-7	43	TA - 1 @ 55'		11:30					DEF

VESSEL TYPE	SAMPLE MATRIX	TEST REQUIRED
1. Brass or stainless steel sleeve, 2 1/2-inch diameter by 1, 3, 4, or 6 inches long	A Air	A 8240 Volatiles
2. Brass or stainless steel sleeve, 1 1/2-inch diameter by 4 inches long	B Solid	B 8270 Semi Volatiles
3. Stainless steel sleeve, 1 inch diameter by 6 inches long	W Water	C CAM METALS
4. Amber glass bottle with Teflon lined screw cap, 1,000 milliliters	O Other	D 8015 Nickel TPH
5. Amber glass bottle with Teflon lined screw cap, 250 milliliters	PRESERVATION METHOD	
6. Clear glass jar with Teflon lined screw cap, 4 or 8 ounces	A Artificial ice	E 8015 Volatiles TPH GRAV (A)
7. VOA vial, 40 milliliters	B NaHSO ₃	F 8020 BTEX
8. Mason jar, 1 pint or 1 quart	C HNO ₃	G
9. Plastic bottle, 1 liter	D None	H
10. Other	E Other	I
		J

RELINQUISHED BY: (Signature) <i>[Signature]</i>	RECEIVED BY: (Signature)	DATE:	TIME:
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:
RELINQUISHED BY: (Signature)	RECEIVED FOR LABORATORY BY: (Signature) <i>[Signature]</i>	DATE: 10/1/93	TIME: 17:00
METHOD OF SHIPMENT: WORLD COURIER	TURNAROUND TIME:	SAMPLE DISPOSAL: <input type="checkbox"/> Return to FM <input type="checkbox"/> Proper disposal by Lab after 90 days	

SPECIAL INSTRUCTIONS:

HANDLING INFORMATION

White - FM Copy Yellow - Laboratory Copy Pink - Return to FM with Results

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CHAIN OF CUSTODY RECORD



PA 2 of 2

LABORATORY CCAS	LABORATORY LOCATION SM-302	DATE 10-1-93	FM JOB No. 5337-53
CLIENT FM	PROJECT ENCINAL TERMINAL		
PROJECT MANAGER <i>[Signature]</i>		SAMPLER (Signature) <i>[Signature]</i>	

Laboratory No.	Sample No.	Location and Description	Date	Time	Vessel Type	No. of Vessels	Sample Matrix	Preservation Method	Tests Required
1913-5	4	E-5	9/30	10:00	1	1	S	A	ABC
	45	AGT-BKG	9/30	1800	1	1	S	A	DEFG

VESSEL TYPE	SAMPLE MATRIX	TEST REQUIRED
1 Brass or stainless steel sleeve, 2 1/2-inch diameter by 1, 3, 4, or 6 inches long	A Air	A 8015 Diesel TPH
2 Brass or stainless steel sleeve, 1 1/2-inch diameter by 4 inches long	S Solid	B 8015 Volatiles
3 Stainless steel sleeve, 1 inch diameter by 6 inches long	W Water	C 8020 BTEX
4 Amber glass bottle with Teflon lined screw cap, 1,000 milliliters	O Other	D PH
5 Amber glass bottle with Teflon lined screw cap, 260 milliliters	PRESERVATION METHOD	
6 Clear glass jar with Teflon lined screw cap, 4 or 6 ounces	A Artificial ice	E 701 Sulfoxides
7 VOA vial, 40 milliliters	B NaHSO ₃	F Alkalinity
8 Mason jar, 1 pint or 1 quart	C HNO ₃	G Sodium / Sulfate
9 Plastic bottle, 1 liter	D None	H
10 Other	E Other	I
		J

RELINQUISHED BY: (Signature) <i>[Signature]</i>	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE: <i>10/1/93</i>	TIME: <i>1700</i>
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:
RELINQUISHED BY: (Signature)	RECEIVED FOR LABORATORY BY: (Signature) <i>[Signature]</i>	DATE: <i>10/1/93</i>	TIME: <i>1700</i>
METHOD OF SHIPMENT: <i>World Courier</i>	TURNAROUND TIME:	SAMPLE DISPOSAL: <input type="checkbox"/> Return to FM <input checked="" type="checkbox"/> Proper disposal by Lab after 90 days	

SPECIAL INSTRUCTIONS:

HANDLING INFORMATION

White - FM Copy Yellow - Laboratory Copy Pink - Return to FM with Results

5855 Olivas Park Drive • Ventura, California 93003-7672 • (805) 650-7000, FAX (805) 650-7010



NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivias Park Drive
 Ventura, CA 93003

Lab Number : JJ-1917-1
 Project : 9337-7532 Encinal Terminal
 Analyzed : 10/11/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
#46, AGT-1 @ 1'	Soil	Joe Schaaf	09/29/93	10/01/93	
CONSTITUENT		(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
VOLATILE ORGANIC COMPOUNDS					1
Acetone		(67641)	100.	500.	
Benzene		(71432)	5.	ND	
Bromodichloromethane		(75274)	5.	ND	
Bromoform		(75252)	5.	ND	
Bromomethane		(74839)	5.	ND	
2-Butanone (MEK)		(78933)	50.	ND	
Carbon Disulfide		(75150)	10.	ND	
Carbon Tetrachloride		(56235)	5.	ND	
Chlorobenzene		(108907)	5.	ND	
Chloroethane		(75003)	5.	ND	
2-Chloroethyl Vinyl Ether		(110758)	50.	ND	
Chloroform		(67663)	10.	ND	
Chloromethane		(74873)	5.	ND	
Dibromochloromethane		(124481)	5.	ND	
1,2-Dichlorobenzene		(95501)	5.	ND	
1,3-Dichlorobenzene		(541731)	5.	ND	
1,4-Dichlorobenzene		(106467)	5.	ND	
1,1-Dichloroethane		(75343)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) EXTRACTED by EPA 5030 (purge-and-trap)

10/13/93
 FIN1/101117A
 MC/et/mcc
 FIN1-1011



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San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1917-1
 Project : 9337-7532 Encinal Terminal
 Analyzed : 10/11/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#46, AGT-1 @ 1'	Soil	Joe Schaaf	09/29/93	10/01/93
CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
1,2-Dichloroethane	(107062)	5.	ND	
1,1-Dichloroethene	(75354)	5.	ND	
cis-1,2-Dichloroethene	(156592)	5.	ND	
trans-1,2-Dichloroethene	(156605)	5.	ND	
1,2-Dichloropropane	(78875)	5.	ND	
cis-1,3-Dichloropropene	(100610105)	5.	ND	
trans-1,3-Dichloropropene	(10061026)	5.	ND	
Ethylbenzene	(100414)	5.	ND	
2-Hexanone	(591786)	30.	ND	
Methyl Isobutyl Ketone (MIBK)	(108101)	30.	ND	
Methylene Chloride	(75092)	50.	ND	
Styrene	(100425)	5.	ND	
1,1,2,2-Tetrachloroethane	(79345)	5.	ND	
Tetrachloroethene	(127184)	5.	ND	
Toluene	(108883)	5.	ND	
1,1,1-Trichloroethane	(71556)	5.	ND	
1,1,2-Trichloroethane	(79005)	5.	ND	
Trichloroethene	(79016)	5.	ND	
Trichlorofluoromethane	(75694)	5.	ND	
Trichlorotrifluoroethane	(76131)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 FIN1/10117A
 MC/et/mcc
 FIN1-1011



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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1917-1
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/11/93
Analyzed by: AZ
Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
#46, AGT-1 @ 1'	Soil	Joe Schaaf	09/29/93	10/01/93	
CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE	
Vinyl Acetate	(108054)	30.	ND		
Vinyl Chloride	(75014)	5.	ND		
Xylenes (total)	(1330207)	5.	ND		
D4-DCA (% Surrogate recovery #1)			96.		
DB-TOL (% Surrogate Recovery #2)			97.		
BFB (% Surrogate Recovery #3)			95.		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
FIN1/101117A
MC/et/mcc
FIN1-1011

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Marissa Coronel
Laboratory Director



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 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

QC Batch ID: PH931016A JJ-1917-1
 Project : 9337-7532 Encinal
 Terminal

QC DUPLICATE
 REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED				
#46, AGT-1 @ 1'	Solid	Joe Schaaf		09/29/93	10/01/93			
CONSTITUENT	*PQL	RESULT	%DIFF	UNITS	METHOD	ANALYZED	BY	NOTE
pH	0.1	10.	0.	Units	EPA 9045	10/16/93	JE	1
Alkalinity								
Total Alkalinity as CaCO3	50.	1400.	6.9	mg/Kg	EPA 310.1	10/15/93	TO	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Determined in deionized water.

10/17/93

NG/nfg/tho
 JJ1917-1

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone

Nick Gaone
 Inorganics Manager

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 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
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Lab Number : JJ-1917-1
 Project : 9337-7532 Encinal
 Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
#46, AGT-1 @ 1'	Soil	Joe Schaaf		09/29/93	10/01/93		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Sodium, Total	50.	1000.	mg/Kg	EPA 6010	10/12/93	KP	1
Sulfate	10.	50.	mg/Kg	EPA 300.0	10/08/93	JE	
pH	0.1	10.	Units	EPA 9045	10/16/93	JE	2
Alkalinity							
Total Alkalinity as CaCO3	50.	1500.	mg/Kg	EPA 310.1	10/15/93	TO	
Bicarbonate	50.	1100.	mg/Kg	EPA 310.1	10/15/93	TO	
Carbonate	10.	400.	mg/Kg	EPA 310.1	10/15/93	TO	
Hydroxide	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) Sample Preparation on 10/07/93 by AL using EPA 3050
- (2) Determined in deionized water.

10/18/93

NG/nfg/jst/tho
 5093100701

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Nick Gaone
 Inorganics Manager



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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1917-2
Project : 9337-7532 Encinal
Terminal

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
#47, AGT-1 @ 3'	Soil	Joe Schaaf		09/29/93	10/01/93		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Sodium, Total	50.	7100.	mg/Kg	EPA 6010	10/12/93	KP	1
Sulfate	10.	50.	mg/Kg	EPA 300.0	10/08/93	JE	
pH	0.1	11.	Units	EPA 9045	10/16/93	JE	2
Alkalinity							
Total Alkalinity as CaCO3	50.	6100.	mg/Kg	EPA 310.1	10/15/93	TO	
Bicarbonate	50.	3200.	mg/Kg	EPA 310.1	10/15/93	TO	
Carbonate	10.	2100.	mg/Kg	EPA 310.1	10/15/93	TO	
Hydroxide	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) Sample Preparation on 10/07/93 by AL using EPA 3050
- (2) Determined in deionized water.

10/17/93
NG/nfg/tho
5093100701

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone
Nick Gaone
Inorganics Manager

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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1917-3
Project : 9337-7532 Encinal
Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
#48, AGT-2 @ 1'	Soil	Joe Schaaf		09/29/93	10/01/93		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Sodium, Total	50.	60.	mg/Kg	EPA 6010	10/12/93	KP	1
Sulfate	10.	190.	mg/Kg	EPA 300.0	10/08/93	JE	
pH	0.1	3.9	Units	EPA 9045	10/16/93	JE	2
Alkalinity							
Total Alkalinity as CaCO3	50.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Bicarbonate	50.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Carbonate	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Hydroxide	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/07/93 by AL using EPA 3050

(2) Determined in deionized water.

10/17/93

NG/nfg/tho
5093100701

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone

Nick Gaone
Inorganics Manager

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 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1917-4
 Project : 9337-7532 Encinal
 Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
#49, AGT-2 @ 3.5'	Soil	Joe Schaaf		09/29/93	10/01/93		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Sodium, Total	50.	1100.	mg/Kg	EPA 6010	10/12/93	KP	1
Sulfate	10.	26000.	mg/Kg	EPA 300.0	10/14/93	JE	
pH	0.1	3.5	Units	EPA 9045	10/16/93	JE	2
Alkalinity							
Total Alkalinity as CaCO3	50.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Bicarbonate	50.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Carbonate	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Hydroxide	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) Sample Preparation on 10/07/93 by AL using EPA 3050
- (2) Determined in deionized water.

10/17/93

NG/nfg/tho
 5093100701

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone

Nick Gaone
 Inorganics Manager



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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1918-3
Project : 9337-7532 Encinal
Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
AGT-2	Groundwater	Joe Schaaf		10/01/93	10/01/93		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Sodium, Total Recoverable	5.	250.	mg/L	EPA 6010	10/12/93	KP	1
Sulfate	1.	14000.	mg/L	EPA 300.0	10/08/93	JE	
pH	0.1	3.5	Units	EPA 150.1	10/06/93	TO	
Alkalinity							
Total Alkalinity as CaCO3	5.	ND	mg/L	EPA 310.1	10/15/93	TO	
Bicarbonate	5.	ND	mg/L	EPA 310.1	10/15/93	TO	
Carbonate	1.	ND	mg/L	EPA 310.1	10/15/93	TO	
Hydroxide	1.	ND	mg/L	EPA 310.1	10/15/93	TO	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/06/93 by AL using EPA 3005

10/17/93

NG/nfg/tho
0593100602

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone
Inorganics Manager

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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1917-5
Project : 9337-7532 Encinal
Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
#50, AGT-3 @ 6"	Soil	Joe Schaaf		09/29/93	10/01/93		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Sodium, Total	50.	740.	mg/Kg	EPA 6010	10/12/93	KP	1
Sulfate	10.	6400.	mg/Kg	EPA 300.0	10/08/93	JE	
pH	0.1	6.4	Units	EPA 9045	10/16/93	JE	2
Alkalinity							
Total Alkalinity as CaCO3	50.	80.	mg/Kg	EPA 310.1	10/15/93	TO	
Bicarbonate	50.	100.	mg/Kg	EPA 310.1	10/15/93	TO	
Carbonate	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Hydroxide	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/07/93 by AL using EPA 3050

(2) Determined in deionized water.

10/17/93

NG/nfg/tho
5093100701

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone

Nick Gaone
Inorganics Manager

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 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1917-6
 Project : 9337-7532 Encinal
 Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
#51, AGT-3 @ 3'	Soil	Joe Schaaf		09/29/93	10/01/93		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Sodium, Total	50.	210.	mg/Kg	EPA 6010	10/12/93	KP	1
Sulfate	10.	4200.	mg/Kg	EPA 300.0	10/08/93	JE	
pH	0.1	4.1	Units	EPA 9045	10/16/93	JE	2
Alkalinity							
Total Alkalinity as CaCO3	50.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Bicarbonate	50.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Carbonate	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Hydroxide	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) Sample Preparation on 10/07/93 by AL using EPA 3050
- (2) Determined in deionized water.

10/17/93

NG/nfg/tho
 5093100701

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone

Nick Gaone
 Inorganics Manager



Air, Water & Hazardous Waste Sampling, Analysis & Consultation
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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1917-7
Project : 9337-7532 Encinal
Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
#52, AGT-4 @ 6"	Soil	Joe Schaaf		09/29/93	10/01/93		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Sodium, Total	50.	320.	mg/Kg	EPA 6010	10/12/93	KP	1
Sulfate	10.	3400.	mg/Kg	EPA 300.0	10/08/93	JE	
pH	0.1	3.1	Units	EPA 9045	10/16/93	JE	2
Alkalinity							
Total Alkalinity as CaCO3	50.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Bicarbonate	50.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Carbonate	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Hydroxide	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) Sample Preparation on 10/07/93 by AL using EPA 3050
- (2) Determined in deionized water.

10/17/93

NG/nfg/tho
5093100701

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone
Nick Gaone
Inorganics Manager

**COAST-TO-COAST
ANALYTICAL
SERVICES**

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
 Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1917-8
 Project : 9337-7532 Encinal
 Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
#53, AGT-4 @ 4'	Soil	Joe Schaaf		09/29/93	10/01/93		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Sodium, Total	50.	510.	mg/Kg	EPA 6010	10/12/93	KP	1
Sulfate	10.	24000.	mg/Kg	EPA 300.0	10/14/93	JE	
pH	0.1	4.2	Units	EPA 9045	10/16/93	JE	2
Alkalinity							
Total Alkalinity as CaCO3	50.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Bicarbonate	50.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Carbonate	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Hydroxide	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) Sample Preparation on 10/07/93 by AL using EPA 3050
- (2) Determined in deionized water.

10/17/93

NG/nfg/tho
 5093100701

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone

Nick Gaone
 Inorganics Manager

**COAST - TO -
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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

QC Batch ID: SO4931005B JJ-1917-8
Project : 9337-7532 Encinal
Terminal

QC DUPLICATE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#53, AGT-4 @ 4'	Solid	Joe Schaaf	09/29/93	10/01/93
CONSTITUENT	*PQL	RESULT	DIFF UNITS METHOD	ANALYZED BY NOTE
Sulfate	10.	24000.	0. mg/Kg EPA 300.0	10/14/93 JE

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/17/93

NG
JJ1917-8

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Nick Gaone
Inorganics Manager



NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1918-4
Project : 9337-7532 Encinal
Terminal

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
AGT-4	Groundwater	Joe Schaaf		10/01/93	10/01/93		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Sodium, Total Recoverable	5.	420.	mg/L	EPA 6010	10/12/93	KP	1
Sulfate	1.	21000.	mg/L	EPA 300.0	10/08/93	JE	
pH	0.1	3.6	Units	EPA 150.1	10/06/93	TO	
Alkalinity							
Total Alkalinity as CaCO3	5.	ND	mg/L	EPA 310.1	10/15/93	TO	
Bicarbonate	5.	ND	mg/L	EPA 310.1	10/15/93	TO	
Carbonate	1.	ND	mg/L	EPA 310.1	10/15/93	TO	
Hydroxide	1.	ND	mg/L	EPA 310.1	10/15/93	TO	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/06/93 by AL using EPA 3005

10/17/93

NG/nfg/tho
0593100602

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone

Nick Gaone
Inorganics Manager

**COAST - TO -
COAST
ANALYTICAL
SERVICES**

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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1903-8
 Project : 9337-7532 Encinal
 Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
#45, AGT-BKG	Soil	Alan Klein		09/30/93	10/01/93		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Sodium, Total	50.	480.	mg/Kg	EPA 6010	10/11/93	KP	1
Sulfate	10.	2400.	mg/Kg	EPA 300.0	10/08/93	JE	
pH	0.1	4.7	Units	EPA 9045	10/15/93	TO	2
Alkalinity							
Total Alkalinity as CaCO3	50.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Bicarbonate	50.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Carbonate	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	
Hydroxide	10.	ND	mg/Kg	EPA 310.1	10/15/93	TO	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) Sample Preparation on 10/06/93 by AL using EPA 3050
- (2) Determined in deionized water.

10/15/93
 NG/sab
 5093100601

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone

Nick Gaone
 Inorganics Manager

CHAIN OF CUSTODY RECORD



LABORATORY CCAS	LABORATORY LOCATION SAN JOSE	DATE 9/29/93	PROJECT NO. 93377532
CLIENT ENCINAL TERMINAL	PROJECT Site Assessment		
PROJECT MANAGER Steve Bjoerou	SAMPLER (Signature) <i>[Signature]</i>		

JG

Laboratory No.	Sample No.	Location and Description	Date	Time	Vessel Type	No. of Vessels	Sample Matrix	Preservation Method	Tests Required
	46	AGT-1 @ 1'	9/29/93	17:00	1	1	S	A	A, B, C, D, E
-2	47	AGT-1 @ 3'		17:15	1	1	S	A	A, B, C, D
-3	48	AGT-2 @ 1'		17:40	1	1	S	A	A, B, C, D
-4	49	AGT-2 @ 3.5'		17:55	1	1	S	A	A, B, C, D
-5	50	AGT-3 @ 6"		18:10	1	1	S	A	A, B, C, D
-6	51	AGT-3 @ 3'		18:20	1	1	S	A	A, B, C, D
-7	52	AGT-4 @ 6"		18:20	1	1	S	A	A, B, C, D
-8	53	AGT-4 @ 4'		18:50	1	1	S	A	A, B, C, D

VESEL TYPE	SAMPLE MATRIX	TEST REQUIRED
1 Brass or stainless steel sleeve, 2 1/2-inch diameter by 1, 3, 4, or 6 inches long	A Air	A pH
2 Brass or stainless steel sleeve, 1 1/2-inch diameter by 4 inches long	S Solid	B TOTAL SULFATES
3 Stainless steel sleeve, 1 inch diameter by 6 inches long	W Water	C ALKALINITY
4 Amber glass bottle with Teflon lined screw cap, 1,000 milliliters	O Other	D Sodium
5 Amber glass bottle with Teflon lined screw cap, 260 milliliters	PRESERVATION METHOD	
6 Clear glass jar with Teflon lined screw cap, 4 or 6 ounces	A Artificial ice	E 8240 VOLATILES
7 VOA vial, 40 milliliters	B NaHSO ₄	F
8 Mason jar, 1 pint or 1 quart	C HNO ₃	G
9 Plastic bottle, 1 liter	D None	H
10 Other	E Other	I
		J

RELINQUISHED BY: (Signature) <i>[Signature]</i>	RECEIVED BY: (Signature)	DATE: 10/10/93	TIME: 13:00
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:

RELINQUISHED BY: (Signature)	RECEIVED FOR LABORATORY BY: (Signature) <i>[Signature]</i>	DATE: 10/01/93	TIME: 1700
------------------------------	---	--------------------------	----------------------

METHOD OF SHIPMENT: World Courier	TURNAROUND TIME:	SAMPLE DISPOSAL: <input type="checkbox"/> Return to FM <input checked="" type="checkbox"/> Proper disposal by Lab after 60 days
---	------------------	--

SPECIAL INSTRUCTIONS:

HANDLING INFORMATION

White - FM Copy Yellow - Laboratory Copy Pink - Return to FM with Results

5855 Olivas Park Drive • Ventura, California 93003-7672 • (805) 650-7000, FAX (805) 650-7010



LABORATORY CCAS	LABORATORY LOCATION SAN JOSE	DATE 10/1/93	FM JOB No. 933752
CLIENT ENCINAL TERMINAL	PROJECT Site Assessment		
PROJECT MANAGER Steve Boudreau	SAMPLER (Signature) <i>[Signature]</i>		

Laboratory No.	Sample No.	Location and Description	Date	Time	Vessel Type	No. of Vessels	Sample Matrix	Preservation Method	Tests Required
<i>off</i> 1918-1	SB	SB-1 WATER	9/29/93	16:55	7	3	W	A, E	A, B
-2	SC	SC-1 WATER	9/29/93	9:40	7	3	W	A, E	A, B
-3	AGT-2	AGT-2 WATER	10/1/93	8:20	4	1	W	A	C, D, E, F
-4	AGT-4	AGT-4 WATER	10/1/93	8:50	4	1	W	A	C, D, E, F

VESSEL TYPE	SAMPLE MATRIX	TEST REQUIRED
1 Brass or stainless steel sleeve, 2 1/2-inch diameter by 1, 3, 4, or 6 inches long	A Air	A SOIL VOLATILES
2 Brass or stainless steel sleeve, 1 1/2-inch diameter by 4 inches long	S Solid	B KORO RTEX
3 Stainless steel sleeve, 1 inch diameter by 6 inches long	W Water	C PH
4 Amber glass bottle with Teflon lined screw cap, 1,000 milliliters	O Other	D SULFATES
5 Amber glass bottle with Teflon lined screw cap, 250 milliliters	PRESERVATION METHOD	
6 Clear glass jar with Teflon lined screw cap, 4 or 6 ounces	A Artificial ice	E ALKALINITY
7 VOA vial, 40 milliliters	B NaHSO ₃	F Sodium
8 Mason jar, 1 pint or 1 quart	C HNO ₃	G
9 Plastic bottle, 1 liter	D None	H
10 Other:	E Other: HCL	I
		J

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:
RELINQUISHED BY: (Signature)	RECEIVED FOR LABORATORY BY: (Signature) <i>Alison Abraham</i>	DATE: 10/01/93	TIME: 1700
METHOD OF SHIPMENT: <i>World Courier</i>	TURNAROUND TIME:	SAMPLE DISPOSAL: <input type="checkbox"/> Return to FM <input checked="" type="checkbox"/> Proper disposal by Lab after 60 days	

SPECIAL INSTRUCTIONS:

HANDLING INFORMATION
vials placed in quad bottles at lab

White - FM Copy Yellow - Laboratory Copy Pink - Return to FM with Results

M 2 512

LABORATORY CCAS		LABORATORY LOCATION San Jose		DATE 10-1-93		FM JOB No. 553-752				
CLIENT FM		PROJECT ENCINAL T-FILM INC								
PROJECT MANAGER S. ...		SAMPLER (Signature) Alan I. Kline								
Laboratory No.	Sample No.	Location and Description	Date	Time	Vessel Type	No. of Vessels	Sample Matrix	Preservation Method	Tests Required	
	1915-5	305			1	1	S	A	(ABC)	
	845	AGT-BKG	9-30	1800	1	1	S	A	DEFG	
VESSEL TYPE					SAMPLE MATRIX			TEST REQUIRED		
1	Brass or stainless steel sleeve, 2 1/2-inch diameter by 1, 3, 4, or 6 inches long				A	Air		A	8015 Diesel TPH	
2	Brass or stainless steel sleeve, 1 1/2-inch diameter by 4 inches long				S	Solid		B	8015 Volatiles	
3	Stainless steel sleeve, 1 inch diameter by 6 inches long				W	Water		C	8020 BTEX	
4	Amber glass bottle with Teflon lined screw cap, 1,000 milliliters				D	Other		D	pH	
5	Amber glass bottle with Teflon lined screw cap, 280 milliliters				PRESERVATION METHOD			E	PHI SULFATES	
6	Clear glass jar with Teflon lined screw cap, 4 or 6 ounces				A	Artificial ice		F	ALKALINITY	
7	VDA vial, 40 milliliters				B	NaHSO ₃		G	SALINITY (7.0-10.0)	
8	Mason jar, 1 pint or 1 quart				C	HNO ₃		H		
9	Plastic bottle, 1 liter				D	None		I		
10	Other				E	Other		J		
RELINQUISHED BY: (Signature) Alan I. Kline			RECEIVED BY: (Signature)			DATE:	TIME:			
RELINQUISHED BY: (Signature)			RECEIVED BY: (Signature)			DATE:	TIME:			
RELINQUISHED BY: (Signature)			RECEIVED FOR LABORATORY BY: (Signature) Alan I. Kline			DATE: 10/1/93	TIME: 17:00			
METHOD OF SHIPMENT: World Courier		TURNAROUND TIME:		SAMPLE DISPOSAL:		<input type="checkbox"/> Return to FM <input checked="" type="checkbox"/> Proper disposal by Lab after 90 days				
SPECIAL INSTRUCTIONS:										
HANDLING INFORMATION:										

White - FM Copy Yellow - Laboratory Copy Pink - Return to FM with Results

5855 Olivas Park Drive • Ventura, California 93003-7672 • (805) 650-7000, FAX (805) 650-7010



NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-1
 Project : 9337-7532 Encinal
 Terminal

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#1, FDA-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Total	0.5	ND	mg/Kg	EPA 7041	10/10/93	KP	1
Arsenic, Total	0.5	31.	mg/Kg	EPA 7060	10/10/93	KP	1
Barium, Total	5.	110.	mg/Kg	EPA 6010	10/10/93	KP	1
Beryllium, Total	0.5	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Chromium, Total	0.5	39.	mg/Kg	EPA 6010	10/10/93	KP	1
Cobalt, Total	1.	10.	mg/Kg	EPA 6010	10/10/93	KP	1
Copper, Total	0.5	98.	mg/Kg	EPA 6010	10/10/93	KP	1
Lead, Total	1.	240.	mg/Kg	EPA 7420	10/11/93	LW	1
Mercury, Total	0.004	ND	mg/Kg	EPA 7471	10/06/93	DO	
Molybdenum, Total	3.	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Nickel, Total	1.	66.	mg/Kg	EPA 6010	10/10/93	KP	1
Selenium, Total	0.5	ND	mg/Kg	EPA 7740	10/10/93	KP	1
Silver, Total	0.2	1.2	mg/Kg	EPA 7760	10/10/93	NT	1
Thallium, Total	5.	8.	mg/Kg	EPA 7840	10/11/93	LW	1
Vanadium, Total	2.	28.	mg/Kg	EPA 6010	10/10/93	KP	1
Zinc, Total	1.	200.	mg/Kg	EPA 6010	10/10/93	KP	1
Chromium, Hexavalent	39.	ND	mg/Kg	Calc	10/10/93	KP	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) Sample Preparation on 10/05/93 by NT using EPA 3050

10/13/93

NG/nfg
 5093100501

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone
 Nick Gaone
 Inorganics Manager

**COAST - TO -
COAST
ANALYTICAL
SERVICES**

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 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-1
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#1, FDA-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
VOLATILE ORGANIC COMPOUNDS				1
Acetone	(67641)	100.	ND	
Benzene	(71432)	5.	ND	
Bromodichloromethane	(75274)	5.	ND	
Bromoform	(75252)	5.	ND	
Bromomethane	(74839)	5.	ND	
2-Butanone (MEK)	(78933)	50.	ND	
Carbon Disulfide	(75150)	10.	ND	
Carbon Tetrachloride	(56235)	5.	ND	
Chlorobenzene	(108907)	5.	ND	
Chloroethane	(75003)	5.	ND	
2-Chloroethyl Vinyl Ether	(110758)	50.	ND	
Chloroform	(67663)	10.	ND	
Chloromethane	(74873)	5.	ND	
Dibromochloromethane	(124481)	5.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/08/93
 FIN1/100410A
 MC/mcc/ahz/xgs
 FIN1/1004

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-1
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/04/93
Analyzed by: AZ
Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#1, FDA-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
1,1-Dichloroethane	(75343)	5.	ND	
1,2-Dichloroethane	(107062)	5.	ND	
1,1-Dichloroethene	(75354)	5.	ND	
cis-1,2-Dichloroethene	(156592)	5.	ND	
trans-1,2-Dichloroethene	(156605)	5.	ND	
1,2-Dichloropropane	(78875)	5.	ND	
cis-1,3-Dichloropropene	(100610105)	5.	ND	
trans-1,3-Dichloropropene	(10061026)	5.	ND	
Ethylbenzene	(100414)	5.	ND	
2-Hexanone	(591786)	30.	ND	
Methyl Isobutyl Ketone (MIBK)	(108101)	30.	ND	
Methylene Chloride	(75092)	30.	ND	
Styrene	(100425)	5.	ND	
1,1,2,2-Tetrachloroethane	(79345)	20.	ND	
Tetrachloroethene	(127184)	5.	ND	
Toluene	(108883)	5.	ND	
1,1,1-Trichloroethane	(71556)	5.	ND	
1,1,2-Trichloroethane	(79005)	5.	ND	
Trichloroethene	(79016)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
FIN1/100410A
MC/mcc/ahz/rqs
FIN1/1004



NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-1
 Project : 9337-7532 Encinal Terminal
 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#1, FDA-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
Trichlorofluoromethane	(75694)	5.	ND	
Trichlorotrifluoroethane	(76131)	5.	ND	
Vinyl Acetate	(108054)	30.	ND	
Vinyl Chloride	(75014)	5.	ND	
Xylenes (total)	(1330207)	5.	ND	
D4-DCA (% Surrogate recovery #1)			101.	
D8-TOL (% Surrogate Recovery #2)			94.	
BFB (% Surrogate Recovery #3)			85.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
 FIN1/100410A
 MC/mcc/ahz/zgs
 FIN1/1004

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
 Marissa Coronel
 Laboratory Director



NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-1
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#1, FDA-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS				1
Acenaphthylene	(208968)	0.5	ND	
Acenaphthene	(83329)	0.5	ND	
Anthracene	(120127)	0.5	ND	
Benzidine	(92875)	5.	ND	
Benzo(a)anthracene	(56553)	0.5	ND	
Benzo(b)fluoranthene	(205992)	0.5	ND	
Benzo(k)fluoranthene	(207089)	0.5	ND	
Benzo(a)pyrene	(50328)	0.5	ND	
Benzo(ghi)perylene	(191242)	0.5	ND	
Bis(2-chloroethoxy)methane	(111911)	0.5	ND	
Bis(2-chloroethyl)ether	(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether	(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate	(117817)	1.	ND	
4-Bromophenylphenylether	(101553)	0.5	ND	
Butylbenzylphthalate	(85687)	0.5	ND	
2-Chloronaphthalene	(91587)	0.5	ND	
4-Chlorophenylphenylether	(7005723)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/11/93 by AC

10/13/93
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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-1
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
#1, FDA-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93	
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
Chrysene	(218019)	0.5	ND		
Dibenzo(a,h)anthracene	(53703)	0.5	ND		
Di-n-butylphthalate	(84742)	0.5	ND		
1,2-Dichlorobenzene	(95501)	0.5	ND		
1,3-Dichlorobenzene	(541731)	0.5	ND		
1,4-Dichlorobenzene	(105467)	0.5	ND		
3,3-Dichlorobenzidine	(91941)	5.	ND		
Diethylphthalate	(84662)	0.5	ND		
Dimethylphthalate	(131113)	0.5	ND		
2,4-Dinitrotoluene	(121142)	0.5	ND		
2,6-Dinitrotoluene	(606202)	0.5	ND		
Di-n-octylphthalate	(117840)	0.5	ND		
Fluoranthene	(206440)	0.5	ND		
Fluorene	(86737)	0.5	ND		
Hexachlorobenzene	(118741)	0.5	ND		
Hexachlorobutadiene	(87683)	0.5	ND		
Hexachlorocyclopentadiene	(77474)	0.5	ND		
Hexachloroethane	(67721)	0.5	ND		
Indeno(1,2,3-cd)pyrene	(193395)	0.5	ND		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#1, FDA-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Isophorone	(78591)	0.5	ND	
Methylnaphthalenes	(91576)	0.5	ND	
Naphthalene	(91203)	0.5	ND	
Nitrobenzene	(98953)	0.5	ND	
N-Nitrosodimethylamine	(62759)	0.5	ND	
N-Nitrosodiphenylamine	(86306)	0.5	ND	
N-Nitrosodi-n-propylamine	(621647)	0.5	ND	
Phenanthrene	(85018)	0.5	ND	
Pyrene	(129000)	0.5	ND	
Trichlorobenzene	(108703)	0.5	ND	
4-Chloro-3-methylphenol	(59507)	2.	ND	
2-Chlorophenol	(95578)	2.	ND	
Cresols (total)		2.	ND	
2,4-Dichlorophenol	(120832)	2.	ND	
2,4-Dimethylphenol	(105679)	2.	ND	
2,4-Dinitrophenol	(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	2.	ND	
2-Nitrophenol	(88755)	2.	ND	
4-Nitrophenol	(100027)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#1, FDA-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Pentachlorophenol	(87865)	2.	ND	
Phenol	(108952)	2.	ND	
2,4,6-Trichlorophenol	(88062)	2.	ND	
Aldrin	(309002)	0.5	ND	
alpha BHC	(319846)	0.5	ND	
beta BHC	(319857)	0.5	ND	
delta-BHC	(319868)	0.5	ND	
gamma BHC (Lindane)	(58899)	0.5	ND	
p,p'-DDD	(72548)	0.5	ND	
p,p'-DDE	(72559)	0.5	ND	
p,p'-DDT	(50293)	0.5	ND	
Dieldrin	(60571)	0.5	ND	
Endosulfan I	(959988)	0.5	ND	
Endosulfan II	(33213659)	0.5	ND	
Endosulfan sulfate	(1031078)	0.5	ND	
Endrin	(72208)	0.5	ND	
Endrin aldehyde	(7421934)	0.5	ND	
Heptachlor	(76448)	1.	ND	
Heptachlor epoxide	(1024573)	1.	ND	

San Jose Lab Certifications: CAELAP #1204

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REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#1, FDA-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Methoxychlor	(72435)	1.	ND	
AROCLOR 1016	(12674112)	10.	ND	
AROCLOR 1221	(11104282)	10.	ND	
AROCLOR 1232	(11141165)	10.	ND	
AROCLOR 1242	(53469219)	10.	ND	
AROCLOR 1248	(12672296)	10.	ND	
AROCLOR 1254	(11097691)	10.	ND	
AROCLOR 1260	(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)			88.	
2-Fluorophenol (Surrogate % Recovery)			86.	
2,4,6-Tribromophenol (Surrogate % Recovery)			75.	
Nitrobenzene-d5 (Surrogate % Recovery)			92.	
2-Fluorobiphenyl (Surrogate % Recovery)			107.	
4-Terphenyl-d14 (Surrogate % Recovery)			120.	

San Jose Lab Certifications: CAELAP #1204

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10/13/93
MSD2/2E72B
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Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marionel
Marissa Coronel
Laboratory Director



NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1912-1
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/06/93
 Analyzed by: AZ
 Method : E624/8240

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
FDA-1	Groundwater	Alan Klein	09/30/93	10/01/93

CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
VOLATILE ORGANIC COMPOUNDS				1
Acetone	(67641)	20.	35.	
Benzene	(71432)	1.	ND	
Bromodichloromethane	(75274)	1.	ND	
Bromoform	(75252)	1.	ND	
Bromomethane	(74839)	1.	ND	
2-Butanone (MEK)	(78933)	10.	ND	
Carbon Disulfide	(75150)	2.	ND	
Carbon Tetrachloride	(56235)	1.	ND	
Chlorobenzene	(108907)	1.	ND	
Chloroethane	(75003)	1.	ND	
2-Chloroethyl Vinyl Ether	(110758)	5.	ND	
Chloroform	(67663)	1.	ND	
Chloromethane	(74873)	1.	ND	
Dibromochloromethane	(124481)	1.	ND	
1,2-Dichlorobenzene	(95501)	1.	ND	
1,3-Dichlorobenzene	(541731)	1.	ND	
1,4-Dichlorobenzene	(106467)	1.	ND	
1,1-Dichloroethane	(75343)	1.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) EXTRACTED by EPA 5030 (purge-and-trap)

10/08/93
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 FIN1/1006

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(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1912-1
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/06/93
Analyzed by: AZ
Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
FDA-1	Groundwater	Alan Klein	09/30/93	10/01/93
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
1,2-Dichloroethane	(107062)	1.	ND	
1,1-Dichloroethene	(75354)	1.	ND	
cis-1,2-Dichloroethene	(156592)	1.	ND	
trans-1,2-Dichloroethene	(156605)	1.	ND	
1,2-Dichloropropane	(78875)	1.	ND	
cis-1,3-Dichloropropene	(100610105)	1.	ND	
trans-1,3-Dichloropropene	(10061026)	1.	ND	
Ethylbenzene	(100414)	1.	ND	
2-Hexanone	(591786)	5.	ND	
Methyl Isobutyl Ketone (MIBK)	(108101)	5.	ND	
Methylene Chloride	(75092)	5.	ND	
Styrene	(100425)	1.	ND	
1,1,2,2-Tetrachloroethane	(79345)	2.	ND	
Tetrachloroethene	(127184)	1.	ND	
Toluene	(108883)	1.	ND	
1,1,1-Trichloroethane	(71556)	1.	ND	
1,1,2-Trichloroethane	(79005)	1.	ND	
Trichloroethene	(79016)	1.	ND	
Trichlorofluoromethane	(75694)	1.	ND	
Trichlorotrifluoroethane	(76131)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
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FIN1/1006



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 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1912-1
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/06/93
 Analyzed by: AZ
 Method : E624/8240

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
FDA-1	Groundwater	Alan Klein	09/30/93	10/01/93	
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Vinyl Acetate		(108054)	5.	ND	
Vinyl Chloride		(75014)	1.	ND	
Xylenes (total)		(1330207)	1.	ND	
D4-DCA (% Surrogate recovery #1)				99.	
D8-TOL (% Surrogate Recovery #2)				95.	
BFB (% Surrogate Recovery #3)				89.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
 FIN1/100610A
 MC/mcc/ahz
 FIN1/1006

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
 Laboratory Director



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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-2
 Project : 9337-7532 Encinal
 Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#5, FDA-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Total	0.5	ND	mg/Kg	EPA 7041	10/10/93	KP	1
Arsenic, Total	0.5	31.	mg/Kg	EPA 7060	10/10/93	KP	1
Barium, Total	5.	75.	mg/Kg	EPA 6010	10/10/93	KP	1
Beryllium, Total	0.5	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Chromium, Total	0.5	41.	mg/Kg	EPA 6010	10/10/93	KP	1
Cobalt, Total	1.	10.	mg/Kg	EPA 6010	10/10/93	KP	1
Copper, Total	0.5	66.	mg/Kg	EPA 6010	10/10/93	KP	1
Lead, Total	1.	160.	mg/Kg	EPA 7420	10/11/93	LW	1
Mercury, Total	0.004	0.074	mg/Kg	EPA 7471	10/06/93	DO	
Molybdenum, Total	3.	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Nickel, Total	1.	78.	mg/Kg	EPA 6010	10/10/93	KP	1
Selenium, Total	0.5	ND	mg/Kg	EPA 7740	10/10/93	KP	1
Silver, Total	0.2	1.1	mg/Kg	EPA 7760	10/10/93	NT	1
Thallium, Total	5.	8.	mg/Kg	EPA 7840	10/11/93	LW	1
Vanadium, Total	2.	24.	mg/Kg	EPA 6010	10/10/93	KP	1
Zinc, Total	1.	220.	mg/Kg	EPA 6010	10/10/93	KP	1
Chromium, Hexavalent	41.	ND	mg/Kg	Calc	10/10/93	KP	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/05/93 by NT using EPA 3050

10/13/93

NG/nfg
 5093100501

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Nick Gaone
 Inorganics Manager

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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-2
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/04/93
Analyzed by: AZ
Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#5, FDA-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
VOLATILE ORGANIC COMPOUNDS				1
Acetone	(67641)	100.	ND	
Benzene	(71432)	5.	ND	
Bromodichloromethane	(75274)	5.	ND	
Bromoform	(75252)	5.	ND	
Bromomethane	(74839)	5.	ND	
2-Butanone (MEK)	(78933)	50.	ND	
Carbon Disulfide	(75150)	10.	ND	
Carbon Tetrachloride	(56235)	5.	ND	
Chlorobenzene	(108907)	5.	ND	
Chloroethane	(75003)	5.	ND	
2-Chloroethyl Vinyl Ether	(110758)	50.	ND	
Chloroform	(67663)	10.	ND	
Chloromethane	(74873)	5.	ND	
Dibromochloromethane	(124481)	5.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

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(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/08/93
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REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#5, FDA-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
1,1-Dichloroethane	(75343)	5.	ND	
1,2-Dichloroethane	(107062)	5.	ND	
1,1-Dichloroethene	(75354)	5.	ND	
cis-1,2-Dichloroethene	(156592)	5.	ND	
trans-1,2-Dichloroethene	(156605)	5.	ND	
1,2-Dichloropropane	(78875)	5.	ND	
cis-1,3-Dichloropropene	(100610105)	5.	ND	
trans-1,3-Dichloropropene	(10061026)	5.	ND	
Ethylbenzene	(100414)	5.	ND	
2-Hexanone	(591786)	30.	ND	
Methyl Isobutyl Ketone (MIBK)	(108101)	30.	ND	
Methylene Chloride	(75092)	30.	ND	
Styrene	(100425)	5.	ND	
1,1,2,2-Tetrachloroethane	(79345)	20.	ND	
Tetrachloroethene	(127184)	5.	ND	
Toluene	(108883)	5.	ND	
1,1,1-Trichloroethane	(71556)	5.	ND	
1,1,2-Trichloroethane	(79005)	5.	ND	
Trichloroethene	(79016)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

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 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-2
 Project : 9337-7532 Encinal Terminal
 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#5, FDA-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
Trichlorofluoromethane	(75694)	5.	ND	
Trichlorotrifluoroethane	(76131)	5.	ND	
Vinyl Acetate	(108054)	30.	ND	
Vinyl Chloride	(75014)	5.	ND	
Xylenes (total)	(1330207)	5.	ND	
D4-DCA (% Surrogate recovery #1)			104.	
D8-TOL (% Surrogate Recovery #2)			97.	
BFB (% Surrogate Recovery #3)			89.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
 FIN1/100411A
 MC/mcc/ahz/rgs
 FIN1/1004

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
 Marissa Coronel
 Laboratory Director



Air, Water & Hazardous Waste Sampling, Analysis & Consultation
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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-2
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#5, FDA-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS				1
Acenaphthylene	(208968)	0.5	ND	
Acenaphthene	(83329)	0.5	ND	
Anthracene	(120127)	0.5	ND	
Benzidine	(92875)	5.	ND	
Benzo(a)anthracene	(56553)	0.5	ND	
Benzo(b)fluoranthene	(205992)	0.5	ND	
Benzo(k)fluoranthene	(207089)	0.5	ND	
Benzo(a)pyrene	(50328)	0.5	ND	
Benzo(ghi)perylene	(191242)	0.5	ND	
Bis(2-chloroethoxy)methane	(111911)	0.5	ND	
Bis(2-chloroethyl)ether	(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether	(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate	(117817)	1.	ND	
4-Bromophenylphenylether	(101553)	0.5	ND	
Butylbenzylphthalate	(85687)	0.5	ND	
2-Chloronaphthalene	(91587)	0.5	ND	
4-Chlorophenylphenylether	(7005723)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/11/93 by AC

10/13/93
 MSD2/2E70B
 MC/mcc/dez
 BNA-101193



NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

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 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-2
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#5, FDA-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Chrysene	(218019)	0.5	ND	
Dibenzo(a,h)anthracene	(53703)	0.5	ND	
Di-n-butylphthalate	(84742)	0.5	ND	
1,2-Dichlorobenzene	(95501)	0.5	ND	
1,3-Dichlorobenzene	(541731)	0.5	ND	
1,4-Dichlorobenzene	(106467)	0.5	ND	
3,3-Dichlorobenzidine	(91941)	5.	ND	
Diethylphthalate	(84662)	0.5	ND	
Dimethylphthalate	(131113)	0.5	ND	
2,4-Dinitrotoluene	(121142)	0.5	ND	
2,6-Dinitrotoluene	(606202)	0.5	ND	
Di-n-octylphthalate	(117840)	0.5	ND	
Fluoranthene	(206440)	0.5	ND	
Fluorene	(86737)	0.5	ND	
Hexachlorobenzene	(118741)	0.5	ND	
Hexachlorobutadiene	(87683)	0.5	ND	
Hexachlorocyclopentadiene	(77474)	0.5	ND	
Hexachloroethane	(67721)	0.5	ND	
Indeno(1,2,3-cd)pyrene	(193395)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E70B
 MC/mcc/dez
 ENA-101193



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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

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 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

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 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#5, FDA-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Isophorone	(78591)	0.5	ND	
Methylnaphthalenes	(91576)	0.5	ND	
Naphthalene	(91203)	0.5	ND	
Nitrobenzene	(98953)	0.5	ND	
N-Nitrosodimethylamine	(62759)	0.5	ND	
N-Nitrosodiphenylamine	(86306)	0.5	ND	
N-Nitrosodi-n-propylamine	(621647)	0.5	ND	
Phenanthrene	(85018)	0.5	ND	
Pyrene	(129000)	0.5	ND	
Trichlorobenzene	(108703)	0.5	ND	
4-Chloro-3-methylphenol	(59507)	2.	ND	
2-Chlorophenol	(95578)	2.	ND	
Cresols (total)		2.	ND	
2,4-Dichlorophenol	(120832)	2.	ND	
2,4-Dimethylphenol	(105679)	2.	ND	
2,4-Dinitrophenol	(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	2.	ND	
2-Nitrophenol	(88755)	2.	ND	
4-Nitrophenol	(100027)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E70B
 MC/mcc/dez
 BNA-101193



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Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#5, FDA-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Pentachlorophenol	(87865)	2.	ND	
Phenol	(108952)	2.	ND	
2,4,6-Trichlorophenol	(88062)	2.	ND	
Aldrin	(309002)	0.5	ND	
alpha BHC	(319846)	0.5	ND	
beta BHC	(319857)	0.5	ND	
delta-BHC	(319868)	0.5	ND	
gamma BHC (Lindane)	(58899)	0.5	ND	
p,p'-DDD	(72548)	0.5	ND	
p,p'-DDE	(72559)	0.5	ND	
p,p'-DDT	(50293)	0.5	ND	
Dieldrin	(60571)	0.5	ND	
Endosulfan I	(959988)	0.5	ND	
Endosulfan II	(33213659)	0.5	ND	
Endosulfan sulfate	(1031078)	0.5	ND	
Endrin	(72208)	0.5	ND	
Endrin aldehyde	(7421934)	0.5	ND	
Heptachlor	(76448)	1.	ND	
Heptachlor epoxide	(1024573)	1.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
MSD2/2E70B
MC/mcc/dez
ENA-101193



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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-2
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#5, FDA-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Methoxychlor	(72435)	1.	ND	
AROCLOR 1016	(12674112)	10.	ND	
AROCLOR 1221	(11104282)	10.	ND	
AROCLOR 1232	(11141165)	10.	ND	
AROCLOR 1242	(53469219)	10.	ND	
AROCLOR 1248	(12672296)	10.	ND	
AROCLOR 1254	(11097691)	10.	ND	
AROCLOR 1260	(11096825)	10.	ND	
Phenol-d5 (Surrogate & Recovery)			80.	
2-Fluorophenol (Surrogate & Recovery)			60.	
2,4,6-Tribromophenol (Surrogate & Recovery)			64.	
Nitrobenzene-d5 (Surrogate & Recovery)			71.	
2-Fluorobiphenyl (Surrogate & Recovery)			74.	
4-Terphenyl-d14 (Surrogate & Recovery)			99.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
MSD2/2E70B
MC/mcc/dez
EPA-101193

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Marissa Coronel
Laboratory Director



NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-3
 Project : 9337-7532 Encinal
 Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
#6, FDA-2 @ 10'	Soil	A.Klein & J.Schaaf		09/28/93	09/29/93

CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Total	0.5	ND	mg/Kg	EPA 7041	10/10/93	KP	1
Arsenic, Total	0.5	2.8	mg/Kg	EPA 7060	10/10/93	KP	1
Barium, Total	5.	18.	mg/Kg	EPA 6010	10/10/93	KP	1
Beryllium, Total	0.5	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Chromium, Total	0.5	43.	mg/Kg	EPA 6010	10/10/93	KP	1
Cobalt, Total	1.	6.	mg/Kg	EPA 6010	10/10/93	KP	1
Copper, Total	0.5	16.	mg/Kg	EPA 6010	10/10/93	KP	1
Lead, Total	1.	11.	mg/Kg	EPA 7420	10/11/93	LW	1
Mercury, Total	0.004	0.018	mg/Kg	EPA 7471	10/06/93	DO	
Molybdenum, Total	3.	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Nickel, Total	1.	49.	mg/Kg	EPA 6010	10/10/93	KP	1
Selenium, Total	0.5	ND	mg/Kg	EPA 7740	10/10/93	KP	1
Silver, Total	0.2	0.8	mg/Kg	EPA 7760	10/10/93	NT	1
Thallium, Total	5.	6.	mg/Kg	EPA 7840	10/11/93	LW	1
Vanadium, Total	2.	28.	mg/Kg	EPA 6010	10/10/93	KP	1
Zinc, Total	1.	51.	mg/Kg	EPA 6010	10/10/93	KP	1
Chromium, Hexavalent	43.	ND	mg/Kg	Calc	10/10/93	KP	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) Sample Preparation on 10/05/93 by NT using EPA 3050

10/13/93
 NG/nfg
 5093100501

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gagne

Nick Gagne
 Inorganics Manager

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-3
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/04/93
Analyzed by: AZ
Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#6, FDA-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
VOLATILE ORGANIC COMPOUNDS				1
Acetone	(67641)	100.	100.	
Benzene	(71432)	5.	ND	
Bromodichloromethane	(75274)	5.	ND	
Bromoform	(75252)	5.	ND	
Bromomethane	(74839)	5.	ND	
2-Butanone (MEK)	(78933)	50.	ND	
Carbon Disulfide	(75150)	10.	12.	
Carbon Tetrachloride	(56235)	5.	ND	
Chlorobenzene	(108907)	5.	ND	
Chloroethane	(75003)	5.	ND	
2-Chloroethyl Vinyl Ether	(110758)	50.	ND	
Chloroform	(67663)	10.	ND	
Chloromethane	(74873)	5.	ND	
Dibromochloromethane	(124481)	5.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/08/93
FIN1/100412A
MC/mcc/ahz/rgs
FIN1/1004

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-3
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/04/93
Analyzed by: AZ
Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#6, FDA-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
1,1-Dichloroethane	(75343)	5.	ND	
1,2-Dichloroethane	(107062)	5.	ND	
1,1-Dichloroethene	(75354)	5.	ND	
cis-1,2-Dichloroethene	(156592)	5.	ND	
trans-1,2-Dichloroethene	(156605)	5.	ND	
1,2-Dichloropropane	(78875)	5.	ND	
cis-1,3-Dichloropropene	(100610105)	5.	ND	
trans-1,3-Dichloropropene	(10061026)	5.	ND	
Ethylbenzene	(100414)	5.	ND	
2-Hexanone	(591786)	30.	ND	
Methyl Isobutyl Ketone (MIBK)	(108101)	30.	ND	
Methylene Chloride	(75092)	30.	ND	
Styrene	(100425)	5.	ND	
1,1,2,2-Tetrachloroethane	(79345)	20.	ND	
Tetrachloroethene	(127184)	5.	ND	
Toluene	(108883)	5.	ND	
1,1,1-Trichloroethane	(71556)	5.	ND	
1,1,2-Trichloroethane	(79005)	5.	ND	
Trichloroethene	(79016)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
FIN1/100412A
MC/mcc/ahz/rgs
FIN1/1004



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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivias Park Drive
 Ventura, CA 93003

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 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#6, FDA-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93


CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
Trichlorofluoromethane	(75694)	5.	ND	
Trichlorotrifluoroethane	(76131)	5.	ND	
Vinyl Acetate	(108054)	30.	ND	
Vinyl Chloride	(75014)	5.	ND	
Xylenes (total)	(1330207)	5.	ND	
D4-DCA (% Surrogate recovery #1)			99.	
D8-TOL (% Surrogate Recovery #2)			92.	
BFB (% Surrogate Recovery #3)			87.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
 FIN1/100412A
 MC/mcc/ahz/rgs
 FIN1/1004

Respectfully submitted,
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 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

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 Fugro-McClelland
 5855 Olivas Park Drive
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Lab Number : JJ-1868-3
 Project : 9337-7532 Encinal Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#6, FDA-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS				1
Acenaphthylene	(208968)	0.5	ND	
Acenaphthene	(83329)	0.5	ND	
Anthracene	(120127)	0.5	ND	
Benzidine	(92875)	5.	ND	
Benzo(a)anthracene	(56553)	0.5	ND	
Benzo(b)fluoranthene	(205992)	0.5	ND	
Benzo(k)fluoranthene	(207089)	0.5	ND	
Benzo(a)pyrene	(50328)	0.5	ND	
Benzo(ghi)perylene	(191242)	0.5	ND	
Bis(2-chloroethoxy)methane	(111911)	0.5	ND	
Bis(2-chloroethyl)ether	(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether	(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate	(117817)	1.	ND	
4-Bromophenylphenylether	(101553)	0.5	ND	
Butylbenzylphthalate	(85687)	0.5	ND	
2-Chloronaphthalene	(91587)	0.5	ND	
4-Chlorophenylphenylether	(7005723)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/11/93 by AC

10/13/93
 MSD2/2E65B/78B
 MC/mcc/dez
 ENA-101193



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REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#6, FDA-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Chrysene	(218019)	0.5	ND	
Dibenzo(a,h)anthracene	(53703)	0.5	ND	
Di-n-butylphthalate	(84742)	0.5	ND	
1,2-Dichlorobenzene	(95501)	0.5	ND	
1,3-Dichlorobenzene	(541731)	0.5	ND	
1,4-Dichlorobenzene	(106467)	0.5	ND	
3,3-Dichlorobenzidine	(91941)	5.	ND	
Diethylphthalate	(84662)	0.5	ND	
Dimethylphthalate	(131113)	0.5	ND	
2,4-Dinitrotoluene	(121142)	0.5	ND	
2,6-Dinitrotoluene	(606202)	0.5	ND	
Di-n-octylphthalate	(117840)	0.5	ND	
Fluoranthene	(206440)	0.5	ND	
Fluorene	(86737)	0.5	ND	
Hexachlorobenzene	(118741)	0.5	ND	
Hexachlorobutadiene	(87683)	0.5	ND	
Hexachlorocyclopentadiene	(77474)	0.5	ND	
Hexachloroethane	(67721)	0.5	ND	
Indeno(1,2,3-cd)pyrene	(193395)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
MSD2/2E65B/78B
MC/mcc/dez
EVA-101193



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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-3
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#6, FDA-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Isophorone	(78591)	0.5	ND	
Methylnaphthalenes	(91576)	0.5	ND	
Naphthalene	(91203)	0.5	ND	
Nitrobenzene	(98953)	0.5	ND	
N-Nitrosodimethylamine	(62759)	0.5	ND	
N-Nitrosodiphenylamine	(86306)	0.5	ND	
N-Nitrosodi-n-propylamine	(621647)	0.5	ND	
Phenanthrene	(85018)	0.5	ND	
Pyrene	(129000)	0.5	ND	
Trichlorobenzene	(108703)	0.5	ND	
4-Chloro-3-methylphenol	(59507)	2.	ND	
2-Chlorophenol	(95578)	2.	ND	
Cresols (total)		2.	ND	
2,4-Dichlorophenol	(120832)	2.	ND	
2,4-Dimethylphenol	(105679)	2.	ND	
2,4-Dinitrophenol	(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	2.	ND	
2-Nitrophenol	(88755)	2.	ND	
4-Nitrophenol	(100027)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E65B/78B
 MC/mcc/dez
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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-3
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#6, FDA-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Pentachlorophenol	(87865)	2.	ND	
Phenol	(108952)	2.	ND	
2,4,6-Trichlorophenol	(88062)	2.	ND	
Aldrin	(309002)	0.5	ND	
alpha BHC	(319846)	0.5	ND	
beta BHC	(319857)	0.5	ND	
delta-BHC	(319868)	0.5	ND	
gamma BHC (Lindane)	(58899)	0.5	ND	
p,p'-DDD	(72548)	0.5	ND	
p,p'-DDE	(72559)	0.5	ND	
p,p'-DDT	(50293)	0.5	ND	
Dieldrin	(60571)	0.5	ND	
Endosulfan I	(959988)	0.5	ND	
Endosulfan II	(33213659)	0.5	ND	
Endosulfan sulfate	(1031078)	0.5	ND	
Endrin	(72208)	0.5	ND	
Endrin aldehyde	(7421934)	0.5	ND	
Heptachlor	(76448)	1.	ND	
Heptachlor epoxide	(1024573)	1.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E65B/78B
 MC/mcc/dez
 ENA-101193



NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-3
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#6, FDA-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Methoxychlor	(72435)	1.	ND	
AROCLOR 1016	(12674112)	10.	ND	
AROCLOR 1221	(11104282)	10.	ND	
AROCLOR 1232	(11141165)	10.	ND	
AROCLOR 1242	(53469219)	10.	ND	
AROCLOR 1248	(12672296)	10.	ND	
AROCLOR 1254	(11097691)	10.	ND	
AROCLOR 1260	(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)			38.	
2-Fluorophenol (Surrogate % Recovery)			21.	
2,4,6-Tribromophenol (Surrogate % Recovery)			30.	
Nitrobenzene-d5 (Surrogate % Recovery)			23.	
2-Fluorobiphenyl (Surrogate % Recovery)			12.	
4-Terphenyl-d14 (Surrogate % Recovery)			75.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E65B/78B
 MC/mcc/dez
 ENA-101193

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
 Marissa Coronel
 Laboratory Director



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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-4
 Project : 9337-7532 Encinal
 Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
#9, FDB-1 @ 5'	Soil	A.Klein & J.Schaaf		09/28/93	09/29/93

CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Total	0.5	ND	mg/Kg	EPA 7041	10/10/93	KP	1
Arsenic, Total	0.5	7.7	mg/Kg	EPA 7060	10/10/93	KP	1
Barium, Total	5.	46.	mg/Kg	EPA 6010	10/10/93	KP	1
Beryllium, Total	0.5	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Chromium, Total	0.5	39.	mg/Kg	EPA 6010	10/10/93	KP	1
Cobalt, Total	1.	10.	mg/Kg	EPA 6010	10/10/93	KP	1
Copper, Total	0.5	36.	mg/Kg	EPA 6010	10/10/93	KP	1
Lead, Total	1.	140.	mg/Kg	EPA 7420	10/11/93	LW	1
Mercury, Total	0.004	ND	mg/Kg	EPA 7471	10/06/93	DO	
Molybdenum, Total	3.	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Nickel, Total	1.	72.	mg/Kg	EPA 6010	10/10/93	KP	1
Selenium, Total	0.5	ND	mg/Kg	EPA 7740	10/10/93	KP	1
Silver, Total	0.2	0.9	mg/Kg	EPA 7760	10/10/93	NT	1
Thallium, Total	5.	6.	mg/Kg	EPA 7840	10/11/93	LW	1
Vanadium, Total	2.	22.	mg/Kg	EPA 6010	10/10/93	KP	1
Zinc, Total	1.	220.	mg/Kg	EPA 6010	10/10/93	KP	1
Chromium, Hexavalent	39.	ND	mg/Kg	Calc	10/10/93	KP	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) Sample Preparation on 10/05/93 by NT using EPA 3050

10/13/93

NG/nfg
 5093100501

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone

Nick Gaone
 Inorganics Manager



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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-4
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#9, FDB-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
VOLATILE ORGANIC COMPOUNDS				1
Acetone	(67641)	100.	ND	
Benzene	(71432)	5.	ND	
Bromodichloromethane	(75274)	5.	ND	
Bromoform	(75252)	5.	ND	
Bromomethane	(74839)	5.	ND	
2-Butanone (MEK)	(78933)	50.	ND	
Carbon Disulfide	(75150)	10.	ND	
Carbon Tetrachloride	(56235)	5.	ND	
Chlorobenzene	(108907)	5.	ND	
Chloroethane	(75003)	5.	ND	
2-Chloroethyl Vinyl Ether	(110758)	50.	ND	
Chloroform	(67663)	10.	ND	
Chloromethane	(74873)	5.	ND	
Dibromochloromethane	(124481)	5.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/08/93
 FIN1/100413A
 MC/mcc/ahz/rgs
 FIN1/1004



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 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-4
 Project : 9337-7532 Encinal Terminal
 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#9, FDB-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
1,1-Dichloroethane	(75343)	5.	ND	
1,2-Dichloroethane	(107062)	5.	ND	
1,1-Dichloroethene	(75354)	5.	ND	
cis-1,2-Dichloroethene	(156592)	5.	ND	
trans-1,2-Dichloroethene	(156605)	5.	ND	
1,2-Dichloropropane	(78875)	5.	ND	
cis-1,3-Dichloropropene	(100610105)	5.	ND	
trans-1,3-Dichloropropene	(10061026)	5.	ND	
Ethylbenzene	(100414)	5.	ND	
2-Hexanone	(591786)	30.	ND	
Methyl Isobutyl Ketone (MIBK)	(108101)	30.	ND	
Methylene Chloride	(75092)	30.	ND	
Styrene	(100425)	5.	ND	
1,1,2,2-Tetrachloroethane	(79345)	20.	ND	
Tetrachloroethene	(127184)	5.	ND	
Toluene	(108883)	5.	ND	
1,1,1-Trichloroethane	(71556)	5.	ND	
1,1,2-Trichloroethane	(79005)	5.	ND	
Trichloroethene	(79016)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
 FIN1/100413A
 MC/mcc/ahz/rgs
 FIN1/1004

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-4
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/04/93
Analyzed by: AZ
Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#9, FDB-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
Trichlorofluoromethane	(75694)	5.	ND	
Trichlorotrifluoroethane	(76131)	5.	ND	
Vinyl Acetate	(108054)	30.	ND	
Vinyl Chloride	(75014)	5.	ND	
Xylenes (total)	(1330207)	5.	ND	
D4-DCA (% Surrogate recovery #1)			97.	
D8-TOL (% Surrogate Recovery #2)			92.	
BFB (% Surrogate Recovery #3)			88.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
FIN1/100413A
MC/mcc/ahz/rgs
FIN1/1004

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Marissa Coronel
Laboratory Director



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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-4
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#9, FDB-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS				1
Acenaphthylene	(208968)	0.5	ND	
Acenaphthene	(83329)	0.5	ND	
Anthracene	(120127)	0.5	ND	
Benzidine	(92875)	5.	ND	
Benzo(a)anthracene	(56553)	0.5	ND	
Benzo(b)fluoranthene	(205992)	0.5	ND	
Benzo(k)fluoranthene	(207089)	0.5	ND	
Benzo(a)pyrene	(50328)	0.5	ND	
Benzo(ghi)perylene	(191242)	0.5	ND	
Bis(2-chloroethoxy)methane	(111911)	0.5	ND	
Bis(2-chloroethyl)ether	(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether	(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate	(117817)	1.	ND	
4-Bromophenylphenylether	(101553)	0.5	ND	
Butylbenzylphthalate	(85687)	0.5	ND	
2-Chloronaphthalene	(91587)	0.5	ND	
4-Chlorophenylphenylether	(7005723)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/11/93 by AC

10/13/93
 MSD2/2E71B
 MC/mcc/dez
 ENA-101193



NorCal Division (San Jose Laboratory) San Jose, CA 95131
 2059 Junction Ave. (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-4
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#9, FDB-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Chrysene	(218019)	0.5	ND	
Dibenzo(a,h)anthracene	(53703)	0.5	ND	
Di-n-butylphthalate	(84742)	0.5	ND	
1,2-Dichlorobenzene	(95501)	0.5	ND	
1,3-Dichlorobenzene	(541731)	0.5	ND	
1,4-Dichlorobenzene	(106467)	0.5	ND	
3,3-Dichlorobenzidine	(91941)	5.	ND	
Diethylphthalate	(84662)	0.5	ND	
Dimethylphthalate	(131113)	0.5	ND	
2,4-Dinitrotoluene	(121142)	0.5	ND	
2,6-Dinitrotoluene	(606202)	0.5	ND	
Di-n-octylphthalate	(117840)	0.5	ND	
Fluoranthene	(206440)	0.5	ND	
Fluorene	(86737)	0.5	ND	
Hexachlorobenzene	(118741)	0.5	ND	
Hexachlorobutadiene	(87683)	0.5	ND	
Hexachlorocyclopentadiene	(77474)	0.5	ND	
Hexachloroethane	(67721)	0.5	ND	
Indeno(1,2,3-cd)pyrene	(193395)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204
 *RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E71B
 MC/mcc/dez
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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

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 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-4
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 Analyzed : 10/12/93
 Analyzed by: DZ
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REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#9, FDB-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Isophorone	(78591)	0.5	ND	
Methylnaphthalenes	(91576)	0.5	ND	
Naphthalene	(91203)	0.5	ND	
Nitrobenzene	(98953)	0.5	ND	
N-Nitrosodimethylamine	(62759)	0.5	ND	
N-Nitrosodiphenylamine	(86306)	0.5	ND	
N-Nitrosodi-n-propylamine	(621647)	0.5	ND	
Phenanthrene	(85018)	0.5	ND	
Pyrene	(129000)	0.5	ND	
Trichlorobenzene	(108703)	0.5	ND	
4-Chloro-3-methylphenol	(59507)	2.	ND	
2-Chlorophenol	(95578)	2.	ND	
Cresols (total)		2.	ND	
2,4-Dichlorophenol	(120832)	2.	ND	
2,4-Dimethylphenol	(105679)	2.	ND	
2,4-Dinitrophenol	(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	2.	ND	
2-Nitrophenol	(88755)	2.	ND	
4-Nitrophenol	(100027)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E71B
 MC/mcc/dez
 ENA-101193



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 Ventura, CA 93003

Lab Number : JJ-1868-4
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#9, FDB-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Pentachlorophenol	(87865)	2.	ND	
Phenol	(108952)	2.	ND	
2,4,6-Trichlorophenol	(88062)	2.	ND	
Aldrin	(309002)	0.5	ND	
alpha BHC	(319846)	0.5	ND	
beta BHC	(319857)	0.5	ND	
delta-BHC	(319868)	0.5	ND	
gamma BHC (Lindane)	(58899)	0.5	ND	
p,p'-DDD	(72548)	0.5	ND	
p,p'-DDE	(72559)	0.5	ND	
p,p'-DDT	(50293)	0.5	ND	
Dieldrin	(60571)	0.5	ND	
Endosulfan I	(959988)	0.5	ND	
Endosulfan II	(33213659)	0.5	ND	
Endosulfan sulfate	(1031078)	0.5	ND	
Endrin	(72208)	0.5	ND	
Endrin aldehyde	(7421934)	0.5	ND	
Heptachlor	(76448)	1.	ND	
Heptachlor epoxide	(1024573)	1.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E71B
 MC/mcc/dez
 ENA-101193



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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-4
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#9, FDB-1 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Methoxychlor	(72435)	1.	ND	
AROCLOR 1016	(12674112)	10.	ND	
AROCLOR 1221	(11104282)	10.	ND	
AROCLOR 1232	(11141165)	10.	ND	
AROCLOR 1242	(53469219)	10.	ND	
AROCLOR 1248	(12672296)	10.	ND	
AROCLOR 1254	(11097691)	10.	ND	
AROCLOR 1260	(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)			85.	
2-Fluorophenol (Surrogate % Recovery)			69.	
2,4,6-Tribromophenol (Surrogate % Recovery)			65.	
Nitrobenzene-d5 (Surrogate % Recovery)			92.	
2-Fluorobiphenyl (Surrogate % Recovery)			83.	
4-Terphenyl-d14 (Surrogate % Recovery)			101.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E71B
 MC/mcc/dez
 BNA-101193

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
 Marissa Coronel
 Laboratory Director

NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-5
 Project : 9337-7532 Encinal
 Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
#13, FDB-2 @ 5'	Soil	A.Klein & J.Schaaf		09/28/93	09/29/93		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Total	0.5	ND	mg/Kg	EPA 7041	10/10/93	KP	1
Arsenic, Total	0.5	8.0	mg/Kg	EPA 7060	10/10/93	KP	1
Barium, Total	5.	55.	mg/Kg	EPA 6010	10/10/93	KP	1
Beryllium, Total	0.5	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Chromium, Total	0.5	36.	mg/Kg	EPA 6010	10/10/93	KP	1
Cobalt, Total	1.	7.	mg/Kg	EPA 6010	10/10/93	KP	1
Copper, Total	0.5	68.	mg/Kg	EPA 6010	10/10/93	KP	1
Lead, Total	1.	260.	mg/Kg	EPA 7420	10/11/93	LW	1
Mercury, Total	0.004	ND	mg/Kg	EPA 7471	10/06/93	DO	
Molybdenum, Total	3.	ND	mg/Kg	EPA 6010	10/10/93	KP	1
Nickel, Total	1.	56.	mg/Kg	EPA 6010	10/10/93	KP	1
Selenium, Total	0.5	ND	mg/Kg	EPA 7740	10/10/93	KP	1
Silver, Total	0.2	1.2	mg/Kg	EPA 7760	10/10/93	NT	1
Thallium, Total	5.	7.	mg/Kg	EPA 7840	10/11/93	LW	1
Vanadium, Total	2.	20.	mg/Kg	EPA 6010	10/10/93	KP	1
Zinc, Total	1.	150.	mg/Kg	EPA 6010	10/10/93	KP	1
Chromium, Hexavalent	36.	ND	mg/Kg	Calc	10/10/93	KP	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/05/93 by NT using EPA 3050

10/13/93

NG/nfg
 5093100501

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone

Nick Gaone
 Inorganics Manager



NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-5
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#13, FDB-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
VOLATILE ORGANIC COMPOUNDS				
Acetone	(67641)	100.	ND	1
Benzene	(71432)	5.	ND	
Bromodichloromethane	(75274)	5.	ND	
Bromoform	(75252)	5.	ND	
Bromomethane	(74839)	5.	ND	
2-Butanone (MEK)	(78933)	50.	ND	
Carbon Disulfide	(75150)	10.	ND	
Carbon Tetrachloride	(56235)	5.	ND	
Chlorobenzene	(108907)	5.	ND	
Chloroethane	(75003)	5.	ND	
2-Chloroethyl Vinyl Ether	(110758)	50.	ND	
Chloroform	(67663)	10.	ND	
Chloromethane	(74873)	5.	ND	
Dibromochloromethane	(124481)	5.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) EXTRACTED by EPA 5030 (purge-and-trap)

10/08/93
 FIN1/100414A
 MC/mcc/ahz/rgs
 FIN1/1004

NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-5
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#13, FDB-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
1,1-Dichloroethane	(75343)	5.	ND	
1,2-Dichloroethane	(107062)	5.	ND	
1,1-Dichloroethene	(75354)	5.	ND	
cis-1,2-Dichloroethene	(156592)	5.	ND	
trans-1,2-Dichloroethene	(156605)	5.	ND	
1,2-Dichloropropane	(78875)	5.	ND	
cis-1,3-Dichloropropene	(100610105)	5.	ND	
trans-1,3-Dichloropropene	(10061026)	5.	ND	
Ethylbenzene	(100414)	5.	ND	
2-Hexanone	(591786)	30.	ND	
Methyl Isobutyl Ketone (MIBK)	(108101)	30.	ND	
Methylene Chloride	(75092)	30.	ND	
Styrene	(100425)	5.	ND	
1,1,2,2-Tetrachloroethane	(79345)	20.	ND	
Tetrachloroethene	(127184)	5.	ND	
Toluene	(108883)	5.	ND	
1,1,1-Trichloroethane	(71556)	5.	ND	
1,1,2-Trichloroethane	(79005)	5.	ND	
Trichloroethene	(79016)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
 FIN1/100414A
 MC/mcc/ahz/rge
 FIN1/1004

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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-5
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#13, FDB-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
Trichlorofluoromethane	(75694)	5.	ND	
Trichlorotrifluoroethane	(76131)	5.	ND	
Vinyl Acetate	(108054)	30.	ND	
Vinyl Chloride	(75014)	5.	ND	
Xylenes (total)	(1330207)	5.	ND	
D4-DCA (% Surrogate recovery #1)			90.	
D8-TOL (% Surrogate Recovery #2)			90.	
BFB (% Surrogate Recovery #3)			79.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
 FIN1/100414A
 MC/mcc/ahz/rgs
 FIN1/1004

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
 Marissa Coronel
 Laboratory Director



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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-5
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#13, FDB-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS				1
Acenaphthylene	(208968)	0.5	ND	
Acenaphthene	(83329)	0.5	ND	
Anthracene	(120127)	0.5	ND	
Benzidine	(92875)	5.	ND	
Benzo(a)anthracene	(56553)	0.5	ND	
Benzo(b)fluoranthene	(205992)	0.5	ND	
Benzo(k)fluoranthene	(207089)	0.5	ND	
Benzo(a)pyrene	(50328)	0.5	ND	
Benzo(ghi)perylene	(191242)	0.5	ND	
Bis(2-chloroethoxy)methane	(111911)	0.5	ND	
Bis(2-chloroethyl)ether	(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether	(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate	(117817)	1.	ND	
4-Bromophenylphenylether	(101553)	0.5	ND	
Butylbenzylphthalate	(85687)	0.5	ND	
2-Chloronaphthalene	(91587)	0.5	ND	
4-Chlorophenylphenylether	(7005723)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/11/93 by AC

10/13/93
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 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-5
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#13, FDB-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Chrysene	(218019)	0.5	ND	
Dibenzo(a,h)anthracene	(53703)	0.5	ND	
Di-n-butylphthalate	(84742)	0.5	ND	
1,2-Dichlorobenzene	(95501)	0.5	ND	
1,3-Dichlorobenzene	(541731)	0.5	ND	
1,4-Dichlorobenzene	(106467)	0.5	ND	
3,3-Dichlorobenzidine	(91941)	5.	ND	
Diethylphthalate	(84662)	0.5	ND	
Dimethylphthalate	(131113)	0.5	ND	
2,4-Dinitrotoluene	(121142)	0.5	ND	
2,6-Dinitrotoluene	(606202)	0.5	ND	
Di-n-octylphthalate	(117840)	0.5	ND	
Fluoranthene	(206440)	0.5	ND	
Fluorene	(86737)	0.5	ND	
Hexachlorobenzene	(118741)	0.5	ND	
Hexachlorobutadiene	(87683)	0.5	ND	
Hexachlorocyclopentadiene	(77474)	0.5	ND	
Hexachloroethane	(67721)	0.5	ND	
Indeno(1,2,3-cd)pyrene	(193395)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E69B
 MC/mcc/dez
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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-5
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#13, FDB-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Isophorone	(78591)	0.5	ND	
Methylnaphthalenes	(91576)	0.5	ND	
Naphthalene	(91203)	0.5	ND	
Nitrobenzene	(98953)	0.5	ND	
N-Nitrosodimethylamine	(62759)	0.5	ND	
N-Nitrosodiphenylamine	(86306)	0.5	ND	
N-Nitrosodi-n-propylamine	(621647)	0.5	ND	
Phenanthrene	(85018)	0.5	ND	
Pyrene	(129000)	0.5	ND	
Trichlorobenzene	(108703)	0.5	ND	
4-Chloro-3-methylphenol	(59507)	2.	ND	
2-Chlorophenol	(95578)	2.	ND	
Cresols (total)		2.	ND	
2,4-Dichlorophenol	(120832)	2.	ND	
2,4-Dimethylphenol	(105679)	2.	ND	
2,4-Dinitrophenol	(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	2.	ND	
2-Nitrophenol	(88755)	2.	ND	
4-Nitrophenol	(100027)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
MSD2/2E69B
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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-5
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
#13, FDB-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93	
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
2,4,6-Trichlorophenol		(87865)	2.	ND	
2,4,6-Trichlorophenol		(108952)	2.	ND	
2,4,6-Trichlorophenol		(88062)	2.	ND	
CHLORINATED PESTICIDES			10.	ND	
Aldrin		(309002)	0.5	ND	
alpha BHC		(319846)	0.5	ND	
beta BHC		(319857)	0.5	ND	
delta-BHC		(319868)	0.5	ND	
gamma BHC (Lindane)		(58899)	0.5	ND	
p,p'-DDD		(72548)	0.5	ND	
p,p'-DDE		(72559)	0.5	ND	
p,p'-DDT		(50293)	0.5	ND	
Dieldrin		(60571)	0.5	ND	
Endosulfan I		(959988)	0.5	ND	
Endosulfan II		(33213659)	0.5	ND	
Endosulfan sulfate		(1031078)	0.5	ND	
Endrin		(72208)	0.5	ND	
Endrin aldehyde		(7421934)	0.5	ND	
Heptachlor		(76448)	1.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E69B
 MC/mcc/dez
 BVA-101193

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-5
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#13, FDB-2 @ 5'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Heptachlor epoxide	(1024573)	1.	ND	
Methoxychlor	(72435)	1.	ND	
AROCLOR 1016	(12674112)	10.	ND	
AROCLOR 1221	(11104282)	10.	ND	
AROCLOR 1232	(11141165)	10.	ND	
AROCLOR 1242	(53469219)	10.	ND	
AROCLOR 1248	(12672296)	10.	ND	
AROCLOR 1254	(11097691)	10.	ND	
AROCLOR 1260	(11096825)	10.	ND	
Phenol-d5 (Surrogate & Recovery)			65.	
2-Fluorophenol (Surrogate & Recovery)			54.	
2,4,6-Tribromophenol (Surrogate & Recovery)			52.	
Nitrobenzene-d5 (Surrogate & Recovery)			67.	
2-Fluorobiphenyl (Surrogate & Recovery)			66.	
4-Terphenyl-d14 (Surrogate & Recovery)			72.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
MSD2/2E69B
MC/mcc/dez
BNA-101193

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Marissa Coronel
Laboratory Director



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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-6
Project : 9337-7532 Encinal
Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
@14, FDB-2 @ 10'	Soil	A.Klein & J.Schaaf		09/28/93	09/29/93

CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Total	0.5	ND	mg/Kg	EPA 7041	10/10/93	KP	1
Arsenic, Total	0.5	3.7	mg/Kg	EPA 7060	10/10/93	KP	1
Barium, Total	5.	17.	mg/Kg	EPA 6010	10/11/93	KP	1
Beryllium, Total	0.5	ND	mg/Kg	EPA 6010	10/11/93	KP	1
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	10/11/93	KP	1
Chromium, Total	0.5	40.	mg/Kg	EPA 6010	10/11/93	KP	1
Cobalt, Total	1.	6.	mg/Kg	EPA 6010	10/11/93	KP	1
Copper, Total	0.5	12.	mg/Kg	EPA 6010	10/11/93	KP	1
Lead, Total	1.	11.	mg/Kg	EPA 7420	10/11/93	LW	1
Mercury, Total	0.004	ND	mg/Kg	EPA 7471	10/06/93	DO	
Molybdenum, Total	3.	ND	mg/Kg	EPA 6010	10/11/93	KP	1
Nickel, Total	1.	43.	mg/Kg	EPA 6010	10/11/93	KP	1
Selenium, Total	0.5	ND	mg/Kg	EPA 7740	10/10/93	KP	1
Silver, Total	0.2	0.9	mg/Kg	EPA 7760	10/10/93	NT	1
Thallium, Total	5.	6.	mg/Kg	EPA 7840	10/11/93	LW	1
Vanadium, Total	2.	28.	mg/Kg	EPA 6010	10/11/93	KP	1
Zinc, Total	1.	38.	mg/Kg	EPA 6010	10/11/93	KP	1
Chromium, Hexavalent	40.	ND	mg/Kg	Calc	10/11/93	KP	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/05/93 by NT using EPA 3050

10/13/93

NG/nfg
5093100501

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone
Inorganics Manager



NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-6
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
@14, FDB-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
				1
VOLATILE ORGANIC COMPOUNDS				
Acetone	(67641)	100.	ND	
Benzene	(71432)	5.	ND	
Bromodichloromethane	(75274)	5.	ND	
Bromoform	(75252)	5.	ND	
Bromomethane	(74839)	5.	ND	
2-Butanone (MEK)	(78933)	50.	ND	
Carbon Disulfide	(75150)	10.	21.	
Carbon Tetrachloride	(56235)	5.	ND	
Chlorobenzene	(108907)	5.	ND	
Chloroethane	(75003)	5.	ND	
2-Chloroethyl Vinyl Ether	(110758)	50.	ND	
Chloroform	(67663)	10.	ND	
Chloromethane	(74873)	5.	ND	
Dibromochloromethane	(124481)	5.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) EXTRACTED by EPA 5030 (purge-and-trap)

10/08/93
 FIN1/100415A
 MC/mcc/ahz/rgs
 FIN1/1004

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-6
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/04/93
Analyzed by: AZ
Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
@14, FDB-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
1,1-Dichloroethane	(75343)	5.	ND	
1,2-Dichloroethane	(107062)	5.	ND	
1,1-Dichloroethene	(75354)	5.	ND	
cis-1,2-Dichloroethene	(156592)	5.	ND	
trans-1,2-Dichloroethene	(156605)	5.	ND	
1,2-Dichloropropane	(78875)	5.	ND	
cis-1,3-Dichloropropene	(100610105)	5.	ND	
trans-1,3-Dichloropropene	(10061026)	5.	ND	
Ethylbenzene	(100414)	5.	ND	
2-Hexanone	(591786)	30.	ND	
Methyl Isobutyl Ketone (MIBK)	(108101)	30.	ND	
Methylene Chloride	(75092)	30.	ND	
Styrene	(100425)	5.	ND	
1,1,2,2-Tetrachloroethane	(79345)	20.	ND	
Tetrachloroethene	(127184)	5.	ND	
Toluene	(108883)	5.	ND	
1,1,1-Trichloroethane	(71556)	5.	ND	
1,1,2-Trichloroethane	(79005)	5.	ND	
Trichloroethene	(79016)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-6
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
@14, FDB-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
Trichlorofluoromethane	(75694)	5.	ND	
Trichlorotrifluoroethane	(76131)	5.	ND	
Vinyl Acetate	(108054)	30.	ND	
Vinyl Chloride	(75014)	5.	ND	
Xylenes (total)	(1330207)	5.	ND	
D4-DCA (% Surrogate recovery #1)			96.	
D8-TOL (% Surrogate Recovery #2)			95.	
BFB (% Surrogate Recovery #3)			86.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
 FIN1/100415A
 MC/mcc/ahz/rgs
 FIN1/1004

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
 Marissa Coronel
 Laboratory Director



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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-6
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
@14, FDB-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS				1
Acenaphthylene	(208968)	0.5	ND	
Acenaphthene	(83329)	0.5	ND	
Anthracene	(120127)	0.5	ND	
Benzydine	(92875)	5.	ND	
Benzo(a)anthracene	(56553)	0.5	ND	
Benzo(b)fluoranthene	(205992)	0.5	ND	
Benzo(k)fluoranthene	(207089)	0.5	ND	
Benzo(a)pyrene	(50328)	0.5	ND	
Benzo(ghi)perylene	(191242)	0.5	ND	
Bis(2-chloroethoxy)methane	(111911)	0.5	ND	
Bis(2-chloroethyl)ether	(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether	(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate	(117817)	1.	ND	
4-Bromophenylphenylether	(101553)	0.5	ND	
Butylbenzylphthalate	(85687)	0.5	ND	
2-Chloronaphthalene	(91587)	0.5	ND	
4-Chlorophenylphenylether	(7005723)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) Sample Preparation on 10/11/93 by AC

10/13/93
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 MC/mcc/dez
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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-6
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
@14, FDB-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Chrysene	(218019)	0.5	ND	
Dibenzo(a,h)anthracene	(53703)	0.5	ND	
Di-n-butylphthalate	(84742)	0.5	ND	
1,2-Dichlorobenzene	(95501)	0.5	ND	
1,3-Dichlorobenzene	(541731)	0.5	ND	
1,4-Dichlorobenzene	(106467)	0.5	ND	
3,3-Dichlorobenzidine	(91941)	5.	ND	
Diethylphthalate	(84662)	0.5	ND	
Dimethylphthalate	(131113)	0.5	ND	
2,4-Dinitrotoluene	(121142)	0.5	ND	
2,6-Dinitrotoluene	(606202)	0.5	ND	
Di-n-octylphthalate	(117840)	0.5	ND	
Fluoranthene	(206440)	0.5	ND	
Fluorene	(86737)	0.5	ND	
Hexachlorobenzene	(118741)	0.5	ND	
Hexachlorobutadiene	(87683)	0.5	ND	
Hexachlorocyclopentadiene	(77474)	0.5	ND	
Hexachloroethane	(67721)	0.5	ND	
Indeno(1,2,3-cd)pyrene	(193395)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
MSD2/2E67B
MC/mcc/dez
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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-6
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
@14, FDB-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Isophorone	(78591)	0.5	ND	
Methylnaphthalenes	(91576)	0.5	ND	
Naphthalene	(91203)	0.5	ND	
Nitrobenzene	(98953)	0.5	ND	
N-Nitrosodimethylamine	(62759)	0.5	ND	
N-Nitrosodiphenylamine	(86306)	0.5	ND	
N-Nitrosodi-n-propylamine	(621647)	0.5	ND	
Phenanthrene	(85018)	0.5	ND	
Pyrene	(129000)	0.5	ND	
Trichlorobenzene	(108703)	0.5	ND	
4-Chloro-3-methylphenol	(59507)	2.	ND	
2-Chlorophenol	(95578)	2.	ND	
Cresols (total)		2.	ND	
2,4-Dichlorophenol	(120832)	2.	ND	
2,4-Dimethylphenol	(105679)	2.	ND	
2,4-Dinitrophenol	(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	2.	ND	
2-Nitrophenol	(88755)	2.	ND	
4-Nitrophenol	(100027)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-6
 Project : 9337-7532 Encinal Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
@14, FDB-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Pentachlorophenol	(87865)	2.	ND	
Phenol	(108952)	2.	ND	
2,4,6-Trichlorophenol	(88062)	2.	ND	
Aldrin	(309002)	0.5	ND	
alpha BHC	(319846)	0.5	ND	
beta BHC	(319857)	0.5	ND	
delta-BHC	(319868)	0.5	ND	
gamma BHC (Lindane)	(58899)	0.5	ND	
p,p'-DDD	(72548)	0.5	ND	
p,p'-DDE	(72559)	0.5	ND	
p,p'-DDT	(50293)	0.5	ND	
Dieldrin	(60571)	0.5	ND	
Endosulfan I	(959988)	0.5	ND	
Endosulfan II	(33213659)	0.5	ND	
Endosulfan sulfate	(1031078)	0.5	ND	
Endrin	(72208)	0.5	ND	
Endrin aldehyde	(7421934)	0.5	ND	
Heptachlor	(76448)	1.	ND	
Heptachlor epoxide	(1024573)	1.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E67B
 MC/mcc/dez
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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivias Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-6
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
@14, FDB-2 @ 10'	Soil	A.Klein & J.Schaaf	09/28/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Methoxychlor	(72435)	1.	ND	
AROCLOR 1016	(12674112)	10.	ND	
AROCLOR 1221	(11104282)	10.	ND	
AROCLOR 1232	(11141165)	10.	ND	
AROCLOR 1242	(53469219)	10.	ND	
AROCLOR 1248	(12672296)	10.	ND	
AROCLOR 1254	(11097691)	10.	ND	
AROCLOR 1260	(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)			32.	
2-Fluorophenol (Surrogate % Recovery)			25.	
2,4,6-Tribromophenol (Surrogate % Recovery)			36.	
Nitrobenzene-d5 (Surrogate % Recovery)			24.	
2-Fluorobiphenyl (Surrogate % Recovery)			29.	
4-Terphenyl-d14 (Surrogate % Recovery)			33.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
MSD2/2E67B
MC/mcc/dez
BNA-101193

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Marissa Coronel
Laboratory Director

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1912-2
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/06/93
 Analyzed by: AZ
 Method : E624/8240

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
FDB-2	Groundwater	Alan Klein	09/30/93	10/01/93	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
VOLATILE ORGANIC COMPOUNDS					1
Acetone	(67641)	20.	21.		
Benzene	(71432)	1.	ND		
Bromodichloromethane	(75274)	1.	ND		
Bromoform	(75252)	1.	ND		
Bromomethane	(74839)	1.	ND		
2-Butanone (MEK)	(78933)	10.	ND		
Carbon Disulfide	(75150)	2.	3.		
Carbon Tetrachloride	(56235)	1.	ND		
Chlorobenzene	(108907)	1.	ND		
Chloroethane	(75003)	1.	ND		
2-Chloroethyl Vinyl Ether	(110758)	5.	ND		
Chloroform	(67663)	1.	ND		
Chloromethane	(74873)	1.	ND		
Dibromochloromethane	(124481)	1.	ND		
1,2-Dichlorobenzene	(95501)	1.	ND		
1,3-Dichlorobenzene	(541731)	1.	ND		
1,4-Dichlorobenzene	(106467)	1.	ND		
1,1-Dichloroethane	(75343)	1.	ND		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) EXTRACTED by EPA 5030 (purge-and-trap)

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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1912-2
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/06/93
Analyzed by: AZ
Method : E624/8240

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
FDB-2	Groundwater	Alan Klein	09/30/93	10/01/93	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
1,2-Dichloroethane	(107062)	1.	ND		
1,1-Dichloroethene	(75354)	1.	ND		
cis-1,2-Dichloroethene	(156592)	1.	ND		
trans-1,2-Dichloroethene	(156605)	1.	ND		
1,2-Dichloropropane	(78875)	1.	ND		
cis-1,3-Dichloropropene	(100610105)	1.	ND		
trans-1,3-Dichloropropene	(10061026)	1.	ND		
Ethylbenzene	(100414)	1.	ND		
2-Hexanone	(591786)	5.	ND		
Methyl Isobutyl Ketone (MIBK)	(108101)	5.	ND		
Methylene Chloride	(75092)	5.	ND		
Styrene	(100425)	1.	ND		
1,1,2,2-Tetrachloroethane	(79345)	2.	ND		
Tetrachloroethene	(127184)	1.	ND		
Toluene	(108883)	1.	ND		
1,1,1-Trichloroethane	(71556)	1.	ND		
1,1,2-Trichloroethane	(79005)	1.	ND		
Trichloroethene	(79016)	1.	ND		
Trichlorofluoromethane	(75694)	1.	ND		
Trichlorotrifluoroethane	(76131)	5.	ND		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
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FIN1/1006

NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1912-2
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/06/93
 Analyzed by: AZ
 Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
FDB-2	Groundwater	Alan Klein	09/30/93	10/01/93	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Vinyl Acetate	(108054)	5.	ND		
Vinyl Chloride	(75014)	1.	ND		
Xylenes (total)	(1330207)	1.	ND		
D4-DCA (% Surrogate recovery #1)			103.		
D8-TOL (% Surrogate Recovery #2)			100.		
BFB (% Surrogate Recovery #3)			94.		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
 FIN1/100611A
 MC/mcc/ahz
 FIN1/1006

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
 Marissa Coronel
 Laboratory Director



Air, Water & Hazardous Waste Sampling, Analysis & Consultation
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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivias Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-7
Project : 9337-7532 Encinal
Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED				
#17, FDC-1 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Total	0.5	ND	mg/Kg	EPA 7041	10/10/93	KP	1
Arsenic, Total	0.5	1.7	mg/Kg	EPA 7060	10/10/93	KP	1
Barium, Total	5.	20.	mg/Kg	EPA 6010	10/11/93	KP	1
Beryllium, Total	0.5	ND	mg/Kg	EPA 6010	10/11/93	KP	1
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	10/11/93	KP	1
Chromium, Total	0.5	55.	mg/Kg	EPA 6010	10/11/93	KP	1
Cobalt, Total	1.	5.	mg/Kg	EPA 6010	10/11/93	KP	1
Copper, Total	0.5	22.	mg/Kg	EPA 6010	10/11/93	KP	1
Lead, Total	1.	14.	mg/Kg	EPA 7420	10/11/93	LW	1
Mercury, Total	0.004	0.050	mg/Kg	EPA 7471	10/06/93	DO	
Molybdenum, Total	3.	ND	mg/Kg	EPA 6010	10/11/93	KP	1
Nickel, Total	1.	36.	mg/Kg	EPA 6010	10/11/93	KP	1
Selenium, Total	0.5	ND	mg/Kg	EPA 7740	10/10/93	KP	1
Silver, Total	0.2	0.9	mg/Kg	EPA 7760	10/10/93	NT	1
Thallium, Total	5.	6.	mg/Kg	EPA 7840	10/11/93	LW	1
Vanadium, Total	2.	34.	mg/Kg	EPA 6010	10/11/93	KP	1
Zinc, Total	1.	46.	mg/Kg	EPA 6010	10/11/93	KP	1
Chromium, Hexavalent	55.	ND	mg/Kg	Calc	10/11/93	KP	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/05/93 by NT using EPA 3050

10/13/93

NG/nfg
5093100501

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone

Nick Gaone
Inorganics Manager

NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-7
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#17, FDC-1 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
VOLATILE ORGANIC COMPOUNDS				1
Acetone	(67641)	100.	190.	
Benzene	(71432)	5.	ND	
Bromodichloromethane	(75274)	5.	ND	
Bromoform	(75252)	5.	ND	
Bromomethane	(74839)	5.	ND	
2-Butanone (MEK)	(78933)	50.	ND	
Carbon Disulfide	(75150)	10.	10.	
Carbon Tetrachloride	(56235)	5.	ND	
Chlorobenzene	(108907)	5.	ND	
Chloroethane	(75003)	5.	ND	
2-Chloroethyl Vinyl Ether	(110758)	50.	ND	
Chloroform	(67663)	10.	ND	
Chloromethane	(74873)	5.	ND	
Dibromochloromethane	(124481)	5.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) EXTRACTED by EPA 5030 (purge-and-trap)

10/08/93
 FIN1/100416A
 MC/mcc/ahz/rgs
 FIN1/1004

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-7
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/04/93
Analyzed by: AZ
Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#17, FDC-1 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
1,1-Dichloroethane	(75343)	5.	ND	
1,2-Dichloroethane	(107062)	5.	ND	
1,1-Dichloroethene	(75354)	5.	ND	
cis-1,2-Dichloroethene	(156592)	5.	ND	
trans-1,2-Dichloroethene	(156605)	5.	ND	
1,2-Dichloropropane	(78875)	5.	ND	
cis-1,3-Dichloropropene	(100610105)	5.	ND	
trans-1,3-Dichloropropene	(10061026)	5.	ND	
Ethylbenzene	(100414)	5.	ND	
2-Hexanone	(591786)	30.	ND	
Methyl Isobutyl Ketone (MIBK)	(108101)	30.	ND	
Methylene Chloride	(75092)	30.	ND	
Styrene	(100425)	5.	ND	
1,1,2,2-Tetrachloroethane	(79345)	20.	ND	
Tetrachloroethene	(127184)	5.	ND	
Toluene	(108883)	5.	ND	
1,1,1-Trichloroethane	(71556)	5.	ND	
1,1,2-Trichloroethane	(79005)	5.	ND	
Trichloroethene	(79016)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
FIN1/100416A
MC/mcc/ahz/rgs
FIN1/1004

NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-7
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#17, FDC-1 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
Trichlorofluoromethane	(75694)	5.	ND	
Trichlorotrifluoroethane	(76131)	5.	ND	
Vinyl Acetate	(108054)	30.	ND	
Vinyl Chloride	(75014)	5.	ND	
Xylenes (total)	(1330207)	5.	ND	
D4-DCA (% Surrogate recovery #1)			93.	
D8-TOL (% Surrogate Recovery #2)			97.	
BFB (% Surrogate Recovery #3)			90.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
 FIN1/100416A
 MC/mcc/ahz/rgs
 FIN1/1004

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
 Marissa Coronel
 Laboratory Director



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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-7
 Project : 9337-7532 Encinal Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
#17, FDC-1 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93	
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS					1
Acenaphthylene		(208968)	0.5	ND	
Acenaphthene		(83329)	0.5	ND	
Anthracene		(120127)	0.5	ND	
Benzidine		(92875)	5.	ND	
Benzo(a)anthracene		(56553)	0.5	ND	
Benzo(b)fluoranthene		(205992)	0.5	ND	
Benzo(k)fluoranthene		(207089)	0.5	ND	
Benzo(a)pyrene		(50328)	0.5	ND	
Benzo(ghi)perylene		(191242)	0.5	ND	
Bis(2-chloroethoxy)methane		(111911)	0.5	ND	
Bis(2-chloroethyl)ether		(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether		(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate		(117817)	1.	ND	
4-Bromophenylphenylether		(101553)	0.5	ND	
Butylbenzylphthalate		(85687)	0.5	ND	
2-Chloronaphthalene		(91587)	0.5	ND	
4-Chlorophenylphenylether		(7005723)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/11/93 by AC

10/13/93
 MSD2/2E64B
 MC/mcc/dez
 BNA-101193



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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-7
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#17, FDC-1 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Chrysene	(218019)	0.5	ND	
Dibenzo(a,h)anthracene	(53703)	0.5	ND	
Di-n-butylphthalate	(84742)	0.5	ND	
1,2-Dichlorobenzene	(95501)	0.5	ND	
1,3-Dichlorobenzene	(541731)	0.5	ND	
1,4-Dichlorobenzene	(106467)	0.5	ND	
3,3-Dichlorobenzidine	(91941)	5.	ND	
Diethylphthalate	(84662)	0.5	ND	
Dimethylphthalate	(131113)	0.5	ND	
2,4-Dinitrotoluene	(121142)	0.5	ND	
2,6-Dinitrotoluene	(606202)	0.5	ND	
Di-n-octylphthalate	(117840)	0.5	ND	
Fluoranthene	(206440)	0.5	ND	
Fluorene	(86737)	0.5	ND	
Hexachlorobenzene	(118741)	0.5	ND	
Hexachlorobutadiene	(87683)	0.5	ND	
Hexachlorocyclopentadiene	(77474)	0.5	ND	
Hexachloroethane	(67721)	0.5	ND	
Indeno(1,2,3-cd)pyrene	(193395)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
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 MC/mcc/dez
 BNA-101193



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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-7
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#17, FDC-1 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Isophorone	(78591)	0.5	ND	
Methylnaphthalenes	(91576)	0.5	ND	
Naphthalene	(91203)	0.5	ND	
Nitrobenzene	(98953)	0.5	ND	
N-Nitrosodimethylamine	(62759)	0.5	ND	
N-Nitrosodiphenylamine	(86306)	0.5	ND	
N-Nitrosodi-n-propylamine	(621647)	0.5	ND	
Phenanthrene	(85018)	0.5	ND	
Pyrene	(129000)	0.5	ND	
Trichlorobenzene	(108703)	0.5	ND	
4-Chloro-3-methylphenol	(59507)	2.	ND	
2-Chlorophenol	(95578)	2.	ND	
Cresols (total)		2.	ND	
2,4-Dichlorophenol	(120832)	2.	ND	
2,4-Dimethylphenol	(105679)	2.	ND	
2,4-Dinitrophenol	(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	2.	ND	
2-Nitrophenol	(88755)	2.	ND	
4-Nitrophenol	(100027)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
MSD2/2E64B
MC/mcc/dez
BNA-101193



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 Anaheim, CA • Tempe, AZ • Valparaiso, IN • Westbrook, ME • Indianapolis, IN

NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-7
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#17, FDC-1 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Pentachlorophenol	(87865)	2.	ND	
Phenol	(108952)	2.	ND	
2,4,6-Trichlorophenol	(88062)	2.	ND	
Aldrin	(309002)	0.5	ND	
alpha BHC	(319846)	0.5	ND	
beta BHC	(319857)	0.5	ND	
delta-BHC	(319868)	0.5	ND	
gamma BHC (Lindane)	(58899)	0.5	ND	
p,p'-DDD	(72548)	0.5	ND	
p,p'-DDE	(72559)	0.5	ND	
p,p'-DDT	(50293)	0.5	ND	
Dieldrin	(60571)	0.5	ND	
Endosulfan I	(959988)	0.5	ND	
Endosulfan II	(33213659)	0.5	ND	
Endosulfan sulfate	(1031078)	0.5	ND	
Endrin	(72208)	0.5	ND	
Endrin aldehyde	(7421934)	0.5	ND	
Heptachlor	(76448)	1.	ND	
Heptachlor epoxide	(1024573)	1.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E64B
 MC/mcc/dez
 BNA-101193



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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivias Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-7
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#17, FDC-1 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Methoxychlor	(72435)	1.	ND	
AROCLOR 1016	(12674112)	10.	ND	
AROCLOR 1221	(11104282)	10.	ND	
AROCLOR 1232	(11141165)	10.	ND	
AROCLOR 1242	(53469219)	10.	ND	
AROCLOR 1248	(12672296)	10.	ND	
AROCLOR 1254	(11097691)	10.	ND	
AROCLOR 1260	(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)			55.	
2-Fluorophenol (Surrogate % Recovery)			45.	
2,4,6-Tribromophenol (Surrogate % Recovery)			45.	
Nitrobenzene-d5 (Surrogate % Recovery)			57.	
2-Fluorobiphenyl (Surrogate % Recovery)			54.	
4-Terphenyl-d14 (Surrogate % Recovery)			78.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
MSD2/2E64B
MC/mcc/dez
ENA-101193

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Laboratory Director

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-8
Project : 9337-7532 Encinal
Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
#21, FDC-2 @ 5'	Soil	A.Klein & J.Schaaf		09/29/93	09/29/93

CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Total	0.5	ND	mg/Kg	EPA 7041	10/10/93	KP	1
Arsenic, Total	0.5	1.4	mg/Kg	EPA 7060	10/10/93	KP	1
Barium, Total	5.	17.	mg/Kg	EPA 6010	10/11/93	KP	1
Beryllium, Total	0.5	ND	mg/Kg	EPA 6010	10/11/93	KP	1
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	10/11/93	KP	1
Chromium, Total	0.5	42.	mg/Kg	EPA 6010	10/11/93	KP	1
Cobalt, Total	1.	3.	mg/Kg	EPA 6010	10/11/93	KP	1
Copper, Total	0.5	11.	mg/Kg	EPA 6010	10/11/93	KP	1
Lead, Total	1.	10.	mg/Kg	EPA 7420	10/11/93	LW	1
Mercury, Total	0.004	0.039	mg/Kg	EPA 7471	10/06/93	DO	
Molybdenum, Total	3.	ND	mg/Kg	EPA 6010	10/11/93	KP	1
Nickel, Total	1.	28.	mg/Kg	EPA 6010	10/11/93	KP	1
Selenium, Total	0.5	ND	mg/Kg	EPA 7740	10/10/93	KP	1
Silver, Total	0.2	0.7	mg/Kg	EPA 7760	10/10/93	NT	1
Thallium, Total	5.	5.	mg/Kg	EPA 7840	10/11/93	LW	1
Vanadium, Total	2.	26.	mg/Kg	EPA 6010	10/11/93	KP	1
Zinc, Total	1.	32.	mg/Kg	EPA 6010	10/11/93	KP	1
Chromium, Hexavalent	42.	ND	mg/Kg	Calc	10/11/93	KP	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Sample Preparation on 10/05/93 by NT using EPA 3050

10/13/93

NG/nfg
5093100501

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick F. Gaone
Nick Gaone
Inorganics Manager



Air, Water & Hazardous Waste Sampling, Analysis & Consultation
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 Anaheim, CA • Tempe, AZ • Valparaiso, IN • Westbrook, ME • Indianapolis, IN

NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-8
 Project : 9337-7532 Encinal Terminal
 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#21, FDC-2 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
VOLATILE ORGANIC COMPOUNDS				1
Acetone	(67641)	100.	240.	
Benzene	(71432)	5.	ND	
Bromodichloromethane	(75274)	5.	ND	
Bromoform	(75252)	5.	ND	
Bromomethane	(74839)	5.	ND	
2-Butanone (MEK)	(78933)	50.	ND	
Carbon Disulfide	(75150)	10.	ND	
Carbon Tetrachloride	(56235)	5.	ND	
Chlorobenzene	(108907)	5.	ND	
Chloroethane	(75003)	5.	ND	
2-Chloroethyl Vinyl Ether	(110758)	50.	ND	
Chloroform	(67663)	10.	ND	
Chloromethane	(74873)	5.	ND	
Dibromochloromethane	(124481)	5.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	

San Jose Lab Certifications: CAELAP #1204
 *RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) EXTRACTED by EPA 5030 (purge-and-trap)

10/08/93
 FIN1/100417A
 MC/mcc/ahz/rgs
 FIN1/1004



NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

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REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#21, FDC-2 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
1,1-Dichloroethane	(75343)	5.	ND	
1,2-Dichloroethane	(107062)	5.	ND	
1,1-Dichloroethene	(75354)	5.	ND	
cis-1,2-Dichloroethene	(156592)	5.	ND	
trans-1,2-Dichloroethene	(156605)	5.	ND	
1,2-Dichloropropane	(78875)	5.	ND	
cis-1,3-Dichloropropene	(100610105)	5.	ND	
trans-1,3-Dichloropropene	(10061026)	5.	ND	
Ethylbenzene	(100414)	5.	ND	
2-Hexanone	(591786)	30.	ND	
Methyl Isobutyl Ketone (MIBK)	(108101)	30.	ND	
Methylene Chloride	(75092)	30.	ND	
Styrene	(100425)	5.	ND	
1,1,2,2-Tetrachloroethane	(79345)	20.	ND	
Tetrachloroethene	(127184)	5.	ND	
Toluene	(108883)	5.	ND	
1,1,1-Trichloroethane	(71556)	5.	ND	
1,1,2-Trichloroethane	(79005)	5.	ND	
Trichloroethene	(79016)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
 FIN1/100417A
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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

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Project : 9337-7532 Encinal
Terminal
Analyzed : 10/04/93
Analyzed by: AZ
Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3


SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#21, FDC-2 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
Trichlorofluoromethane	(75694)	5.	ND	
Trichlorotrifluoroethane	(76131)	5.	ND	
Vinyl Acetate	(108054)	30.	ND	
Vinyl Chloride	(75014)	5.	ND	
Xylenes (total)	(1330207)	5.	ND	
D4-DCA (% Surrogate recovery #1)			92.	
D8-TOL (% Surrogate Recovery #2)			96.	
BFB (% Surrogate Recovery #3)			89.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
FIN1/100417A
MC/mcc/ahz/rgs
FIN1/1004

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.


Marissa Coronel
Laboratory Director

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

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Fugro-McClelland
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Lab Number : JJ-1868-8
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#21, FDC-2 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS				1
Acenaphthylene	(208968)	0.5	ND	
Acenaphthene	(83329)	0.5	ND	
Anthracene	(120127)	0.5	ND	
Benzidine	(92875)	5.	ND	
Benzo(a)anthracene	(56553)	0.5	ND	
Benzo(b)fluoranthene	(205992)	0.5	ND	
Benzo(k)fluoranthene	(207089)	0.5	ND	
Benzo(a)pyrene	(50328)	0.5	ND	
Benzo(ghi)perylene	(191242)	0.5	ND	
Bis(2-chloroethoxy)methane	(111911)	0.5	ND	
Bis(2-chloroethyl)ether	(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether	(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate	(117817)	1.	ND	
4-Bromophenylphenylether	(101553)	0.5	ND	
Butylbenzylphthalate	(85687)	0.5	ND	
2-Chloronaphthalene	(91587)	0.5	ND	
4-Chlorophenylphenylether	(7005723)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/11/93 by AC

10/13/93
MSD2/2E66B
MC/mcc/dez
ENA-101193



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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-8
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#21, FDC-2 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Chrysene	(218019)	0.5	ND	
Dibenzo(a,h)anthracene	(53703)	0.5	ND	
Di-n-butylphthalate	(84742)	0.5	ND	
1,2-Dichlorobenzene	(95501)	0.5	ND	
1,3-Dichlorobenzene	(541731)	0.5	ND	
1,4-Dichlorobenzene	(106467)	0.5	ND	
3,3-Dichlorobenzidine	(91941)	5.	ND	
Diethylphthalate	(84662)	0.5	ND	
Dimethylphthalate	(131113)	0.5	ND	
2,4-Dinitrotoluene	(121142)	0.5	ND	
2,6-Dinitrotoluene	(606202)	0.5	ND	
Di-n-octylphthalate	(117840)	0.5	ND	
Fluoranthene	(206440)	0.5	ND	
Fluorene	(86737)	0.5	ND	
Hexachlorobenzene	(118741)	0.5	ND	
Hexachlorobutadiene	(87683)	0.5	ND	
Hexachlorocyclopentadiene	(77474)	0.5	ND	
Hexachloroethane	(67721)	0.5	ND	
Indeno(1,2,3-cd)pyrene	(193395)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
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 2059 Junction Ave.

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 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#21, FDC-2 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Isophorone	(78591)	0.5	ND	
Methylnaphthalenes	(91576)	0.5	ND	
Naphthalene	(91203)	0.5	ND	
Nitrobenzene	(98953)	0.5	ND	
N-Nitrosodimethylamine	(62759)	0.5	ND	
N-Nitrosodiphenylamine	(86306)	0.5	ND	
N-Nitrosodi-n-propylamine	(621647)	0.5	ND	
Phenanthrene	(85018)	0.5	ND	
Pyrene	(129000)	0.5	ND	
Trichlorobenzene	(108703)	0.5	ND	
4-Chloro-3-methylphenol	(59507)	2.	ND	
2-Chlorophenol	(95578)	2.	ND	
Cresols (total)		2.	ND	
2,4-Dichlorophenol	(120832)	2.	ND	
2,4-Dimethylphenol	(105679)	2.	ND	
2,4-Dinitrophenol	(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	2.	ND	
2-Nitrophenol	(88755)	2.	ND	
4-Nitrophenol	(100027)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

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10/13/93
 MSD2/2E66B
 MC/mcc/dez
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NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivias Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-8
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#21, FDC-2 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Pentachlorophenol	(87865)	2.	ND	
Phenol	(108952)	2.	ND	
2,4,6-Trichlorophenol	(88062)	2.	ND	
Aldrin	(309002)	0.5	ND	
alpha BHC	(319846)	0.5	ND	
beta BHC	(319857)	0.5	ND	
delta-BHC	(319868)	0.5	ND	
gamma BHC (Lindane)	(58899)	0.5	ND	
p,p'-DDD	(72548)	0.5	ND	
p,p'-DDE	(72559)	0.5	ND	
p,p'-DDT	(50293)	0.5	ND	
Dieldrin	(60571)	0.5	ND	
Endosulfan I	(959988)	0.5	ND	
Endosulfan II	(33213659)	0.5	ND	
Endosulfan sulfate	(1031078)	0.5	ND	
Endrin	(72208)	0.5	ND	
Endrin aldehyde	(7421934)	0.5	ND	
Heptachlor	(76448)	1.	ND	
Heptachlor epoxide	(1024573)	1.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E66B
 MC/mcc/dez
 ENA-101193

NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-8
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/12/93
 Analyzed by: DZ
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#21, FDC-2 @ 5'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Methoxychlor	(72435)	1.	ND	
AROCLOR 1016	(12674112)	10.	ND	
AROCLOR 1221	(11104282)	10.	ND	
AROCLOR 1232	(11141165)	10.	ND	
AROCLOR 1242	(53469219)	10.	ND	
AROCLOR 1248	(12672296)	10.	ND	
AROCLOR 1254	(11097691)	10.	ND	
AROCLOR 1260	(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)			65.	
2-Fluorophenol (Surrogate % Recovery)			56.	
2,4,6-Tribromophenol (Surrogate % Recovery)			60.	
Nitrobenzene-d5 (Surrogate % Recovery)			88.	
2-Fluorobiphenyl (Surrogate % Recovery)			70.	
4-Terphenyl-d14 (Surrogate % Recovery)			90.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
 MSD2/2E66B
 MC/mcc/dez
 EVA-101193

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
 Laboratory Director



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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-9
Project : 9337-7532 Encinal
Terminal

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
#22, FDC-2 @ 10'	Soil	A.Klein & J.Schaaf		09/29/93	09/29/93

CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Total	0.5	ND	mg/Kg	EPA 7041	10/11/93	KP	1
Arsenic, Total	0.5	1.2	mg/Kg	EPA 7060	10/10/93	KP	1
Barium, Total	5.	59.	mg/Kg	EPA 6010	10/11/93	KP	1
Beryllium, Total	0.5	ND	mg/Kg	EPA 6010	10/11/93	KP	1
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	10/11/93	KP	1
Chromium, Total	0.5	29.	mg/Kg	EPA 6010	10/11/93	KP	1
Cobalt, Total	1.	3.	mg/Kg	EPA 6010	10/11/93	KP	1
Copper, Total	0.5	5.2	mg/Kg	EPA 6010	10/11/93	KP	1
Lead, Total	1.	5.	mg/Kg	EPA 7420	10/11/93	LW	1
Mercury, Total	0.004	0.016	mg/Kg	EPA 7471	10/06/93	DO	
Molybdenum, Total	3.	ND	mg/Kg	EPA 6010	10/11/93	KP	1
Nickel, Total	1.	18.	mg/Kg	EPA 6010	10/11/93	KP	1
Selenium, Total	0.5	ND	mg/Kg	EPA 7740	10/10/93	KP	1
Silver, Total	0.2	0.4	mg/Kg	EPA 7760	10/10/93	NT	1
Thallium, Total	5.	ND	mg/Kg	EPA 7840	10/11/93	LW	1
Vanadium, Total	2.	19.	mg/Kg	EPA 6010	10/11/93	KP	1
Zinc, Total	1.	12.	mg/Kg	EPA 6010	10/11/93	KP	1
Chromium, Hexavalent	29.	ND	mg/Kg	Calc	10/11/93	KP	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Sample Preparation on 10/05/93 by NT using EPA 3050

10/13/93

NG/nfg
5093100501

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone
Nick Gaone
Inorganics Manager



NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1868-9
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/04/93
 Analyzed by: AZ
 Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#22, FDC-2 @ 10'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
VOLATILE ORGANIC COMPOUNDS				1
Acetone	(67641)	100.	ND	
Benzene	(71432)	5.	ND	
Bromodichloromethane	(75274)	5.	ND	
Bromoform	(75252)	5.	ND	
Bromomethane	(74839)	5.	ND	
2-Butanone (MEK)	(78933)	50.	ND	
Carbon Disulfide	(75150)	10.	ND	
Carbon Tetrachloride	(56235)	5.	ND	
Chlorobenzene	(108907)	5.	ND	
Chloroethane	(75003)	5.	ND	
2-Chloroethyl Vinyl Ether	(110758)	50.	ND	
Chloroform	(67663)	10.	ND	
Chloromethane	(74873)	5.	ND	
Dibromochloromethane	(124481)	5.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	

San Jose Lab Certifications: CAELAP #1204
 *RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) EXTRACTED by EPA 5030 (purge-and-trap)

10/08/93
 FIN1/100418A
 MC/mcc/ahz/rgs
 FIN1/1004

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REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
#22, FDC-2 @ 10'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93	
CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE	
1,1-Dichloroethane	(75343)	5.	ND		
1,2-Dichloroethane	(107062)	5.	ND		
1,1-Dichloroethene	(75354)	5.	ND		
cis-1,2-Dichloroethene	(156592)	5.	ND		
trans-1,2-Dichloroethene	(156605)	5.	ND		
1,2-Dichloropropane	(78875)	5.	ND		
cis-1,3-Dichloropropene	(100610105)	5.	ND		
trans-1,3-Dichloropropene	(10061026)	5.	ND		
Ethylbenzene	(100414)	5.	ND		
2-Hexanone	(591786)	30.	ND		
Methyl Isobutyl Ketone (MIBK)	(108101)	30.	ND		
Methylene Chloride	(75092)	30.	ND		
Styrene	(100425)	5.	ND		
1,1,2,2-Tetrachloroethane	(79345)	20.	ND		
Tetrachloroethene	(127184)	5.	ND		
Toluene	(108883)	5.	ND		
1,1,1-Trichloroethane	(71556)	5.	ND		
1,1,2-Trichloroethane	(79005)	5.	ND		
Trichloroethene	(79016)	5.	ND		

San Jose Lab Certifications: CAELAP #1204

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10/08/93
FIN1/100418A
MC/mcc/ahz/rgs
FIN1/1004



NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-9
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/04/93
Analyzed by: AZ
Method : EPA 8240

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#22, FDC-2 @ 10'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL µg/Kg	RESULT µg/Kg	NOTE
Trichlorofluoromethane	(75694)	5.	ND	
Trichlorotrifluoroethane	(76131)	5.	ND	
Vinyl Acetate	(108054)	30.	ND	
Vinyl Chloride	(75014)	5.	ND	
Xylenes (total)	(1330207)	5.	ND	
D4-DCA (% Surrogate recovery #1)			86.	
D8-TOL (% Surrogate Recovery #2)			93.	
BFB (% Surrogate Recovery #3)			94.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
FIN1/100418A
MC/mcc/ahz/rgs
FIN1/1004

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Marissa Coronel
Laboratory Director



Air, Water & Hazardous Waste Sampling, Analysis & Consultation
Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-9
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#22, FDC-2 @ 10'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS				1
Acenaphthylene	(208968)	0.5	ND	
Acenaphthene	(83329)	0.5	ND	
Anthracene	(120127)	0.5	ND	
Benzidine	(92875)	5.	ND	
Benzo(a)anthracene	(56553)	0.5	ND	
Benzo(b)fluoranthene	(205992)	0.5	ND	
Benzo(k)fluoranthene	(207089)	0.5	ND	
Benzo(a)pyrene	(50328)	0.5	ND	
Benzo(ghi)perylene	(191242)	0.5	ND	
Bis(2-chloroethoxy)methane	(111911)	0.5	ND	
Bis(2-chloroethyl)ether	(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether	(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate	(117817)	1.	ND	
4-Bromophenylphenylether	(101553)	0.5	ND	
Butylbenzylphthalate	(85687)	0.5	ND	
2-Chloronaphthalene	(91587)	0.5	ND	
4-Chlorophenylphenylether	(7005723)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 10/11/93 by AC

10/13/93
MSD2/2E68B
MC/mcc/dez
EVA-101193



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2059 Junction Ave.

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Ventura, CA 93003

Lab Number : JJ-1868-9
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#22, FDC-2 @ 10'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Chrysene	(218019)	0.5	ND	
Dibenzo(a,h)anthracene	(53703)	0.5	ND	
Di-n-butylphthalate	(84742)	0.5	ND	
1,2-Dichlorobenzene	(95501)	0.5	ND	
1,3-Dichlorobenzene	(541731)	0.5	ND	
1,4-Dichlorobenzene	(106467)	0.5	ND	
3,3-Dichlorobenzidine	(91941)	5.	ND	
Diethylphthalate	(84662)	0.5	ND	
Dimethylphthalate	(131113)	0.5	ND	
2,4-Dinitrotoluene	(121142)	0.5	ND	
2,6-Dinitrotoluene	(606202)	0.5	ND	
Di-n-octylphthalate	(117840)	0.5	ND	
Fluoranthene	(206440)	0.5	ND	
Fluorene	(86737)	0.5	ND	
Hexachlorobenzene	(118741)	0.5	ND	
Hexachlorobutadiene	(87683)	0.5	ND	
Hexachlorocyclopentadiene	(77474)	0.5	ND	
Hexachloroethane	(67721)	0.5	ND	
Indeno(1,2,3-cd)pyrene	(193395)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
MSD2/2E68B
MC/mcc/dez
BVA-101193



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Lab Number : JJ-1868-9
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REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#22, FDC-2 @ 10'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Isophorone	(78591)	0.5	ND	
Methylnaphthalenes	(91576)	0.5	ND	
Naphthalene	(91203)	0.5	ND	
Nitrobenzene	(98953)	0.5	ND	
N-Nitrosodimethylamine	(62759)	0.5	ND	
N-Nitrosodiphenylamine	(86306)	0.5	ND	
N-Nitrosodi-n-propylamine	(621647)	0.5	ND	
Phenanthrene	(85018)	0.5	ND	
Pyrene	(129000)	0.5	ND	
Trichlorobenzene	(108703)	0.5	ND	
4-Chloro-3-methylphenol	(59507)	2.	ND	
2-Chlorophenol	(95578)	2.	ND	
Cresols (total)		2.	ND	
2,4-Dichlorophenol	(120832)	2.	ND	
2,4-Dimethylphenol	(105679)	2.	ND	
2,4-Dinitrophenol	(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	2.	ND	
2-Nitrophenol	(88755)	2.	ND	
4-Nitrophenol	(100027)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/13/93
MSD2/2E68B
MC/mcc/dez
BNA-101193

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-9
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#22, FDC-2 @ 10'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Pentachlorophenol	(87865)	2.	ND	
Phenol	(108952)	2.	ND	
2,4,6-Trichlorophenol	(88062)	2.	ND	
Aldrin	(309002)	0.5	ND	
alpha BHC	(319846)	0.5	ND	
beta BHC	(319857)	0.5	ND	
delta-BHC	(319868)	0.5	ND	
gamma BHC (Lindane)	(58899)	0.5	ND	
p,p'-DDD	(72548)	0.5	ND	
p,p'-DDE	(72559)	0.5	ND	
p,p'-DDT	(50293)	0.5	ND	
Dieldrin	(60571)	0.5	ND	
Endosulfan I	(959988)	0.5	ND	
Endosulfan II	(33213659)	0.5	ND	
Endosulfan sulfate	(1031078)	0.5	ND	
Endrin	(72208)	0.5	ND	
Endrin aldehyde	(7421934)	0.5	ND	
Heptachlor	(76448)	1.	ND	
Heptachlor epoxide	(1024573)	1.	ND	

San Jose Lab Certifications: CAELAP #1204

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10/13/93
MSD2/2E68B
MC/mcc/dez
BVA-101193



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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Steve Boudreau
Fugro-McClelland
5855 Olivas Park Drive
Ventura, CA 93003

Lab Number : JJ-1868-9
Project : 9337-7532 Encinal
Terminal
Analyzed : 10/12/93
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
#22, FDC-2 @ 10'	Soil	A.Klein & J.Schaaf	09/29/93	09/29/93
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Methoxychlor	(72435)	1.	ND	
AROCLOR 1016	(12674112)	10.	ND	
AROCLOR 1221	(11104282)	10.	ND	
AROCLOR 1232	(11141165)	10.	ND	
AROCLOR 1242	(53469219)	10.	ND	
AROCLOR 1248	(12672296)	10.	ND	
AROCLOR 1254	(11097691)	10.	ND	
AROCLOR 1260	(11096825)	10.	ND	
Phenol-d5 (Surrogate & Recovery)			69.	
2-Fluorophenol (Surrogate & Recovery)			59.	
2,4,6-Tribromophenol (Surrogate & Recovery)			60.	
Nitrobenzene-d5 (Surrogate & Recovery)			71.	
2-Fluorobiphenyl (Surrogate & Recovery)			77.	
4-Terphenyl-d14 (Surrogate & Recovery)			86.	

San Jose Lab Certifications: CAELAP #1204

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10/13/93
MSD2/2E68B
MC/mcc/dez
BNA-101193

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Laboratory Director

NorCal Division (San Jose Laboratory)
 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1912-3
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/06/93
 Analyzed by: AZ
 Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
FDC-2	Groundwater	Alan Klein	09/30/93	10/01/93	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
VOLATILE ORGANIC COMPOUNDS					1
Acetone	(67641)	20.	ND		
Benzene	(71432)	1.	ND		
Bromodichloromethane	(75274)	1.	ND		
Bromoform	(75252)	1.	ND		
Bromomethane	(74839)	1.	ND		
2-Butanone (MEK)	(78933)	10.	ND		
Carbon Disulfide	(75150)	2.	ND		
Carbon Tetrachloride	(56235)	1.	ND		
Chlorobenzene	(108907)	1.	ND		
Chloroethane	(75003)	1.	ND		
2-Chloroethyl Vinyl Ether	(110758)	5.	ND		
Chloroform	(67663)	1.	ND		
Chloromethane	(74873)	1.	ND		
Dibromochloromethane	(124481)	1.	ND		
1,2-Dichlorobenzene	(95501)	1.	ND		
1,3-Dichlorobenzene	(541731)	1.	ND		
1,4-Dichlorobenzene	(106467)	1.	ND		
1,1-Dichloroethane	(75343)	1.	ND		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) EXTRACTED by EPA 5030 (purge-and-trap)

10/08/93
 FIN1/100612A
 MC/mcc/ahz
 FIN1/1006

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 2059 Junction Ave.

San Jose, CA 95131
 (408) 955-9077

CLIENT: Steve Boudreau
 Fugro-McClelland
 5855 Olivas Park Drive
 Ventura, CA 93003

Lab Number : JJ-1912-3
 Project : 9337-7532 Encinal
 Terminal
 Analyzed : 10/06/93
 Analyzed by: AZ
 Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
FDC-2	Groundwater	Alan Klein	09/30/93	10/01/93
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
1,2-Dichloroethane	(107062)	1.	ND	
1,1-Dichloroethene	(75354)	1.	ND	
cis-1,2-Dichloroethene	(156592)	1.	ND	
trans-1,2-Dichloroethene	(156605)	1.	ND	
1,2-Dichloropropane	(78875)	1.	ND	
cis-1,3-Dichloropropene	(100610105)	1.	ND	
trans-1,3-Dichloropropene	(10061026)	1.	ND	
Ethylbenzene	(100414)	1.	ND	
2-Hexanone	(591786)	5.	ND	
Methyl Isobutyl Ketone (MIBK)	(108101)	5.	ND	
Methylene Chloride	(75092)	5.	ND	
Styrene	(100425)	1.	ND	
1,1,2,2-Tetrachloroethane	(79345)	2.	ND	
Tetrachloroethene	(127184)	1.	ND	
Toluene	(108883)	1.	ND	
1,1,1-Trichloroethane	(71556)	1.	ND	
1,1,2-Trichloroethane	(79005)	1.	ND	
Trichloroethene	(79016)	1.	ND	
Trichlorofluoromethane	(75694)	1.	ND	
Trichlorotrifluoroethane	(76131)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
 FIN1/100612A
 MC/mcc/ahz
 FIN1/1006



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REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
FDC-2	Groundwater	Alan Klein	09/30/93	10/01/93	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Vinyl Acetate	(108054)	5.	ND		
Vinyl Chloride	(75014)	1.	ND		
Xylenes (total)	(1330207)	1.	ND		
D4-DCA (% Surrogate recovery #1)			99.		
D8-TOL (% Surrogate Recovery #2)			93.		
BFB (% Surrogate Recovery #3)			90.		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

10/08/93
FIN1/100612A
MC/mcc/ahz
FIN1/1006

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Marissa Coronel
Laboratory Director

CHAIN OF CUSTODY RECORD



LABORATORY <i>(cont to Cont Analytical)</i>		LABORATORY LOCATION <i>San Jose</i>		DATE <i>9/28/93</i>	FM JOB No. <i>93371532</i>
CLIENT <i>CAPITAL HOLDING</i>		PROJECT <i>1521 BENA VISTA ALAMOGA</i>			
PROJECT MANAGER <i>Steve Boudreau</i>		SAMPLER (Signature) <i>[Signature]</i> <i>ALAN S. KLEN</i>			

Laboratory No.	Sample No.	Location and Description	Date	Time	Vessel Type	No. of Vessels	Sample Matrix	Preservation Method	Tests Required
<i>1868-1</i>	<i>1</i>	<i>FOA-1 @ 5'</i>	<i>9/28/93</i>	<i>1010</i>	<i>1</i>	<i>1</i>	<i>S</i>	<i>A</i>	<i>C, D, E</i>
<i>19-18</i>	<i>2</i>	<i>FOA-1 @ 10'</i>		<i>1020</i>					
<i>20-19</i>	<i>3</i>	<i>FOA-1 @ 15'</i>		<i>1030</i>					
<i>21-20</i>	<i>4</i>	<i>FOA-1 @ 20'</i>		<i>1040</i>					
<i>-2</i>	<i>5</i>	<i>FOA-2 @ 5'</i>		<i>1105</i>					<i>C, D, E</i>
<i>-3</i>	<i>6</i>	<i>FOA-2 @ 10'</i>		<i>1115</i>					<i>C, D, E</i>
<i>-22</i>	<i>7</i>	<i>FOA-2 @ 15'</i>		<i>1130</i>					
<i>-23</i>	<i>8</i>	<i>FOA-2 @ 20'</i>	<i>↓</i>	<i>1140</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	

VESEL TYPE	SAMPLE MATRIX	TEST REQUIRED
<ol style="list-style-type: none"> Brass or stainless steel sleeve, 2 1/2-inch diameter by 1, 3, 4, or 6 inches long Brass or stainless steel sleeve, 1 1/2-inch diameter by 4 inches long Stainless steel sleeve, 1 inch diameter by 6 inches long Amber glass bottle with Teflon lined screw cap, 1,000 milliliters Amber glass bottle with Teflon lined screw cap, 250 milliliters Clear glass jar with Teflon lined screw cap, 4 or 6 ounces VOA vial, 40 milliliters Mason jar, 1 pint or 1 quart Plastic bottle, 1 liter Other 	<ul style="list-style-type: none"> A Air <i>(S)</i> Solid W Water D Other 	<ul style="list-style-type: none"> A <i>PH (Direct) 8215</i> B <i>PTX 8230</i> C <i>Som. Volatiles 8270</i> D <i>Volatiles 8240</i> E <i>CAM METALS (16 metals)</i> F G H I J
	PRESERVATION METHOD	
	<ul style="list-style-type: none"> <i>(A)</i> Artificial ice B NaHSO₃ C HNO₃ D None E Other 	

RELINQUISHED BY: (Signature) <i>[Signature]</i>	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE <i>9/29/93</i>	TIME <i>1520</i>
RELINQUISHED BY: (Signature) <i>[Signature]</i>	RECEIVED BY: (Signature)	DATE <i>9/29/93</i>	TIME <i>1615</i>
RELINQUISHED BY: (Signature)	RECEIVED FOR LABORATORY BY: (Signature) <i>[Signature]</i>	DATE <i>09/29/93</i>	TIME <i>1615</i>

METHOD OF SHIPMENT: <i>World Courier</i>	TURNAROUND TIME:	SAMPLE DISPOSAL: <i>cool, intact</i>
SPECIAL INSTRUCTIONS: <i>QUESTIONS CALL STEVE BOUDREAU (415) 296 1041</i> <i>JOE SCHMIDT 805 650 7000</i>		
HANDLING INFORMATION <i>Analyses verified with Joe Schmidt 09/30/93 am (13)</i>		

White - FM Copy Yellow - Laboratory Copy Pink - Return to FM with Results

5855 Olivas Park Drive • Ventura, California 93003-7672 • (805) 650-7000, FAX (805) 650-7010

CHAIN OF CUSTODY RECORD



LABORATORY <i>Cast to Cast Analytical</i>		LABORATORY LOCATION <i>SAN JOSE</i>		DATE <i>9/20/93</i>		PM JOB No. <i>7532</i> <i>9337</i>	
CLIENT <i>CAPITAL HOLDING</i>		PROJECT <i>1521 BUENA VISTA, ALAMEDA</i>					
PROJECT MANAGER <i>Steve Rendon</i>		SAMPLER (Signature) <i>Al J. Klein</i> <i>ALAN J. KLEIN</i>					

Laboratory No.	Sample No.	Location and Description	Date	Time	Vessel Type	No. of Vessels	Sample Matrix	Preservation Method	Tests Required
<i>1808-4</i>	<i>9</i>	<i>FDB-1 @ 5'</i>	<i>9/20/93</i>	<i>1245</i>	<i>1</i>	<i>1</i>	<i>S</i>	<i>A</i>	<i>A, B, C</i>
<i>-24</i>	<i>10</i>	<i>FDB-1 @ 10'</i>		<i>1255</i>					
<i>-25</i>	<i>4</i>	<i>FDB-1 @ 15'</i>		<i>1305</i>					
<i>-26</i>	<i>12</i>	<i>FDB-1 @ 20'</i>		<i>1320</i>					
<i>-5</i>	<i>13</i>	<i>FDB-2 @ 5'</i>							<i>A, B, C</i>
<i>-7</i>	<i>14</i>	<i>FDB-2 @ 10'</i>							<i>A, B, C</i>
<i>-37</i>	<i>15</i>	<i>FDB-2 @ 15'</i>							
<i>-28</i>	<i>16</i>	<i>FDB-2 @ 20'</i>							

VESSEL TYPE	SAMPLE MATRIX	TEST REQUIRED
1 Brass or stainless steel sleeve, 2 1/2-inch diameter by 1, 3, 4, or 6 inches long	A Air	A SEMI VOLATILES 8270
2 Brass or stainless steel sleeve, 1 1/2-inch diameter by 4 inches long	<u>S</u> Solid	B VOLATILES 8240
3 Stainless steel sleeve, 1 inch diameter by 6 inches long	W Water	C CARBONALS
4 Amber glass bottle with Teflon lined screw cap, 1,000 milliliters	O Other	D
5 Amber glass bottle with Teflon lined screw cap, 280 milliliters	PRESERVATION METHOD	
6 Clear glass jar with Teflon lined screw cap, 4 or 6 ounces	<u>A</u> Artificial ice	F
7 VOA vial, 40 milliliters	B NaHSO ₃	G
8 Mason jar, 1 pint or 1 quart	C HNO ₃	H
9 Plastic bottle, 1 liter	D None	I
10 Other	E Other	J

RELINQUISHED BY: (Signature) <i>Al J. Klein</i>	RECEIVED BY: (Signature) <i>C. G. G. G.</i>	DATE: <i>9/29/93</i>	TIME: <i>1520</i>
RELINQUISHED BY: (Signature) <i>C. G. G. G.</i>	RECEIVED BY: (Signature)	DATE: <i>9/29/93</i>	TIME: <i>1615</i>
RELINQUISHED BY: (Signature)	RECEIVED FOR LABORATORY BY: (Signature) <i>Clayton C. Abraham</i>	DATE: <i>9/29/93</i>	TIME: <i>1615</i>

METHOD OF SHIPMENT: <i>World Courier</i>	TURNAROUND TIME:	SAMPLE DISPOSAL: <i>cool, incinerate</i>
SPECIAL INSTRUCTIONS:		
HANDLING INFORMATION <i>Analyses verified with J. Schaefer 09/30/93 am (13)</i>		

White - PM Copy Yellow - Laboratory Copy Pink - Return to PM with Results

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CHAIN OF CUSTODY RECORD



LABORATORY: <i>Condi to Condi Analytical</i>		LABORATORY LOCATION: <i>SAN JOSE</i>		DATE: <i>9/29/93</i>	PM JOB No.: <i>93377532</i>
CLIENT: <i>CAPITAL HOLDING</i>		PROJECT: <i>1521 PRIMA VISTA</i>			
PROJECT MANAGER: <i>STEVE BORDREAU</i>		SAMPLER (Signature): <i>Al J. Klein</i> ALAN J. KLEIN			

Laboratory No.	Sample No.	Location and Description	Date	Time	Vessel Type	No. of Vessels	Sample Matrix	Preservation Method	Tests Required
<i>1868-7</i>	<i>17</i>	<i>FOC-1 @ 5'</i>	<i>9/29/93</i>	<i>0750</i>	<i>1</i>	<i>1</i>	<i>S</i>	<i>A</i>	<i>A, B, C</i>
<i>29-28</i>	<i>18</i>	<i>FOC-1 @ 10'</i>		<i>0800</i>					
<i>30-29</i>	<i>19</i>	<i>FOC-1 @ 15'</i>		<i>0810</i>					
<i>31-30</i>	<i>20</i>	<i>FOC-1 @ 20'</i>		<i>0820</i>					
<i>-8</i>	<i>21</i>	<i>FOC-2 @ 5'</i>		<i>0905</i>					<i>A, B, C</i>
<i>-9</i>	<i>22</i>	<i>FOC-2 @ 10'</i>		<i>0915</i>					<i>A, B, C</i>
<i>-32</i>	<i>23</i>	<i>FOC-2 @ 15'</i>		<i>0925</i>					
<i>-33</i>	<i>24</i>	<i>FOC-2 @ 20'</i>		<i>0935</i>					

VESSEL TYPE	SAMPLE MATRIX	TEST REQUIRED
<input checked="" type="checkbox"/> Brass or stainless steel sleeve, 2 1/2-inch diameter by 1, 3, 4, or 6 inches long	<input checked="" type="checkbox"/> Air	<input checked="" type="checkbox"/> A SEMI VOLATILES 8270
<input type="checkbox"/> Brass or stainless steel sleeve, 1 1/2-inch diameter by 4 inches long	<input type="checkbox"/> Solid	<input type="checkbox"/> B VOLATILES 8240
<input type="checkbox"/> Stainless steel sleeve, 1 inch diameter by 6 inches long	<input type="checkbox"/> W Water	<input type="checkbox"/> C CATION METALS
<input type="checkbox"/> Amber glass bottle with Teflon lined screw cap, 1,000 milliliters	<input type="checkbox"/> O Other	<input type="checkbox"/> D
<input type="checkbox"/> Amber glass bottle with Teflon lined screw cap, 280 milliliters	PRESERVATION METHOD	
<input type="checkbox"/> Clear glass jar with Teflon lined screw cap, 4 or 8 ounces	<input checked="" type="checkbox"/> Artificial ice	<input type="checkbox"/> E
<input type="checkbox"/> VOA vial, 40 milliliters	<input type="checkbox"/> B NaHSO ₄	<input type="checkbox"/> F
<input type="checkbox"/> Mason jar, 1 pint or 1 quart	<input type="checkbox"/> C HNO ₃	<input type="checkbox"/> G
<input type="checkbox"/> Plastic bottle, 1 liter	<input type="checkbox"/> D None	<input type="checkbox"/> H
<input type="checkbox"/> Other	<input type="checkbox"/> E Other	<input type="checkbox"/> I
		<input type="checkbox"/> J

RELINQUISHED BY: (Signature) <i>Al J. Klein</i>	RECEIVED BY: (Signature) <i>Alison Abraham</i>	DATE: <i>9/29/93</i>	TIME: <i>1520</i>
RELINQUISHED BY: (Signature) <i>Alison Abraham</i>	RECEIVED BY: (Signature)	DATE: <i>9/29/93</i>	TIME: <i>1615</i>
RELINQUISHED BY: (Signature)	RECEIVED FOR LABORATORY BY: (Signature) <i>Alison Abraham</i>	DATE: <i>9/29/93</i>	TIME: <i>1615</i>

METHOD OF SHIPMENT: <i>World Courier</i>	TURNAROUND TIME:	SAMPLE DISPOSAL: <input type="checkbox"/> Return to FM <input checked="" type="checkbox"/> Proper disposal by Lab after 60 days
SPECIAL INSTRUCTIONS:		
HANDLING INFORMATION: <i>Analyses verified with Joe Schaeff 09/30/93 am (A3)</i>		

White - PM Copy Yellow - Laboratory Copy Pink - Return to FM with Results

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141 Suburban Road
751 S. Kellogg, Suite A
6006 Egret Ct.
2400 Cumberland Dr.
4765 Calle Quetzal
340 County Road No. 5

San Luis Obispo, CA 93401
Goleta, CA 93117
Benicia, CA 94510
Valparaiso, Indiana 46383
Camarillo, CA 93012
Westbrook, ME 04092

13-2553 FAX (805) 543-2685
64-7838 FAX (805) 967-4386
(707) 747-2757 FAX (707) 747-2765
(219) 464-2389 FAX (219) 462-2953
(805) 389-1353 FAX (805) 389-1438
(207) 874-2400 FAX (207) 775-4029

Chain of Custody

• PLEASE PRINT IN PEN

Client	<i>FLORO McCallister</i>	Contact	<i>S. Bracilone</i>	Phone #	<i>(415) 296-1691</i>	FAX #	<i>(415) 296-0944</i>
Address		City		State		Zip	
Project Name/Number	<i>ENGINE ISMUNITE # 9337-7532</i>			Project MGR	<i>S. Bracilone</i>		
Bill (if different than above)	Address						
Sampler (Print and sign)	<i>ILLI</i>	<i>ILLI</i>	<i>ILLI</i>	Due Date	<i>N/A</i>	Copies To:	Auth. Init.

Sample Description	Date/Time Coll'd	*Matrix	# of Containers	Pres.	Filt. y/n	* Subject to Availability Analysis	Remarks	Lab ID #
<i>FDA-1 (water)</i>	<i>9-30 1525</i>	<i>GW</i>	<i>4</i>	<i>111P</i>		<i>8240 Volatiles</i>		<i>1912-1</i>
<i>FDB-2 (water)</i>	<i>9-30 1540</i>	<i>GW</i>	<i>4</i>	<i>111C</i>		<i>8240 Volatiles</i>		<i>-2</i>
<i>FDC-2 (water)</i>	<i>9-30 1615</i>	<i>GW</i>	<i>4</i>	<i>111C</i>		<i>8240 Volatiles</i>		<i>-3</i>
<i>TB-2 (water)</i>	<i>9-29</i>	<i>GW</i>	<i>3</i>	<i>111C</i>				
<i>TB-2 (water)</i>	<i>9-30 1620</i>	<i>GW</i>	<i>1</i>			<i>8015 Volatiles Dicse TPH</i>		<i>4</i>
<i>TA-2 (water)</i>	<i>9-30 1140</i>	<i>GW</i>	<i>3</i>	<i>111C</i>		<i>8015 (Volatiles) ^{gas d. (11)} 8025 (BTEX)</i>		<i>-5</i>

Relinquished By	Date/Time	Received By	Relinquished By	Date/Time	Received By
<i>ILLI</i>					

FOR LAB USE ONLY

Shipping Method	Shipping #	Received By	Date/Time	Condition (See Remarks)
<i>Unbrd Cores</i>		<i>Alison Abraham</i>	<i>10/01/99 1700</i>	Cold <input checked="" type="checkbox"/> Sealed <input type="checkbox"/> Intact <input checked="" type="checkbox"/>
REMARKS	<i>Wals placed in guard bottles upon receipt @ Lab</i>			

- * 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



APPENDIX C
COUNTY PERMIT FOR SOIL BORING ADVANCEMENT



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE • PLEASANTON, CALIFORNIA 94588 • (510) 484-2600

TELEFAX TRANSMITTAL

DATE: 30 Sep 93

DELIVER TO: Stephen Boudreau

NAME OF FIRM: Sugro McClelland

FAX PHONE #: (415) 296-0944

FROM: Hyman Hong

NUMBER OF PAGES: 2
(Including transmittal)

FOR VOICE CONTACT CALL: (510) 484-2600

FOR RETURN FAX: (510) 462-3914

REMARKS: Transmitting drilling permit 93540
for a contamination investigation at 1521
Buena Vista ave. in Alameda for Capital
Holding Corp.



ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588

VOICE (510) 484-2600

FAX (510) 482-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT

1521 BUENA VISTA

ALAMEDA, CA 94501

PERMIT NUMBER 93540

LOCATION NUMBER _____

CLIENT

Name CAPITAL HOLDING CORPORATION

Address 400 W. MARKET ST. Voice 502-560-2112

City LOUISVILLE, KY. Zip 40232

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT

Name STEPHAN BOUDREAU - FURCO McCLELLAND

Fax 415-276-0944

Address 4 MONTGOMERY ST. SUITE 225 Voice 415-276-1041

City SAN FRANCISCO Zip 94104

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 90 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.

PROJECT

Instruction	Geotechnical Investigation
Periodic Protection	General
Water Supply	Contamination <input checked="" type="checkbox"/>
Monitoring	Well Destruction

PROPOSED WATER SUPPLY WELL USE - N/A

Domestic	Industrial	Other
Municipal	Irrigation	

DRILLING METHOD:

Mud Rotary	Air Rotary	Auger <input checked="" type="checkbox"/>
Cable	Other	

DRILLER'S LICENSE NO. 384167

WELL PROJECTS

Drill Hole Diameter	in.	Maximum	
Casing Diameter	in.	Depth	ft.
Surface Seal Depth	ft.	Number	

GEOTECHNICAL PROJECTS

Number of Borings	<u>16</u>	Maximum	
Hole Diameter	<u>8</u> in.	Depth	<u>20</u> ft.

ESTIMATED STARTING DATE 9/21/93

ESTIMATED COMPLETION DATE 10/01/93

B. WATER WELLS, INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 60 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

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 Wyman Hong
Wyman Hong

Date 30 Sep

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

APPLICANT'S SIGNATURE

[Signature]