RAMCON
Engineering & Environmental Contracting, Inc.

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TANK REMOVAL SOIL REMEDIATION SUMMARY REPORT

Pacific Gas & Electric- Emeryville
4525 Hollis Street
Emeryville, CA. 94608
February 22, 1994 **RAMCON Job #649001**

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February 22, 1993

Ms. Michelle Boscoe
Pacific Gas & Electric
4525 Hollis Street
Emeryville, CA. 94608

RE- TANK REMOVAL & SOIL REMEDIATION SUMMARY REPORT:
Pacific Gas & Electric- Emeryville
4525 Hollis Street
Emeryville, CA. 94608
RAMCON Job #649001

Dear Ms. Boscoe,

The following report summarizes the removal and disposal of two 5,000 gallon underground storage tanks (UST), the excavation of impacted soil, collection & analyses of soil samples, and the disposal of the excavated soil to a licensed landfill.

Site Location: The site is located west of Hollis Street, and north of 45th Street, less than 1 mile north east of the Interstate 80 and 580 interchange, (Appendix 1, Plate 1).

Owner: Pacific Gas & Electric Company
4525 Hollis Street
Emeryville, CA. 94608

Contact: Ms. Michelle Boscoe, (510) 649-3310

Plates:
1) General Location Map
2) Detailed Site Plan- Tank Removal Soil Sample Locations, 12-22-93
3) Detailed Site Plan- Over Ex Soil Sample Locations, 12-29-93

Tables:

	West Log #	Comments	Date
1)	#8211	Tank Removal Excavation Soil Samples	12-22-93
2)	#8211	Tank Removal Stockpile Soil Samples	12-22-93
3)	#8252	Over Excavation Soil Samples	12-29-93
4)	#8252	Over Excavation Stockpile Soil Samples	12-29-93

Documents:	CA. UST Permit Applications-	Form A & B, (Temp Abd)	07-31-91
	Precision Tank & Line Testing-	Two 5,000 gallon tanks	07-31-91
	2 Non-Hazardous Waste Data Forms-	10,818 gallons UST Water	12-10-93
	1 Non-Hazardous Waste Data Form-	608 gallons UST Water	12-22-93
	Certified Excavation & Shoring Plan		12-02-93
	1 Uniform Hazardous Waste Manifest-	Two 5,000 gallon UST's	12-22-93
	Certificates of Tank Destruction-	Two 5,000 gallon UST's	01-03-94
	12 Uniform Hazardous Waste Manifests-	246 Tons of Soil	01-27 & 28-94
	1 Bill of Lading-	1,800 gallons, Rinse Water	01-28-94
	1 Uniform Hazardous Waste Manifest-	PCB waste & equipment	02-01-94

	West Log #	Comments	Date
Data:	Sparger	UST Water Samples	12-01-93
	#8211	Tank Removal Excavation & Stockpile Soil Samples	12-22-93
	#8252	Over Excavation & Stockpile Soil Samples	01-29-93

Previous Reports: **RAMCON** was not provided with any reports concerning the subject site.

Tank Data: Based on statements from PG&E personnel, the two 5,000 gallon single-walled steel UST's were used to store Non-PCB Transformer Oil. The tanks were decommissioned by PG&E in 1986. The tanks were temporarily abandoned by rinsing the tanks out and filling them with water. The Underground Storage Tank Permit Application for "Temporary Tank Closure"- Forms A & B and Precision Tank & Line Test Results from 1991 have been attached in Appendix 2.

Groundwater: The depth to groundwater underlying the former tank is estimated to be 12 feet below grade. Note: Grade is measured from the loading dock which is 3 feet above the street grade. The estimated depth to groundwater is based on information provided by PG&E.

TESTING & DISPOSAL OF WATER FROM TANKS:
Prior to removal of the tanks; the water used to decommission the tanks, needed to be properly profiled and disposed of at a licensed facility. On 12-01-93, a **RAMCON** field technician collected two water samples from each tank. The samples were transported under chain-of-custody to Sparger Technology for analyses. Sparger is a DOHS CAL ELAP certified laboratory, #1614. The water was analyzed for Total Oil & Grease and for PCB's using EPA method 8080. The northern tank sample, N1, was free of Oil & Grease and PCB's above the laboratory reporting limits. The southern tank sample, S1, contained 600,000 ug/L Oil and Grease and no PCB's above the laboratory reporting limits, (Appendix 3).

On 12-10-93, a total of 10,818 gallons of water was pumped from the tanks into two trucks operated by Erickson Inc. Erickson Inc. transported the water under a Non-Hazardous waste Data Forms to Gibson's Pilot facility located in Redwood City, CA for recycling. Copies of the two Data Forms are attached in Appendix 2.

UNDERGROUND STORAGE TANK REMOVAL & DISPOSAL:
Prior to removal of the two tanks; the overlying concrete was saw cut and removed from the area. Following the attached excavation & shoring plan, (Appendix 2), the shoring was installed around the tanks: with dimensions of 24.5 feet by 25 feet to a depth of 20 feet. While installing the shoring, a concrete vault was uncovered along the north side of the tank pit between the tank pit and the building. The vault was 4 feet wide, 9 feet long, and 6 feet deep. Approximately 2 feet of the vault extended into the tank pit; consequently the upper portion of the vault was demolished in order to install the horizontal waler on the north side of the excavation. The concrete rubble from the upper portion of the vault and the soil contained in the vault was removed and stockpiled separately from the tank overburden soil. After installing the shoring, the overburden soil was removed from tanks, loaded directly into trucks and placed across the street in a prearranged stockpile area. All soil was placed on and covered with plastic.

On 12-22-93, **RAMCON** personnel prepared to remove the tanks. An additional 608 gallons of water was pumped from the tanks by Erickson Inc. Erickson Inc transported the water under Non-Hazardous Waste Data Forms to Gibson's Pilot facility located in Redwood City, CA. A copy of the Data Form is attached in Appendix 2. The tanks were inerted with dry ice, removed from the excavation, inspected, and then loaded onto a truck operated by Erickson Inc. The tanks were transported under manifest to Erickson's Richmond, CA. facility for proper destruction and disposal. The Uniform Hazardous Waste Manifest and certificates of tank destruction have been attached, (Appendix 2).

Representatives from the Emeryville Fire Department, Alameda County DOHS, and PG&E were on site to observe the tank removal work and soil sample collection. The tanks appeared to be in good condition. The soil in the north east corner of the former UST's pit floor appeared to be stained a greenish color. No significant hydrocarbon odors were noted during the removal of the tanks and no water was noted in the floor of the excavation. The tanks were originally buried with 18 inches of cover soil, so the tank imprints were at a depth of 9.5 feet below grade, (Appendix 1, Plate 2).

Soil Sample Locations- Following the removal of the tanks, a technician from Western Environmental Science & Technology (WEST) collected soil samples from the following locations:

PF-1	West end of the north tank at 10 feet below grade.
PF-2	East end of the north tank at 10 feet below grade.
PF-3	West end of the south tank at 10 feet below grade.
PF-4	East end of the south tank at 10 feet below grade.
Stk1(A-D)	Tank Overburden Stockpile composite sample
Stk1(F-G)	Tank Overburden Stockpile composite sample
Stk2(A-B)	Vault fill soil Stockpile composite sample

Please refer to Appendix 1, Plate 2 for a site map showing the sample locations, excavation dimensions, and location of the concrete vault. All soil samples were collected under the direction of a representative of the County of Alameda DOHS.

Sample Collection- Using a backhoe, soil was removed from the floor of the excavation. The samples were collected from the backhoe bucket by pounding a clean brass sleeve into a freshly exposed surface of native soil. The discrete stockpile soil samples were collected by digging into the soil 18" and pounding a 2" by 3" brass sleeve into a freshly exposed surface. All sleeves were inspected to insure that no head space was present in either end of the sleeve and then sealed with teflon tape, plastic caps, and duct tape. The sleeves were then labeled, placed on ice, and transported under chain-of-custody to WEST for analyses. WEST is a CA DOHS certified laboratory, #1346. Note: The discrete stockpile soil samples were composited in the laboratory and then analyzed.

Analyses- At the request of PG&E and the County of Alameda DOHS; the seven samples collected at the site were analyzed for the following:

BTEX, TPH as Gasoline & TPH as Diesel & Motor Oil	EPA 8020/8015 modified
Total Oil & Grease	
Volatile Halocarbons	EPA 8010
Semi-Volatile Organics	EPA 8270
PCB's	EPA 8080
Five TTLC Metals (Cd, Cr, Pb, Zn, Ni).	

Referring to the analytical summary of WEST's sample log #8211 presented in Appendix 1, Tables 1 & 2; the pit floor samples, PF-2, PF-3, and PF-4 contained detectable concentrations of PCB's.

Pit floor sample, PF-2, contained 2,600 mg/kg TPH as Diesel and PF-4 contained 10 mg/kg TPH as Motor Oil. Sample PF-1 was free of all analylites above the laboratory reporting limits. No BTEX, Semi-Volatile Organic, or Volatile Halocarbon compounds were detected in the four pit floor samples. The three stockpile samples contained concentrations of hydrocarbons, PCB's, and Semi-Volatile Organics that required off-site disposal at a licensed landfill. Copies of the analytical data are attached in Appendix 3.

VERTICAL OVER EXCAVATION OF THE PIT FLOOR:
After gaining approval from the County of Alameda DOHS; PG&E representatives instructed **RAMCON** personnel to deepen the excavation floor to a total depth of 12 feet. On 12-29-93, **RAMCON** personnel excavated the pit floor down to a depth of 12 feet below grade.

The material removed from the excavation was loaded directly onto trucks and re-located to the stockpile area across the street. All over excavation soil was placed on and covered with plastic to the south of the overburden stockpiles., (Appendix 1, Plate 3).

Soil Sample Locations- Under the direction of PG&E and the County of Alameda, who oversaw the over excavation work, a technician from WEST collected a total of 7 soil samples from the following locations:

PF-5	Center of Pit Floor on East end at 12 feet below grade.
PF-6	Center of Pit Floor on South side at 12 feet below grade.
PF-7	Center of Pit Floor on West end at 12 feet below grade.
PW-n	North Pit Wall below concrete vault at 12 feet below grade.
PW-ne	North-East corner Pit Wall at 12 feet below grade.
Stk3(A-D)	Tank Over Excavation Stockpile composite sample
Stk3(F-G)	Tank Over Excavation Stockpile composite sample

Please refer to Appendix 1, Plate 3 for a site map showing the sample locations, excavation dimensions, and location of the concrete vault.

Sample Collection- Using a backhoe, soil was removed from the floor of the excavation. The samples were collected from the backhoe bucket by pounding a clean brass sleeve into a freshly exposed surface of native soil. The discrete stockpile soil samples were collected by digging into the soil 18" and pounding a 2" by 3" brass sleeve into a freshly exposed surface. All sleeves were inspected to insure that no head space was present in either end of the sleeve and then sealed with teflon tape, plastic caps, and duct tape.
The sleeves were then labeled, placed on ice, and transported under chain-of-custody to WEST for analyses. Note: The discrete stockpile soil samples were composited in the laboratory, 4 sleeves per composite, and then analyzed.

Analyses- At the request of PG&E and the County of Alameda DOHS; the seven samples collected at the site were analyzed for the following:

BTEX, TPH as Gasoline & TPH as Diesel & Motor Oil	EPA 8020/8015 modified
Total Oil & Grease	
Volatile Halocarbons	EPA 8010
Semi-Volatile Organics	EPA 8270
PCB's	EPA 8080
Five TTLC Metals (Cd, Cr, Pb, Zn, Ni).	

Referring to the analytical summary of WEST's sample log #8252 presented in Appendix 1, Tables 3 & 4; excavation samples, PF-5, PF-7, PW-n, and PW-ne all contained detectable concentrations TPH as Diesel. Pit wall samples, PW-n, and PW-ne, also contained concentrations of PCB's. No BTEX, TPH as Gasoline, TPH as Motor Oil, Semi-Volatile Organics, or Volatile Halocarbons above the laboratory reporting limits were detected in the excavation soil samples. The two stockpile composite soil samples contained concentrations of TPH as Diesel, Oil & Grease, and PCB's that required off-site disposal at a licensed landfill. Copies of the analytical data are attached in Appendix 3.

BACKFILLING THE EXCAVATION:
After gaining approval from the County of Alameda DOHS, PG&E representatives instructed, **RAMCON** personnel to backfilled the excavation as follows:

1) The excavation floor and walls were lined with 4 oz. filter fabric.

2) 3/4" drain rock was placed in the excavation from 12 to 8 feet from grade.

3) The filter fabric was then pulled off the walls and draped over the top of the drain rock to prevent migration of fines into the rock.

4) The remainder of the excavation was brought to sub-grade with 8" lifts of 3/4" Class II aggregate base rock with 95% relative compaction.

5) The excavation was capped with 8" of steel reinforced concrete cement that was slip-doweled into the existing concrete.

During the backfill operation **RAMCON** personnel, at the request of PG&E; cut, drained, threaded, and capped two product lines located in the north east corner of the excavation. Note: The product lines cut and removed were not part of the former 5,000 gallon UST product line and vent system. The excavation was backfilled to 4 feet from grade and a plastic liner was laid under the pipes. The lines were then cut and approximately 4 gallons of oil was drained from the southern pipe into a 5 gallon bucket. After cutting, no oil drained from the northern line. both ends of the two lines were, threaded, capped, and sealed. The excavation was then backfilled to subgrade. The plastic liner, bucket, oil, piping, and protective clothing was collected and placed in a 55 gallon drum by representatives of PG&E. PG&E representatives profiled the materials in the 55 gallon drum for disposal at U.S Ecology in Beatty, Nevada. The drum was shipped out on 02-01-94 with other PCB contaminated waste normally generated at the subject site. A copy of the Uniform Hazardous Waste Manifest for the shipment has been attached in Appendix 2.

STOCKPILED SOIL DISPOSAL:
The overburden stockpiled soil, the vault stockpiled soil, and the over excavation stockpile soil was profiled for and accepted for disposal at Chemical Waste Management Inc. Kettleman Hills landfill, 35251 Old Sky Line Road, Kettleman City, CA. The soil was described as "Environmentally Hazardous Substance Soil N.O.S. Polychlorinated Biphenyls, Hazardous Class 9, I.D. UN3077, Packing Group III".

On 01-27-94 and 01-28-94, **RAMCON** personnel loaded a total of 246 tons soil onto 12 trucks provided by Chemical Waste Inc. The soil was transported under manifest to Chemical Waste's Kettleman Hills licensed landfill. The Uniform Hazardous Waste Manifests for the soil haul have been attached, (Appendix 2).

After disposal of the stockpiled soil and completion of the backfilling operations, **RAMCON** personnel washed down the former location of the stockpiled soil to remove the remaining residual soil. All surface cleaning water was contained; approximately 1,800 gallons of water, with an estimated 3% solids, was pumped into a truck operated by Erickson Inc. Erickson Inc. transported the water to the Gibson Pilot facility located in Redwood City, CA. A Copy of the bill of lading for the water has been attached in Appendix 2.

Note: This report is summary of the work completed by **RAMCON** for PG&E. No judgements or interpretations concerning the subsite conditions at the subject site have been made or are intended to be made.

If you have any questions or comments, please feel free to call Mr. Jaff Auchterlonie @ 372-7537.

Sincerely,

Jaff B Auchterlonie

Mr. Jaff Auchterlonie
RAMCON

APPENDICES

APPENDIX 1 PLATES & TABLES:

Plates:

1) General Location Map
2) Detailed Site Plan- Tank Removal Soil Sample Locations, 12-22-93
3) Detailed Site Plan- Over Ex Sample Locations, 12-29-93

Tables:

West Log #	Comments	Date
1) #8211	Tank Removal Excavation Soil Samples	12-22-93
2) #8211	Tank Removal Stockpile Soil Samples	12-22-93
3) #8252	Over Excavation Soil Samples	12-29-93
4) #8252	Over Excavation Stockpile Soil Samples	12-29-93

APPENDIX 2 DOCUMENTS:

Documents:

CA. UST Permit Applications-	Form A & B, (Temp Abd)	07-31-91
Precision Tank & Line Testing-	Two 5,000 gallon tanks	07-31-91
2 Non-Hazardous Waste Data Forms-	10,818 gallons UST Water	12-10-93
1 Non-Hazardous Waste Data Form-	608 gallons UST Water	12-22-93
Certified Excavation & Shoring Plan		12-02-93
1 Uniform Hazardous Waste Manifest-	Two 5,000 gallon UST's	12-22-93
Certificates of Tank Destruction-	Two 5,000 gallon UST's	01-03-94
12 Uniform Hazardous Waste Manifests-	246 Tons of Soil	01-27 & 28-94
1 Bill of Lading-	1,800 gallons, Rinse Water	01-28-94
1 Uniform Hazardous Waste Manifest-	PCB waste & equipment	02-01-94

APPENDIX 3 ANALYTICAL DATA

Data:

West Log #	Comments	Date
Sparger	UST water Samples	12-01-93
#8211	Tank Removal Excavation & Stockpile Soil Samples	12-22-93
#8252	Over Excavation & Stockpile Soil Samples	01-29-93

APPENDIX 1 PLATES & TABLES:

Plates:

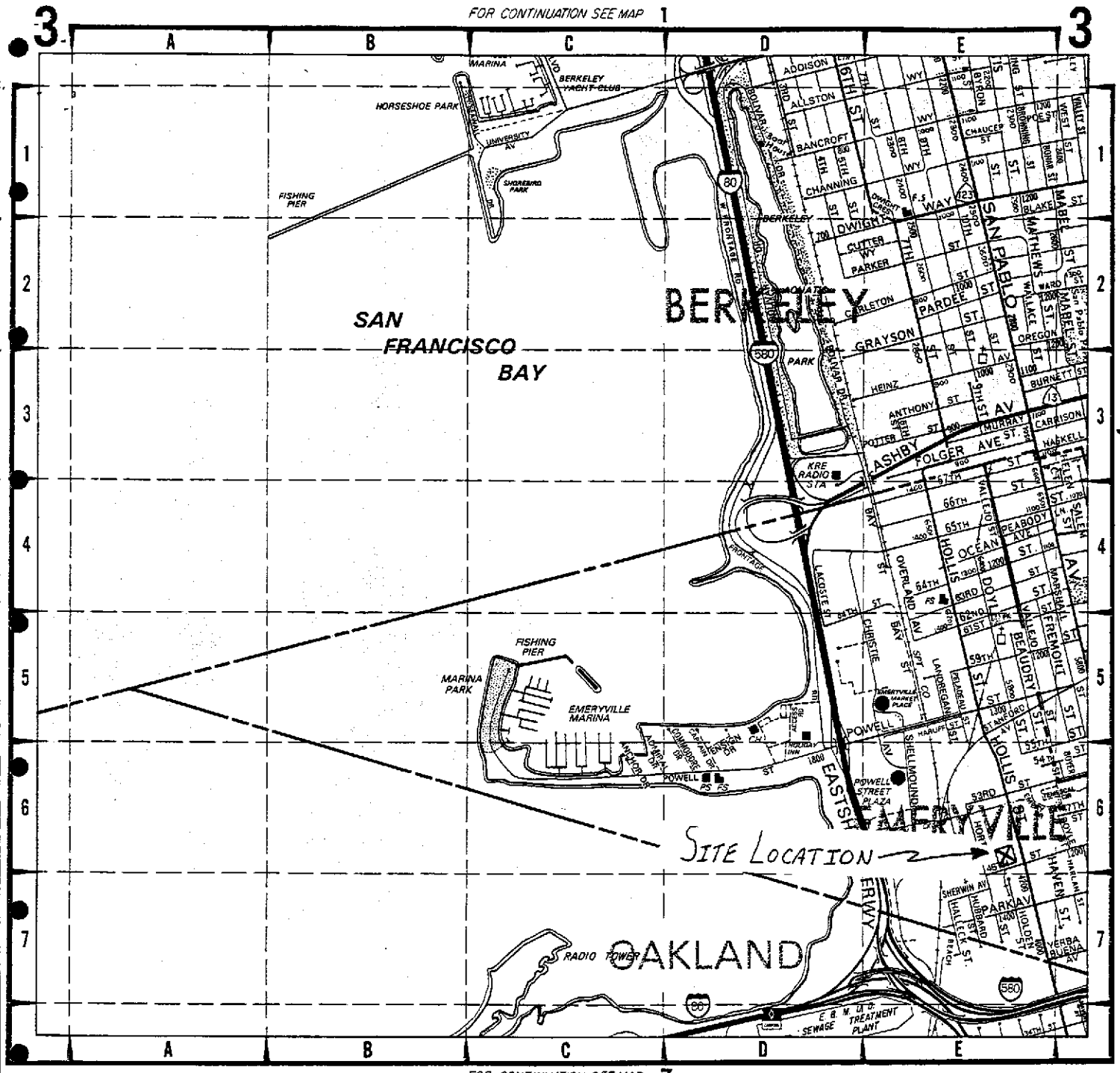
1) General Location Map

2) Detailed Site Plan- Tank Removal Soil Sample Locations, 12-22-93

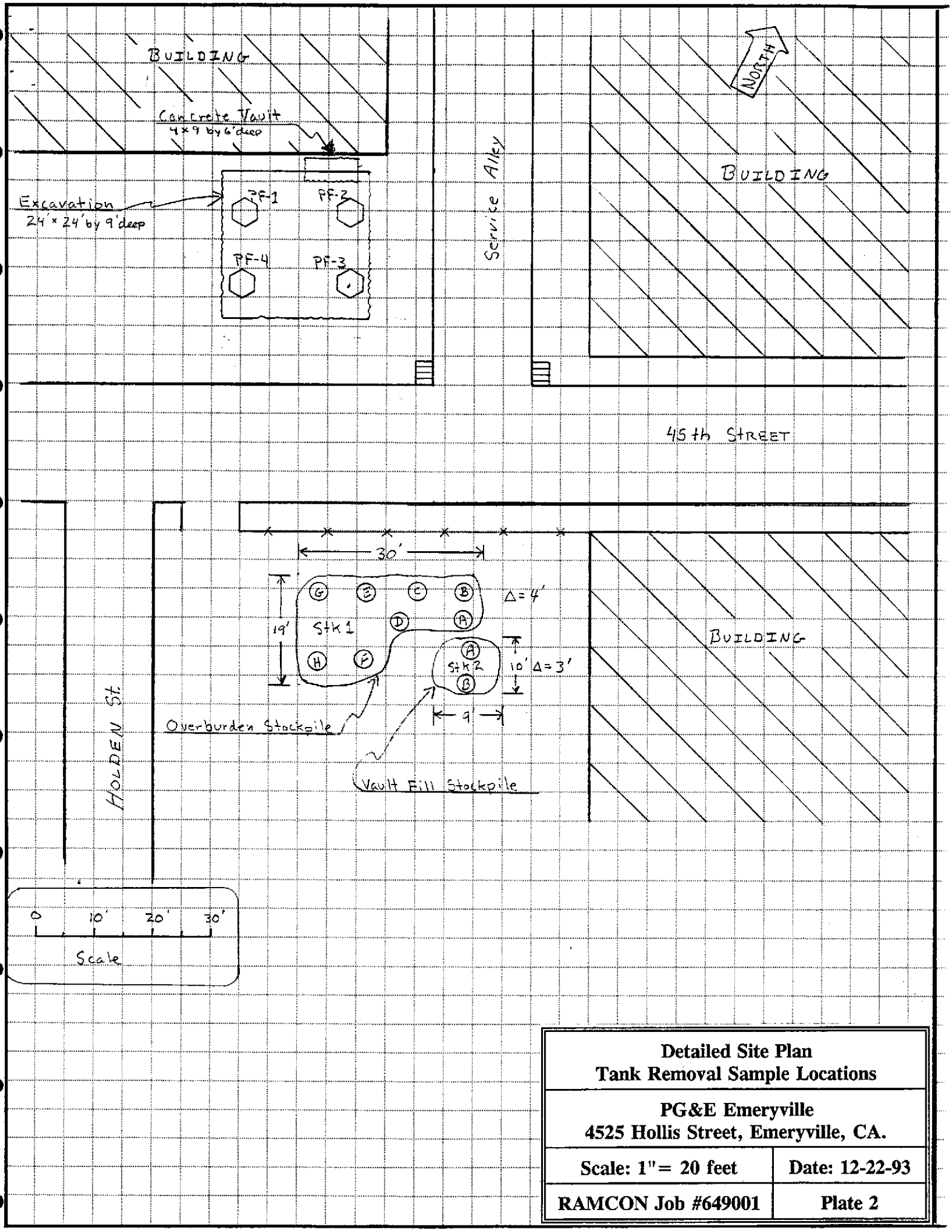
3) Detailed Site Plan- Over Ex Sample Locations, 12-29-93

Tables:

West Log #	Comments	Date
1) #8211	Tank Removal Excavation Soil Samples	12-22-93
2) #8211	Tank Removal Stockpile Soil Samples	12-22-93
3) #8252	Over Excavation Soil Samples	12-29-93
4) #8252	Over Excavation Stockpile Soil Samples	12-29-93

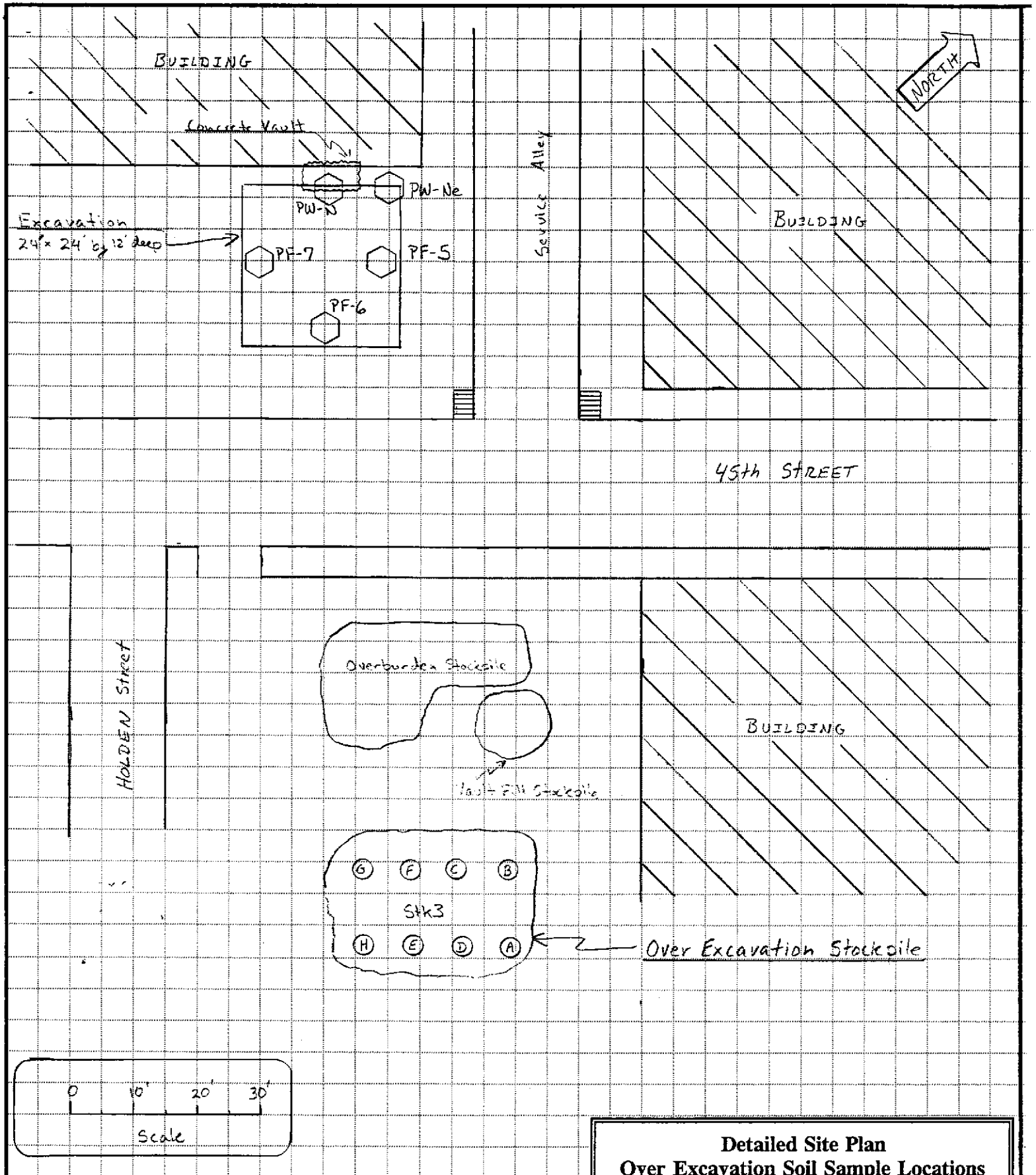


General Location Map	
PG&E Emeryville 4525 Hollis Street, Emeryville, CA.	
Scale: 1" = 2,400 feet	Date: 12-22-93
RAMCON Job #649001	Plate 1



Detailed Site Plan Tank Removal Sample Locations	
PG&E Emeryville 4525 Hollis Street, Emeryville, CA.	
Scale: 1" = 20 feet	Date: 12-22-93
RAMCON Job #649001	Plate 2

PRODUCT 206-1 NEBS Inc., Groton, Mass. 01471. To Order PHONE TOLL FREE 1-800-225-6380



Detailed Site Plan Over Excavation Soil Sample Locations	
PG&E Emeryville 4525 Hollis Street, Emeryville, CA.	
Scale: 1" = 20 feet	Date: 12-29-93
RAMCON Job #649001	Plate 3

PRODUCT 206-1 NEBS Inc., Groton, Mass. 01471. To Order PHONE TOLL FREE 1-800-225-6380

TABLE 1 ANALYTICAL SUMMARY
PG&E Emeryville
4525 Hollis Street, Emeryville, CA.

Remove two 5,000 gallon PCB Underground Storage Tanks
4 pit floor samples collected at 10 feet below grade, 12-22-93
WEST Sample Log #8211 RAMCON Job #649001

ANALYSES	Sample Number			
	PF-1	**PF-2**	**PF-3**	**PF-4**
Benzene	<.005 mg/kg	<.005 mg/kg	<.005 mg/kg	<.005 mg/kg
Toluene	" "	" "	" "	" "
Ethylbenzene	" "	" "	" "	" "
Xylene	" "	" "	" "	" "
TPH as Gasoline	<.50 mg/kg	**.97 mg/kg**	<.50 mg/kg	<.50 mg/kg
TPH as Diesel	< 10 mg/kg	**2,600 mg/kg**	<10 mg/kg	<10 mg/kg
TPH as Motor Oil	<10 mg/kg	<50 mg/kg	<10 mg/kg	**10 mg/kg**
Oil & Grease	<50 mg/kg	**2,400 mg/kg**	<50 mg/kg	<50 mg/kg
(EPA 8270)	ND	ND	ND	ND
(EPA 8010)	ND	ND	ND	ND
(EPA 8080) PCB's	ND	**1.4 mg/kg PCB 1260**	**.23 mg/kg PCB 1260**	**.17 mg/kg PCB 1260**
<u>Five Metals:</u>				
Cadmium	1.8 mg/kg	2.2 mg/kg	1.7 mg/kg	2.0 mg/kg
Chromium	51 mg/kg	44 mg/kg	41 mg/kg	51 mg/kg
Lead	<10 mg/kg	47 mg/kg	<10 mg/kg	<10 mg/kg
Nickel	73 mg/kg	110 mg/kg	61 mg/kg	61 mg/kg
Zinc	46 mg/kg	57 mg/kg	40 mg/kg	43 mg/kg

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TABLE 2 ANALYTICAL SUMMARY
PG&E Emeryville
4525 Hollis Street, Emeryville, CA.

Remove two 5,000 gallon PCB Underground Storage Tanks
3 Stockpile Composite Soil Samples, 12-22-93
WEST Sample Log #8211 RAMCON Job #649001

ANALYSES	Sample Number		
	Stk1(ABCD)	**Stk1(EFGH)**	**Stk2(AB)**
Benzene Toluene Ethylbenzene Xylene	<.005 mg/kg " " " " " "	<.005 mg/kg " " " " " "	<.005 mg/kg **0.0068 mg/kg** <.005 mg/kg **0.012 mg/kg**
TPH as Gasoline	**1.8 mg/kg ***	**3.3 mg/kg ***	**1.9 mg/kg ***
TPH as Diesel	**500 mg/kg**	**920 mg/kg**	**560 mg/kg**
TPH as Motor Oil	<10 mg/kg	<10 mg/kg	**20 mg/kg**
Oil & Grease	**420 mg/kg**	**880 mg/kg**	**770 mg/kg**
(EPA 8270)	ND	**1.0 mg/kg** **1,2,4-Trichlorobenzene**	ND
(EPA 8010)	**.2540 mg/kg** **Dichlorobenzene**	**.8200 mg/kg** **Dichlorobenzene**	**1,1 Dichloroethane (.034 mg/kg)** **1,1,1 Trichloroethene (.110 mg/kg)** **Trichloroethane (.036 mg/kg)**
(EPA 8080)	**.64 mg/kg** **PCB 1260**	**17 mg/kg** **PCB 1260**	**2.8 mg/kg** **PCB 1260**
Five Metals: Cadmium Chromium Lead Nickel Zinc	 1.9 mg/kg 51 mg/kg 37 mg/kg 220 mg/kg 41 mg/kg	 2.1 mg/kg 89 mg/kg 46 mg/kg 67 mg/kg 46 mg/kg	 2.1 mg/kg 53 mg/kg 28 mg/kg 89 mg/kg 46 mg/kg

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TABLE 3 ANALYTICAL SUMMARY
PG&E Emeryville
4525 Hollis Street, Emeryville, CA.

Over Ex Former PCB Underground Storage Tank Pit
Collect 3 pit floor samples & 2 pit wall samples, 12-29-93
WEST Sample Log #8252 RAMCON Job #649001

ANALYSES	Sample Number				
	PF-5	**PF-6**	**PF-7**	**PW-n**	**PW-ne**
Benzene	<.005 mg/kg	<.005 mg/kg	<.005 mg/kg	<.005 mg/kg	<.005 mg/kg
Toluene	" "	" "	" "	" "	" "
Ethylbenzene	" "	" "	" "	" "	" "
Xylene	" "	" "	" "	" "	" "
TPH as Gasoline	<.50 mg/kg	< .50 mg/kg	<.50 mg/kg	<.50 mg/kg	<.50 mg/kg
TPH as Diesel	**36 mg/kg**	<10 mg/kg	**41 mg/kg**	**300 mg/kg**	**210 mg/kg**
TPH as Motor Oil	<10 mg/kg	<10 mg/kg	<10 mg/kg	<10 mg/kg	<10 mg/kg
Oil & Grease	<50 mg/kg	<50 mg/kg	**80 mg/kg**	**310 mg/kg**	**90 mg/kg**
(EPA 8270)	ND	ND	ND	ND	ND
(EPA 8010)	ND	ND	ND	ND	ND
(EPA 8080)	ND	ND	ND	**.086 mg/kg PCB 1260**	**.036 mg/kg PCB 1260**
Five Metals:					
Cadmium	1.4 mg/kg	1.6 mg/kg	.99 mg/kg	1.5 mg/kg	1.4 mg/kg
Chromium	48 mg/kg	39 mg/kg	30 mg/kg	45 mg/kg	47 mg/kg
Lead	11 mg/kg	<10 mg/kg	<10 mg/kg	<10 mg/kg	<10 mg/kg
Nickel	110 mg/kg	80 mg/kg	83 mg/kg	210 mg/kg	220 mg/kg
Zinc	42 mg/kg	47 mg/kg	32 mg/kg	47 mg/kg	50 mg/kg

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TABLE 4 ANALYTICAL SUMMARY
PG&E Emeryville
4525 Hollis Street, Emeryville, CA.

Over Ex Former PCB Underground Storage Tank Pit
Collect 2 composite stockpile samples, 12-29-93
WEST Sample Log #8252 RAMCON Job #649001

ANALYSES	Sample Number	
	Stk3(ABCD)	**Stk3(EFGH)**
Benzene	<.005 mg/kg	<.005 mg/kg
Toluene	" "	" "
Ethylbenzene	" "	" "
Xylene	" "	" "
TPH as Gasoline	**<.50 mg/kg**	**<.50 mg/kg**
TPH as Diesel	**120 mg/kg**	**130 mg/kg**
TPH as Motor Oil	<10 mg/kg	<10 mg/kg
Oil & Grease	**67 mg/kg**	**320 mg/kg**
(EPA 8270)	ND	ND
(EPA 8010)	ND	ND
(EPA 8080)	**1.2 mg/kg PCB 1260**	**.46 mg/kg PCB 1260**
Five Metals:		
Cadmium	1.4 mg/kg	1.7 mg/kg
Chromium	47 mg/kg	51 mg/kg
Lead	<10 mg/kg	13 mg/kg
Nickel	220 mg/kg	69 mg/kg
Zinc	50 mg/kg	54 mg/kg

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APPENDIX 2 DOCUMENTS:

Documents:	CA. UST Permit Applications-	Form A & B, (Temp Abd)	07-31-91
	Precision Tank & Line Testing-	Two 5,000 gallon tanks	07-31-91
	2 Non-Hazardous Waste Data Forms-	10,818 gallons UST Water	12-10-93
	1 Non-Hazardous Waste Data Form-	608 gallons UST Water	12-22-93
	Certified Excavation & Shoring Plan		12-02-93
	1 Uniform Hazardous Waste Manifest-	Two 5,000 gallon UST's	12-22-93
	Certificates of Tank Destruction-	Two 5,000 gallon UST's	01-03-94
	12 Uniform Hazardous Waste Manifests-	246 Tons of Soil	01-27 & 28-94
	1 Bill of Lading-	1,800 gallons, Rinse Water	01-28-94
	1 Uniform Hazardous Waste Manifest-	PCB waste & equipment	02-01-94

copy; orig to Ramcon, cc MEB

Michelle E. Boscoe
Senior Environmental Coordinator
PG&E
4525 Hollis Street
Emeryville, CA 94608

Eric Montesano
Paradiso Construction Company
2600 Williams Street
San Leandro, CA 94577

July 21, 1993

Dear Rick:

Enclosed is the information you requested on the two UST's for which you are compiling permit applications for removal, for subsequent submittal to me. Please find a plot plan showing the location of the tanks on the property relative to property lines, structures, street intersections, and a North designation. Also enclosed are copies of blueprints showing tank fill lines, and underground piping/sewer systems; Forms A and B for each tank, and the latest (and only) precision testing results documented.

I understand that you will use this information to complete all documentation required for us to submit to the County, along with instructions on what/how to send (i.e., number of copies required, etc.). We will have checks ready to submit along with the application, for the amounts you specified.

Thank you for your prompt attention to this matter.

Michelle E. Boscoe

Michelle E. Boscoe, RHSP, REA

cc: M. Krone
G. Pforr
J. Holt
file

Re: p. 2: 2/17/24
This info. documents that UST's were precision tested in 1991; also that they were inerted & filled w/ H_2O in 1986. UST's were reused to be used for NON-PCB oil. MEB

Pacific Gas and Electric Company

1919 Webster Street
Oakland, CA 94612
415/835-8500

October 4, 1991

Ms. Susan Hugo
Hazardous Materials Specialist
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way Room 200
Oakland CA 94621

Re: PG&E, Emeryville Materials Shop
4245 Hollis Street
Emeryville, CA 94608

Dear Ms. Hugo:

The attached Underground Tank Permit applications and precision tank and line test results were requested by you during your inspection of the above referenced site. The Emeryville Materials Shop is requesting temporary closure of the two 5,000 gallons underground tanks which are filled with water.

If you have any questions about the attached information please contact Loretta Altshuler on 874-2422.

Thank you for your cooperation in this matter.

Sincerely,

Gary Fairbanks

Gary Fairbanks
Superintendent
Emeryville Materials Shop

LA:sc

Attachment

Loretta Altshuler(442-2422):sc
Loretta #2/Tankemry
File: Underground Tanks - Emeryville Shop
Permits

cc: Jerry Beitzell
Bill Utic

Attachment

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

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

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

DBA OR FACILITY NAME	NAME OF OPERATOR	
PG&E, Facilities Dept.	Gary Fairbanks	
ADDRESS	NEAREST CROSS STREET	PARCEL # (OPTIONAL)
4525 Hollis Street	45th	N/A
CITY NAME	STATE / ZIP CODE	SITE PHONE # WITH AREA CODE
Emeryville	CA 94608	(415)649-3331

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

TYPE OF BUSINESS	✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
[ ] 1 GAS STATION [ ] 2 DISTRIBUTOR [ ] 3 FARM [ ] 4 PROCESSOR [X] 5 OTHER	[ ]	2	CAD982400418

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Beitzell, Jerry	(415) 649-3335	Ed Harris	(415) 649-3325
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Beitzell, Jerry	(415) 724-7789 Pager 539-7703	Ed Harris	(707) 864-9629

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION		
PG&E, Facilities Dept.	N/A		
MAILING OR STREET ADDRESS	✓ box to indicate: [ ] INDIVIDUAL [ ] LOCAL-AGENCY [ ] STATE-AGENCY		
4525 Hollis Street	[X] CORPORATION [ ] PARTNERSHIP [ ] COUNTY-AGENCY [ ] FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
Emeryville	CA	94608	(415) 649-3331

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION		
PG&E, Facilities Dept.	N/A		
MAILING OR STREET ADDRESS	✓ box to indicate: [ ] INDIVIDUAL [ ] LOCAL-AGENCY [ ] STATE-AGENCY		
4525 Hollis Street	[X] CORPORATION [ ] PARTNERSHIP [ ] COUNTY-AGENCY [ ] FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
Emeryville	CA	94608	(415) 649-3331

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 739-2582 if questions arise.

TY (TK) HQ 44-032126

V. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

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

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

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE MONTH/DAY/YEAR
Gerald J. Beitzell	Foreman	7/31/91

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #

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

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

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

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

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: PG&E, Facilities Dept.

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # N/A	B. MANUFACTURED BY: unknown
C. DATE INSTALLED (MO/DAY/YEAR) 12/18/24	D. TANK CAPACITY IN GALLONS: 5,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. [ ] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [X] 4 OIL [ ] 80 EMPTY [ ] 95 UNKNOWN

B. [X] 1 PRODUCT [ ] 2 WASTE

C. [ ] 1a REGULAR UNLEADED [ ] 1b PREMIUM UNLEADED [ ] 2 LEADED [ ] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [X] 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED Non PCB Transformer Oil C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D

A. TYPE OF SYSTEM: [ ] 1 DOUBLE WALL [X] 2 SINGLE WALL [ ] 3 SINGLE WALL WITH EXTERIOR LINER [ ] 4 SECONDARY CONTAINMENT (VAULTED TANK) [ ] 95 UNKNOWN [ ] 99 OTHER

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

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

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

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: (A) (U) 1 SUCTION; A U 2 PRESSURE; A U 3 GRAVITY; A U 99 OTHER

B. CONSTRUCTION: A (U) 1 SINGLE WALL; A U 2 DOUBLE WALL; A U 3 LINED TRENCH; A U 95 UNKNOWN; A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL; A U 2 STAINLESS STEEL; A U 3 POLYVINYL CHLORIDE (PVC); A U 4 FIBERGLASS PIPE; A U 5 ALUMINUM; A U 6 CONCRETE; A U 7 STEEL W/ COATING; A U 8 100% METHANOL COMPATIBLE W/FRP; A U 9 GALVANIZED STEEL; A U 10 CATHODIC PROTECTION; A (U) 95 UNKNOWN; A U 99 OTHER

D. LEAK DETECTION: [ ] 1 AUTOMATIC LINE LEAK DETECTOR [ ] 2 LINE TIGHTNESS TESTING [ ] 3 INTERSTITIAL MONITORING [X] 99 OTHER None-underground Visual-Aboveground

V. TANK LEAK DETECTION

[ ] 1 VISUAL CHECK [X] 2 INVENTORY RECONCILIATION [ ] 3 VAPOR MONITORING [ ] 4 AUTOMATIC TANK GAUGING [ ] 5 GROUND WATER MONITORING [ ] 6 TANK TESTING [ ] 7 INTERSTITIAL MONITORING [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) 1980	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 0 GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES [X] NO [ ]

W

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

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
Gerald J. Beitzell Gerald J. Beitzell	7-31-91

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

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

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

FORM B (9-90) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R4

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

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

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: PG&E, Facilities Dept.

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # N/A

B. MANUFACTURED BY: unknown

C. DATE INSTALLED (MO/DAY/YEAR) 12/18/24

D. TANK CAPACITY IN GALLONS: 5,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. [ ] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [X] 4 OIL [ ] 80 EMPTY [ ] 95 UNKNOWN

B. [X] 1 PRODUCT [ ] 2 WASTE

C. [ ] 1a REGULAR UNLEADED [ ] 1b PREMIUM UNLEADED [ ] 2 LEADED [ ] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [X] 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED Non PCB Transformer Oil C. A. S. # :

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

C. INTERIOR LINING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [ ] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [X] 6 UNLINED [ ] 95 UNKNOWN [ ] 99 OTHER

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

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

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B. CONSTRUCTION A (U) 1 SINGLE WALL; A U 2 DOUBLE WALL; A U 3 LINED TRENCH; A U 95 UNKNOWN; A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL; A U 2 STAINLESS STEEL; A U 3 POLYVINYL CHLORIDE (PVC); A U 4 FIBERGLASS PIPE; A U 5 ALUMINUM; A U 6 CONCRETE; A U 7 STEEL W/ COATING; A U 8 100% METHANOL COMPATIBLE W/FRP; A U 9 GALVANIZED STEEL; A U 10 CATHODIC PROTECTION; A (U) 95 UNKNOWN; A U 99 OTHER

D. LEAK DETECTION: [ ] 1 AUTOMATIC LINE LEAK DETECTOR [ ] 2 LINE TIGHTNESS TESTING [ ] 3 INTERSTITIAL MONITORING [X] 99 OTHER None-Underground Visual-Aboveground

V. TANK LEAK DETECTION

[ ] 1 VISUAL CHECK [X] 2 INVENTORY RECONCILIATION [ ] 3 VAPOR MONITORING [ ] 4 AUTOMATIC TANK GAUGING [ ] 5 GROUND WATER MONITORING [ ] 6 TANK TESTING [ ] 7 INTERSTITIAL MONITORING [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) 1980

2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 0 GALLONS

3. WAS TANK FILLED WITH INERT MATERIAL ? YES [X] NO [ ]

Wa

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

APPLICANT'S NAME (PRINTED & SIGNATURE) Gerald J. Beitzell Gerald J. Beitzell DATE 7/31/91

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

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

PERMIT NUMBER | PERMIT APPROVED BY/DATE | PERMIT EXPIRATION DATE

FORM B (9-90) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R4

Remit To:
Associated Environmental Systems
Accounting Department
P.O. Box 2449
No. Hollywood, CA 91602

(805) 393-2212

BILLING ORDER 8/1/91 INVOICE NUMBER 14598

INVOICE ADDRESS:	TANK LOCATION: RECEIVED AUG 5 1991	TAKEN BY:
Pacific Gas & Electric 1919 Webster Street Oakland, CA 94612	P G & E 4245 Hollis Emeryville, CA	TECHNICIAN: BWH COUNTY: AL CO. NOTIFIED: YES P.O.#:
CONTACT: Loretta Altshuler	CONTACT: Jerry Bietzell	TEST DATE: 07/31/91
PHONE: 415-874-2422	PHONE:	TEST TIME: 0700

TANK	SIZE	PRODUCT	INFORMATION
1	5K	H20	
2	5K	H20	
3			CONTRACT ZS 2373011
4			
5			
6			

	#	$ PER TANK	TOTAL	NOTES
PRECISION TANK TEST	1			
SECOND TANK	1			
PER DIEM	1			

pd
8/5/91

TOTAL DUE

IN THE EVENT AN ACTION IS BROUGHT BY AES, INC. FOR THE COLLECTION OF SUMS DUE, REASONABLE ATTORNEY'S FEES AND COSTS SHALL BE PAID IN ADDITION TO THE SUM DUE. ACCOUNTS ARE DUE, NET UPON RECEIPT. ALL UNPAID BALANCES ARE SUBJECT TO A 1 1/2% SERVICE CHARGE. OUR SERVICE CHARGE IS FIXED AT 1 1/2% PER MONTH WHICH IS AN ANNUAL RATE OF 18%.

INDEMNITY

BOTH THE CUSTOMER AND AES, INC. ACKNOWLEDGE THAT THE SUBJECT EQUIPMENT OF THIS TEST INCLUDES EXTREMELY COMPLEX MEASUREMENT TECHNIQUES WHICH TO A LARGE EXTENT RELY ON GENERALLY ACCEPTED STATISTICAL COMPUTATIONS. EACH MEASUREMENT MADE BY THE SUBJECT EQUIPMENT, THEREFORE, IS MADE IN ACCORDANCE WITH ACCEPTED STATISTICAL AVERAGING TECHNIQUES WHICH DO NOT COMPENSTAE FOR EACH STATISTICAL VARIABLE. AES, INC., THEREFORE, MAKES NO WARRANTIES OTHER THAN WARRANTIES OF OPERABILITY OF THE SUBJECT EQUIPMENT SUCH WARRANTY BEING LIMITED TO THE COST OF REPLACEMENT OR REPAIR OF THE SUBJECT EQUIPMENT. CUSTOMER SHALL INDEMNIFY AND HOLD HARMLESS AES, INC. AGAINST ALL CLAIMS AND CAUSES ARISING OUT OF OR RESULTING FROM ANY TANK LEAKAGE THAT MAY OR MAY NOT HAVE BEEN SENSED OR REGISTERED BY THE SUBJECT EQUIPMENT AND UPON NOTICE FROM AES, INC. SHALL APPEAR, DEFEND, PROSECUTE AND/OR CONDUCT OR CAUSE SAME TO BE DONE ON BEHALF OF AES, INC., AND SHALL PAY, SATISFY, AND/OR HOLD HARMLESS AES, INC. AGAINST ANY JUDGMENT RESULTING THEREFROM.

TECH. SIGNATURE: _____ CUSTOMER SIGNATURE: _____

DATE: _____ DATE: _____

Associated Environmental Systems, Inc.

P.O. Box 3[illegible]
Bakersfield, CA 933[illegible]
(805) 392-[illegible]

PRECISION TANK & LINE TEST RESULTS

Invoice Address:

PACIFIC GAS & ELECTRIC
[illegible] WEBSTER ST.
OAKLAND, CA. 9461[illegible]

Tank Location:

P G & E
4345 HOLLIS
EMERYVILLE, CA.

W.O.#: [illegible]

I.D. Number: N/A
Technician: [illegible]
Tech.#: 09142 Van#: [illegible]

Date: [illegible] Time Start: 07:00 End: 11:00 County: AL
Facility Phone#:
Contact: [illegible] BIETELL
Groundwater Depth: 10'+ Blue Prints: N/A
Date;Time system was filled: 24 HRS.+

Tank	Tank Capacity	Product	Tank	Fill/Vent Vapor Lines	Product Line	Type Of Vapor Recovery	Inches of Water/Tank	Pump Type	Tank Materia.
1	8K	UNL	PASS	PASS	PASS	1	10"	SUCT.	STL
2	8K	UNL	PASS	PASS	PASS	1	10"	SUCT.	STL

Additional Information:

SITE LOG	TIME
Set Up Equip:	07:30
Bled Product Lines:	07:30
Bled Vapor Lines:	N/A
Bled Vent lines:	N/A
Bled Turbine:	N/A
Bled Suction Pump:	07:30
Risers Installed:	N/A

a) This system and method meets the criteria set forth in NFPA #329.
b) Any failure listed above may require further action, check with all regulatory agencies.

[illegible] Form [illegible] T.T.L. Number [illegible]

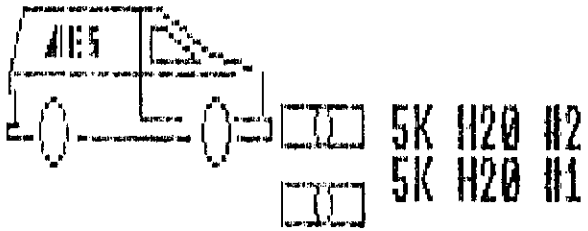
7-13-91

ASSOCIATED ENVIRONMENTAL SYSTEMS

P G & E OFFICES

N

4245 HOLLIS



ELECTRIC SHOP B

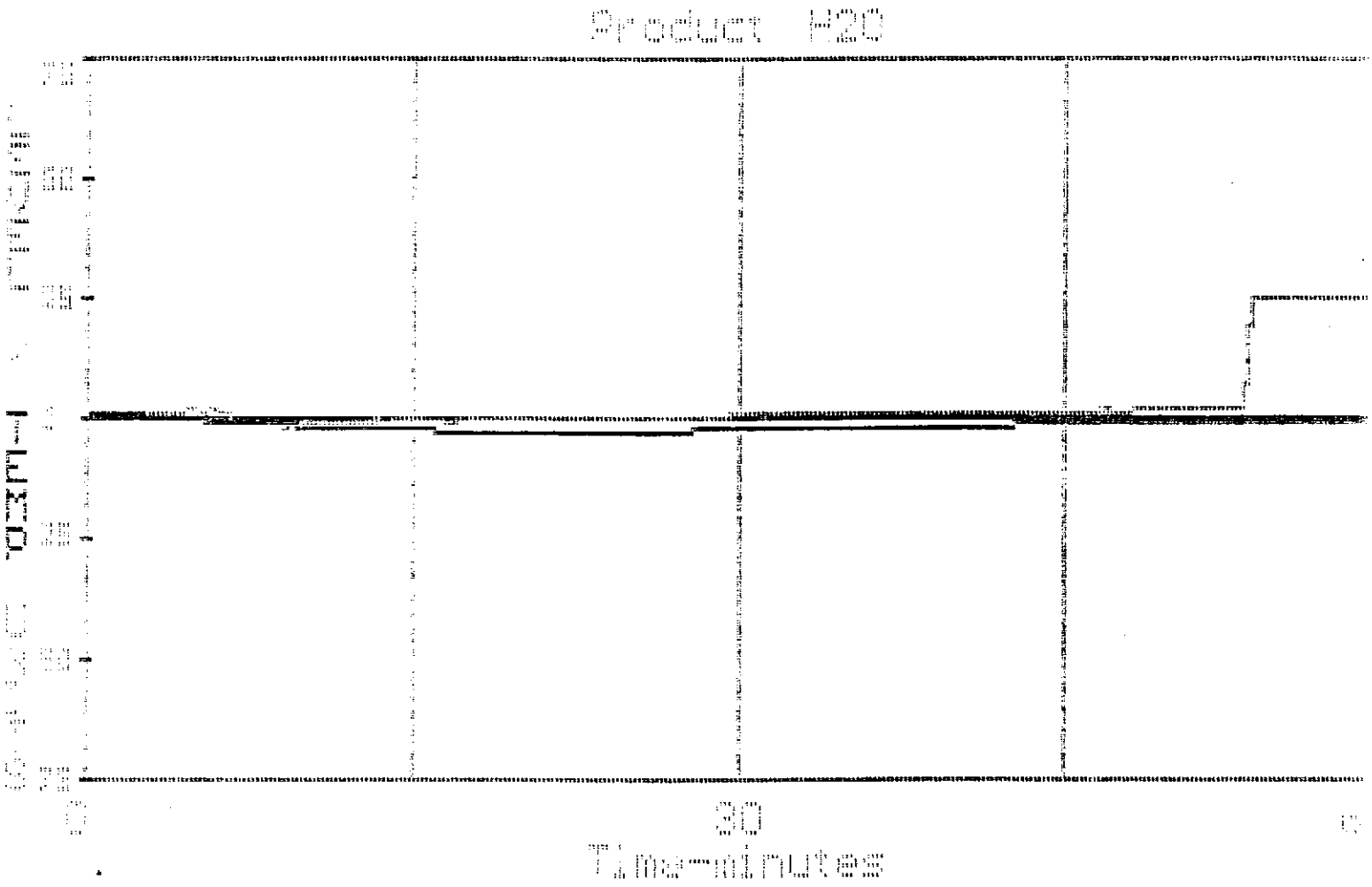
WO.#14598

Site Layout For : P G & E EMERYVILLE, CA.

AES/System II Precision Leak Test

P.O. Box 80427 Bakersfield, CA 93380 (805) 393-2212

Invoice No.: [illegible] Date: 07/31/92 Time : 08:12:14
Technician: SW Tank: 2 Tank Diameter(in): 96
Volume(gal): 2000 Grade Level(in): 106 Product Level(in): 102
Water Level On Tank(in): 0
Specific Gravity: 1 Coefficient Of Expansion: 4.0
Calibration Value(ml): 169 Channel: 3
Level Segment From: 1 To 250 Temp Segment From: 1 To 300



Change In Calibration Zone = 116
Starting Temperature (F): 76.183
Surface Area(sq. in): 7.3

Calibration Unit(gal/unit) = 0.00042
Head Pressure(col/in (Btm)): 105.0
Temp. Change(F/h) : -0.007

Level volume(gph): 0.00
Temp. volume(gph): 0.00
Net change(gph) : 0.00

Product Line(gph):

Result ---> P/L --->

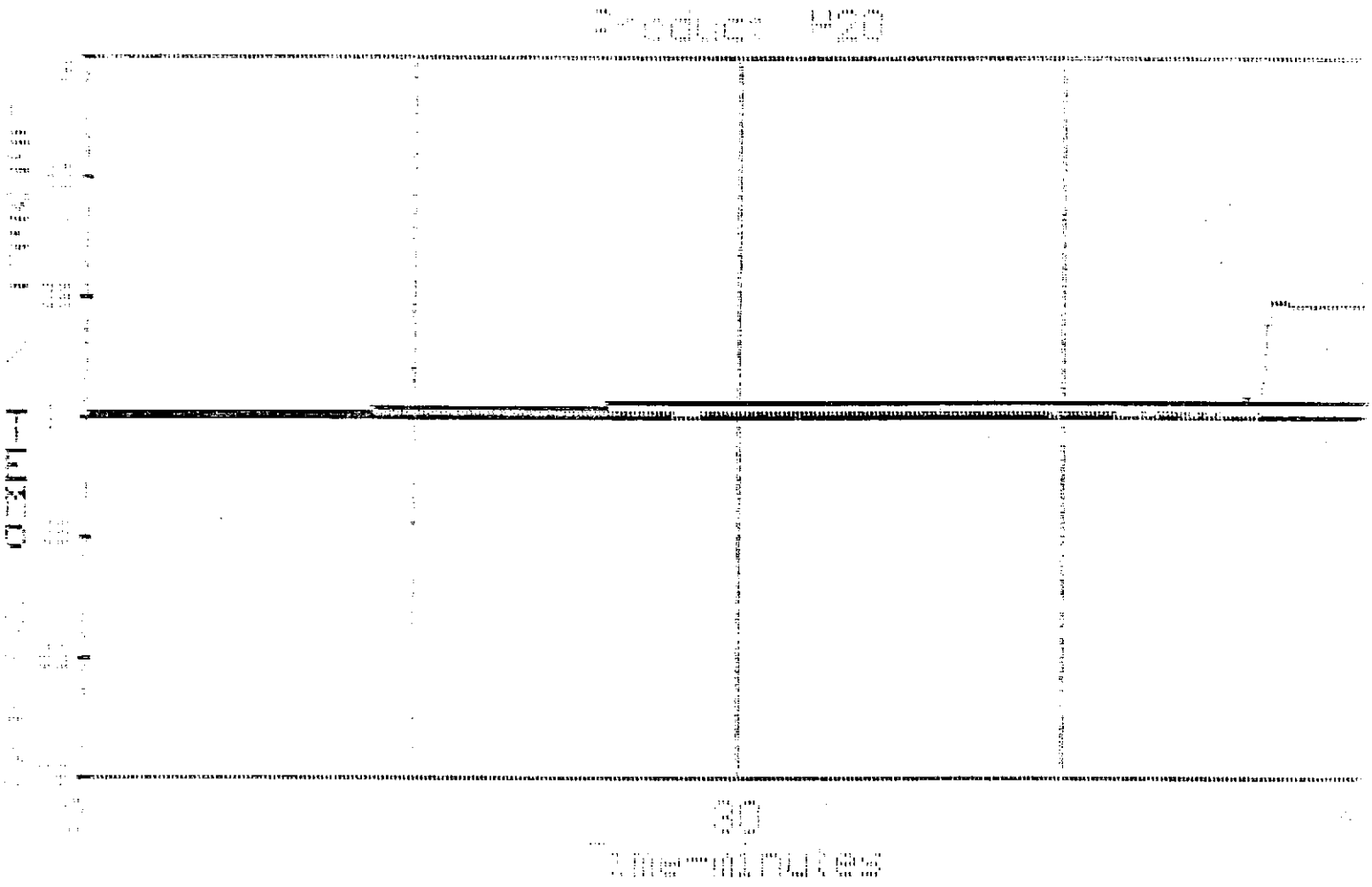
** Notes **

[illegible] ALL LINES ARE FLOODED AND PLUGGED

AES/System II Precision Leak Test

[illegible] (805) [illegible]

Invoice No.: [illegible] Date: [illegible] Time : [illegible]
Technician: BAR Tank: 2 Tank Diameter(in): 96
Volume(gal): [illegible] Grade Level(in): 106 Product Level(in): [illegible]
Water Level On Tank(in): 0
Specific Gravity: [illegible] Coefficient Of Expansion: [illegible]
Calibration Value(ml): 169 Channel: 3
Level Segment From: 1 To 360 Temp Segment From: 1 To 360



Change In Calibration Zone = 117
Starting Temperature (F): 75.848
Surface Area(sq. in): [illegible]

Level volume(gph): 0.00
Temp. volume(gph): [illegible]
Net change(gph) : 0.00

Calibration Unit(gal/unit) = [illegible]
Head Pressure(col/in (Btm)): 105.0
Temp. Change(F/h) : 0.148

Product Line(gph): SUCT.

Result ---> PASS P/L ---> PASS

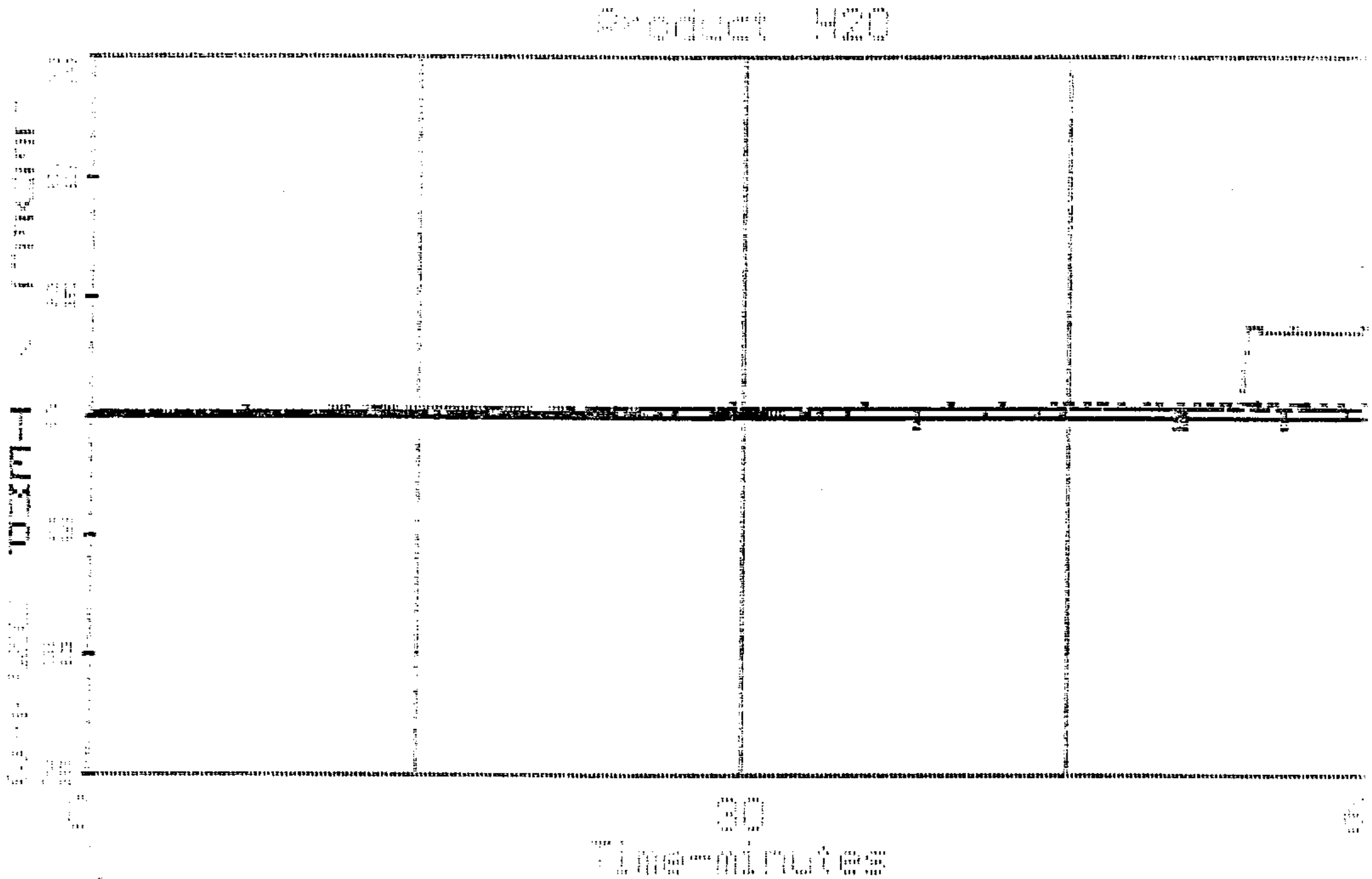
** Notes **

[illegible]

AES/System II Precision Leak Test

P.O. Box [illegible] Bakersfield, CA 9[illegible] (805) 393-2212

Invoice No.: [illegible] Date: 07/21/92 Time : 06:[illegible]
Technician: [illegible] Tank: [illegible] Tank Diameter(in): [illegible]
Volume(gal): [illegible] Grade Level(in): 107 Product Level(in): [illegible]
Water Level On Tank(in): [illegible]
Specific Gravity: [illegible] Coefficient Of Expansion: 0.[illegible]
Calibration Value(ml): [illegible] Channel: 1
Level Segment From: 1 To [illegible] Temp Segment From: 1 To 300



Change In Calibration Zone = 81
Starting Temperature (F): 69.529
Surface Area(sq. in): 10.5

Calibration Unit(gal/unit) = 0.00061
Head Pressure(col/in (Btm)): 105.0
Temp. Change(F/h) : 0.010

Level volume(gph): 0.00
Temp. volume(gph): 0.00
Net change(gph) : 0.00
==========

Product Line(gph):

Result --> P/L -->

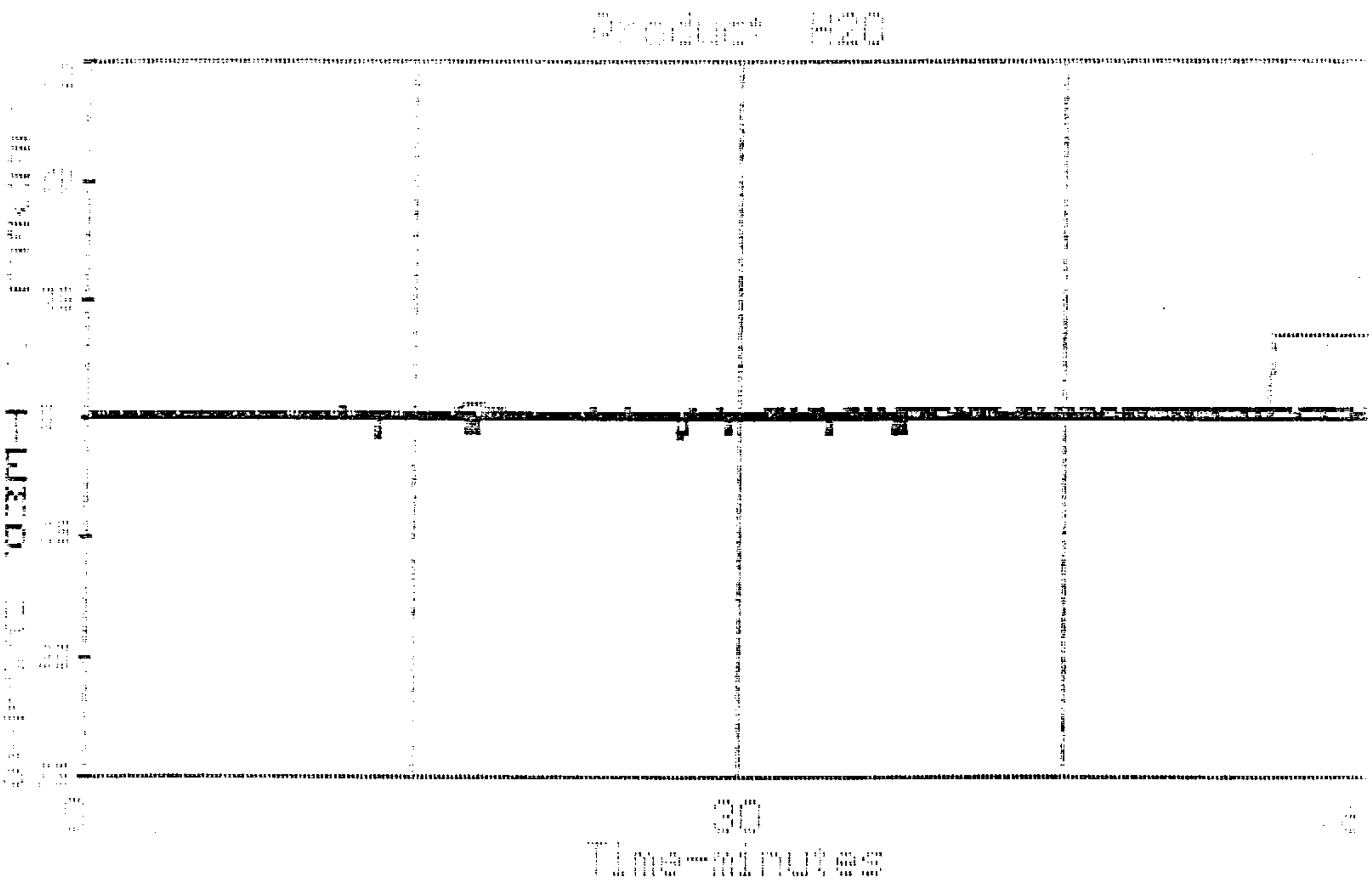
** Notes **

P G & E [illegible] EMERYVILLE, CA.
[illegible] LEVEL TEST [illegible]. ALL LINES FLOODED AND INCLUDED.

?RES/System II Precision Leak Test

[illegible]

Invoice No.: [illegible] Date: [illegible] Time : [illegible]
Technician: [illegible] Tank: 1 Tank Diameter(in): [illegible]
Volume(gal): [illegible] Grade Level(in): 107 Product Level(in): [illegible]
Water Level On Tank(in): 0
Specific Gravity: [illegible] Coefficient Of Expansion: [illegible]
Calibration Value(ml): [illegible] Channel: 1
Level Segment From: 1 To [illegible] Temp Segment From: 1 To [illegible]



Change In Calibration Zone = 81
Starting Temperature (F): 69.602
Surface Area(sq. in): 10.5

Calibration Unit(gal/unit) = 0.00061
Head Pressure(col/in (Btm)): 105.0
Temp. Change(F/h) : 0.006

Level volume(gph): 0.00
Temp. volume(gph): 0.00
Net change(gph) : 0.00
==========

Product Line(gph): SUCT.

Result ---> PASS   P/L ---> PASS

** Notes **

[illegible] HOLLIS EMERYVILLE, CA.
THIS IS A [illegible] LEVEL TEST WITH A 1X-CAL. ALL LINES ARE FLOODED AND INCLUDED.
[illegible]

AGREEMENT

This agreement is entered into this 14 day of NOVEMBER, 1986 between Pacific Gas & Electric Company and Emeryville Fire Department regarding transformer oil storage tanks located on PG&E's property at 4525 Hollis Street, Emeryville, California, which is the transformer repair facility.

WHEREAS, the City of Emeryville policy is to remove all abandoned underground storage tanks unless located under a building; and

WHEREAS, the Emeryville Fire Department has determined, that removal of two abandoned underground storage tanks located directly beneath two above ground storage tanks in use at the present time for transformer oil storage, will impose a hardship on Pacific Gas & Electric Company in its ability to continue the repairing of transformers.

NOW, THEREFORE, the Emeryville Fire Department does hereby agree to allow Pacific Gas & Electric Company to fill the aforementioned abandoned underground storage tanks with water under the following conditions:

I. Pacific Gas & Electric Co. agrees to the following:

Tanks are to be pumped completely free of product and then are to be filled and be kept completely filled with non-toxic water until tanks are removed (not to exceed ten (10) years).

II. Pacific Gas & Electric Co. shall remove both the underground and above ground storage tanks upon the earliest of the following events:

1. At such time as the above ground storage tanks are no longer needed in the process of transformer repair; or

2. Prior to the sale of the property on which the tanks are located.

3. Ten (10) years from the date of this agreement.

Dated: Nov. 14, 1986

PACIFIC GAS & ELECTRIC COMPANY

Charles Coombes
Representative

EMERYVILLE FIRE DEPARTMENT

Ramon Vittori
Fire Chief

ERICKSON
255 Parr Boulevard, Richmond, California 94801
(510) 235-1393 • FAX (510) 235-3709

№ 2814

649001

NON-HAZARDOUS WASTE DATA FORM

Profile 16715

TO BE COMPLETED BY GENERATOR

NAME P G + E EPA I.D. NO. CAD981241004 18

ADDRESS 4525 Hollis St. PHONE NO. 510 649-3310

CITY, STATE, ZIP Emeryville, CA.

CONTAINERS: No. 4E57 VOLUME 5400 GALS WEIGHT

TYPE: [X] TANK TRUCK [ ] DUMP TRUCK [ ] DRUMS [ ] CARTONS [ ] OTHER

WASTE DESCRIPTION OILY WATER GENERATING PROCESS U/G TANK REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. INSULATING OIL		1-5%	5.		
2. WATER		95-99%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ [ ] SOLID [X] LIQUID [ ] SLUDGE [ ] SLURRY [ ] OTHER

HANDLING INSTRUCTIONS

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JONATHON G. PFORR 12/10/93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Erickson INC. EPA I.D. NO. CADO09466392

ADDRESS 255 Parr Blvd. SERVICE ORDER NO.

CITY, STATE, ZIP Richmond, CA. 94801 PICK UP DATE 12/10/93

PHONE NO. 510 235-1393

413407
TRUCK, UNIT, I.D. NO. 1024/4E57

PAUL L Rote Paul L Rote 12/10/93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Gibson Pilot EPA I.D. NO. CADO43260702

ADDRESS 475 Seaport Blvd. DISPOSAL METHOD [ ] LANDFILL [X] OTHER Recycle

CITY, STATE, ZIP Redwood City, CA 94604

PHONE NO. 415 368-5511

SHAWN RAGLIN Shawn Raglin 12-10-93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L	A	TONS	
TRANS		S	B		
C/O		RT/CD		HWDF NONE	

DISCREPANCY

GOR. 4543.

CP6067

ERICKSON
256 Parr Boulevard, Richmond, California 94801
(510) 235-1393 • FAX (510) 235-3709

№ 2813

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

PROFILE 16715

NAME PG&E EPA I.D. NO. CAD981240004 H8

ADDRESS 4525 Hollis St. PHONE NO. 510/649-3310

CITY, STATE, ZIP Emeryville, CA

CONTAINERS: No. 3E43 VOLUME 5,418 GAL's WEIGHT

TYPE: ☒ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER U/G TANK TANK REMOVAL

WASTE DESCRIPTION OILY WATER GENERATING PROCESS U/G TANK REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. INSULATING OIL		1-5%	5.		
2. WATER		95-99%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JONATHON G. PEARS 12/10/93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME ERICKSON, INC. EPA I.D. NO. CAD009466392

ADDRESS 255 Parr Blvd. SERVICE ORDER NO.

CITY, STATE, ZIP Richmond Calif. 94801 PICK UP DATE 12/10/93

PHONE NO. 510/235-1393

TRUCK, UNIT, I.D. NO. 1-008+3E43

ALFRED M. DAVIS Alfred M. Davis 12/10/93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME GIBSON PILOT EPA I.D. NO. CAD043226792

ADDRESS 475 Sea Port Blvd. DISPOSAL METHOD ☐ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP Redwood City Calif 94604

PHONE NO. 415/368-5511

SHAWN RAGLIN Shawn Raglin 12-10-93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GON.545.

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	

ERICKSON
255 Parr Boulevard, Richmond, California 94801
(510) 235-1393 • FAX (510) 235-3709

№ 2589

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME P G & E

ADDRESS 4525 HOLLIS

EPA I.D. NO. CAD014312607012

CITY, STATE, ZIP EMERYVILLE, CA 94608

PHONE NO. 510 649-3310

CONTAINERS: No. 01 VOLUME 608 G WEIGHT

TYPE: ☒ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION NON HAZ PETROLEUM (OIL) CONT. WATER

GENERATING PROCESS TANK PURGE

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. OIL		1-5%	5.		
2. WATER		95.99%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS USE APPROPRIATE SAFETY GEAR WHEN HANDLING

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Teresa Stephens — 12-22-93
TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME ERICKSON, INC.

EPA I.D. NO. CAD010041666 3912

ADDRESS 255 PARR BLVD

SERVICE ORDER NO. 53696

CITY, STATE, ZIP RICHMOND, CA.

PICK UP DATE 12-22-93

PHONE NO. 510 235-1393

TRUCK, UNIT, I.D. NO. 40947

RICK PULLAITHAI — 12-22-93
TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME GIBSON PILOT

EPA I.D. NO. CAD074321607012

ADDRESS 475 SEAPORT BLVD.

DISPOSAL METHOD ☐ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP REDWOOD CITY, CA. 94063

PHONE NO. (415) 368-5511

16715

Mike Heald — 12/22/93
TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GOR 4603

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HWDF NONE

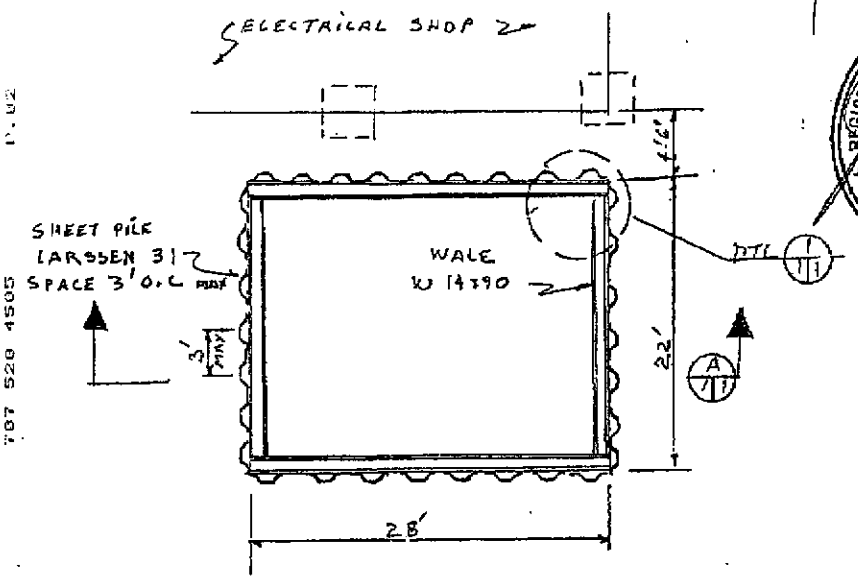
DISCREPANCY

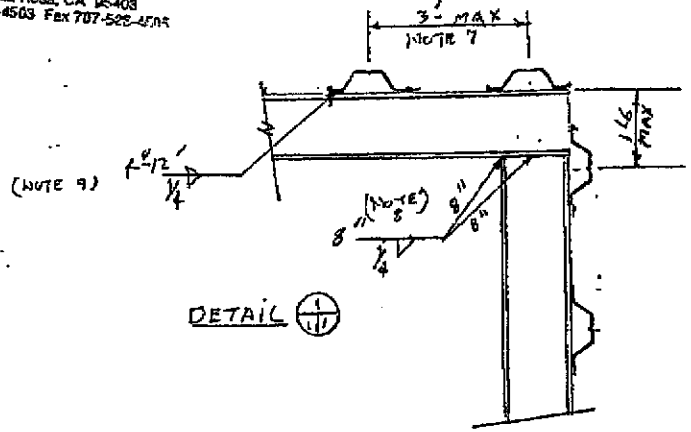
SHEET 1 OF 1

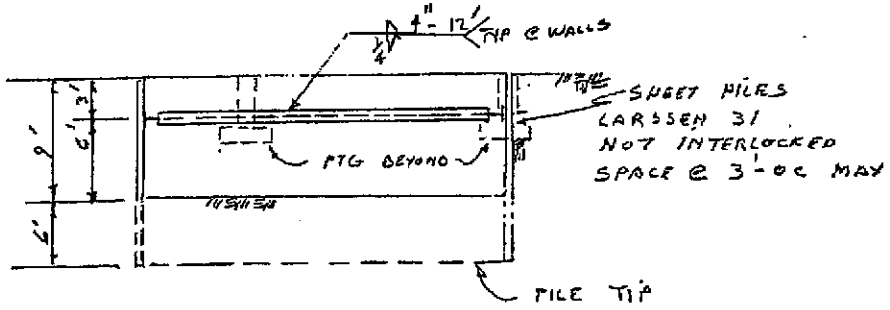
EXCAVATION & SHORING PLAN
PG&E EMERYVILLE SITE
RAMCON EEC INC.
J7 12-2-93

REGISTERED PROFESSIONAL ENGINEER
JOE TURNER
No. 37334
Exp. 3/96
CIVIL
STATE OF CALIFORNIA

J.M. TURNER ENGINEERING
136 A Wikiup Drive
Santa Rosa, CA 95403
707-528-4503 Fax 707-528-4505







NOTES: 1) SHEET PILES TO BE ASTM A328 MIN F_y = 38.5 KSI

2) STEEL BEAMS TO BE ASTM A36, MIN F_y = 36 KSI

3) USE E70XX ELECTRODES

4) PLACE & WELD WALES PRIOR TO EXCAVATING MORE THAN 2' BELOW WALER LOCATION.

5) PROVIDE ACCESS & BARICADING PER OSHA

6) CONTRACTOR AGREES TO INSTALL SHORING IN ACCORDANCE WITH THIS PLAN.

7) IF SLOUGHING OR RAVELING OCCURS BETWEEN PILES CLOSER SPACING IS REQ'D.

8) A BOLTED CONNECTION USING A MINIMUM OF +- 3/4" BOLTS MAY BE USED

9) WALERS MAY BE CHAINED UP TO PILES IN LIEU OF WELDING

TURNER/PHILLIPS 707 528 4505 P.02

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94) 83666
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6. 82dbf

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD043260702 — Manifest Document No. 45142
2. Page 1 of 1
Information in the shaded areas is not required by Federal law. 64900

3. Generator's Name and Mailing Address: Pacific Gas + Electric, 4525 Hollis Street

4. Generator's Phone (510) 649-3310 Emeryville, Ca. 94608

5. Transporter 1 Company Name: Erickson Inc.
6. US EPA ID Number: CAD009946392

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

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

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid.	002	T P	10000	P
b.				
c.				
d.				

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around U.G.S.T.'s 24 Hr. Contact Name GARY PFORR & Phone (510) 630-1659 (Pager)

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

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

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
JONATHON G. PFORR		12	22	93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Steve Fleming	Steve Fleming	12	22	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

TRANSPORTER

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
DAVID SATO	DAVE SATO	12	22	93

FACILITY

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

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (7/92)
EPA 8700—22

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

DAY OR NIGHT TELEPHONE (510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 21999

CUSTOMER RAMCON 649001

JOB NO. 83666

FOR: Erickson, Inc. TANK NO. 12748

LOCATION: Richmond DATE: 01/03/94 TIME: 07:29:25

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT D

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

TANK SIZE 5000 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%

LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY."

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

STANDARD SAFETY DESIGNATION

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

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

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

REPRESENTATIVE _____ TITLE _____ INSPECTOR _____

CP599

DAY OR NIGHT TELEPHONE (510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 21776

CUSTOMER RAMCON 64900

JOB NO. 83666

FOR: Erickson, Inc. TANK NO. 12747

LOCATION: Richmond DATE: 01/04/94 TIME: 10:16:59

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT D

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

TANK SIZE 5000 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%

LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY."

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

STANDARD SAFETY DESIGNATION

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

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

REPRESENTATIVE _____ TITLE _____ INSPECTOR _____

CP599

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

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD982461113 | Manifest Document No.: 56616
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address:
Pacific Gas & Electric
4525 Hollis Street
Emeryville, Ca 94608

4. Generator's Phone (510) 649-3315

A. State Manifest Document Number: 90415660
B. State Generator's ID: HYH0356008798

5. Transporter 1 Company Name: DILLARD
6. US EPA ID Number: CAD981169809
C. State Transporter's ID: 477199
D. Transporter's Phone: 1-800-675-1011

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

9. Designated Facility Name and Site Address:
Chemical Waste Management - Kettleman Hills
35251 Old Sky Line Road - Kettleman City, Ca 93239
10. US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209) 386-9711

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Environmentally Hazardous Substance Solid N.OS. Polychlorinated Biphenyls ~~Hazard Class 9, I?D. UN3077, Packing Group III~~	001	DT	01320	Y	State 261 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
PROFILE NO -BB 5301
SOIL CONTAINING LESS THAN 49 PPM PCB'S

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

15. Special Handling Instructions and Additional Information
EMERGENCY 24 HOUR # (800) 765-8713

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

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

Printed/Typed Name	Signature	Month Day Year
WENDY EASLEY	Wendy Easley	01 27 94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Tom Pinman	Tom Pinman	01 27 94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
NA		

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month Day Year

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0400

State of California—Health and Welfare Agency
Form Approved OMB No. 2060—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
CA D 9 8 2 4 0 0 4 1 1 8	5 7 1 2 9		

3. Generator's Name and Mailing Address
Pacific Gas & Electric
4525 Hollis Street
Emeryville, CA 94608

4. Generator's Phone (510) 649-3315

A. State Manifest Document Number 90415729

B. State Generator's ID HY 6 3 6 0 0 8 7 9 8

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID	D. Transporter's Phone
Dillard Trucking	CA D 9 8 1 6 9 7 8 4	427700	(510) 634-6858

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

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility's ID	H. Facility's Phone
Chemical Waste Management - Kettleman Hills 35251 Old Sky Line Road - Kettleman City, CA 93239	CA T 0 0 0 6 4 6 1 1 7	CA T 0 0 0 6 4 6 1 1 7	(209) 386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Environmentally Hazardous Substance Solid N.O.S. Polychlorinated Biphenyls Hazard Class 9, I.D. UN3077, Packing Group III	0 0 1	D T	0 0 1 2 2	T	State 261 EPA/Other N/A
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
PROFILE NO - BB 5301
SOIL CONTAINING LESS THAN 49 PPM PCB'S

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

15. Special Handling Instructions and Additional Information
EMERGENCY @ HBUHR #(800) 765-8713

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

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Printed/Typed Name	Signature	Month	Day	Year
WENDY EASLEY	Wendy Easley	10	12	94

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Glenn O Olson	Glenn O Olson	10	12	94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR

TRANSPORTER

FACILITY

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

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0400

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

See Instructions on Back of Page 6 and Front of Page

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 9 8 2 4 0 0 4 1 1 8 — Manifest Document No. 5629 — Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Pacific Gas and Electric
4525 Hollis Street
Emeryville, Ca 94608

4. Generator's Phone (510 649-3315

A. State Manifest Document Number 90415670

B. State Generator's ID H Y H 0 3 6 0 0 8 7 9 8

5. Transporter 1 Company Name: Wheeler Trucking — 6. US EPA ID Number: C A F 9 1 1 M 2 0 5 4 0 — C. State Transporter's ID: 600240 — D. Transporter's Phone: 510 634 6950

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

9. Designated Facility Name and Site Address
Chemical Waste Management - Kettleman Hills
35251 Old Sky Line Road - Kettleman City, Ca 93239
C A T 0 0 0 6 4 6 1 1 1 7

10. US EPA ID Number

G. State Facility's ID C A T 0 0 0 6 4 6 1 1 1 7

H. Facility's Phone (209) 386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	L. Waste No.
a. Environmentally Hazardous Substance Solid N.O.S. Polychlorinated Biphenyls Hazard Class 9, I.D. UN3077, Packing Group III	0 0 1	D T	0 0 0 2 1 7	P	State 261 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
PROFILE NO - BB 5301
SOIL CONTAINING LESS THAN 49 PPM PCB'S

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

15. Special Handling Instructions and Additional Information
Emergency 24 Hour # (800) 765-8713

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

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GENERATOR

Printed/Typed Name: WENDY EASLEY — Signature: Wendy Easley — Month Day Year: 10/12/94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible] — Signature: [illegible] — Month Day Year: 10/12/94

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

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

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

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0400

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

See Instructions on Back of Page 6 and Front of Pa

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD982400418 Manifest Document No. 15659
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Pacific Gas & Electric
4525 Hollis Street
Emeryville, CA 94608

4. Generator's Phone (510)649-3315

A. State Manifest Document Number 90415659
B. State Generator's ID HYHQ36008798

5. Transporter 1 Company Name Wheeler Trucking
6. US EPA ID Number CAD981412540
C. State Transporter's ID 402599
D. Transporter's Phone 510 634-

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

9. Designated Facility Name and Site Address
Chemical Waste Management - Kettleman Hills
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number CAT000646117
G. State Facility's ID CAT000646117
H. Facility's Phone (209) 386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Environmentally Hazardous Substance Solid N.O.S. Polychlorinated Biphenyls Hazard Class 9, I.D. UN3077, packing Group III	001	DDG	00022	T	State 261 EPA/Other N/A
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
PROFILE NO- BB 5301
SOIL CONTAINI G LESS THAN 49 PPM PCB'S

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

15. Special Handling Instructions and Additional Information
EMERGENCY 24 HOUR # *800) 765-87±3

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

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Printed/Typed Name: WENDY EASLEY — Signature: Wendy Easley — Month Day Year: 10 27 94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jake Wheeler — Signature: [signature] — Month Day Year: 10 27 94

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

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

GENERATOR / TRANSPORTER / FACILITY

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

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See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD982400418	Manifest Document No. 56713	2. Page 1 of
Information in the shaded areas is not required by Federal law.		

3. Generator's Name and Mailing Address: Pacific Gas and Electric, 4525 Hollis Street, Emeryville, Ca 94608
4. Generator's Phone (510) 649-3315

A. State Manifest Document Number: 90415673
B. State Generator's ID: HYHQ3600087998

5. Transporter 1 Company Name: WHEELER TRUCKING
6. US EPA ID Number: CAD981420540
C. State Transporter's ID: 413359
D. Transporter's Phone: 510-674-2885

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

9. Designated Facility Name and Site Address: Chemical Waste Management - Kettleman Hills, 35251 Old Skyline Rd - KettlemanmCity, Ca 93239
10. US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209) 386-9811

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Environmentally Hazardous Substance Solid N.O.S. Polychlorinated Biphenyls Hazard Class 9, I.D. UN 3077, Packing Group III	0001	DDT	00022	T	State 261; EPA/Other N/A
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
PROFILE NO - BB 5301
SOIL CONTAINING LESS THAN 49 PPM PCB'S

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

15. Special Handling Instructions and Additional Information
EMERGENCY 24 HOUR # *800) 765-8713

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

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Printed/Typed Name	Signature	Month Day Year
WENDY EASLEY	Wendy Easley	01 27 94

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
JEFF WHEELER	Jeff Wheeler	01 27 94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month Day Year

GENERATOR / TRANSPORTER / FACILITY

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

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Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C A D 9 8 2 4 0 0 4 1 8 — Manifest Document No.: 1 6 7 ?
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address:
Pacific Gas & Electric
4525 Hollis Street
Emeryville, CA 94608

4. Generator's Phone (510) 649-3315

A. State Manifest Document Number: 90415678
B. State Generator's ID: H M H 0 3 6 0 0 8 7 9 8

5. Transporter 1 Company Name: Flanders Tk Inc
6. US EPA ID Number: CAD 0 5 5 3 3 0 6 6 0
C. State Transporter's ID: 401477 401794
D. Transporter's Phone: 510-689-8161

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID: 401477 40179...
F. Transporter's Phone:

9. Designated Facility Name and Site Address:
Chemical Waste Management-Kettleman Hills
35251 Old Skyline Rd - Kettleman City, Ca 93239

10. US EPA ID Number: C A T 0 0 0 6 4 6 1 1 7
G. State Facility's ID: C A T 0 0 0 6 4 6 1 1 7
H. Facility's Phone: (209) 386-9711

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Environmentally Hazardous Substance Solid N.O.S. Polychlorinated Biphenyls Hazard Class 9, I.D.UN3077, Packing Group III	0 0 1	D T	24	T	State 261; EPA/Other N/A
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
PROFILE NO- BB 6391
SOIL CONTAINING LESS THAN 49 PPM PCB'S

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

15. Special Handling Instructions and Additional Information
EMERGENCY 24 HOUR # (800) 765-8713

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

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Printed/Typed Name: Wendy Easley — Signature: Wendy Easley — Month Day Year: 01 27 94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Leon W Flanders — Signature: Leon W Flanders — Month Day Year: 01 27 94

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

FACILITY

19. Discrepancy Indication Space

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

IN CASE OF AN EMERGENCY OR SPILL CALL 1-800-852-7550 OR 800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

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Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD982400418 | Manifest Document No.: 5682
2. Page 1 of
Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 90415682

3. Generator's Name and Mailing Address:
Pacific Gas & Electric
4525 Hollis Street
Emeryville, CA 94608

4. Generator's Phone (510) 649-3315

B. State Generator's ID: HYHQ36008788

5. Transporter 1 Company Name: Quality Vacuum
6. US EPA ID Number: CAD981691871 2
C. State Transporter's ID: 4C4945
D. Transporter's Phone: (815) 589-6741

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

9. Designated Facility Name and Site Address:
Chemical Wastw Management- Kettleman Hills
35251 Old Skyline Road
Kettleman City, CA 93239

10. US EPA ID Number: CAD000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209) 386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. ~~Environ~~ Environmentally hazardous Substance Solid N.O.S. Polychlorinated Biphenyls ~~Hazard Class 9, I.D. UN3077, Packing III~~	001	DT	23	T	State 261; EPA/Other N/A
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
PROFILE NO - BB 5301
SOIL CONTAINING LESS THAN 49 PPM PCB'S

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

15. Special Handling Instructions and Additional Information
EMERGENCY 24-HR # (800) 765-8713

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

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Printed/Typed Name: MICHELLE BOSCOE | Signature: Michelle E Boscoe | Month Day Year: 10 12 94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ray Watts | Signature: Ray Watts | Month Day Year: 10 12 94

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

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year

GENERATOR — TRANSPORTER — FACILITY

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

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EPA 8700—22
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Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
C A D 9 8 2 4 0 0 4 1 1 8	15612		

3. Generator's Name and Mailing Address
Pacific Gas and Electric
4525 Hollis Street
Emeryville, Ca 94608

4. Generator's Phone (510) 649-3315

A. State Manifest Document Number: 90415672

B. State Generator's ID: [R|Y|E|0|3|6|0|0|8|7|9|8]

5. Transporter 1 Company Name: Dwight Trucking Inc
6. US EPA ID Number: C A D 9 8 1 0 6 9 4 7 2 3
C. State Transporter's ID: 404947
D. Transporter's Phone: (805) 399-1877

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

9. Designated Facility Name and Site Address
Chemical Waste Management - Kettleman Hills
35251 Old Skyline Road - Kettleman City, Ca 93239
10. US EPA ID Number: C A T 0 0 0 6 4 6 1 1 1 7
G. State Facility's ID: C A T 0 0 0 6 4 6 1 1 1 7
H. Facility's Phone: (209) 386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Enivoronmentally Hazardous Substance Solid N.O.S. Polychlorinated Biphenyls Hazard Class 9, I.D. UN3077, Packing Group III	001	DT	12	T	State 261 EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
PROFILE NO BBS6001
SOIL CONTAINING LESS THAN 49 PPM PCB'S

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

15. Special Handling Instructions and Additional Information
EMERGENCY 24 HOUR (800) 765-8713

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

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GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Michelle Boyce	Michelle Boyce	10	12	94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
William Schweitzer	William Schweitzer	10	12	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year

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

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Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
CAD982401041	5671 1		

3. Generator's Name and Mailing Address Pacific Gas and Electric 4525 Hollis Street Emeryville, Ca 94608	A. State Manifest Document Number 90415671
4. Generator's Phone (510) 649-3315	B. State Generator's ID HY H 0 3 6 0 0 8 7 988
5. Transporter 1 Company Name: Quality Vacuum Service	6. US EPA ID Number: CAD980818702 — C. State Transporter's ID 404925
7. Transporter 2 Company Name	8. US EPA ID Number — E. State Transporter's ID
	D. Transporter's Phone 209-589-6741 — F. Transporter's Phone
9. Designated Facility Name and Site Address Chemical Waste Management - Kettleman Hills 35251 Old Sky Line Road Kettleman City, Ca 93239	10. US EPA ID Number: CAT000646117 — G. State Facility's ID: CAT000646117 — H. Facility's Phone (209) 386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Environmentally Hazardous Substance Solid N.O.S Polychlorinated Biphenyls Hazard Class 9, I.D. UN3077, Packing Group III	001	DTT	12	T	State 261 EPA/Other N/A
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above	K. Handling Codes for Wastes Listed Above
PROFILE NO - BB 5301 SOIL CONTAINING LESS THAN 49 PPM PCB'S	a. b. c. d.

15. Special Handling Instructions and Additional Information

EMERGENCY 24 HOUR # (800) 765-3713

16.

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Printed/Typed Name	Signature	Month	Day	Year
Michelle Bascle	Michelle Bascle	01	27	94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
KEN HALL	K Hall	01	27	94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year

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

GENERATOR

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State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
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Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD982401411 | Manifest Document No.: 96174
2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Pacific Gas & Electric
4525 Hollis Street
Emeryville, Ca 94608

4. Generator's Phone (510) 649-3315

A. State Manifest Document Number: 90415674
B. State Generator's ID: HYH03600837915
C. State Transporter's ID: [illegible]
D. Transporter's Phone: [illegible]
E. State Transporter's ID:
F. Transporter's Phone:

5. Transporter 1 Company Name: [illegible] | 6. US EPA ID Number: [illegible]
7. Transporter 2 Company Name: | 8. US EPA ID Number:

9. Designated Facility Name and Site Address
Chemical Waste Management @ Kettleman Hills
35251 Old Skyline Rd - Kettleman City, Ca 93239
CAT080046117

10. US EPA ID Number

G. State Facility's ID: CAT080046117
H. Facility's Phone: (209) 386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Environmentally Hazardous Substance Solid N.O.S. Polychlorinated Biohenyls Hazard Class 9, I.D. UN3077, Packing Group III	001	DT	23	T	State 261 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
PROFILE NO - BB 5301
SOIL CONTAINING LESS THAN 49 PPM PCB'S

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

15. Special Handling Instructions and Additional Information
EMRGENCY 24 HOUR # (800) 765-3713

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

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

Printed/Typed Name: WENDI EASLEY | Signature: [signature] | Month 10 Day 23 Year 91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible] | Signature: [signature] | Month 10 Day 23 Year 91

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

FACILITY

19. Discrepancy Indication Space

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

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0400

GENERATOR

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

90415674

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

See Instructions on Back of Page 6 and Front of Pr 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
C A D 9 8 2 4 0 0 4 1 8	75675		

3. Generator's Name and Mailing Address
Pacific Gas & Electric
4525 Hollis Avenue
Emeryville, CA 94608

4. Generator's Phone (510) 649-3315

A. State Manifest Document Number 90415675

B. State Generator's ID H H B Q 3 6 0 0 8 7 9 8

5. Transporter 1 Company Name Quality Vacuum

6. US EPA ID Number CAD980818705

C. State Transporter's ID 404995

D. Transporter's Phone 209 567-6741

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Chemical Waste Management- KETTLEMAN HILLS
35251 Old Skyline Road - Kettleman City, CAA 93239
CAT080064611 7

10. US EPA ID Number

G. State Facility's ID CAT080064611 7

H. Facility's Phone (209) 386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Environmentally Hazardous Substance Solid N.D.S.] Polychlorinated Biohenyls Hazard class 9, I.D. UN3077, Packing Group III	001	DT	19	T	State 261 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
PROFILE NO - BB 5301
SOIL CONTAINING LESS THAN 49 PPM PCB'S

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

15. Special Handling Instructions and Additional Information
EMERGENCY 24 HOUR # (800) 765-8713

16.

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Printed/Typed Name	Signature	Month	Day	Year
WENDY EASLEY	Wendy Easley	10	12	89

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
KEN HALL		10	12	89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year

Do Not Write Below This Line

HS 8022 A
PA 8700—22
ev. 6-89) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 D
To: P.O. Box 400, Sacramento, CA 95812-0400

GENERATOR

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

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

See Instructions on Back of Page 6 and Front of Page

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C A D 9 8 2 4 0 0 4 1 8
Manifest Document No.: 5 6 8 1
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Pacific Gas & Electric
4525 Hollis Street
Emeryville, CA 94608

4. Generator's Phone (510) 649-3315

A. State Manifest Document Number: 90415681

B. State Generator's ID: H Y H 0 3 6 0 0 8 7 9 8

5. Transporter 1 Company Name: Hunter Trucking Inc.
6. US EPA ID Number: C A D 0 5 2 2 6 6 6 7 4
C. State Transporter's ID: 427694
D. Transporter's Phone: (805) 768-4366

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

9. Designated Facility Name and Site Address
Chemical Waste Management - Kettleman Hillss
35251 Old Skyline Road - Kettleman City, CA 93239
C A T 0 0 0 6 4 6 1 1 7
10. US EPA ID Number
G. State Facility's ID: C A T 0 0 0 6 4 6 1 1 7
H. Facility's Phone: (209) 386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Environmentally Hazardous Subtance Solid N.O.S. Polychlorinated Biphenyls ~~Hazard Class 9, I.D. UN3077, Packing Group III~~	0 0 1	D T	0 0 0 2 4	T	State 261 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
PROFILE NO BBS5301
SOIL CONTAINNG LESS THEN 49 PPM PCB'S

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

15. Special Handling Instructions and Additional Information
EMERGENCY 24 HOUR # (800) 765-8713

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

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GENERATOR

Printed/Typed Name: WENDY EASLEY
Signature: Wendy Easley
Month Day Year: 10 | 27 | 94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Tom Marable
Signature: Tom Marable
Month Day Year: 10 | 27 | 94

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

FACILITY

19. Discrepancy Indication Space

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

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0400

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

Stockpile site Washington waste

CONTAINS HAZARDOUS MATERIALS

THIS SHIPPING ORDER

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

Shipper's No. _____

Carrier's No. _____

CARRIER: Erickson Inc SCAC Date 01-28-94

TO:
Consignee Gibson Pilot
Street
Destination Redwood City CA Zip

FROM: PGE
Shipper 4525 Hollis St
Street
Origin Emeryville, CA Zip 94608

Route:

Vehicle Number 1411

U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE
1	X	Non Hazardous Waste	Non	Non	Non	18cu	G

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

C.O.D. Amt: $

C. O. D. FEE: Prepaid ☐ Collect ☐ $

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

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

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

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

Where the applicable tariff provisions specify a limitation of the carrier's liability NMFC Item 172), if there is no release or value declaration by the shipper, and the shipper does not declare a value or release the carrier's liability, that liability shall be limited to the extent provided by NMFC Item 172. California intrastate shipments must comply with NMFC Item 173.

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

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER: PG&E

PER: Wendy Easley DATE: 1-28-94

CARRIER: Erickson Inc

PER: Robert C Ellis DATE: 01-28-94

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

Erickson Inc. — CUSTOMER SERVICE ORDER

Job No.: _____

255 Parr Blvd., Richmond, CA 94801 (510) 235–1393
13738 Slover Ave., Fontana, CA 92335 (909) 355–5801
1350 E. Greg St., Ste 3, Sparks, NV 89431 (702) 358–5551
503 W. 400 South, Salt Lake City, UT 84101 (801) 359–6861

Driver Daily Time Sheet

Date: 01-28-94

M T W T F SAT SUN

Shift: GY D S

Milkrun ☐ yes

Driver Name: B Dart Emp. No: 70105 Manifest No.: _____

Customer Name: RAMCON (PG&E) Customer Order No.: _____

Jobsite Name & Address: 4525 Hollis St. Emeryville, Ca Release No.: _____

Contact Name: _____

Contact Phone: _____

Services Performed: Work as directed Vacuuming Parking Lot wash down

Additional Information: _____

Driver's Comments: _____

Waste Material: _____ Profile/ W.S.#: _____

Today's Origin: _____ Today's Destination: _____ Our P.O.# _____

Disposal Site: Gibson Oil Appointment Date & Time: _____ No. of Loads: _____ No. of Drums: _____

Truck No. 1411 Trailer No. _____

Truck EMS # _____

Hub Reading: Begin _____ Ending 43761 Total: _____

Total Time: Start 1115 AM/PM Stop _____ AM/PM Total: _____

Job Site: Arrive 1115 AM/PM Depart 1430 AM/PM Total: _____

Disposal Site: Arrive _____ AM/PM Depart _____ AM/PM Total: _____

Meals: Stop#1 1130 Start#1 1200 Stop#2 — Start#2 — Total: (-1/2)

Did you perform your pre-trip equipment inspection? ☒ yes ☐ no

TOTAL PAY – THIS JOB: _____ hrs. ST OT DT _____ miles

OFFICE USE ONLY

Payroll					Billing – Only if Different From Payroll				
Miles	Class	ST	OT	DT	Miles	Class	ST	OT	DT

Dispatcher's Approval

ROLL OFF CONTAINER INFORMATION

Container No.	Container Pick Up Point	Disposal Site	Container Drop Off Point

ADDITIONAL INFORMATION

EMS #		Qty.		Amount
85010	Tyvek		@	
97200	Substance		@	
99152	Washouts		@	
99260	Neutralizations		@	
2016	Box Liners		@	
2017	End Dump Liner		@	
99218	Bridge Fees		@	
99218	Bridge Fees		@	

CUSTOMER SIGNATURE ACKNOWLEDGES WORK PERFORMED AT JOB SITE ONLY.

Customer Representative Signature: Wendy Easley

Erickson Driver Signature: Robert A Dart

Customer Representative – Please Print Name: WENDY EASLEY

WHITE – Payroll Copy YELLOW – Billing Copy PINK – Dispatch Copy GOLDENROD – Customer Copy

CP6189

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

See Instructions on back of page 6.

Department of Toxic Substances Con
Sacramento, California

NVTPCB084

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C A D 9 8 2 4 0 0 4 1 8
Manifest Document No.: A 1 0 4 5
2. Page 1: 1 of 5

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

3. Generator's Name and Mailing Address
EMERYVILLE REPAIR FACILITY
ATTN: JIM ADDIEGO
PACIFIC GAS & ELECTRIC CO.
4525 HOLLIS ST.
EMERYVILLE, CA 94608

4. Generator's Phone (510) 649-3314

A. State Manifest Document Number: 98270110
B. State Generator's ID: [illegible]

5. Transporter 1 Company Name: ALLWASTE TRANSPORTATION & REMEDIATION, INC.
6. US EPA ID Number: C A D 0 6 3 5 4 7 9 9 6

C. State Transporter's ID: 400917 [illegible]
D. Transporter's Phone: 800-321-1030

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

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
U.S. ECOLOGY
11 MILES SOUTH OF BEATTY, HIWAY 95
BEATTY, NEVADA 89003

10. US EPA ID Number: N V T 3 3 0 0 1 0 0 0 0

G. State Facility's ID
H. Facility's Phone: 702-553-2203

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. POLYCHLORINATED BIPHENYLS,N.O.S.,9,UN2315, PGIII,RQ (<5000PPM PCB CONTAMINATED SOLIDS)	005	CF	1130	K	State [illegible] EPA/Other NON RCRA
b. POLYCHLORINATED BIPHENYLS,N.O.S.,9,UN2315, PGIII,RQ (<5000PPM PCB CONTAMINATED EQUIPMENT)	022	CM	7050	K	State [illegible] EPA/Other NON RCRA
c. POLYCHLORINATED BIPHENYLS SOLUTION,N.O.S.,9, UN2315,PGIII,RQ (ELECTRICAL EQUIPMENT CONTAINING OIL >500PPM PCB)	005	CM	1370	K	State 261-731 EPA/Other NON RCRA
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above: [illegible]
b-8 HALF BOXES WITH 19 TS'S, [illegible] FOR FLUSHING AND 1 [illegible] WITH 4 OIL FILLED TX'S, [illegible] TO 500PPM, FOR DRAINING/FLUSHING [illegible]

K. Handling Codes for Wastes Listed Above: a. [illegible] b. [illegible] c. [illegible] d. [illegible]

15. Special Handling Instructions and Additional Information
a-b-c-WEAR GLOVES AND PROTECTIVE CLOTHING, DIKE AND CONTAIN ALL SPILLS
24HR EMERGENCY RESPONSE NO. 1-800-321-1030 (ALLWASTE)
REFER TO EMERGENCY RESPONSE GUIDE NO. 31

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

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Printed/Typed Name	Signature	Month	Day	Year
JIM ADDIEGO	Jim Addiego	02	01	94

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Loretta C Robles	Loretta C Robles	02	01	94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR / TRANSPORTER / FACILITY

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

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (7/92)
EPA 8700—22

Yellow: GENERATOR RETAINS

APPENDIX 3 ANALYTICAL DATA

	West Log #	Comments	Date
Data:	Sparger	UST water Samples	12-01-93
	#8211	Tank Removal Excavation & Stockpile Soil Samples	12-22-93
	#8252	Over Excavation & Stockpile Soil Samples	01-29-93

649001

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

RECEIVED DEC 14 1993

December 9, 1993

Mr. Jaff Auchterlonie
RAMCON
3751 Commerce Drive
W. Sacramento, CA 95691

Dear Mr. Auchterlonie:

Enclosed is the report for the four (4) water samples. The samples were received at Sparger Technology Analytical Lab on December 1, 1993.

The samples were received in four (4) VOAs. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

The report consists of the following sections:

I. Sample Description
II. Analysis Request
III. Quality Control Report
IV. Analysis Results

No problems were encountered with the analysis of your samples.

If you have questions, please feel free to call.

Sincerely,

R. L. James
Principal Chemist

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

I Sample Description

See attached Samples Description Information.

The samples were received under chain-of-custody.

II Analysis Request

The following analytical tests were requested:

Lab ID	Your ID	Analysis Description
ST93-12-016A	N-1	Total Oil & Grease
ST93-12-017A	S-1	Total Oil & Grease
ST93-12-018A	N-2	8080 PCBs
ST93-12-019A	S-2	8080 PCBs

III Quality Control

A. Project Specific QC. No project specific QC (i.e., spikes and/or duplicates) was requested.

B. Method Blank Results. A method blank is a laboratory-generated sample which assesses the degree to which laboratory operations and procedures cause false-positive analytical results for your sample.

No target parameters were detected in the method blank associated with your sample at the reporting limit levels noted on the data sheets in the Analytical Results section.

Accuracy is measured by Percent Recovery as in:

$$\% \text{ recovery} = \frac{(\text{measured concentration}) \times 100}{(\text{actual concentration})}$$

IV Analysis Results

Results are on the attached data sheets.

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8080 PCBs
Analysis Report

Attention:	Mr. Jaff Auchterlonie RAMCON 3751 Commerce Drive W. Sacramento, CA 95691	Date Sampled: Date Received: Date Analyzed:	Dec 1, 1993 Dec 1, 1993 Dec 8, 1993
Project #:	649001	Project Name:	PG&E
Client ID:	N-2	LAB ID:	ST93-12-018A
Matrix:	Water	Dilution:	

Name	Amount	Reporting Limit	Units
PCB 1016	ND	1.0	ug/L
PCB 1221	ND	2.0	ug/L
PCB 1232	ND	1.0	ug/L
PCB 1242	ND	1.0	ug/L
PCB 1248	ND	1.0	ug/L
PCB 1254	ND	1.0	ug/L
PCB 1260	ND	1.0	ug/L
Surrogate % Recovery of Dibutylchlorendate (DBC) =		99%	

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Dec 8, 1993
Date

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8080 PCBs
Analysis Report

Attention:	Mr. Jaff Auchterlonie RAMCON 3751 Commerce Drive W. Sacramento, CA 95691	Date Sampled: Date Received: Date Analyzed:	Dec 1, 1993 Dec 1, 1993 Dec 8, 1993
Project #:	649001	Project Name:	PG&E
Client ID:	S-2	LAB ID:	ST93-12-019A
Matrix:	Water	Dilution:	

Name	Amount	Reporting Limit	Units
PCB 1016	ND	1.0	ug/L
PCB 1221	ND	2.0	ug/L
PCB 1232	ND	1.0	ug/L
PCB 1242	ND	1.0	ug/L
PCB 1248	ND	1.0	ug/L
PCB 1254	ND	1.0	ug/L
PCB 1260	ND	1.0	ug/L
Surrogate % Recovery of Dibutylchlorendate (DBC) =		43% *	

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

*** Amatrix effect contributed to the low surrogate recovery. A severe emulsion occurred during sample extraction.**

R. L. James, Principal Chemist

Dec 8, 1993
Date

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

5520 Modified Analysis Report

Attention:	Mr. Jaff Auchterlonie RAMCON 3751 Commerce Drive W. Sacramento, CA 95691	Date Sampled: Date Received: Date Analyzed:	Dec 1, 1993 Dec 1, 1993 Dec 6, 1993
Project #:		Project Name:	
Client ID:	N-1	LAB ID:	ST93-12-016A
Matrix:	Water	Dilution:	

Name	Amount	Detection Limit	Units
Oil & Grease	ND	50	ug/L

ppb = parts per billion = ug/L = micrograms per Liter
ppm = parts per million = ug/mL = micrograms per milliliter
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Dec 6, 1993
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

5520 Modified Analysis Report

Attention:	Mr. Jaff Auchterlonie RAMCON 3751 Commerce Drive W. Sacramento, CA 95691	Date Sampled: Date Received: Date Analyzed:	Dec 1, 1993 Dec 1, 1993 Dec 6, 1993
Project #:		Project Name:	
Client ID:	S-1	LAB ID:	ST93-12-017A
Matrix:	Water	Dilution:	

Name	Amount	Detection Limit	Units
Oil & Grease	600000	50	ug/L

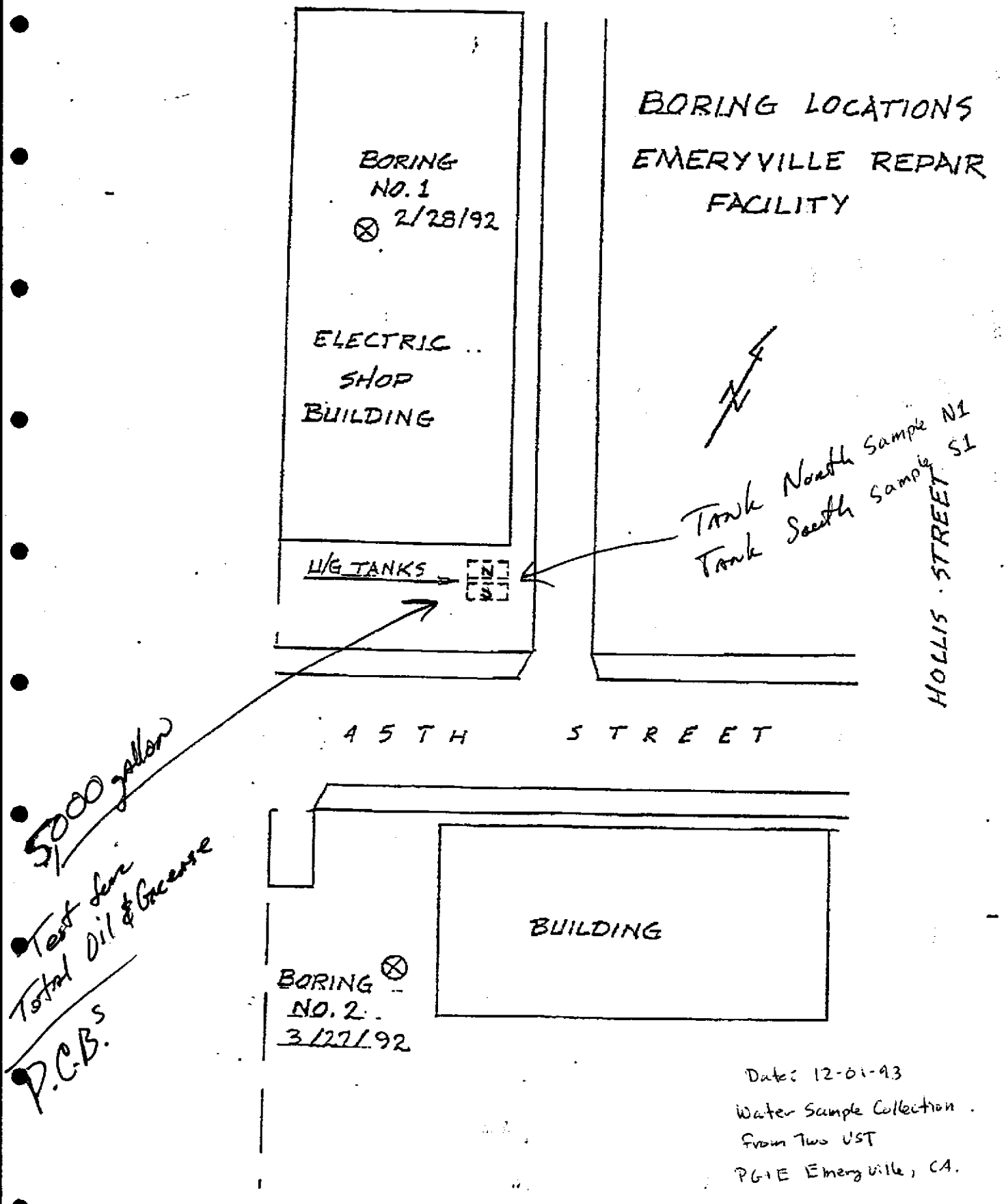
ppb = parts per billion = ug/L = micrograms per Liter
ppm = parts per million = ug/mL = micrograms per milliliter
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Dec 6, 1993
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

*3050 Fite Circle, Suite 112 • Sacramento, California 95827 • **(916) 362-8947** • **FAX (916) 362-0947***



Date: 12-01-93
Water Sample Collection
From Two UST
PG&E Emeryville, CA.

SPARGER TECHNOLOGY, INC.
Analytical Laboratory
3050 Fite Circle, #112 Sacramento, CA 95827
Phone: (916) 362-8947
FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

2810

STAL Invoice Number:

Company: RAMCON Phone: (916) 372-7535
Project Manager: Jaff Auchterlonie FAX: (916) 372-4209

Report Address:
3751 Commerce Drive
W. Sacramento, CA 95691

Billing Name & Address:

ANALYSIS REQUEST

Project Name: PG & E PG&E Project/Job #: 649001
Project Location: EMERYVILLE, CA. P.O. #: 9166

REMARKS:

WET (STLC)
TCLP

SAMPLE ID	Sampling: Date	Sampling: Time	Container: 40 mL VOA	Container: Brass Sleeve	Container: 1 L amber bottle	Container: 250 mL Plastic	Container: Other:	Preservative Used: HCl/HNO3/(ICE)	Preservative Used: None	Preservative Used: Other:	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Other:	TCLP: BTEX (602/8020)/503.1	TCLP: BTEX/TPHgas (602/8020/8015)	TCLP: TPHdiesel/TPHmotor oil/kerosene(8015)	TCLP: EPA 601/8010/502.2/504	TCLP: EPA 602/8020	TCLP: EPA 608/8080 (Pesticides)/505/508	TCLP: EPA 608/8080 (PCB's)	TCLP: EPA 624/8240/524.2	TCLP: EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	RCI	Total: CAM-17 Metals	Total: CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Total: Lead	TAT: Standard	TAT: Rush Services (72hr / 48hr / 24hr / 12hr)	TAT: Holiday/Weekend Rush
N-1	12-01-93	10:00 AM			✓			✓			✓													X							X		
S-1	"	10:05AM			✓			✓			✓													X							X		
N-2	"	10:10AM			✓			✓			✓										X										X		
S-2	"	10:15AM			✓			✓			✓										X										X		
					✓			✓																									

Relinquished by:	Received by:	Relinquished by:	Received by:
Date: 12/1/93 Time: 1350	Date: 12/1/93 Time: 13:50	Date: Time:	Date: Time:

RECEIVED JAN 0 7 1994

December 30, 1993
Sample Log 8211

Bill Goodwin
Ramcon Engineering & Environmental Contracting, Inc.
P.O. BOX 1026
West Sacramento, CA 95691

Subject: Analytical Results for 7 Soil Samples
Identified as: Project # 649001 (PG&E)
Received: 12/22/93
Purchase Order: 9262

Dear Mr. Goodwin:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on December 29, 1993 and describes procedures used to analyze the samples.

Sample(s) were received in brass sleeves that were sealed with PTFE sheets and plastic endcaps. Each sample was transported and received under documented chain of custody and stored at 4 degrees C until analysis was performed.

Sample(s) were analyzed using the following method(s):

"BTEX" (EPA Method 8020/Purge-and-Trap)
"TPH as Gasoline" (Modified EPA Method 8015/Purge-and-Trap)
"TPH as Diesel,Motor Oil,Jet/Kerosene" (Mod. 8015/Extraction)
"Polychlorinated Biphenyls (PCBs)" (EPA Method 8080/Extraction)
"Halogenated Solvents" (EPA Method 8010)
"Metals by Atomic Absorption/ICAP" (EPA Methods 7000/6010/200.7)
"Oil and Grease" (5520 E,F)
"Semi-Volatile Organic Priority Pollutants" (EPA Method 8270)

Please refer to the following table(s) for summarized analytical results and contact us at 916-757-4650 if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Approved by:

S. Podolsky

Stewart Podolsky
Senior Chemist

December 30, 1993
Sample Log 8211

The following abbreviations and qualifiers may be present in the analytical reports to follow:

ug/L : Micrograms of target analyte in 1 Liter of sample.

mg/kg : Milligrams of target analyte in 1 kg of sample.

B : This data qualifier indicates that a method blank from the analytical batch contained this compound and the level found in the sample is within 5 times that level. Use data with caution.

C : This data qualifier indicates that the presence of the compound has been confirmed by GC/MS.

TCLP : Toxicity Characteristic Leaching Procedure

MS : Matrix Spike

MSD : Matrix Spike Duplicate

RPD : Relative Percent Difference (the difference between two values divided by the mean, expressed as a percentage.

% REC : Percent Recovery (the ratio between the measured value and the expected value for a spiked sample, expressed as a percentage.

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December 30, 1993
Sample Log 8211

Sample: **PF1**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/27/93

Received : 12/22/93
Analyzed : 12/30/93
QC Batch : PS931203

8080 - Organochlorine Pesticides and PCBs

Parameter	(RDL) mg/kg	Measured Value mg/kg	Flag
PCB 1016	(0.033)	<0.033	
PCB 1221	(0.067)	<0.067	
PCB 1232	(0.033)	<0.033	
PCB 1242	(0.033)	<0.033	
PCB 1248	(0.033)	<0.033	
PCB 1254	(0.033)	<0.033	
PCB 1260	(0.033)	<0.033	

Method 608/8080 Surrogate Recoveries (%)

Tetrachloro-m-xylene	99	(60-150)
Decachlorobiphenyl	99	(60-150)

Stewart Podolsky
Senior Chemist

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December 30, 1993
Sample Log 8211

Sample: PF2

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/27/93

Received : 12/22/93
Analyzed : 12/30/93
QC Batch : PS931203

8080 - Organochlorine Pesticides and PCBs

Parameter	(RDL) mg/kg	Measured Value mg/kg	Flag
PCB 1016	(0.33)	< 0.33	
PCB 1221	(0.66)	< 0.66	
PCB 1232	(0.33)	< 0.33	
PCB 1242	(0.33)	< 0.33	
PCB 1248	(0.33)	< 0.33	
PCB 1254	(0.33)	< 0.33	
PCB 1260	**(0.33)**	**1.4**	

Method 608/8080 Surrogate Recoveries (%)

Tetrachloro-m-xylene	90 D	(60-150)
Decachlorobiphenyl	88 D	(60-150)

D Value derived from diluted extract (10:1)

Stewart Podolsky
Senior Chemist

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December 30, 1993
Sample Log 8211

Sample: **PF3**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/27/93

Received : 12/22/93
Analyzed : 12/30/93
QC Batch : PS931203

8080 - Organochlorine Pesticides and PCBs

Parameter	(RDL) mg/kg	Measured Value mg/kg	Flag
PCB 1016	(0.033)	<0.033	
PCB 1221	(0.067)	<0.067	
PCB 1232	(0.033)	<0.033	
PCB 1242	(0.033)	<0.033	
PCB 1248	(0.033)	<0.033	
PCB 1254	(0.033)	<0.033	
PCB 1260	**(0.033)**	**.23**	

Method 608/8080 Surrogate Recoveries (%)

Tetrachloro-m-xylene	93	(60-150)
Decachlorobiphenyl	93	(60-150)

Stewart Podolsky
Senior Chemist

December 30, 1993
Sample Log 8211

Sample: **PF4**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/27/93

Received : 12/22/93
Analyzed : 12/30/93
QC Batch : PS931203

8080 - Organochlorine Pesticides and PCBs

Parameter	(RDL) mg/kg	Measured Value mg/kg	Flag
PCB 1016	(0.033)	<0.033	
PCB 1221	(0.066)	<0.066	
PCB 1232	(0.033)	<0.033	
PCB 1242	(0.033)	<0.033	
PCB 1248	(0.033)	<0.033	
PCB 1254	(0.033)	<0.033	
PCB 1260	**(0.033)**	**.17**	

Method 608/8080 Surrogate Recoveries (%)

Tetrachloro-m-xylene	91	(60-150)
Decachlorobiphenyl	88	(60-150)

S. Podolsky
Stewart Podolsky
Senior Chemist

December 30, 1993
Sample Log 8211

Sample: **STK1-A-D**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/27/93

Received : 12/22/93
Analyzed : 12/30/93
QC Batch : PS931203

8080 - Organochlorine Pesticides and PCBs

Parameter	(RDL) mg/kg	Measured Value mg/kg	Flag
PCB 1016	(0.33)	< 0.33	
PCB 1221	(0.66)	< 0.66	
PCB 1232	(0.33)	< 0.33	
PCB 1242	(0.33)	< 0.33	
PCB 1248	(0.33)	< 0.33	
PCB 1254	(0.33)	< 0.33	
PCB 1260	**(0.33)**	**.64**	

Method 608/8080 Surrogate Recoveries (%)

Tetrachloro-m-xylene	93 D	(60-150)
Decachlorobiphenyl	95 D	(60-150)

D Value derived from diluted extract (10:1)

Stewart Podolsky
Senior Chemist

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December 30, 1993
Sample Log 8211

Sample: **STK1-E-H**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/27/93

Received : 12/22/93
Analyzed : 12/30/93
QC Batch : PS931203

8080 - Organochlorine Pesticides and PCBs

Parameter	(RDL) mg/kg	Measured Value mg/kg	Flag
PCB 1016	(1.7)	< 1.7	
PCB 1221	(3.3)	< 3.3	
PCB 1232	(1.7)	< 1.7	
PCB 1242	(1.7)	< 1.7	
PCB 1248	(1.7)	< 1.7	
PCB 1254	(1.7)	< 1.7	
PCB 1260	**(1.7)**	**17**	

Method 608/8080 Surrogate Recoveries (%)

Tetrachloro-m-xylene	119 D	(60-150)
Decachlorobiphenyl	134 D	(60-150)

D Value derived from diluted extract (50:1)

S. Podolsky

Stewart Podolsky
Senior Chemist

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December 30, 1993
Sample Log 8211

Sample: **STK2-A-B**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/27/93

Received : 12/22/93
Analyzed : 12/30/93
QC Batch : PS931203

8080 - Organochlorine Pesticides and PCBs

Parameter	(RDL) mg/kg	Measured Value mg/kg	Flag
PCB 1016	(0.33)	< 0.33	
PCB 1221	(0.66)	< 0.66	
PCB 1232	(0.33)	< 0.33	
PCB 1242	(0.33)	< 0.33	
PCB 1248	(0.33)	< 0.33	
PCB 1254	(0.33)	< 0.33	
PCB 1260	**(0.33)**	**2.8**	

Method 608/8080 Surrogate Recoveries (%)

Tetrachloro-m-xylene	105 D	(60-150)
Decachlorobiphenyl	111 D	(60-150)

D Value derived from diluted extract (10:1)

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Senior Chemist

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December 30, 1993
Sample Log 8211

Total Oil and Grease (Standard Methods 5520 E,F)
From : Project # 649001 (PG&E)
Received : 12/22/93
Matrix : Soil

--all concentrations are units of mg/kg--

Sample	Date Sampled	Date Analyzed	RDL	(5520 E,F) Oil and Grease
PF1	12/22/93	12/28/93	(50)	<50
PF2	12/22/93	12/28/93	(50)	2400
PF3	12/22/93	12/28/93	(50)	<50
PF4	12/22/93	12/28/93	(50)	<50
STK1-A-D	12/22/93	12/28/93	(50)	420
STK1-E-H	12/22/93	12/28/93	(50)	880
STK2-A-B	12/22/93	12/28/93	(50)	770

QC Batch: KS931204

S. Podolsky
Stewart Podolsky
Senior Chemist

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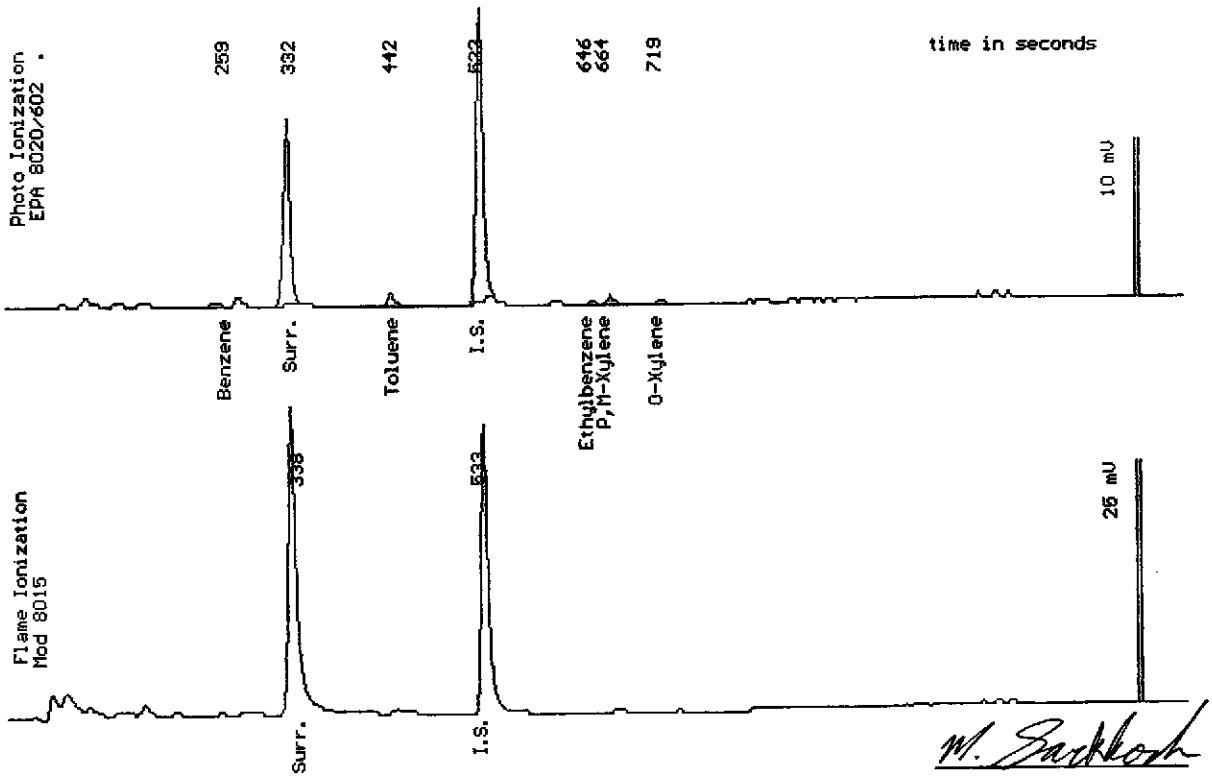
Sample Log 8211
8211-1

Sample: PF1

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Dilution : 1:1 QC Batch : 6075C
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
TPH as Gasoline	(.50)	<.50
Surrogate Recovery		100 %



Date Analyzed: 12-25-93
Column : 0.53mm ID X 30m DB5 (J&W Scientific)

M. Sarkhosh

Mitra Sarkhosh
Senior Chemist

Sample Log 8211

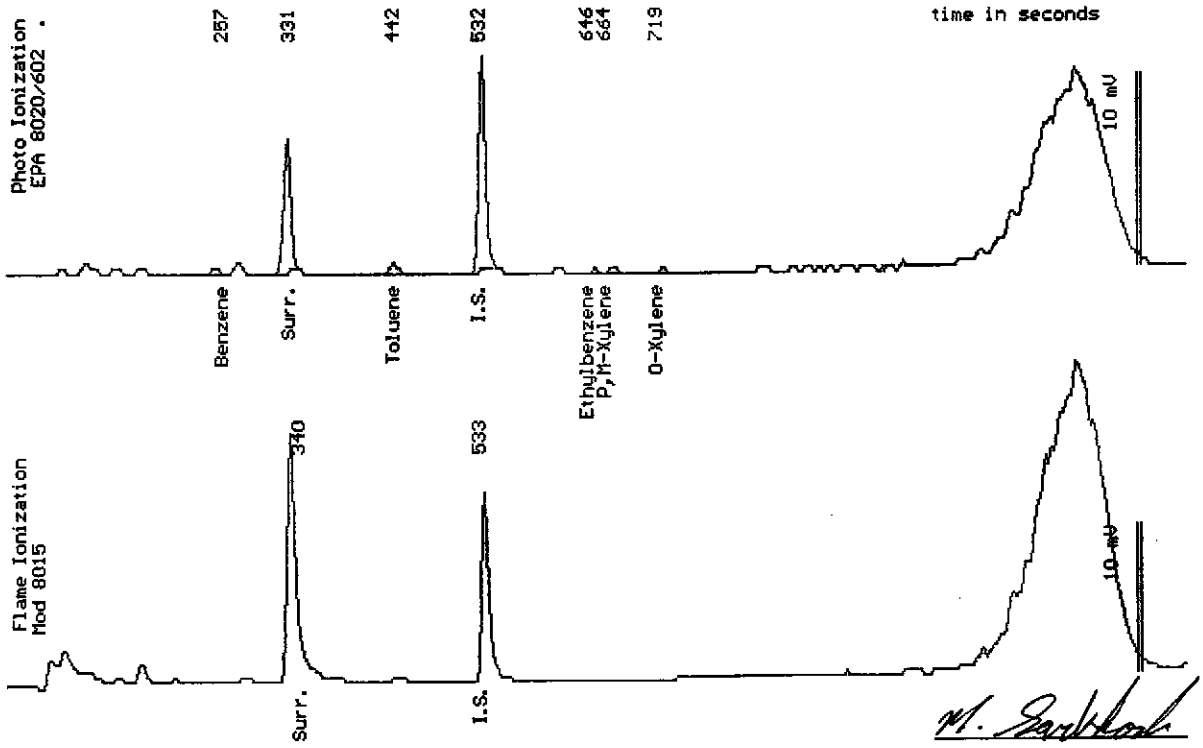
8211-2

Sample: **PF2**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Dilution : 1:1 QC Batch : 6075C
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
TPH as Gasoline	(.50)	.97 *
Surrogate Recovery		111 %

* Product is not typical gasoline.



Date Analyzed: 12-25-93
Column : 0.53mm ID X 30m DB5 (J&W Scientific)

M. Sarkhosh

Mitra Sarkhosh
Senior Chemist

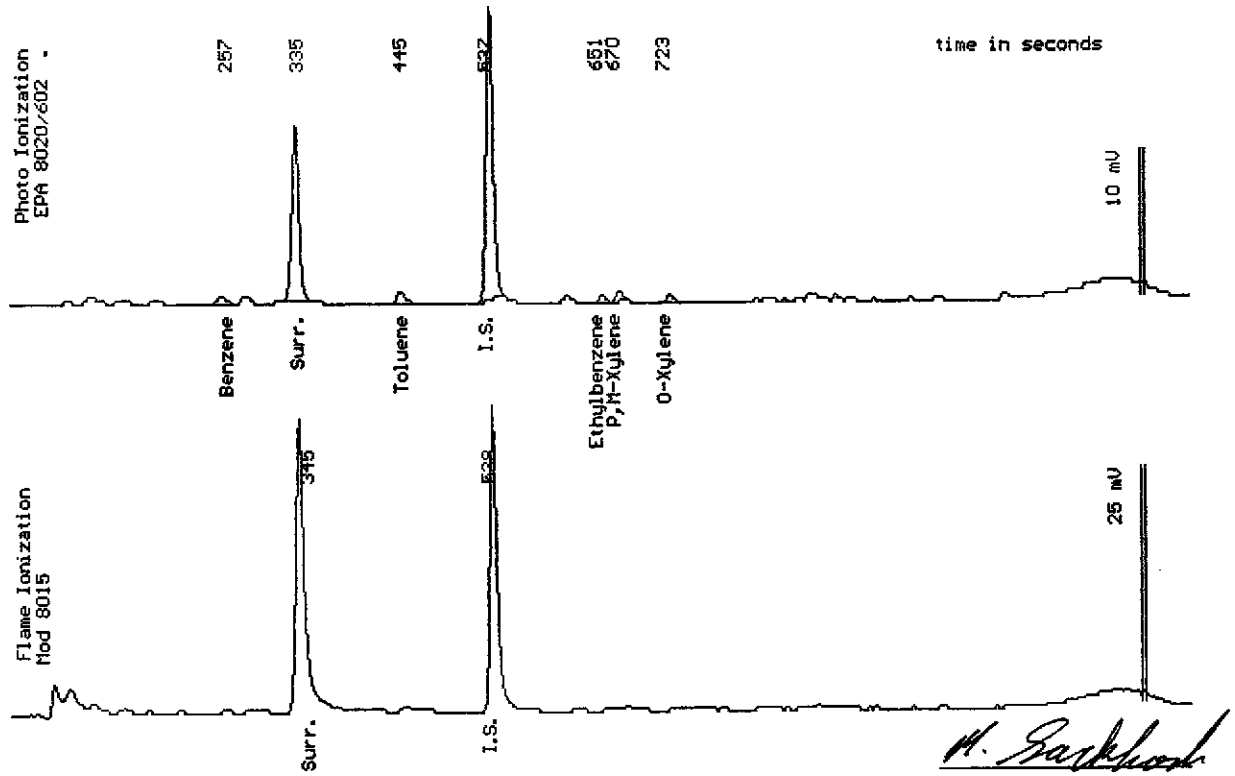
Sample Log 8211

8211-3

Sample: PF3

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Dilution : 1:1 QC Batch : 6075b
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
TPH as Gasoline	(.50)	<.50
Surrogate Recovery		101 %



Date Analyzed: 12-23-93
Column : 0.53mm ID X 30m DB5 (J&W Scientific)

M. Sarkhosh

Mitra Sarkhosh
Senior Chemist

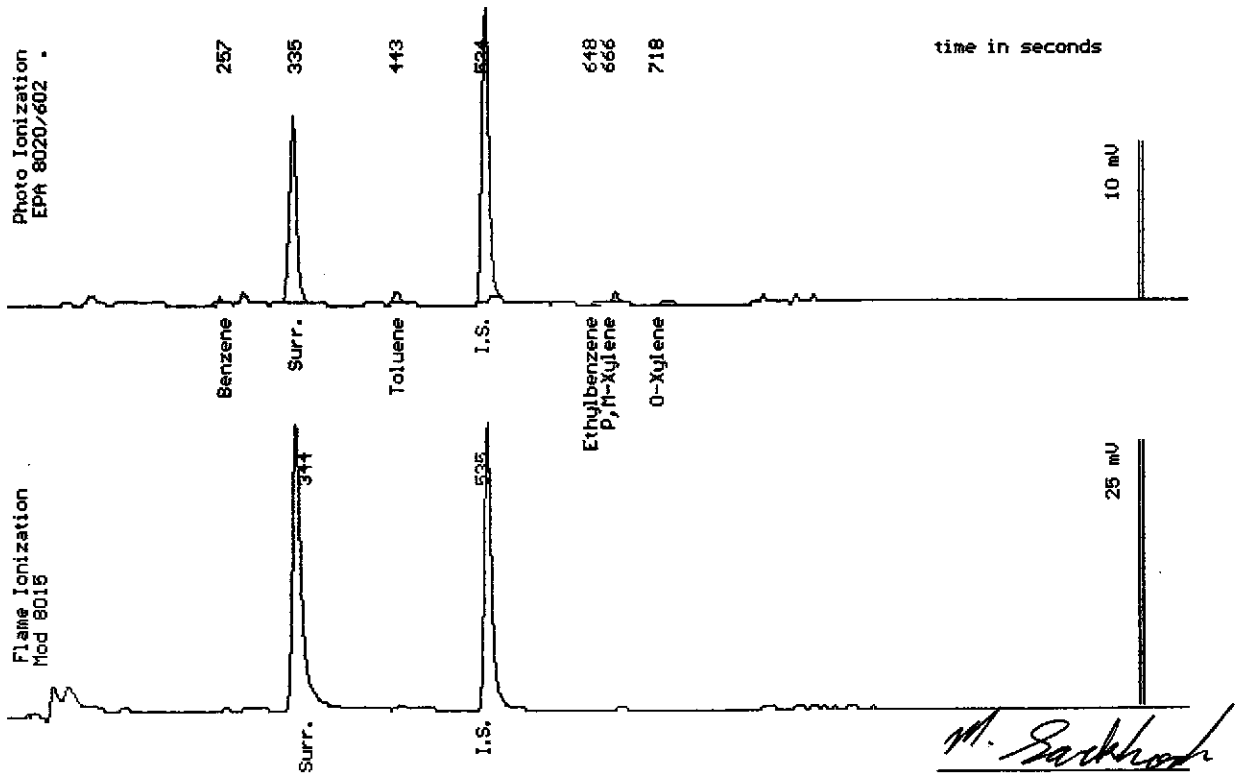
Sample Log 8211

8211-4

Sample: **PF4**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Dilution : 1:1 QC Batch : 6075b
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
TPH as Gasoline	(.50)	<.50
Surrogate Recovery		101 %



Date Analyzed: 12-23-93
Column : 0.53mm ID X 30m DB5 (J&W Scientific)

M. Sarkhosh

Mitra Sarkhosh
Senior Chemist

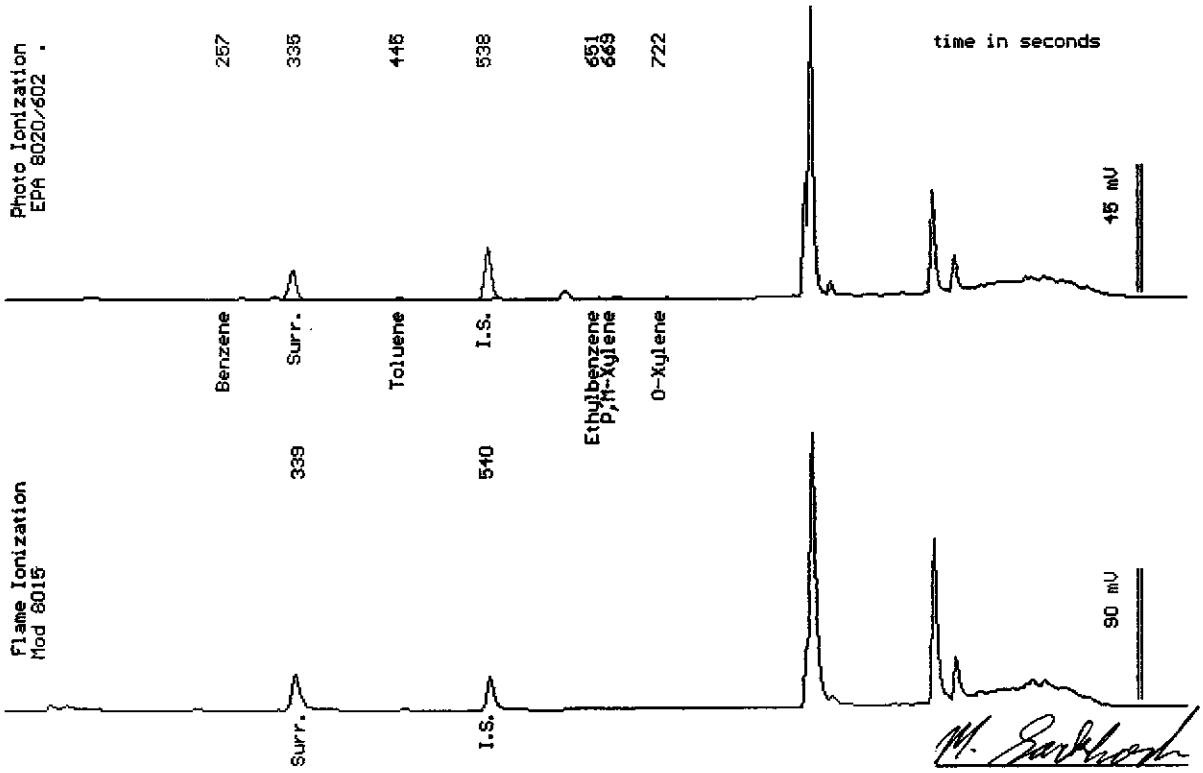
Sample Log 8211
8211-5

Sample: **STK1-A-D**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Dilution : 1:1 QC Batch : 6075b
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
TPH as Gasoline	(.50)	1.8 *
Surrogate Recovery		100 %

* Product is not typical gasoline.



Date Analyzed: 12-24-93
Column : 0.53mm ID X 30m DB5 (J&W Scientific)

M. Sarkhosh

Mitra Sarkhosh
Senior Chemist

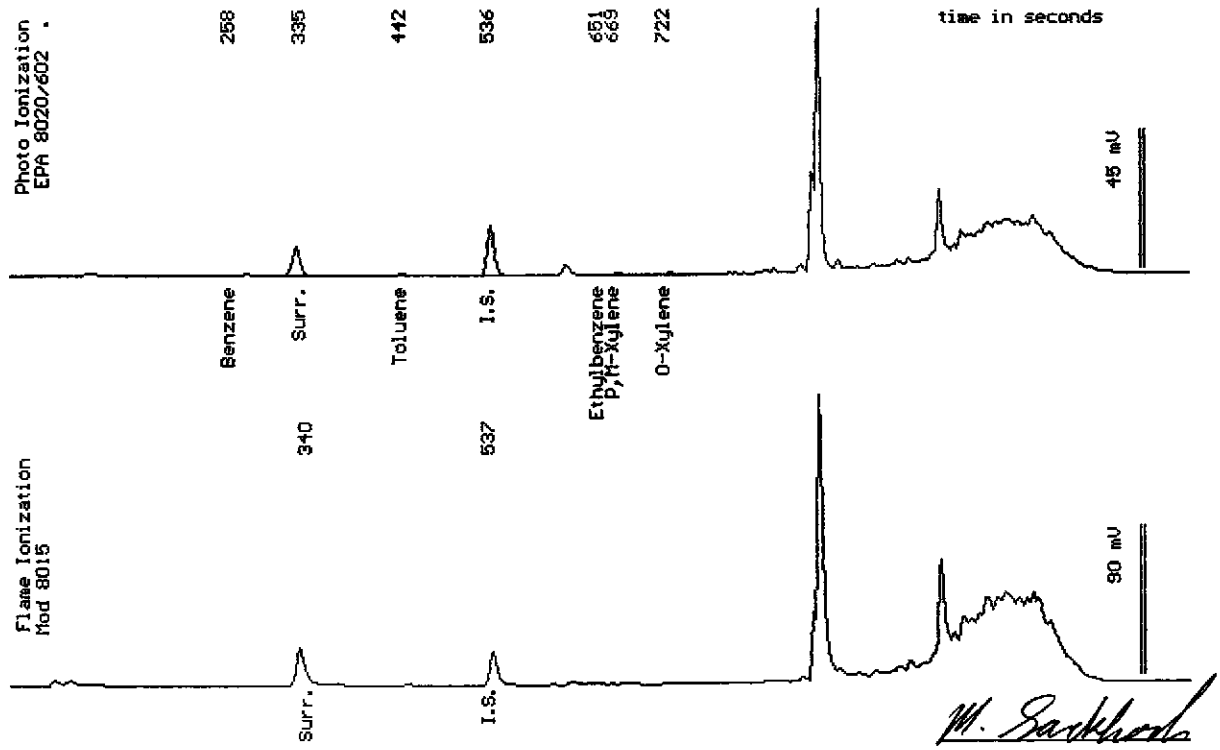
Sample Log 8211
8211-6

Sample: STK1-E-H

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Dilution : 1:1 QC Batch : 6075b
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
TPH as Gasoline	(.50)	3.3 *
Surrogate Recovery		102 %

* Product is not typical gasoline.



Date Analyzed: 12-24-93
Column : 0.53mm ID X 30m DB5 (J&W Scientific)

M. Sarkhosh

Mitra Sarkhosh
Senior Chemist

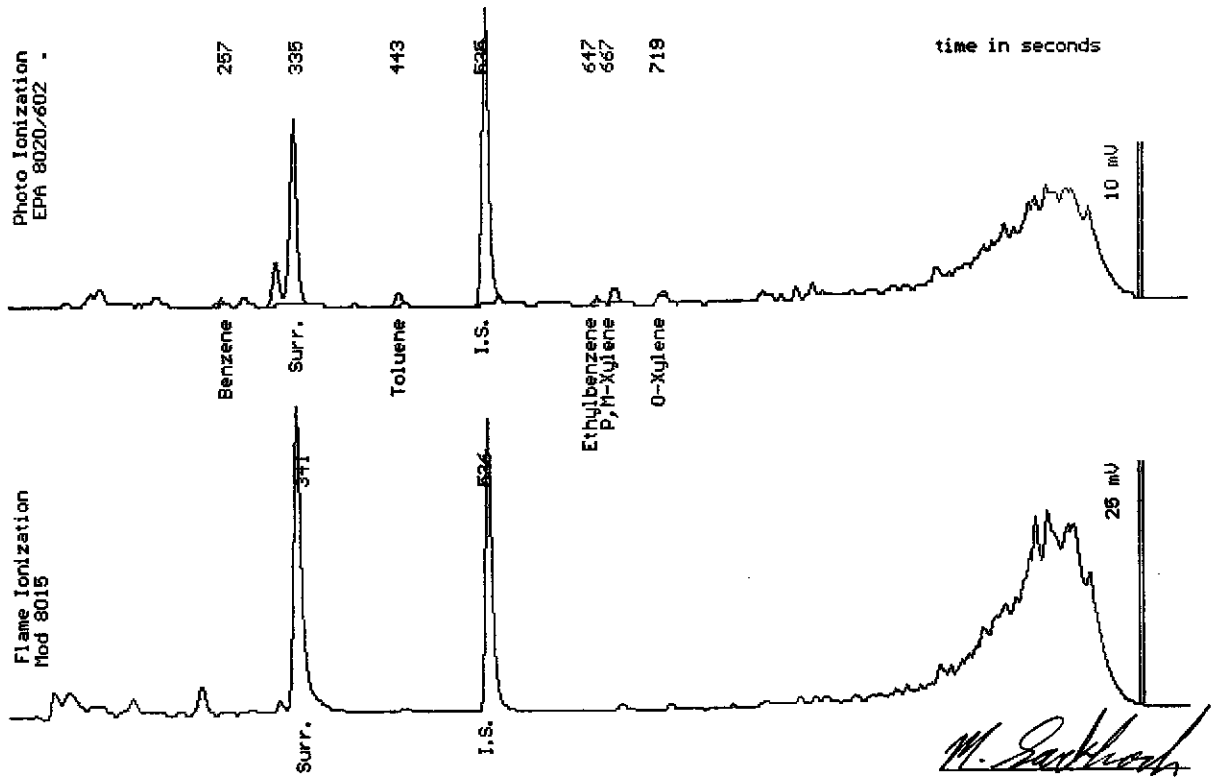
Sample Log 8211
8211-7

Sample: **STK2-A-B**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Dilution : 1:1 QC Batch : 6075b
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	.0068
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	.012
TPH as Gasoline	(.50)	1.9 *
Surrogate Recovery		101 %

* Product is not typical gasoline.



Date Analyzed: 12-24-93
Column : 0.53mm ID X 30m DB5 (J&W Scientific)

M. Sarkhosh

Mitra Sarkhosh
Senior Chemist

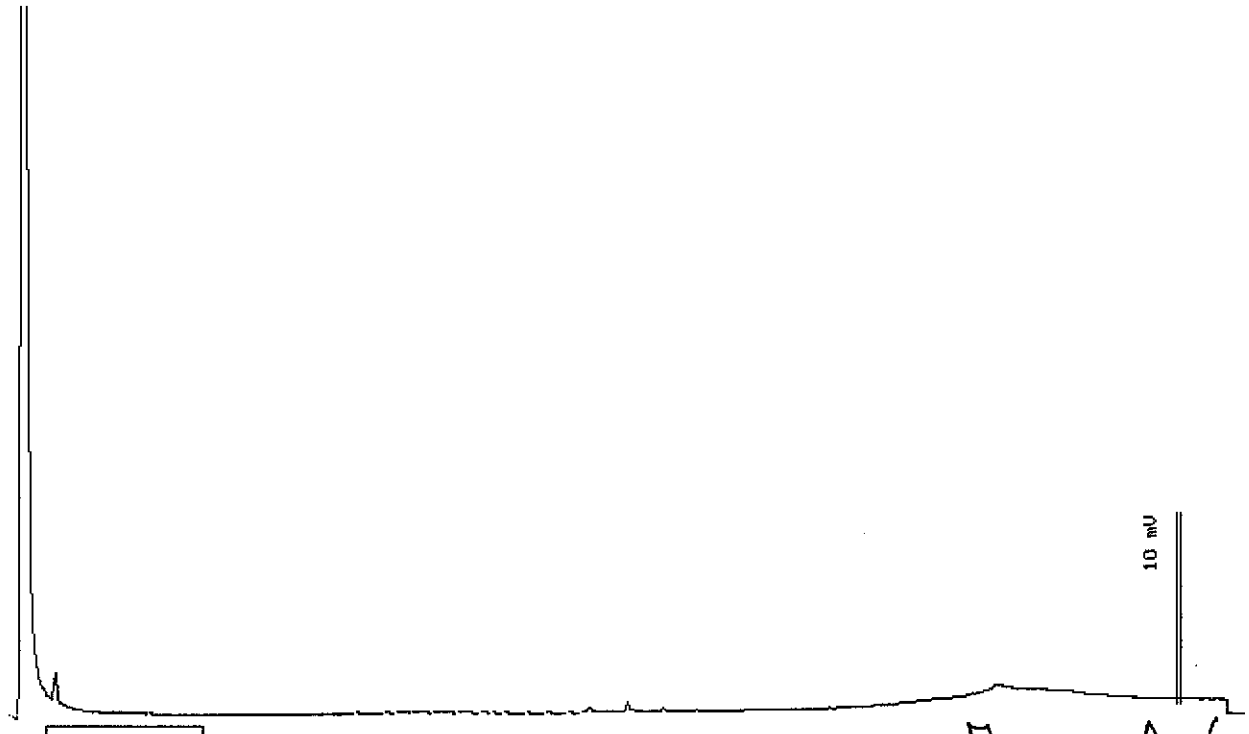
Sample Log 8211

8211-1

Sample: **PF1**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Extracted: 12/23/93 QC Batch : DS931210
Dilution : 1:1 Run Log : 8142A
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	<10
TPH as Motor Oil	(10)	<10



EPA Mod 8015

Date: 12-23-93 Time: 20:15:45
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

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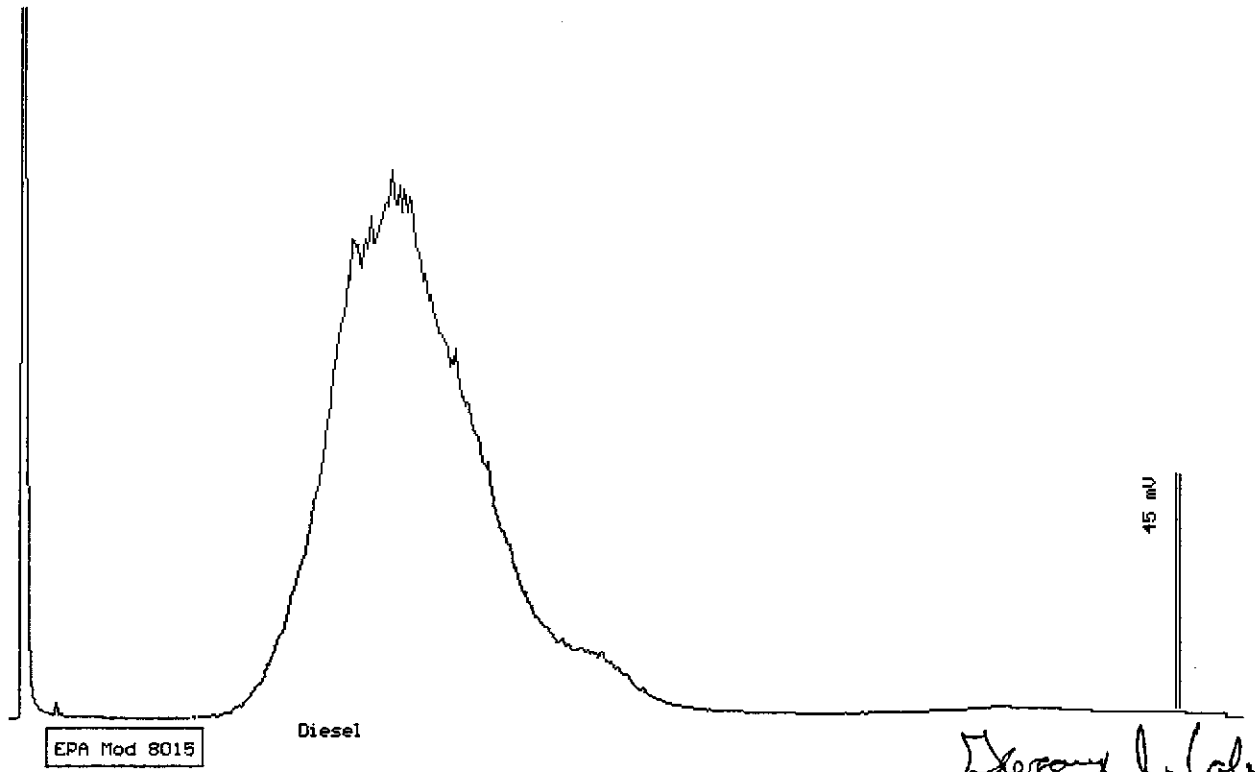
Sample Log 8211

8211-2

Sample: PF2

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Extracted: 12/23/93 QC Batch : DS931210
Dilution : 1:5 Run Log : 8142A
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(50)	2600
TPH as Motor Oil	(50)	<50



Date: 12-23-93 Time: 21:55:44
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

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Sample Log 8211

8211-3

Sample: **PF3**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Extracted: 12/23/93 QC Batch : DS931210
Dilution : 1:1 Run Log : 8142A
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	<10
TPH as Motor Oil	(10)	<10

Date: 12-23-93 Time: 22:28:56
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

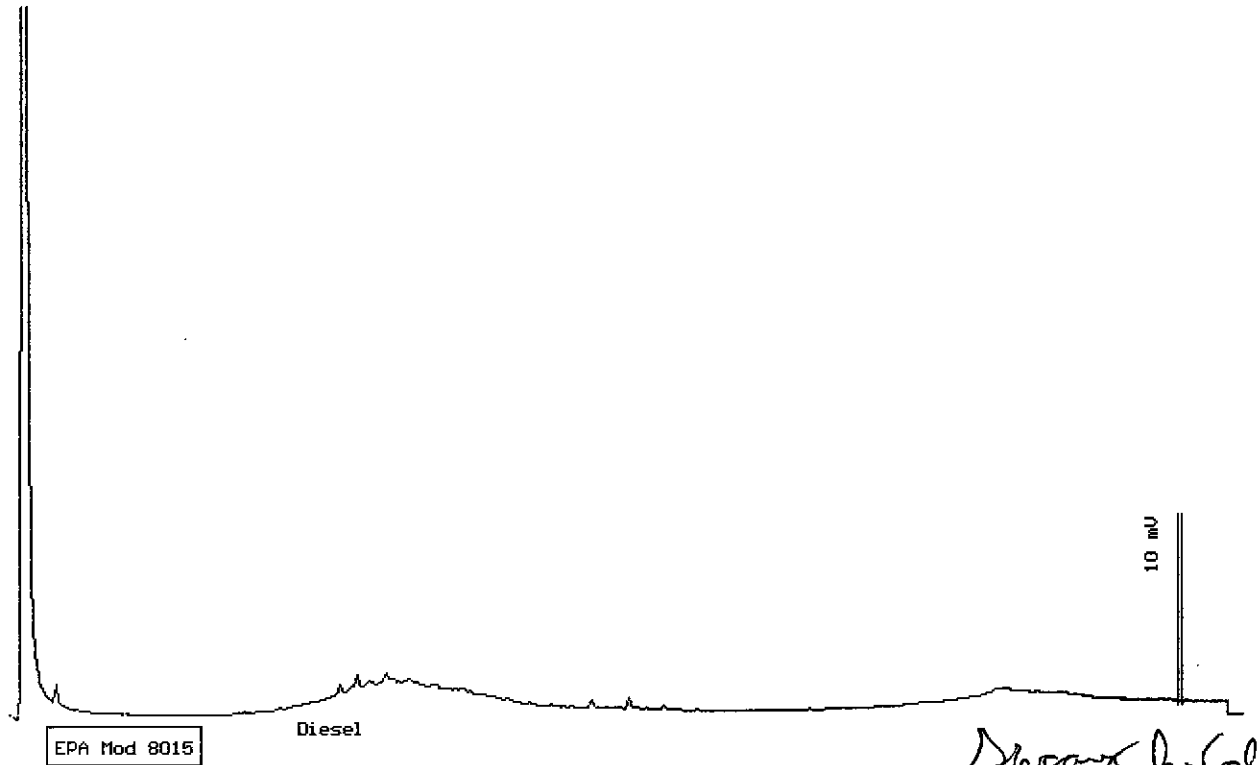
Sample Log 8211

8211-4

Sample: **PF4**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Extracted: 12/23/93 QC Batch : DS931210
Dilution : 1:1 Run Log : 8142A
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	10
TPH as Motor Oil	(10)	<10



Date: 12-23-93 Time: 23:01:45
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

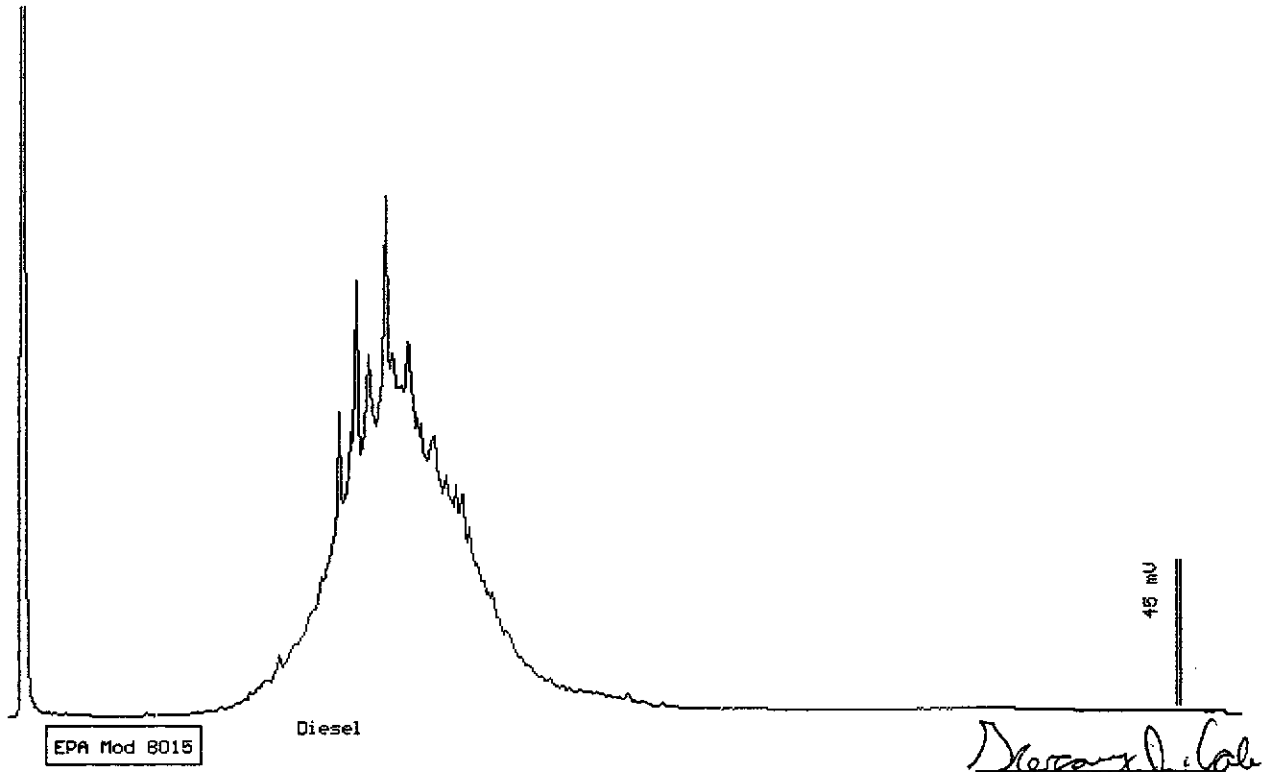
Sample Log 8211

8211-5

Sample: **STK1-A-D**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Extracted: 12/23/93 QC Batch : DS931210
Dilution : 1:1 Run Log : 8142A
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	500
TPH as Motor Oil	(10)	<10



Date: 12-23-93 Time: 23:34:53
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

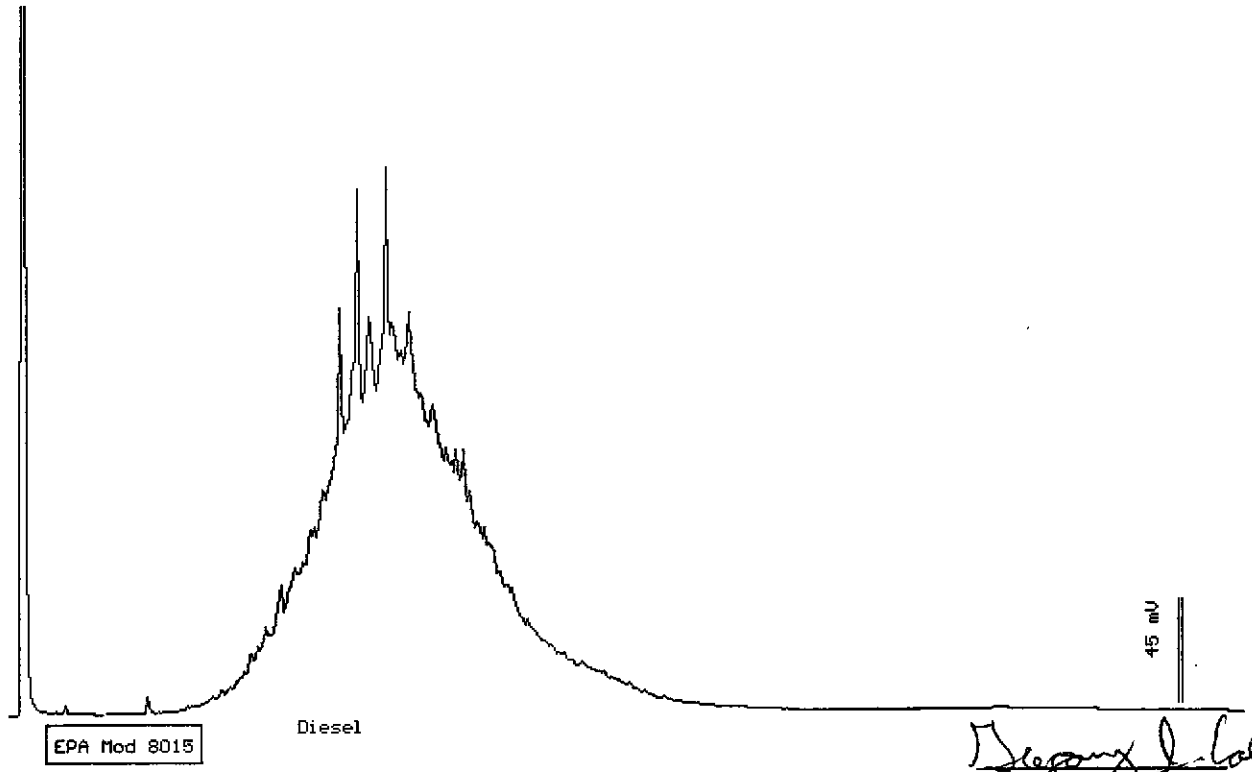
Sample Log 8211

8211-6

Sample: **STK1-E-H**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Extracted: 12/23/93 QC Batch : DS931210
Dilution : 1:1 Run Log : 8142A
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	920
TPH as Motor Oil	(10)	<10



Date: 12-24-93 Time: 00:07:47
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

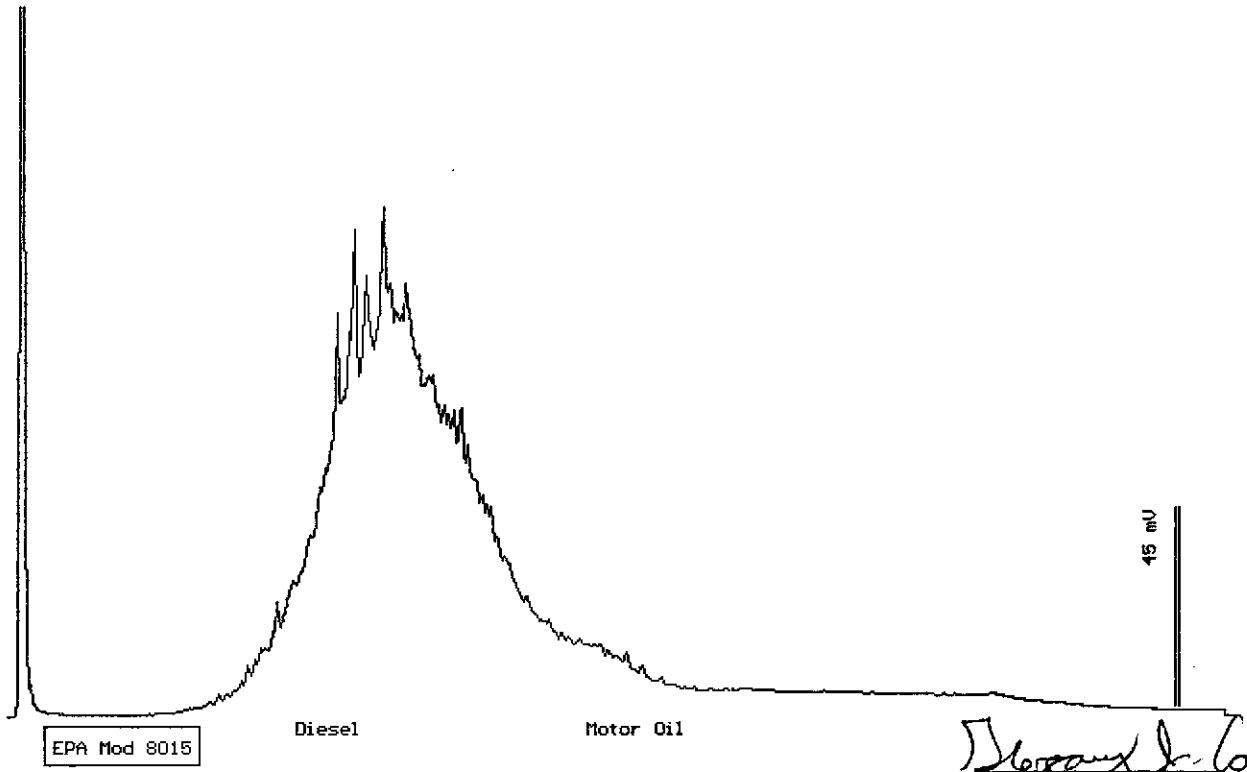
Sample Log 8211

8211-7

Sample: **STK2-A-B**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Extracted: 12/23/93 QC Batch : DS931210
Dilution : 1:1 Run Log : 8142A
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	560
TPH as Motor Oil	(10)	20



Date: 12-24-93 Time: 01:44:21
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

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December 25, 1993
Sample Log 8211
8211-1

Sample: **PF1**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil

Received : 12/22/93
Analyzed : 12/23/93

8010 - Halogenated Volatile Organics

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Chloromethane	(.005)	<.005	
Chloroethane	(0.01)	<0.01	
Vinyl Chloride	(.005)	<.005	
Bromomethane	(0.01)	<0.01	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(.005)	<.005	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	<.005	
1,1-Dichloroethane	(.005)	<.005	
Chloroform	(.005)	<.005	
1,1,1-Trichloroethane	(.005)	<.005	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.005)	<.005	
1,2-Dichloropropane	(.005)	<.005	
Trichloroethene	(.005)	<.005	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	<.005	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.005)	<.005	
Dibromochloromethane	(.005)	<.005	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.005)	<.005	
1,4-Dichlorobenzene	(.005)	<.005	
1,3-Dichlorobenzene	(.005)	<.005	
1,2-Dichlorobenzene	(.005)	<.005	
2-Chlorotoluene (Surrogate)		72	%

Joel Kiff
Senior Chemist

December 28, 1993
Sample Log 8211
8211-2

Sample: **PF2**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil

Received : 12/22/93
Analyzed : 12/23/93

8010 - Halogenated Volatile Organics

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Chloromethane	(.005)	<.005	
Chloroethane	(0.01)	<0.01	
Vinyl Chloride	(.005)	<.005	
Bromomethane	(0.01)	<0.01	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(.005)	<.005	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	<.005	
1,1-Dichloroethane	(.005)	<.005	
Chloroform	(.005)	<.005	
1,1,1-Trichloroethane	(.005)	<.005	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.005)	<.005	
1,2-Dichloropropane	(.005)	<.005	
Trichloroethene	(.005)	<.005	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	<.005	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.005)	<.005	
Dibromochloromethane	(.005)	<.005	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.005)	<.005	
1,4-Dichlorobenzene	(.005)	<.005	
1,3-Dichlorobenzene	(.005)	<.005	
1,2-Dichlorobenzene	(.005)	<.005	
2-Chlorotoluene (Surrogate)		35 %	*

* 2-Cholrotoluene recovery is usually low when the sample contains petroleum hydrocarbons. Bromochloromethane, the internal standard compound, recovered at 86% of normal, indicating that the petroleum interference does not apply to all compounds.

Joel Kiff
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December 25, 1993
Sample Log 8211
8211-3

Sample: **PF3**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil

Received : 12/22/93
Analyzed : 12/23/93

8010 - Halogenated Volatile Organics

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Chloromethane	(.005)	<.005	
Chloroethane	(0.01)	<0.01	
Vinyl Chloride	(.005)	<.005	
Bromomethane	(0.01)	<0.01	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(.005)	<.005	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	<.005	
1,1-Dichloroethane	(.005)	<.005	
Chloroform	(.005)	<.005	
1,1,1-Trichloroethane	(.005)	<.005	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.005)	<.005	
1,2-Dichloropropane	(.005)	<.005	
Trichloroethene	(.005)	<.005	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	<.005	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.005)	<.005	
Dibromochloromethane	(.005)	<.005	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.005)	<.005	
1,4-Dichlorobenzene	(.005)	<.005	
1,3-Dichlorobenzene	(.005)	<.005	
1,2-Dichlorobenzene	(.005)	<.005	
2-Chlorotoluene (Surrogate)		82	%

Joel Kiff
Senior Chemist

December 25, 1993
Sample Log 8211
8211-4

Sample: **PF4**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil

Received : 12/22/93
Analyzed : 12/23/93

8010 - Halogenated Volatile Organics

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Chloromethane	(.005)	<.005	
Chloroethane	(0.01)	<0.01	
Vinyl Chloride	(.005)	<.005	
Bromomethane	(0.01)	<0.01	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(.005)	<.005	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	<.005	
1,1-Dichloroethane	(.005)	<.005	
Chloroform	(.005)	<.005	
1,1,1-Trichloroethane	(.005)	<.005	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.005)	<.005	
1,2-Dichloropropane	(.005)	<.005	
Trichloroethene	(.005)	<.005	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	<.005	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.005)	<.005	
Dibromochloromethane	(.005)	<.005	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.005)	<.005	
1,4-Dichlorobenzene	(.005)	<.005	
1,3-Dichlorobenzene	(.005)	<.005	
1,2-Dichlorobenzene	(.005)	<.005	
2-Chlorotoluene (Surrogate)		72 %	

Joel Kiff
Senior Chemist

December 28, 1993
Sample Log 8211
8211-5

Sample: **STK1-A-D**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil

Received : 12/22/93
Analyzed : 12/23/93

8010 - Halogenated Volatile Organics

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Chloromethane	(.005)	<.005	
Chloroethane	(0.01)	<0.01	
Vinyl Chloride	(.005)	<.005	
Bromomethane	(0.01)	<0.01	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(.005)	<.005	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	<.005	
1,1-Dichloroethane	(.005)	<.005	
Chloroform	(.005)	<.005	
1,1,1-Trichloroethane	(.005)	<.005	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.005)	<.005	
1,2-Dichloropropane	(.005)	<.005	
Trichloroethene	(.005)	<.005	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	<.005	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.005)	<.005	
Dibromochloromethane	(.005)	<.005	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.005)	<.005	
1,4-Dichlorobenzene	**(.005)**	**.19**	
1,3-Dichlorobenzene	**(.005)**	**.059**	
1,2-Dichlorobenzene	**(.005)**	**.0050**	
2-Chlorotoluene (Surrogate)		72 %	

Joel Kiff
Senior Chemist

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December 28, 1993
Sample Log 8211
8211-6

Sample: **STK1-E-H**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil

Received : 12/22/93
Analyzed : 12/25/93

8010 - Halogenated Volatile Organics

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Chloromethane	(.005)	<.005	
Chloroethane	(0.01)	<0.01	
Vinyl Chloride	(.005)	<.005	
Bromomethane	(0.01)	<0.01	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(.005)	<.005	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	<.005	
1,1-Dichloroethane	(.005)	<.005	
Chloroform	(.005)	<.005	
1,1,1-Trichloroethane	(.005)	<.005	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.005)	<.005	
1,2-Dichloropropane	(.005)	<.005	
Trichloroethene	(.005)	<.005	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	<.005	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.005)	<.005	
Dibromochloromethane	(.005)	<.005	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.005)	<.005	
1,4-Dichlorobenzene	**(.005)**	**.64**	
1,3-Dichlorobenzene	**(.005)**	**.18**	
1,2-Dichlorobenzene	(.005)	<.005	
2-Chlorotoluene (Surrogate)		50 %	*

* 2-Cholrotoluene recovery is usually low when the sample contains petroleum hydrocarbons. Bromochloromethane, the internal standard compound, recovered at 109% of normal, indicating that the petroleum interference does not apply to all compounds.

Joel Kiff
Senior Chemist

December 28, 1993
Sample Log 8211
8211-7

Sample: **STK2-A-B**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil

Received : 12/22/93
Analyzed : 12/23/93

8010 - Halogenated Volatile Organics

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Chloromethane	(.005)	<.005	
Chloroethane	(0.01)	<0.01	
Vinyl Chloride	(.005)	<.005	
Bromomethane	(0.01)	<0.01	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(.005)	<.005	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	<.005	
1,1-Dichloroethane	**(.005)**	**.034**	
Chloroform	(.005)	<.005	
1,1,1-Trichloroethane	**(.005)**	**.11**	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.005)	<.005	
1,2-Dichloropropane	(.005)	<.005	
Trichloroethene	**(.005)**	**.036**	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	<.005	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.005)	<.005	
Dibromochloromethane	(.005)	<.005	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.005)	<.005	
1,4-Dichlorobenzene	(.005)	<.005	
1,3-Dichlorobenzene	(.005)	<.005	
1,2-Dichlorobenzene	(.005)	<.005	
2-Chlorotoluene (Surrogate)		50 % *	

* 2-Cholrotoluene recovery is usually low when the sample contains petroleum hydrocarbons. Bromochloromethane, the internal standard compound, recovered at 94% of normal, indicating that the petroleum interference does not apply to all compounds.

Joel Kiff
Senior Chemist

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December 28, 1993
Sample Log 8211

Sample: PF1

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Received : 12/22/93
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Cadmium	(0.4)	1.8
Chromium	(0.7)	51
Lead	(10)	<10
Zinc	(1.0)	73
Nickel	(1.5)	46

D. Podolsky

Stewart Podolsky
Senior Chemist

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December 28, 1993
Sample Log 8211

Sample: **PF2**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Received : 12/22/93
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Cadmium	(0.4)	2.2
Chromium	(0.7)	44
Lead	(10)	47
Zinc	(1.0)	110
Nickel	(1.5)	57

Stewart Podolsky
Senior Chemist

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December 28, 1993
Sample Log 8211

Sample: **PF3**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Received : 12/22/93
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Cadmium	(0.4)	1.7
Chromium	(0.7)	41
Lead	(10)	<10
Zinc	(1.0)	61
Nickel	(1.5)	40

Stewart Podolsky
Senior Chemist

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December 28, 1993
Sample Log 8211

Sample: PF4

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Received : 12/22/93
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Cadmium	(0.4)	2.0
Chromium	(0.7)	51
Lead	(10)	<10
Zinc	(1.0)	61
Nickel	(1.5)	43

Stewart Podolsky
Senior Chemist

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December 28, 1993
Sample Log 8211

Sample: **STK1-A-D**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Received : 12/22/93
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Cadmium	(0.4)	1.9
Chromium	(0.7)	51
Lead	(10)	37
Zinc	(1.0)	220
Nickel	(1.5)	41

Stewart Podolsky
Senior Chemist

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December 28, 1993
Sample Log 8211

Sample: **STK2-A-B**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Received : 12/22/93
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Cadmium	(0.4)	2.1
Chromium	(0.7)	89
Lead	(10)	46
Zinc	(1.0)	67
Nickel	(1.5)	46

S. Podolsky
Stewart Podolsky
Senior Chemist

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December 28, 1993
Sample Log 8211

Sample: **STK1-E-H**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Received : 12/22/93
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Cadmium	(0.4)	2.1
Chromium	(0.7)	53
Lead	(10)	28
Zinc	(1.0)	89
Nickel	(1.5)	46

Stewart Podolsky
Senior Chemist

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January 3, 1994
Sample Log 8211

Sample: **PF1**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/28/93

Received : 12/22/93
Analyzed : 12/30/93

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Acenaphthene	(0.70)	<0.70	
Acenaphthylene	(0.70)	<0.70	
Anthracene	(0.70)	<0.70	
Benzo (a) anthracene	(0.70)	<0.70	
Benzo (b) fluoranthene	(0.70)	<0.70	
Benzo (k) fluoranthene	(0.70)	<0.70	
Benzo (a) pyrene	(0.70)	<0.70	
Benzo (ghi) perylene	(0.70)	<0.70	
Butyl benzyl phthalate	(0.70)	<0.70	
bis (2-chloroethyl) ether	(0.70)	<0.70	
bis (2-chloroethoxy) methane	(0.70)	<0.70	
bis (2-ethylhexyl) phthalate	(0.70)	<0.70	
bis (2-chloroisopropyl) ether	(0.70)	<0.70	
4-Bromophenyl phenyl ether	(0.70)	<0.70	
2-Chloronaphthalene	(0.70)	<0.70	
4-Chlorophenyl phenyl ether	(0.70)	<0.70	
Chrysene	(0.70)	<0.70	
Dibenzo (ah) anthracene	(0.70)	<0.70	
Di-n-butyl phthalate	(0.70)	<0.70	
Di-n-octyl phthalate	(0.70)	<0.70	
1,3-Dichlorobenzene	(0.70)	<0.70	
1,2-Dichlorobenzene	(0.70)	<0.70	
1,4-Dichlorobenzene	(0.70)	<0.70	
3,3'-Dichlorobenzidine	(1.4)	< 1.4	
Diethyl phthalate	(0.70)	<0.70	
Dimethyl phthalate	(0.70)	<0.70	
2,4-Dinitrotoluene	(0.70)	<0.70	

Joel Kiff
Senior Chemist

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January 3, 1994
Sample Log 8211

Sample: PF1

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/28/93

Received : 12/22/93
Analyzed : 12/30/93

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
2,6-Dinitrotoluene	(0.70)	<0.70	
Fluoranthene	(0.70)	<0.70	
Fluorene	(0.70)	<0.70	
Hexachlorobenzene	(0.70)	<0.70	
Hexachlorobutadiene	(0.70)	<0.70	
Hexachloroethane	(0.70)	<0.70	
Indeno (1,2,3-cd) pyrene	(0.70)	<0.70	
Isophorone	(0.70)	<0.70	
Naphthalene	(0.70)	<0.70	
Nitrobenzene	(0.70)	<0.70	
n-Nitrosodi-n-propylamine	(0.70)	<0.70	
Phenanthrene	(0.70)	<0.70	
Pyrene	(0.70)	<0.70	
1,2,4-Trichlorobenzene	(0.70)	<0.70	
Hexachlorocyclopentadiene	(0.70)	<0.70	
n-Nitrosodimethylamine	(0.70)	<0.70	
n-Nitrosodiphenylamine	(0.70)	<0.70	
4-Chloro-3-methylphenol	(1.4)	< 1.4	
2-Chlorophenol	(0.70)	<0.70	
2,4-Dichlorophenol	(0.70)	<0.70	
2,4-Dimethylphenol	(0.70)	<0.70	
2,4-Dinitrophenol	(3.5)	< 3.5	
2-Methyl-4,6-dinitrophenol	(3.5)	< 3.5	
2-Nitrophenol	(0.70)	<0.70	
4-Nitrophenol	(3.5)	< 3.5	
Pentachlorophenol	(3.5)	< 3.5	
Phenol	(0.70)	<0.70	
2,4,6-Trichlorophenol	(0.70)	<0.70	

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January 3, 1994
Sample Log 8211

Sample: PF2

From : Project # 649001 (PG&E)
Sampled : 12/22/93 Received : 12/22/93
Matrix : Soil Analyzed : 12/29/93
Extracted : 12/28/93

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Acenaphthene	(0.70)	<0.70	
Acenaphthylene	(0.70)	<0.70	
Anthracene	(0.70)	<0.70	
Benzo (a) anthracene	(0.70)	<0.70	
Benzo (b) fluoranthene	(0.70)	<0.70	
Benzo (k) fluoranthene	(0.70)	<0.70	
Benzo (a) pyrene	(0.70)	<0.70	
Benzo (ghi) perylene	(0.70)	<0.70	
Butyl benzyl phthalate	(0.70)	<0.70	
bis (2-chloroethyl) ether	(0.70)	<0.70	
bis (2-chloroethoxy) methane	(0.70)	<0.70	
bis (2-ethylhexyl) phthalate	(0.70)	<0.70	
bis (2-chloroisopropyl) ether	(0.70)	<0.70	
4-Bromophenyl phenyl ether	(0.70)	<0.70	
2-Chloronaphthalene	(0.70)	<0.70	
4-Chlorophenyl phenyl ether	(0.70)	<0.70	
Chrysene	(0.70)	<0.70	
Dibenzo (ah) anthracene	(0.70)	<0.70	
Di-n-butyl phthalate	(0.70)	<0.70	
Di-n-octyl phthalate	(0.70)	<0.70	
1,3-Dichlorobenzene	(0.70)	<0.70	
1,2-Dichlorobenzene	(0.70)	<0.70	
1,4-Dichlorobenzene	(0.70)	<0.70	
3,3'-Dichlorobenzidine	(1.4)	< 1.4	
Diethyl phthalate	(0.70)	<0.70	
Dimethyl phthalate	(0.70)	<0.70	
2,4-Dinitrotoluene	(0.70)	<0.70	

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January 3, 1994
Sample Log 8211

Sample: PF2

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/28/93

Received : 12/22/93
Analyzed : 12/29/93

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
2,6-Dinitrotoluene	(0.70)	<0.70	
Fluoranthene	(0.70)	<0.70	
Fluorene	(0.70)	<0.70	
Hexachlorobenzene	(0.70)	<0.70	
Hexachlorobutadiene	(0.70)	<0.70	
Hexachloroethane	(0.70)	<0.70	
Indeno (1,2,3-cd) pyrene	(0.70)	<0.70	
Isophorone	(0.70)	<0.70	
Naphthalene	(0.70)	<0.70	
Nitrobenzene	(0.70)	<0.70	
n-Nitrosodi-n-propylamine	(0.70)	<0.70	
Phenanthrene	(0.70)	<0.70	
Pyrene	(0.70)	<0.70	
1,2,4-Trichlorobenzene	(0.70)	<0.70	
Hexachlorocyclopentadiene	(0.70)	<0.70	
n-Nitrosodimethylamine	(0.70)	<0.70	
n-Nitrosodiphenylamine	(0.70)	<0.70	
4-Chloro-3-methylphenol	(1.4)	< 1.4	
2-Chlorophenol	(0.70)	<0.70	
2,4-Dichlorophenol	(0.70)	<0.70	
2,4-Dimethylphenol	(0.70)	<0.70	
2,4-Dinitrophenol	(3.5)	< 3.5	
2-Methyl-4,6-dinitrophenol	(3.5)	< 3.5	
2-Nitrophenol	(0.70)	<0.70	
4-Nitrophenol	(3.5)	< 3.5	
Pentachlorophenol	(3.5)	< 3.5	
Phenol	(0.70)	<0.70	
2,4,6-Trichlorophenol	(0.70)	<0.70	

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January 3, 1994
Sample Log 8211

Sample: **PF3**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/28/93

Received : 12/22/93
Analyzed : 12/29/93

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Acenaphthene	(0.70)	<0.70	
Acenaphthylene	(0.70)	<0.70	
Anthracene	(0.70)	<0.70	
Benzo (a) anthracene	(0.70)	<0.70	
Benzo (b) fluoranthene	(0.70)	<0.70	
Benzo (k) fluoranthene	(0.70)	<0.70	
Benzo (a) pyrene	(0.70)	<0.70	
Benzo (ghi) perylene	(0.70)	<0.70	
Butyl benzyl phthalate	(0.70)	<0.70	
bis (2-chloroethyl) ether	(0.70)	<0.70	
bis (2-chloroethoxy) methane	(0.70)	<0.70	
bis (2-ethylhexyl) phthalate	(0.70)	<0.70	
bis (2-chloroisopropyl) ether	(0.70)	<0.70	
4-Bromophenyl phenyl ether	(0.70)	<0.70	
2-Chloronaphthalene	(0.70)	<0.70	
4-Chlorophenyl phenyl ether	(0.70)	<0.70	
Chrysene	(0.70)	<0.70	
Dibenzo (ah) anthracene	(0.70)	<0.70	
Di-n-butyl phthalate	(0.70)	<0.70	
Di-n-octyl phthalate	(0.70)	<0.70	
1,3-Dichlorobenzene	(0.70)	<0.70	
1,2-Dichlorobenzene	(0.70)	<0.70	
1,4-Dichlorobenzene	(0.70)	<0.70	
3,3'-Dichlorobenzidine	(1.4)	< 1.4	
Diethyl phthalate	(0.70)	<0.70	
Dimethyl phthalate	(0.70)	<0.70	
2,4-Dinitrotoluene	(0.70)	<0.70	

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Sample Log 8211

Sample: PF3

From : Project # 649001 (PG&E)
Sampled : 12/22/93 Received : 12/22/93
Matrix : Soil Analyzed : 12/29/93
Extracted : 12/28/93

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
2,6-Dinitrotoluene	(0.70)	<0.70	
Fluoranthene	(0.70)	<0.70	
Fluorene	(0.70)	<0.70	
Hexachlorobenzene	(0.70)	<0.70	
Hexachlorobutadiene	(0.70)	<0.70	
Hexachloroethane	(0.70)	<0.70	
Indeno (1,2,3-cd) pyrene	(0.70)	<0.70	
Isophorone	(0.70)	<0.70	
Naphthalene	(0.70)	<0.70	
Nitrobenzene	(0.70)	<0.70	
n-Nitrosodi-n-propylamine	(0.70)	<0.70	
Phenanthrene	(0.70)	<0.70	
Pyrene	(0.70)	<0.70	
1,2,4-Trichlorobenzene	(0.70)	<0.70	
Hexachlorocyclopentadiene	(0.70)	<0.70	
n-Nitrosodimethylamine	(0.70)	<0.70	
n-Nitrosodiphenylamine	(0.70)	<0.70	
4-Chloro-3-methylphenol	(1.4)	< 1.4	
2-Chlorophenol	(0.70)	<0.70	
2,4-Dichlorophenol	(0.70)	<0.70	
2,4-Dimethylphenol	(0.70)	<0.70	
2,4-Dinitrophenol	(3.5)	< 3.5	
2-Methyl-4,6-dinitrophenol	(3.5)	< 3.5	
2-Nitrophenol	(0.70)	<0.70	
4-Nitrophenol	(3.5)	< 3.5	
Pentachlorophenol	(3.5)	< 3.5	
Phenol	(0.70)	<0.70	
2,4,6-Trichlorophenol	(0.70)	<0.70	

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January 3, 1994
Sample Log 8211

Sample: **PF4**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/28/93

Received : 12/22/93
Analyzed : 12/29/93

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Acenaphthene	(0.70)	<0.70	
Acenaphthylene	(0.70)	<0.70	
Anthracene	(0.70)	<0.70	
Benzo (a) anthracene	(0.70)	<0.70	
Benzo (b) fluoranthene	(0.70)	<0.70	
Benzo (k) fluoranthene	(0.70)	<0.70	
Benzo (a) pyrene	(0.70)	<0.70	
Benzo (ghi) perylene	(0.70)	<0.70	
Butyl benzyl phthalate	(0.70)	<0.70	
bis (2-chloroethyl) ether	(0.70)	<0.70	
bis (2-chloroethoxy) methane	(0.70)	<0.70	
bis (2-ethylhexyl) phthalate	(0.70)	<0.70	
bis (2-chloroisopropyl) ether	(0.70)	<0.70	
4-Bromophenyl phenyl ether	(0.70)	<0.70	
2-Chloronaphthalene	(0.70)	<0.70	
4-Chlorophenyl phenyl ether	(0.70)	<0.70	
Chrysene	(0.70)	<0.70	
Dibenzo (ah) anthracene	(0.70)	<0.70	
Di-n-butyl phthalate	(0.70)	<0.70	
Di-n-octyl phthalate	(0.70)	<0.70	
1,3-Dichlorobenzene	(0.70)	<0.70	
1,2-Dichlorobenzene	(0.70)	<0.70	
1,4-Dichlorobenzene	(0.70)	<0.70	
3,3'-Dichlorobenzidine	(1.4)	< 1.4	
Diethyl phthalate	(0.70)	<0.70	
Dimethyl phthalate	(0.70)	<0.70	
2,4-Dinitrotoluene	(0.70)	<0.70	

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January 3, 1994
Sample Log 8211

Sample: **PF4**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/28/93

Received : 12/22/93
Analyzed : 12/29/93

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
2,6-Dinitrotoluene	(0.70)	<0.70	
Fluoranthene	(0.70)	<0.70	
Fluorene	(0.70)	<0.70	
Hexachlorobenzene	(0.70)	<0.70	
Hexachlorobutadiene	(0.70)	<0.70	
Hexachloroethane	(0.70)	<0.70	
Indeno (1,2,3-cd) pyrene	(0.70)	<0.70	
Isophorone	(0.70)	<0.70	
Naphthalene	(0.70)	<0.70	
Nitrobenzene	(0.70)	<0.70	
n-Nitrosodi-n-propylamine	(0.70)	<0.70	
Phenanthrene	(0.70)	<0.70	
Pyrene	(0.70)	<0.70	
1,2,4-Trichlorobenzene	(0.70)	<0.70	
Hexachlorocyclopentadiene	(0.70)	<0.70	
n-Nitrosodimethylamine	(0.70)	<0.70	
n-Nitrosodiphenylamine	(0.70)	<0.70	
4-Chloro-3-methylphenol	(1.4)	< 1.4	
2-Chlorophenol	(0.70)	<0.70	
2,4-Dichlorophenol	(0.70)	<0.70	
2,4-Dimethylphenol	(0.70)	<0.70	
2,4-Dinitrophenol	(3.5)	< 3.5	
2-Methyl-4,6-dinitrophenol	(3.5)	< 3.5	
2-Nitrophenol	(0.70)	<0.70	
4-Nitrophenol	(3.5)	< 3.5	
Pentachlorophenol	(3.5)	< 3.5	
Phenol	(0.70)	<0.70	
2,4,6-Trichlorophenol	(0.70)	<0.70	

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January 3, 1994
Sample Log 8211

Sample: **STK1-A-D**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/28/93

Received : 12/22/93
Analyzed : 12/29/93

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Acenaphthene	(0.70)	<0.70	
Acenaphthylene	(0.70)	<0.70	
Anthracene	(0.70)	<0.70	
Benzo (a) anthracene	(0.70)	<0.70	
Benzo (b) fluoranthene	(0.70)	<0.70	
Benzo (k) fluoranthene	(0.70)	<0.70	
Benzo (a) pyrene	(0.70)	<0.70	
Benzo (ghi) perylene	(0.70)	<0.70	
Butyl benzyl phthalate	(0.70)	<0.70	
bis (2-chloroethyl) ether	(0.70)	<0.70	
bis (2-chloroethoxy) methane	(0.70)	<0.70	
bis (2-ethylhexyl) phthalate	(0.70)	<0.70	
bis (2-chloroisopropyl) ether	(0.70)	<0.70	
4-Bromophenyl phenyl ether	(0.70)	<0.70	
2-Chloronaphthalene	(0.70)	<0.70	
4-Chlorophenyl phenyl ether	(0.70)	<0.70	
Chrysene	(0.70)	<0.70	
Dibenzo (ah) anthracene	(0.70)	<0.70	
Di-n-butyl phthalate	(0.70)	<0.70	
Di-n-octyl phthalate	(0.70)	<0.70	
1,3-Dichlorobenzene	(0.70)	<0.70	
1,2-Dichlorobenzene	(0.70)	<0.70	
1,4-Dichlorobenzene	(0.70)	<0.70	
3,3'-Dichlorobenzidine	(1.4)	< 1.4	
Diethyl phthalate	(0.70)	<0.70	
Dimethyl phthalate	(0.70)	<0.70	
2,4-Dinitrotoluene	(0.70)	<0.70	

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January 3, 1994
Sample Log 8211

Sample: **STK1-A-D**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/28/93

Received : 12/22/93
Analyzed : 12/29/93

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
2,6-Dinitrotoluene	(0.70)	<0.70	
Fluoranthene	(0.70)	<0.70	
Fluorene	(0.70)	<0.70	
Hexachlorobenzene	(0.70)	<0.70	
Hexachlorobutadiene	(0.70)	<0.70	
Hexachloroethane	(0.70)	<0.70	
Indeno (1,2,3-cd) pyrene	(0.70)	<0.70	
Isophorone	(0.70)	<0.70	
Naphthalene	(0.70)	<0.70	
Nitrobenzene	(0.70)	<0.70	
n-Nitrosodi-n-propylamine	(0.70)	<0.70	
Phenanthrene	(0.70)	<0.70	
Pyrene	(0.70)	<0.70	
1,2,4-Trichlorobenzene	(0.70)	<0.70	
Hexachlorocyclopentadiene	(0.70)	<0.70	
n-Nitrosodimethylamine	(0.70)	<0.70	
n-Nitrosodiphenylamine	(0.70)	<0.70	
4-Chloro-3-methylphenol	(1.4)	< 1.4	
2-Chlorophenol	(0.70)	<0.70	
2,4-Dichlorophenol	(0.70)	<0.70	
2,4-Dimethylphenol	(0.70)	<0.70	
2,4-Dinitrophenol	(3.5)	< 3.5	
2-Methyl-4,6-dinitrophenol	(3.5)	< 3.5	
2-Nitrophenol	(0.70)	<0.70	
4-Nitrophenol	(3.5)	< 3.5	
Pentachlorophenol	(3.5)	< 3.5	
Phenol	(0.70)	<0.70	
2,4,6-Trichlorophenol	(0.70)	<0.70	

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January 3, 1994
Sample Log 8211

Sample: **STK1-E-H**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/28/93

Received : 12/22/93
Analyzed : 12/29/93

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Acenaphthene	(0.70)	<0.70	
Acenaphthylene	(0.70)	<0.70	
Anthracene	(0.70)	<0.70	
Benzo (a) anthracene	(0.70)	<0.70	
Benzo (b) fluoranthene	(0.70)	<0.70	
Benzo (k) fluoranthene	(0.70)	<0.70	
Benzo (a) pyrene	(0.70)	<0.70	
Benzo (ghi) perylene	(0.70)	<0.70	
Butyl benzyl phthalate	(0.70)	<0.70	
bis (2-chloroethyl) ether	(0.70)	<0.70	
bis (2-chloroethoxy) methane	(0.70)	<0.70	
bis (2-ethylhexyl) phthalate	(0.70)	<0.70	
bis (2-chloroisopropyl) ether	(0.70)	<0.70	
4-Bromophenyl phenyl ether	(0.70)	<0.70	
2-Chloronaphthalene	(0.70)	<0.70	
4-Chlorophenyl phenyl ether	(0.70)	<0.70	
Chrysene	(0.70)	<0.70	
Dibenzo (ah) anthracene	(0.70)	<0.70	
Di-n-butyl phthalate	(0.70)	<0.70	
Di-n-octyl phthalate	(0.70)	<0.70	
1,3-Dichlorobenzene	(0.70)	<0.70	
1,2-Dichlorobenzene	(0.70)	<0.70	
1,4-Dichlorobenzene	(0.70)	<0.70	
3,3'-Dichlorobenzidine	(1.4)	< 1.4	
Diethyl phthalate	(0.70)	<0.70	
Dimethyl phthalate	(0.70)	<0.70	
2,4-Dinitrotoluene	(0.70)	<0.70	

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January 3, 1994
Sample Log 8211

Sample: **STK1-E-H**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/28/93

Received : 12/22/93
Analyzed : 12/29/93

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
2,6-Dinitrotoluene	(0.70)	<0.70	
Fluoranthene	(0.70)	<0.70	
Fluorene	(0.70)	<0.70	
Hexachlorobenzene	(0.70)	<0.70	
Hexachlorobutadiene	(0.70)	<0.70	
Hexachloroethane	(0.70)	<0.70	
Indeno (1,2,3-cd) pyrene	(0.70)	<0.70	
Isophorone	(0.70)	<0.70	
Naphthalene	(0.70)	<0.70	
Nitrobenzene	(0.70)	<0.70	
n-Nitrosodi-n-propylamine	(0.70)	<0.70	
Phenanthrene	(0.70)	<0.70	
Pyrene	(0.70)	<0.70	
1,2,4-Trichlorobenzene	**(0.70)**	**1.0**	
Hexachlorocyclopentadiene	(0.70)	<0.70	
n-Nitrosodimethylamine	(0.70)	<0.70	
n-Nitrosodiphenylamine	(0.70)	<0.70	
4-Chloro-3-methylphenol	(1.4)	< 1.4	
2-Chlorophenol	(0.70)	<0.70	
2,4-Dichlorophenol	(0.70)	<0.70	
2,4-Dimethylphenol	(0.70)	<0.70	
2,4-Dinitrophenol	(3.5)	< 3.5	
2-Methyl-4,6-dinitrophenol	(3.5)	< 3.5	
2-Nitrophenol	(0.70)	<0.70	
4-Nitrophenol	(3.5)	< 3.5	
Pentachlorophenol	(3.5)	< 3.5	
Phenol	(0.70)	<0.70	
2,4,6-Trichlorophenol	(0.70)	<0.70	

Joel Kiff
Senior Chemist

Western Environmental Science & Technology · 45133 County Road 32B · Davis, CA 95616 · 916 753-9500 · FAX: 916 757-4652

January 3, 1994
Sample Log 8211

Sample: **STK2-A-B**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/28/93

Received : 12/22/93
Analyzed : 12/29/93

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Acenaphthene	(0.70)	<0.70	
Acenaphthylene	(0.70)	<0.70	
Anthracene	(0.70)	<0.70	
Benzo (a) anthracene	(0.70)	<0.70	
Benzo (b) fluoranthene	(0.70)	<0.70	
Benzo (k) fluoranthene	(0.70)	<0.70	
Benzo (a) pyrene	(0.70)	<0.70	
Benzo (ghi) perylene	(0.70)	<0.70	
Butyl benzyl phthalate	(0.70)	<0.70	
bis (2-chloroethyl) ether	(0.70)	<0.70	
bis (2-chloroethoxy) methane	(0.70)	<0.70	
bis (2-ethylhexyl) phthalate	(0.70)	<0.70	
bis (2-chloroisopropyl) ether	(0.70)	<0.70	
4-Bromophenyl phenyl ether	(0.70)	<0.70	
2-Chloronaphthalene	(0.70)	<0.70	
4-Chlorophenyl phenyl ether	(0.70)	<0.70	
Chrysene	(0.70)	<0.70	
Dibenzo (ah) anthracene	(0.70)	<0.70	
Di-n-butyl phthalate	(0.70)	<0.70	
Di-n-octyl phthalate	(0.70)	<0.70	
1,3-Dichlorobenzene	(0.70)	<0.70	
1,2-Dichlorobenzene	(0.70)	<0.70	
1,4-Dichlorobenzene	(0.70)	<0.70	
3,3'-Dichlorobenzidine	(1.4)	< 1.4	
Diethyl phthalate	(0.70)	<0.70	
Dimethyl phthalate	(0.70)	<0.70	
2,4-Dinitrotoluene	(0.70)	<0.70	

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January 3, 1994
Sample Log 8211

Sample: **STK2-A-B**

From : Project # 649001 (PG&E)
Sampled : 12/22/93
Matrix : Soil
Extracted : 12/28/93

Received : 12/22/93
Analyzed : 12/29/93

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
2,6-Dinitrotoluene	(0.70)	<0.70	
Fluoranthene	(0.70)	<0.70	
Fluorene	(0.70)	<0.70	
Hexachlorobenzene	(0.70)	<0.70	
Hexachlorobutadiene	(0.70)	<0.70	
Hexachloroethane	(0.70)	<0.70	
Indeno (1,2,3-cd) pyrene	(0.70)	<0.70	
Isophorone	(0.70)	<0.70	
Naphthalene	(0.70)	<0.70	
Nitrobenzene	(0.70)	<0.70	
n-Nitrosodi-n-propylamine	(0.70)	<0.70	
Phenanthrene	(0.70)	<0.70	
Pyrene	(0.70)	<0.70	
1,2,4-Trichlorobenzene	(0.70)	<0.70	
Hexachlorocyclopentadiene	(0.70)	<0.70	
n-Nitrosodimethylamine	(0.70)	<0.70	
n-Nitrosodiphenylamine	(0.70)	<0.70	
4-Chloro-3-methylphenol	(1.4)	< 1.4	
2-Chlorophenol	(0.70)	<0.70	
2,4-Dichlorophenol	(0.70)	<0.70	
2,4-Dimethylphenol	(0.70)	<0.70	
2,4-Dinitrophenol	(3.5)	< 3.5	
2-Methyl-4,6-dinitrophenol	(3.5)	< 3.5	
2-Nitrophenol	(0.70)	<0.70	
4-Nitrophenol	(3.5)	< 3.5	
Pentachlorophenol	(3.5)	< 3.5	
Phenol	(0.70)	<0.70	
2,4,6-Trichlorophenol	(0.70)	<0.70	

Joel Kiff
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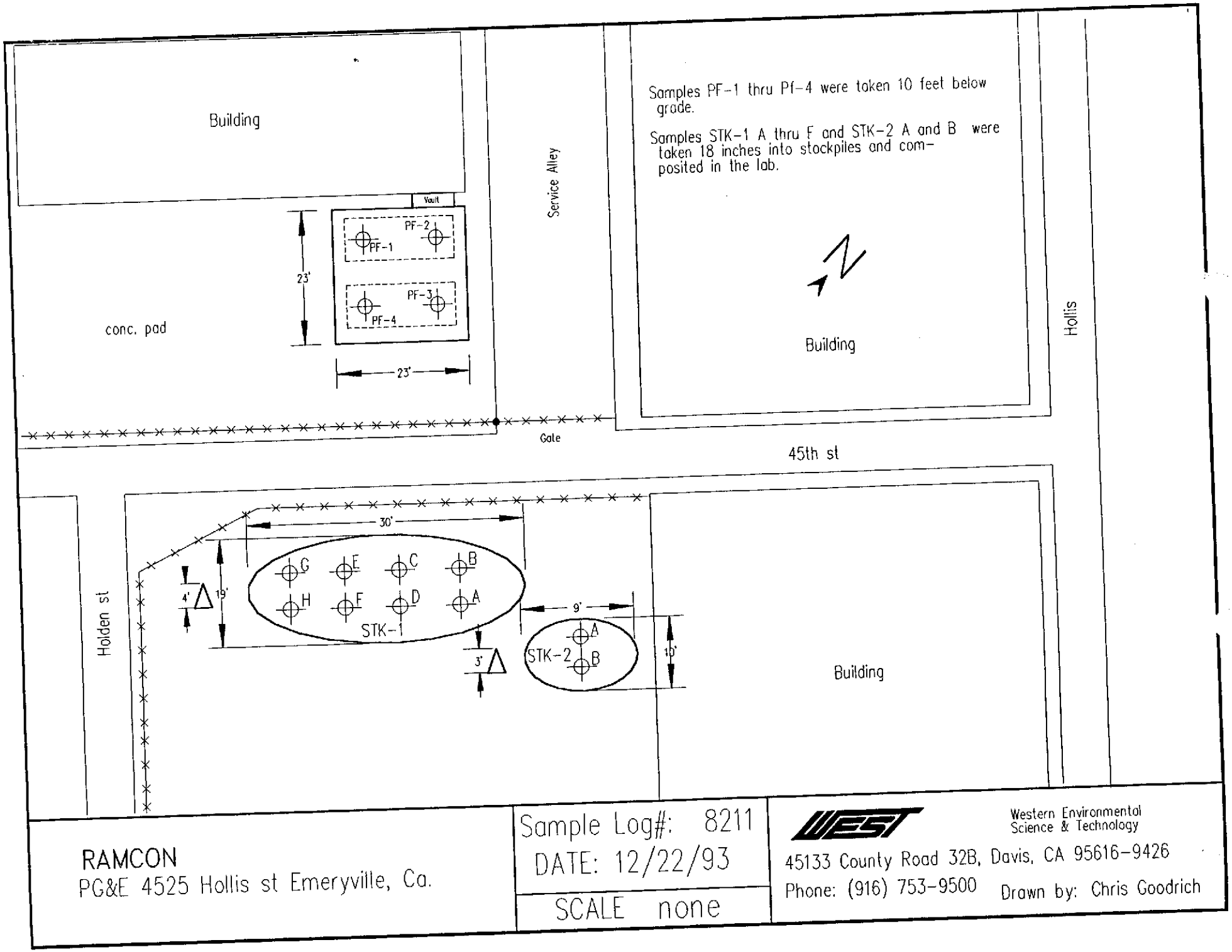

RAMCON
PG&E 4525 Hollis st Emeryville, Ca.

Sample Log#: 8211
DATE: 12/22/93
SCALE none

Western Environmental Science & Technology
45133 County Road 32B, Davis, CA 95616-9426
Phone: (916) 753-9500 Drawn by: Chris Goodrich

040601

WEST Western Environmental Science & Technology

1046 Olive Drive, Suite 3
Davis, CA 95616

916-753-9500
FAX #: 916-753-6091
LAB#: 916-757-4650

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Bill Goodwin
Phone #: 372-7535

Company/Address:
FAX #: 372-4209

Project Number: 649001
P.O.#: 9262
Project Name: PG&E

Project Location: 4525 Hollis st Emeryville
Sampler Signature: [signature]

Sample ID	Sampling DATE	Sampling TIME	Container VOA	SLEEVE	1L GLASS	1L PLASTIC	Method Preserved HCl	HNO3	ICE	NONE	Matrix WATER	SOIL
PIF-A	12-22-93	14:00		1					X			X
PIF-B		14:00		1					X			X
PIF-C		13:55		1					X			X
PIF-D		13:55		1					X			X
STK1-A-D		14:45		4	comp				X			X
STK1-E-H		15:00		4	comp				X			X
STK2-A-B		14:30		2	comp				X			X

ANALYSIS REQUEST / TAT

Sample ID	BTEX (602/8020)	BTEX/TPH as Gasoline (602/8020/8015) *	TPH as Diesel/Oil (8015)	Total Oil & Grease (5520 B/E,F)	Total Oil & Grease IR (5520 B/E,F,C) *	96 - Hour Fish Bioassay	EPA 601/8010 *	EPA 602/8020	EPA 615/8150	EPA 608/8080 - Pesticides	EPA 608/8080-PCBs	EPA 624/8240	EPA 625/8270 *	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD(7420/7421/239.2)	Cd, Cr, Pb, Zn, Ni * (TOTAL ✓)	RUSH SERVICE (12 hr) or (24 hr)	EXPEDITED SERVICE (48 hr) or (1 wk) *	STANDARD SERVICE (2wk)
PIF-A	X	X	X		X		X				X		X						X		X	
PIF-B	X	X	X		X		X				X		X						X		X	
PIF-C	X	X	X		X		X				X		X						X		X	
PIF-D	X	X	X		X		X				X		X						X		X	
STK1-A-D		X	X		X		X				X		X						X			
STK1-E-H		X	X		X		X				X		X						X			
STK2-A-B		X	X		X		X				X		X						X			

Relinquished by: | Date | Time | Received by:

Relinquished by | Date | Time | Received by:

Relinquished by: [signature] | Date: 12-22-93 | Time: 16:30 | Received by Laboratory: [signature]

Remarks: THESE ANALYSIS CALLED FOR BY COUNTY HEALTH

L&T 7.5 hrs @ PGE

Bill To: 12/23 @ 835 per Gary Pfost run 5520 D+E, Gravimetric per Chris Goodrich.

RECEIVED JAN 10 1994

WEST

January 7, 1994
Sample Log 8252

Frank Pile
Ramcon Engineering & Environmental Contracting, Inc.
P.O. BOX 1026
West Sacramento, CA 95691

Subject: Analytical Results for 7 Soil Samples
Identified as: Project # 649001 (PG&E)
Received: 12/29/93
Purchase Order: #9443

Dear Mr. Pile:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on December 30, 1993 and describes procedures used to analyze the samples.

Sample(s) were received in brass sleeves that were sealed with PTFE sheets and plastic endcaps. Each sample was transported and received under documented chain of custody and stored at 4 degrees C until analysis was performed.

Sample(s) were analyzed using the following method(s):

"BTEX" (EPA Method 8020/Purge-and-Trap)
"TPH as Gasoline" (Modified EPA Method 8015/Purge-and-Trap)
"TPH as Diesel,Motor Oil,Jet/Kerosene" (Mod. 8015/Extraction)
"Polychlorinated Biphenyls (PCBs)" (EPA Method 8080/Extraction)
"Halogenated Solvents" (EPA Method 8010)
"Metals by Atomic Absorption/ICAP" (EPA Methods 7000/6010/200.7)
"Oil and Grease" (Standard Methods # 5520 E,F)
"Semi-Volatile Organic Priority Pollutants" (EPA Method 8270)

Please refer to the following table(s) for summarized analytical results and contact us at 916-757-4650 if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Approved by:

Joel Kiff
Senior Chemist

Western Environmental Science & Technology • 45133 County Road 32B • Davis, CA 95616 • 916 753-9500 • FAX: 916 757-4652

December 30, 1993
Sample Log 8252

Total Oil and Grease (Standard Methods 5520 E,F)
From : Project # 649001 (PG&E)
Received : 12/29/93
Matrix : Soil

--all concentrations are units of mg/kg--

Sample	Date Sampled	Date Analyzed	RDL	(5520 E,F) Oil and Grease
PW-N	12/29/93	12/30/93	(50)	310
PW-NE	12/29/93	12/30/93	(50)	90
PF-5	12/29/93	12/30/93	(50)	<50
PF-6	12/29/93	12/30/93	(50)	<50
PF-7	12/29/93	12/30/93	(50)	80
C3-A,B,C,D	12/29/93	12/30/93	(50)	67
C3-E,F,G,H	12/29/93	12/30/93	(50)	320

QC Batch: KS931207

Stewart Podolsky
Senior Chemist

Western Environmental Science & Technology • 45133 County Road 32B • Davis, CA 95616 • 916 753-9500 • FAX: 916 757-4652

January 7, 1994
Sample Log 8252

Sample: **PW-N**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 01/03/94

Received : 12/29/93
Analyzed : 01/05/94

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Acenaphthene	(0.70)	<0.70	
Acenaphthylene	(0.70)	<0.70	
Anthracene	(0.70)	<0.70	
Benzo (a) anthracene	(0.70)	<0.70	
Benzo (b) fluoranthene	(0.70)	<0.70	
Benzo (k) fluoranthene	(0.70)	<0.70	
Benzo (a) pyrene	(0.70)	<0.70	
Benzo (ghi) perylene	(0.70)	<0.70	
Butyl benzyl phthalate	(0.70)	<0.70	
bis (2-chloroethyl) ether	(0.70)	<0.70	
bis (2-chloroethoxy) methane	(0.70)	<0.70	
bis (2-ethylhexyl) phthalate	(0.70)	<0.70	
bis (2-chloroisopropyl) ether	(0.70)	<0.70	
4-Bromophenyl phenyl ether	(0.70)	<0.70	
2-Chloronaphthalene	(0.70)	<0.70	
4-Chlorophenyl phenyl ether	(0.70)	<0.70	
Chrysene	(0.70)	<0.70	
Dibenzo (ah) anthracene	(0.70)	<0.70	
Di-n-butyl phthalate	(0.70)	<0.70	
Di-n-octyl phthalate	(0.70)	<0.70	
1,3-Dichlorobenzene	(0.70)	<0.70	
1,2-Dichlorobenzene	(0.70)	<0.70	
1,4-Dichlorobenzene	(0.70)	<0.70	
3,3'-Dichlorobenzidine	(1.4)	< 1.4	
Diethyl phthalate	(0.70)	<0.70	
Dimethyl phthalate	(0.70)	<0.70	
2,4-Dinitrotoluene	(0.70)	<0.70	

Joel Kiff
Senior Chemist

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January 7, 1994
Sample Log 8252

Sample: **PW-N**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 01/03/94

Received : 12/29/93
Analyzed : 01/05/94

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
2,6-Dinitrotoluene	(0.70)	<0.70	
Fluoranthene	(0.70)	<0.70	
Fluorene	(0.70)	<0.70	
Hexachlorobenzene	(0.70)	<0.70	
Hexachlorobutadiene	(0.70)	<0.70	
Hexachloroethane	(0.70)	<0.70	
Indeno (1,2,3-cd) pyrene	(0.70)	<0.70	
Isophorone	(0.70)	<0.70	
Naphthalene	(0.70)	<0.70	
Nitrobenzene	(0.70)	<0.70	
n-Nitrosodi-n-propylamine	(0.70)	<0.70	
Phenanthrene	(0.70)	<0.70	
Pyrene	(0.70)	<0.70	
1,2,4-Trichlorobenzene	(0.70)	<0.70	
Hexachlorocyclopentadiene	(0.70)	<0.70	
n-Nitrosodimethylamine	(0.70)	<0.70	
n-Nitrosodiphenylamine	(0.70)	<0.70	
4-Chloro-3-methylphenol	(1.4)	< 1.4	
2-Chlorophenol	(0.70)	<0.70	
2,4-Dichlorophenol	(0.70)	<0.70	
2,4-Dimethylphenol	(0.70)	<0.70	
2,4-Dinitrophenol	(3.5)	< 3.5	
2-Methyl-4,6-dinitrophenol	(3.5)	< 3.5	
2-Nitrophenol	(0.70)	<0.70	
4-Nitrophenol	(3.5)	< 3.5	
Pentachlorophenol	(3.5)	< 3.5	
Phenol	(0.70)	<0.70	
2,4,6-Trichlorophenol	(0.70)	<0.70	

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January 7, 1994
Sample Log 8252

Sample: **PW-NE**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 01/03/94

Received : 12/29/93
Analyzed : 01/05/94

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Acenaphthene	(0.70)	<0.70	
Acenaphthylene	(0.70)	<0.70	
Anthracene	(0.70)	<0.70	
Benzo (a) anthracene	(0.70)	<0.70	
Benzo (b) fluoranthene	(0.70)	<0.70	
Benzo (k) fluoranthene	(0.70)	<0.70	
Benzo (a) pyrene	(0.70)	<0.70	
Benzo (ghi) perylene	(0.70)	<0.70	
Butyl benzyl phthalate	(0.70)	<0.70	
bis (2-chloroethyl) ether	(0.70)	<0.70	
bis (2-chloroethoxy) methane	(0.70)	<0.70	
bis (2-ethylhexyl) phthalate	(0.70)	<0.70	
bis (2-chloroisopropyl) ether	(0.70)	<0.70	
4-Bromophenyl phenyl ether	(0.70)	<0.70	
2-Chloronaphthalene	(0.70)	<0.70	
4-Chlorophenyl phenyl ether	(0.70)	<0.70	
Chrysene	(0.70)	<0.70	
Dibenzo (ah) anthracene	(0.70)	<0.70	
Di-n-butyl phthalate	(0.70)	<0.70	
Di-n-octyl phthalate	(0.70)	<0.70	
1,3-Dichlorobenzene	(0.70)	<0.70	
1,2-Dichlorobenzene	(0.70)	<0.70	
1,4-Dichlorobenzene	(0.70)	<0.70	
3,3'-Dichlorobenzidine	(1.4)	< 1.4	
Diethyl phthalate	(0.70)	<0.70	
Dimethyl phthalate	(0.70)	<0.70	
2,4-Dinitrotoluene	(0.70)	<0.70	

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January 7, 1994
Sample Log 8252

Sample: **PW-NE**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 01/03/94

Received : 12/29/93
Analyzed : 01/05/94

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
2,6-Dinitrotoluene	(0.70)	<0.70	
Fluoranthene	(0.70)	<0.70	
Fluorene	(0.70)	<0.70	
Hexachlorobenzene	(0.70)	<0.70	
Hexachlorobutadiene	(0.70)	<0.70	
Hexachloroethane	(0.70)	<0.70	
Indeno (1,2,3-cd) pyrene	(0.70)	<0.70	
Isophorone	(0.70)	<0.70	
Naphthalene	(0.70)	<0.70	
Nitrobenzene	(0.70)	<0.70	
n-Nitrosodi-n-propylamine	(0.70)	<0.70	
Phenanthrene	(0.70)	<0.70	
Pyrene	(0.70)	<0.70	
1,2,4-Trichlorobenzene	(0.70)	<0.70	
Hexachlorocyclopentadiene	(0.70)	<0.70	
n-Nitrosodimethylamine	(0.70)	<0.70	
n-Nitrosodiphenylamine	(0.70)	<0.70	
4-Chloro-3-methylphenol	(1.4)	< 1.4	
2-Chlorophenol	(0.70)	<0.70	
2,4-Dichlorophenol	(0.70)	<0.70	
2,4-Dimethylphenol	(0.70)	<0.70	
2,4-Dinitrophenol	(3.5)	< 3.5	
2-Methyl-4,6-dinitrophenol	(3.5)	< 3.5	
2-Nitrophenol	(0.70)	<0.70	
4-Nitrophenol	(3.5)	< 3.5	
Pentachlorophenol	(3.5)	< 3.5	
Phenol	(0.70)	<0.70	
2,4,6-Trichlorophenol	(0.70)	<0.70	

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January 7, 1994
Sample Log 8252

Sample: **PF-5**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 01/03/94

Received : 12/29/93
Analyzed : 01/05/94

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Acenaphthene	(0.70)	<0.70	
Acenaphthylene	(0.70)	<0.70	
Anthracene	(0.70)	<0.70	
Benzo (a) anthracene	(0.70)	<0.70	
Benzo (b) fluoranthene	(0.70)	<0.70	
Benzo (k) fluoranthene	(0.70)	<0.70	
Benzo (a) pyrene	(0.70)	<0.70	
Benzo (ghi) perylene	(0.70)	<0.70	
Butyl benzyl phthalate	(0.70)	<0.70	
bis (2-chloroethyl) ether	(0.70)	<0.70	
bis (2-chloroethoxy) methane	(0.70)	<0.70	
bis (2-ethylhexyl) phthalate	(0.70)	<0.70	
bis (2-chloroisopropyl) ether	(0.70)	<0.70	
4-Bromophenyl phenyl ether	(0.70)	<0.70	
2-Chloronaphthalene	(0.70)	<0.70	
4-Chlorophenyl phenyl ether	(0.70)	<0.70	
Chrysene	(0.70)	<0.70	
Dibenzo (ah) anthracene	(0.70)	<0.70	
Di-n-butyl phthalate	(0.70)	<0.70	
Di-n-octyl phthalate	(0.70)	<0.70	
1,3-Dichlorobenzene	(0.70)	<0.70	
1,2-Dichlorobenzene	(0.70)	<0.70	
1,4-Dichlorobenzene	(0.70)	<0.70	
3,3'-Dichlorobenzidine	(1.4)	< 1.4	
Diethyl phthalate	(0.70)	<0.70	
Dimethyl phthalate	(0.70)	<0.70	
2,4-Dinitrotoluene	(0.70)	<0.70	

Joel Kiff
Senior Chemist

January 7, 1994
Sample Log 8252

Sample: PF-5

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 01/03/94

Received : 12/29/93
Analyzed : 01/05/94

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
2,6-Dinitrotoluene	(0.70)	<0.70	
Fluoranthene	(0.70)	<0.70	
Fluorene	(0.70)	<0.70	
Hexachlorobenzene	(0.70)	<0.70	
Hexachlorobutadiene	(0.70)	<0.70	
Hexachloroethane	(0.70)	<0.70	
Indeno (1,2,3-cd) pyrene	(0.70)	<0.70	
Isophorone	(0.70)	<0.70	
Naphthalene	(0.70)	<0.70	
Nitrobenzene	(0.70)	<0.70	
n-Nitrosodi-n-propylamine	(0.70)	<0.70	
Phenanthrene	(0.70)	<0.70	
Pyrene	(0.70)	<0.70	
1,2,4-Trichlorobenzene	(0.70)	<0.70	
Hexachlorocyclopentadiene	(0.70)	<0.70	
n-Nitrosodimethylamine	(0.70)	<0.70	
n-Nitrosodiphenylamine	(0.70)	<0.70	
4-Chloro-3-methylphenol	(1.4)	< 1.4	
2-Chlorophenol	(0.70)	<0.70	
2,4-Dichlorophenol	(0.70)	<0.70	
2,4-Dimethylphenol	(0.70)	<0.70	
2,4-Dinitrophenol	(3.5)	< 3.5	
2-Methyl-4,6-dinitrophenol	(3.5)	< 3.5	
2-Nitrophenol	(0.70)	<0.70	
4-Nitrophenol	(3.5)	< 3.5	
Pentachlorophenol	(3.5)	< 3.5	
Phenol	(0.70)	<0.70	
2,4,6-Trichlorophenol	(0.70)	<0.70	

Joel Kiff
Senior Chemist

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January 7, 1994
Sample Log 8252

Sample: **PF-6**

From : Project # 649001 (PG&E)
Sampled : 12/29/93 Received : 12/29/93
Matrix : Soil Analyzed : 01/05/94
Extracted : 01/03/94

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Acenaphthene	(0.70)	<0.70	
Acenaphthylene	(0.70)	<0.70	
Anthracene	(0.70)	<0.70	
Benzo (a) anthracene	(0.70)	<0.70	
Benzo (b) fluoranthene	(0.70)	<0.70	
Benzo (k) fluoranthene	(0.70)	<0.70	
Benzo (a) pyrene	(0.70)	<0.70	
Benzo (ghi) perylene	(0.70)	<0.70	
Butyl benzyl phthalate	(0.70)	<0.70	
bis (2-chloroethyl) ether	(0.70)	<0.70	
bis (2-chloroethoxy) methane	(0.70)	<0.70	
bis (2-ethylhexyl) phthalate	(0.70)	<0.70	
bis (2-chloroisopropyl) ether	(0.70)	<0.70	
4-Bromophenyl phenyl ether	(0.70)	<0.70	
2-Chloronaphthalene	(0.70)	<0.70	
4-Chlorophenyl phenyl ether	(0.70)	<0.70	
Chrysene	(0.70)	<0.70	
Dibenzo (ah) anthracene	(0.70)	<0.70	
Di-n-butyl phthalate	(0.70)	<0.70	
Di-n-octyl phthalate	(0.70)	<0.70	
1,3-Dichlorobenzene	(0.70)	<0.70	
1,2-Dichlorobenzene	(0.70)	<0.70	
1,4-Dichlorobenzene	(0.70)	<0.70	
3,3'-Dichlorobenzidine	(1.4)	< 1.4	
Diethyl phthalate	(0.70)	<0.70	
Dimethyl phthalate	(0.70)	<0.70	
2,4-Dinitrotoluene	(0.70)	<0.70	

Joel Kiff
Senior Chemist

January 7, 1994
Sample Log 8252

Sample: PF-6

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 01/03/94

Received : 12/29/93
Analyzed : 01/05/94

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
2,6-Dinitrotoluene	(0.70)	<0.70	
Fluoranthene	(0.70)	<0.70	
Fluorene	(0.70)	<0.70	
Hexachlorobenzene	(0.70)	<0.70	
Hexachlorobutadiene	(0.70)	<0.70	
Hexachloroethane	(0.70)	<0.70	
Indeno (1,2,3-cd) pyrene	(0.70)	<0.70	
Isophorone	(0.70)	<0.70	
Naphthalene	(0.70)	<0.70	
Nitrobenzene	(0.70)	<0.70	
n-Nitrosodi-n-propylamine	(0.70)	<0.70	
Phenanthrene	(0.70)	<0.70	
Pyrene	(0.70)	<0.70	
1,2,4-Trichlorobenzene	(0.70)	<0.70	
Hexachlorocyclopentadiene	(0.70)	<0.70	
n-Nitrosodimethylamine	(0.70)	<0.70	
n-Nitrosodiphenylamine	(0.70)	<0.70	
4-Chloro-3-methylphenol	(1.4)	< 1.4	
2-Chlorophenol	(0.70)	<0.70	
2,4-Dichlorophenol	(0.70)	<0.70	
2,4-Dimethylphenol	(0.70)	<0.70	
2,4-Dinitrophenol	(3.5)	< 3.5	
2-Methyl-4,6-dinitrophenol	(3.5)	< 3.5	
2-Nitrophenol	(0.70)	<0.70	
4-Nitrophenol	(3.5)	< 3.5	
Pentachlorophenol	(3.5)	< 3.5	
Phenol	(0.70)	<0.70	
2,4,6-Trichlorophenol	(0.70)	<0.70	

Joel Kiff
Senior Chemist

January 7, 1994
Sample Log 8252

Sample: **PF-7**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 01/03/94

Received : 12/29/93
Analyzed : 01/05/94

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Acenaphthene	(0.70)	<0.70	
Acenaphthylene	(0.70)	<0.70	
Anthracene	(0.70)	<0.70	
Benzo (a) anthracene	(0.70)	<0.70	
Benzo (b) fluoranthene	(0.70)	<0.70	
Benzo (k) fluoranthene	(0.70)	<0.70	
Benzo (a) pyrene	(0.70)	<0.70	
Benzo (ghi) perylene	(0.70)	<0.70	
Butyl benzyl phthalate	(0.70)	<0.70	
bis (2-chloroethyl) ether	(0.70)	<0.70	
bis (2-chloroethoxy) methane	(0.70)	<0.70	
bis (2-ethylhexyl) phthalate	(0.70)	<0.70	
bis (2-chloroisopropyl) ether	(0.70)	<0.70	
4-Bromophenyl phenyl ether	(0.70)	<0.70	
2-Chloronaphthalene	(0.70)	<0.70	
4-Chlorophenyl phenyl ether	(0.70)	<0.70	
Chrysene	(0.70)	<0.70	
Dibenzo (ah) anthracene	(0.70)	<0.70	
Di-n-butyl phthalate	(0.70)	<0.70	
Di-n-octyl phthalate	(0.70)	<0.70	
1,3-Dichlorobenzene	(0.70)	<0.70	
1,2-Dichlorobenzene	(0.70)	<0.70	
1,4-Dichlorobenzene	(0.70)	<0.70	
3,3'-Dichlorobenzidine	(1.4)	< 1.4	
Diethyl phthalate	(0.70)	<0.70	
Dimethyl phthalate	(0.70)	<0.70	
2,4-Dinitrotoluene	(0.70)	<0.70	

Joel Kiff
Senior Chemist

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January 7, 1994
Sample Log 8252

Sample: **PF-7**

From : Project # 649001 (PG&E)
Sampled : 12/29/93 Received : 12/29/93
Matrix : Soil Analyzed : 01/05/94
Extracted : 01/03/94

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
2,6-Dinitrotoluene	(0.70)	<0.70	
Fluoranthene	(0.70)	<0.70	
Fluorene	(0.70)	<0.70	
Hexachlorobenzene	(0.70)	<0.70	
Hexachlorobutadiene	(0.70)	<0.70	
Hexachloroethane	(0.70)	<0.70	
Indeno (1,2,3-cd) pyrene	(0.70)	<0.70	
Isophorone	(0.70)	<0.70	
Naphthalene	(0.70)	<0.70	
Nitrobenzene	(0.70)	<0.70	
n-Nitrosodi-n-propylamine	(0.70)	<0.70	
Phenanthrene	(0.70)	<0.70	
Pyrene	(0.70)	<0.70	
1,2,4-Trichlorobenzene	(0.70)	<0.70	
Hexachlorocyclopentadiene	(0.70)	<0.70	
n-Nitrosodimethylamine	(0.70)	<0.70	
n-Nitrosodiphenylamine	(0.70)	<0.70	
4-Chloro-3-methylphenol	(1.4)	< 1.4	
2-Chlorophenol	(0.70)	<0.70	
2,4-Dichlorophenol	(0.70)	<0.70	
2,4-Dimethylphenol	(0.70)	<0.70	
2,4-Dinitrophenol	(3.5)	< 3.5	
2-Methyl-4,6-dinitrophenol	(3.5)	< 3.5	
2-Nitrophenol	(0.70)	<0.70	
4-Nitrophenol	(3.5)	< 3.5	
Pentachlorophenol	(3.5)	< 3.5	
Phenol	(0.70)	<0.70	
2,4,6-Trichlorophenol	(0.70)	<0.70	

Joel Kiff
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January 7, 1994
Sample Log 8252

Sample: **C3-A,B,C,D**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 01/03/94

Received : 12/29/93
Analyzed : 01/05/94

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Acenaphthene	(0.70)	<0.70	
Acenaphthylene	(0.70)	<0.70	
Anthracene	(0.70)	<0.70	
Benzo (a) anthracene	(0.70)	<0.70	
Benzo (b) fluoranthene	(0.70)	<0.70	
Benzo (k) fluoranthene	(0.70)	<0.70	
Benzo (a) pyrene	(0.70)	<0.70	
Benzo (ghi) perylene	(0.70)	<0.70	
Butyl benzyl phthalate	(0.70)	<0.70	
bis (2-chloroethyl) ether	(0.70)	<0.70	
bis (2-chloroethoxy) methane	(0.70)	<0.70	
bis (2-ethylhexyl) phthalate	(0.70)	<0.70	
bis (2-chloroisopropyl) ether	(0.70)	<0.70	
4-Bromophenyl phenyl ether	(0.70)	<0.70	
2-Chloronaphthalene	(0.70)	<0.70	
4-Chlorophenyl phenyl ether	(0.70)	<0.70	
Chrysene	(0.70)	<0.70	
Dibenzo (ah) anthracene	(0.70)	<0.70	
Di-n-butyl phthalate	(0.70)	<0.70	
Di-n-octyl phthalate	(0.70)	<0.70	
1,3-Dichlorobenzene	(0.70)	<0.70	
1,2-Dichlorobenzene	(0.70)	<0.70	
1,4-Dichlorobenzene	(0.70)	<0.70	
3,3'-Dichlorobenzidine	(1.4)	< 1.4	
Diethyl phthalate	(0.70)	<0.70	
Dimethyl phthalate	(0.70)	<0.70	
2,4-Dinitrotoluene	(0.70)	<0.70	

Joel Kiff
Senior Chemist

January 7, 1994
Sample Log 8252

Sample: **C3-A,B,C,D**

From : Project # 649001 (PG&E)
Sampled : 12/29/93 Received : 12/29/93
Matrix : Soil Analyzed : 01/05/94
Extracted : 01/03/94

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
2,6-Dinitrotoluene	(0.70)	<0.70	
Fluoranthene	(0.70)	<0.70	
Fluorene	(0.70)	<0.70	
Hexachlorobenzene	(0.70)	<0.70	
Hexachlorobutadiene	(0.70)	<0.70	
Hexachloroethane	(0.70)	<0.70	
Indeno (1,2,3-cd) pyrene	(0.70)	<0.70	
Isophorone	(0.70)	<0.70	
Naphthalene	(0.70)	<0.70	
Nitrobenzene	(0.70)	<0.70	
n-Nitrosodi-n-propylamine	(0.70)	<0.70	
Phenanthrene	(0.70)	<0.70	
Pyrene	(0.70)	<0.70	
1,2,4-Trichlorobenzene	(0.70)	<0.70	
Hexachlorocyclopentadiene	(0.70)	<0.70	
n-Nitrosodimethylamine	(0.70)	<0.70	
n-Nitrosodiphenylamine	(0.70)	<0.70	
4-Chloro-3-methylphenol	(1.4)	< 1.4	
2-Chlorophenol	(0.70)	<0.70	
2,4-Dichlorophenol	(0.70)	<0.70	
2,4-Dimethylphenol	(0.70)	<0.70	
2,4-Dinitrophenol	(3.5)	< 3.5	
2-Methyl-4,6-dinitrophenol	(3.5)	< 3.5	
2-Nitrophenol	(0.70)	<0.70	
4-Nitrophenol	(3.5)	< 3.5	
Pentachlorophenol	(3.5)	< 3.5	
Phenol	(0.70)	<0.70	
2,4,6-Trichlorophenol	(0.70)	<0.70	

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Sample Log 8252

Sample: **C3-E,F,G,H**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 01/03/94

Received : 12/29/93
Analyzed : 01/05/94

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Acenaphthene	(0.70)	<0.70	
Acenaphthylene	(0.70)	<0.70	
Anthracene	(0.70)	<0.70	
Benzo (a) anthracene	(0.70)	<0.70	
Benzo (b) fluoranthene	(0.70)	<0.70	
Benzo (k) fluoranthene	(0.70)	<0.70	
Benzo (a) pyrene	(0.70)	<0.70	
Benzo (ghi) perylene	(0.70)	<0.70	
Butyl benzyl phthalate	(0.70)	<0.70	
bis (2-chloroethyl) ether	(0.70)	<0.70	
bis (2-chloroethoxy) methane	(0.70)	<0.70	
bis (2-ethylhexyl) phthalate	(0.70)	<0.70	
bis (2-chloroisopropyl) ether	(0.70)	<0.70	
4-Bromophenyl phenyl ether	(0.70)	<0.70	
2-Chloronaphthalene	(0.70)	<0.70	
4-Chlorophenyl phenyl ether	(0.70)	<0.70	
Chrysene	(0.70)	<0.70	
Dibenzo (ah) anthracene	(0.70)	<0.70	
Di-n-butyl phthalate	(0.70)	<0.70	
Di-n-octyl phthalate	(0.70)	<0.70	
1,3-Dichlorobenzene	(0.70)	<0.70	
1,2-Dichlorobenzene	(0.70)	<0.70	
1,4-Dichlorobenzene	(0.70)	<0.70	
3,3'-Dichlorobenzidine	(1.4)	< 1.4	
Diethyl phthalate	(0.70)	<0.70	
Dimethyl phthalate	(0.70)	<0.70	
2,4-Dinitrotoluene	(0.70)	<0.70	

Joel Kiff
Senior Chemist

January 7, 1994
Sample Log 8252

Sample: C3-E,F,G,H

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 01/03/94

Received : 12/29/93
Analyzed : 01/05/94

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
2,6-Dinitrotoluene	(0.70)	<0.70	
Fluoranthene	(0.70)	<0.70	
Fluorene	(0.70)	<0.70	
Hexachlorobenzene	(0.70)	<0.70	
Hexachlorobutadiene	(0.70)	<0.70	
Hexachloroethane	(0.70)	<0.70	
Indeno (1,2,3-cd) pyrene	(0.70)	<0.70	
Isophorone	(0.70)	<0.70	
Naphthalene	(0.70)	<0.70	
Nitrobenzene	(0.70)	<0.70	
n-Nitrosodi-n-propylamine	(0.70)	<0.70	
Phenanthrene	(0.70)	<0.70	
Pyrene	(0.70)	<0.70	
1,2,4-Trichlorobenzene	(0.70)	<0.70	
Hexachlorocyclopentadiene	(0.70)	<0.70	
n-Nitrosodimethylamine	(0.70)	<0.70	
n-Nitrosodiphenylamine	(0.70)	<0.70	
4-Chloro-3-methylphenol	(1.4)	< 1.4	
2-Chlorophenol	(0.70)	<0.70	
2,4-Dichlorophenol	(0.70)	<0.70	
2,4-Dimethylphenol	(0.70)	<0.70	
2,4-Dinitrophenol	(3.5)	< 3.5	
2-Methyl-4,6-dinitrophenol	(3.5)	< 3.5	
2-Nitrophenol	(0.70)	<0.70	
4-Nitrophenol	(3.5)	< 3.5	
Pentachlorophenol	(3.5)	< 3.5	
Phenol	(0.70)	<0.70	
2,4,6-Trichlorophenol	(0.70)	<0.70	

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January 7, 1994
Sample Log 8252

EPA 8270 System Monitoring Compound Recovery

Sample	SMC1 (NBZ)#	SMC2 (FBP)#	SMC3 (TPH)#	SMC4 (PHL)#	SMC5 (2FP)#	SMC6 (TBF)#	OTHER	TOT OUT
PW-N	76	90	108	71	79	87		0
PW-NE	84	90	99	74	82	80		0
PF-5	92	100	88	82	91	72		0
PF-6	75	88	84	70	77	81		0
PF-7	85	95	99	83	89	82		0
C3-A,B,C,D	82	91	104	77	86	82		0
C3-E,F,G,H	84	95	110	81	88	99		0

	QC Limits
SMC1 (NBZ) = Nitrobenzene-d5	(23-120)
SMC2 (FBP) = 2-Fluorobiphenyl	(30-115)
SMC3 (TPH) = Terphenyl-d14	(18-137)
SMC4 (PHL) = Phenol-d6	(24-113)
SMC5 (2FP) = 2-Fluorophenol	(25-121)
SMC6 (TBF) = 2,4,6-Tribromophenol	(19-122)

Column to be used to flag recovery values

* Values outside of QC limits

D System Monitoring Compound diluted out

Joel Kiff
Senior Chemist

Approved by : Michelle Anderson

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January 5, 1994
Sample Log 8252

Sample: **PF-5**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Received : 12/29/93
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Cadmium	(0.4)	1.4
Chromium	(0.7)	48
Lead	(10)	11
Zinc	(1.0)	110
Nickel	(1.5)	42

Stewart Podolsky
Senior Chemist

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January 5, 1994
Sample Log 8252

Sample: **PF-6**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Received : 12/29/93
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Cadmium	(0.4)	1.6
Chromium	(0.7)	39
Lead	(10)	<10
Zinc	(1.0)	80
Nickel	(1.5)	47

Stewart Podolsky
Senior Chemist

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January 5, 1994
Sample Log 8252

Sample: **PF-7**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Received : 12/29/93
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Cadmium	(0.4)	.99
Chromium	(0.7)	30
Lead	(10)	<10
Zinc	(1.0)	83
Nickel	(1.5)	32

Stewart Podolsky
Senior Chemist

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January 5, 1994
Sample Log 8252

Sample: **PW-N**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Received : 12/29/93
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Cadmium	(0.4)	1.5
Chromium	(0.7)	45
Lead	(10)	<10
Zinc	(1.0)	210
Nickel	(1.5)	47

Stewart Podolsky
Senior Chemist

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January 5, 1994
Sample Log 8252

Sample: **PW-NE**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Received : 12/29/93
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Cadmium	(0.4)	1.4
Chromium	(0.7)	47
Lead	(10)	<10
Zinc	(1.0)	220
Nickel	(1.5)	50

Stewart Podolsky
Senior Chemist

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January 5, 1994
Sample Log 8252

Sample: **C3-A,B,C,D**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Received : 12/29/93
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Cadmium	(0.4)	1.7
Chromium	(0.7)	51
Lead	(10)	13
Zinc	(1.0)	69
Nickel	(1.5)	54

Stewart Podolsky
Senior Chemist

January 5, 1994
Sample Log 8252

Sample: **C3-E,F,G,H**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Received : 12/29/93
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Cadmium	(0.4)	1.5
Chromium	(0.7)	48
Lead	(10)	16
Zinc	(1.0)	66
Nickel	(1.5)	49

Stewart Podolsky
Senior Chemist

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December 30, 1993
Sample Log 8252

Sample: **PW-N**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 12/29/93

Received : 12/29/93
Analyzed : 12/30/93
QC Batch : PS931204

8080 - Organochlorine Pesticides and PCBs

Parameter	(RDL) mg/kg	Measured Value mg/kg	Flag
PCB 1016	(0.033)	<0.033	
PCB 1221	(0.066)	<0.066	
PCB 1232	(0.033)	<0.033	
PCB 1242	(0.033)	<0.033	
PCB 1248	(0.033)	<0.033	
PCB 1254	(0.033)	<0.033	
PCB 1260	**(0.033)**	**.086**	

Method 608/8080 Surrogate Recoveries (%)

Tetrachloro-m-xylene	80	(60-150)
Decachlorobiphenyl	80	(60-150)

D. Podolsky

Stewart Podolsky
Senior Chemist

December 30, 1993
Sample Log 8252

Sample: **PW-NE**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 12/29/93

Received : 12/29/93
Analyzed : 12/30/93
QC Batch : PS931204

8080 - Organochlorine Pesticides and PCBs

Parameter	(RDL) mg/kg	Measured Value mg/kg	Flag
PCB 1016	(0.033)	<0.033	
PCB 1221	(0.066)	<0.066	
PCB 1232	(0.033)	<0.033	
PCB 1242	(0.033)	<0.033	
PCB 1248	(0.033)	<0.033	
PCB 1254	(0.033)	<0.033	
PCB 1260	**(0.033)**	**.036**	

Method 608/8080 Surrogate Recoveries (%)

Tetrachloro-m-xylene	79	(60-150)
Decachlorobiphenyl	85	(60-150)

D. Podolsky

Stewart Podolsky
Senior Chemist

Western Environmental Science & Technology · 45133 County Road 32B · Davis, CA 95616 · 916 753-9500 · FAX: 916 757-4652

December 30, 1993
Sample Log 8252

Sample: PF-5

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 12/29/93

Received : 12/29/93
Analyzed : 12/30/93
QC Batch : PS931204

8080 - Organochlorine Pesticides and PCBs

Parameter	(RDL) mg/kg	Measured Value mg/kg	Flag
PCB 1016	(0.033)	<0.033	
PCB 1221	(0.066)	<0.066	
PCB 1232	(0.033)	<0.033	
PCB 1242	(0.033)	<0.033	
PCB 1248	(0.033)	<0.033	
PCB 1254	(0.033)	<0.033	
PCB 1260	(0.033)	<0.033	

Method 608/8080 Surrogate Recoveries (%)

Tetrachloro-m-xylene	86	(60-150)
Decachlorobiphenyl	93	(60-150)

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December 30, 1993
Sample Log 8252

Sample: **PF-6**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 12/29/93

Received : 12/29/93
Analyzed : 12/30/93
QC Batch : PS931204

8080 - Organochlorine Pesticides and PCBs

Parameter	(RDL) mg/kg	Measured Value mg/kg	Flag
PCB 1016	(0.033)	<0.033	
PCB 1221	(0.066)	<0.066	
PCB 1232	(0.033)	<0.033	
PCB 1242	(0.033)	<0.033	
PCB 1248	(0.033)	<0.033	
PCB 1254	(0.033)	<0.033	
PCB 1260	(0.033)	<0.033	

Method 608/8080 Surrogate Recoveries (%)

Tetrachloro-m-xylene	96	(60-150)
Decachlorobiphenyl	97	(60-150)

D. Podolsky

Stewart Podolsky
Senior Chemist

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December 30, 1993
Sample Log 8252

Sample: **PF-7**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 12/29/93

Received : 12/29/93
Analyzed : 12/30/93
QC Batch : PS931204

8080 - Organochlorine Pesticides and PCBs

Parameter	(RDL) mg/kg	Measured Value mg/kg	Flag
PCB 1016	(0.033)	<0.033	
PCB 1221	(0.066)	<0.066	
PCB 1232	(0.033)	<0.033	
PCB 1242	(0.033)	<0.033	
PCB 1248	(0.033)	<0.033	
PCB 1254	(0.033)	<0.033	
PCB 1260	(0.033)	<0.033	

Method 608/8080 Surrogate Recoveries (%)

Tetrachloro-m-xylene	91	(60-150)
Decachlorobiphenyl	91	(60-150)

D. Podolsky

Stewart Podolsky
Senior Chemist

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December 30, 1993
Sample Log 8252

Sample: **C3-A,B,C,D**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 12/29/93

Received : 12/29/93
Analyzed : 12/30/93
QC Batch : PS931204

8080 - Organochlorine Pesticides and PCBs

Parameter	(RDL) mg/kg	Measured Value mg/kg	Flag
PCB 1016	(0.10)	< 0.10	
PCB 1221	(0.20)	< 0.20	
PCB 1232	(0.10)	< 0.10	
PCB 1242	(0.10)	< 0.10	
PCB 1248	(0.10)	< 0.10	
PCB 1254	(0.10)	< 0.10	
PCB 1260	**(0.10)**	**1.2**	

Method 608/8080 Surrogate Recoveries (%)

Tetrachloro-m-xylene	92 D	(60-150)
Decachlorobiphenyl	94 D	(60-150)

D Value derived from diluted extract (3:1)

D. Podolsky
Stewart Podolsky
Senior Chemist

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December 30, 1993
Sample Log 8252

Sample: **C3-E,F,G,H**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil
Extracted : 12/29/93

Received : 12/29/93
Analyzed : 12/30/93
QC Batch : PS931204

8080 - Organochlorine Pesticides and PCBs

Parameter	(RDL) mg/kg	Measured Value mg/kg	Flag
PCB 1016	(0.033)	<0.033	
PCB 1221	(0.066)	<0.066	
PCB 1232	(0.033)	<0.033	
PCB 1242	(0.033)	<0.033	
PCB 1248	(0.033)	<0.033	
PCB 1254	(0.033)	<0.033	
PCB 1260	**(0.033)**	**.46**	

Method 608/8080 Surrogate Recoveries (%)

Tetrachloro-m-xylene	96	(60-150)
Decachlorobiphenyl	84	(60-150)

Stewart Podolsky
Senior Chemist

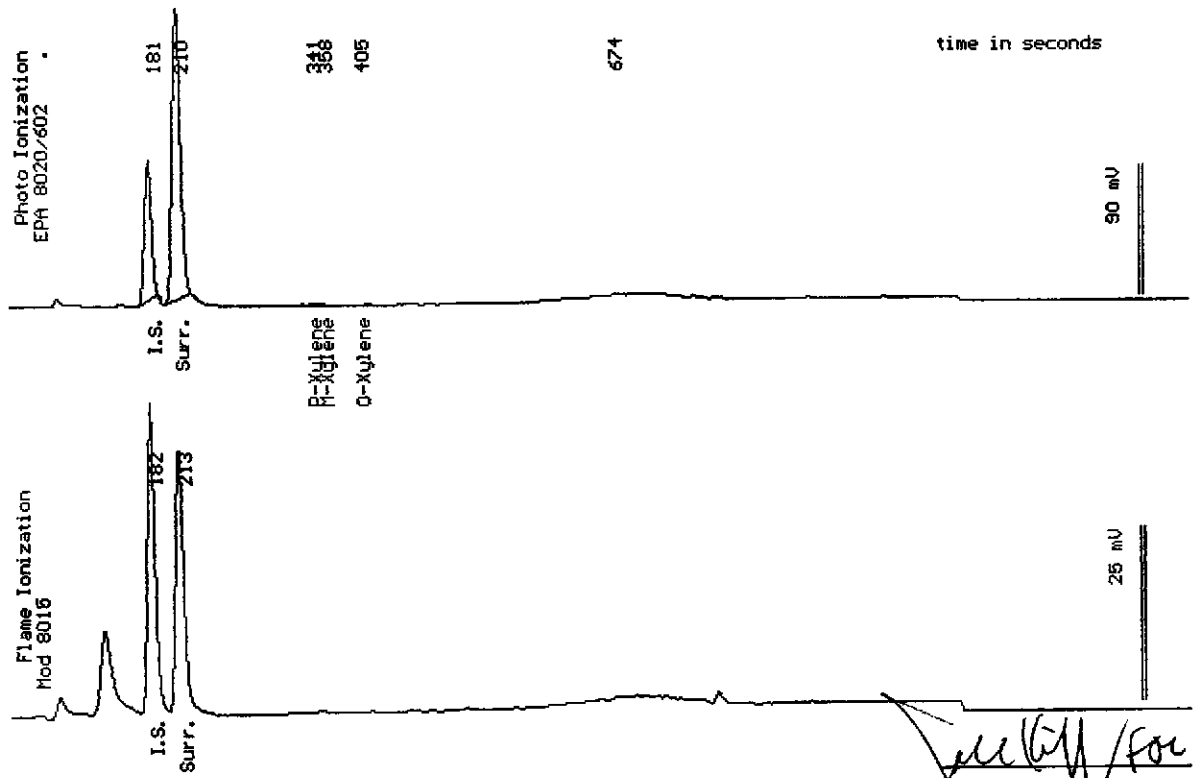
Sample Log 8252

8252-1

Sample: **PW-N**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Dilution : 1:1 QC Batch : 2042G
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
TPH as Gasoline	(.50)	<.50
Surrogate Recovery		111 %



Date Analyzed: 12-29-93
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

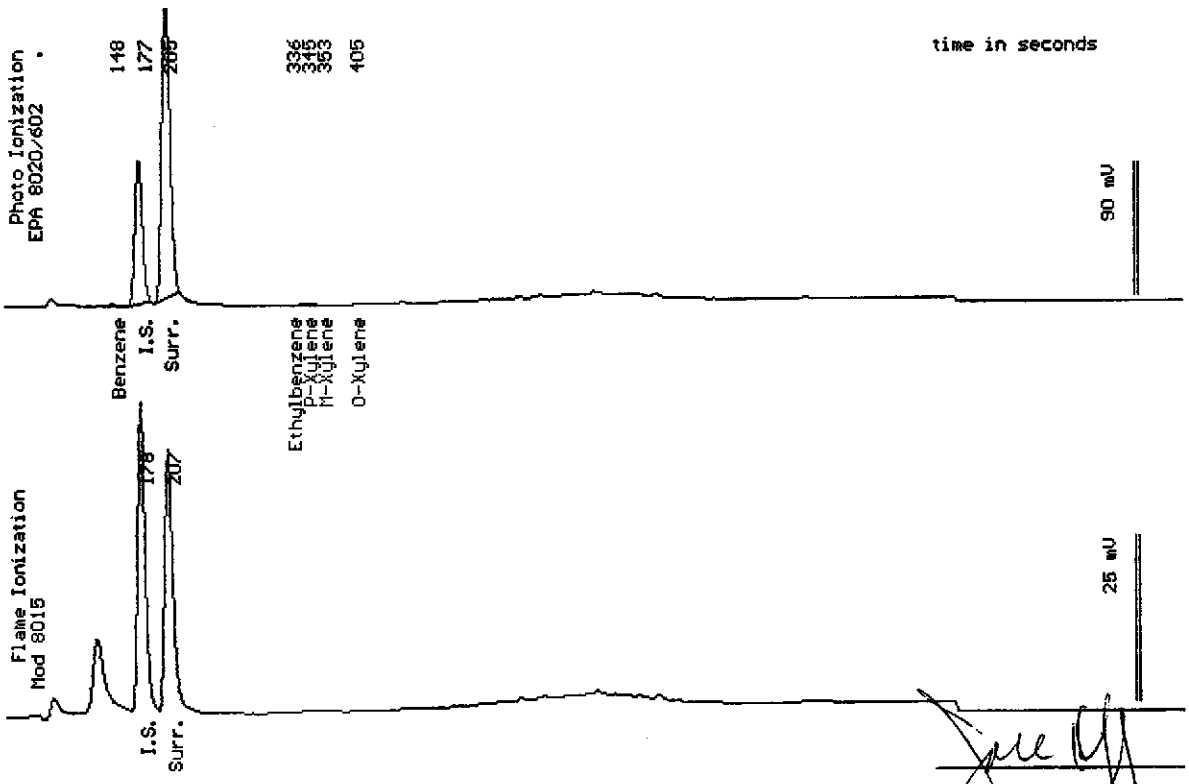
Mitra Sarkhosh
Senior Chemist

Sample Log 8252
8252-2

Sample: **PW-NE**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Dilution : 1:1 QC Batch : 2042G
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
TPH as Gasoline	(.50)	<.50
Surrogate Recovery		99 %



Date Analyzed: 12-29-93
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

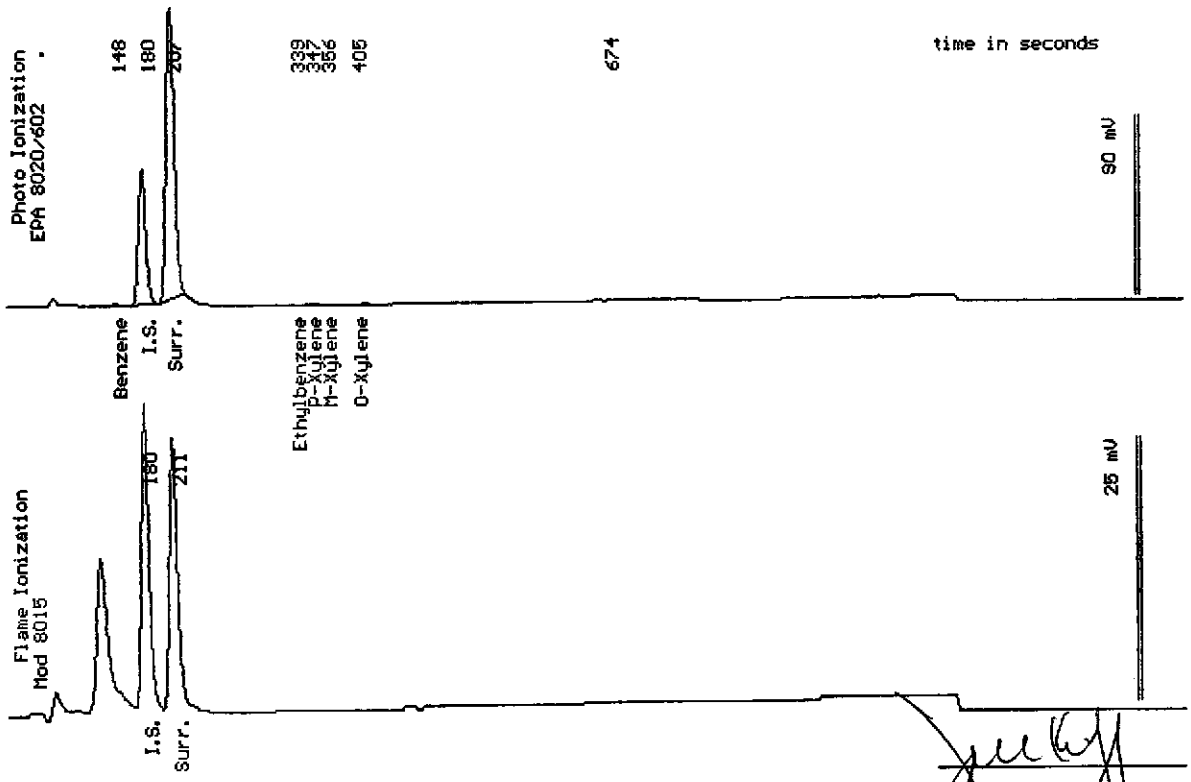
Sample Log 8252

8252-3

Sample: PF-5

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Dilution : 1:1 QC Batch : 2042G
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
TPH as Gasoline	(.50)	<.50
Surrogate Recovery		102 %



Date Analyzed: 12-29-93
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

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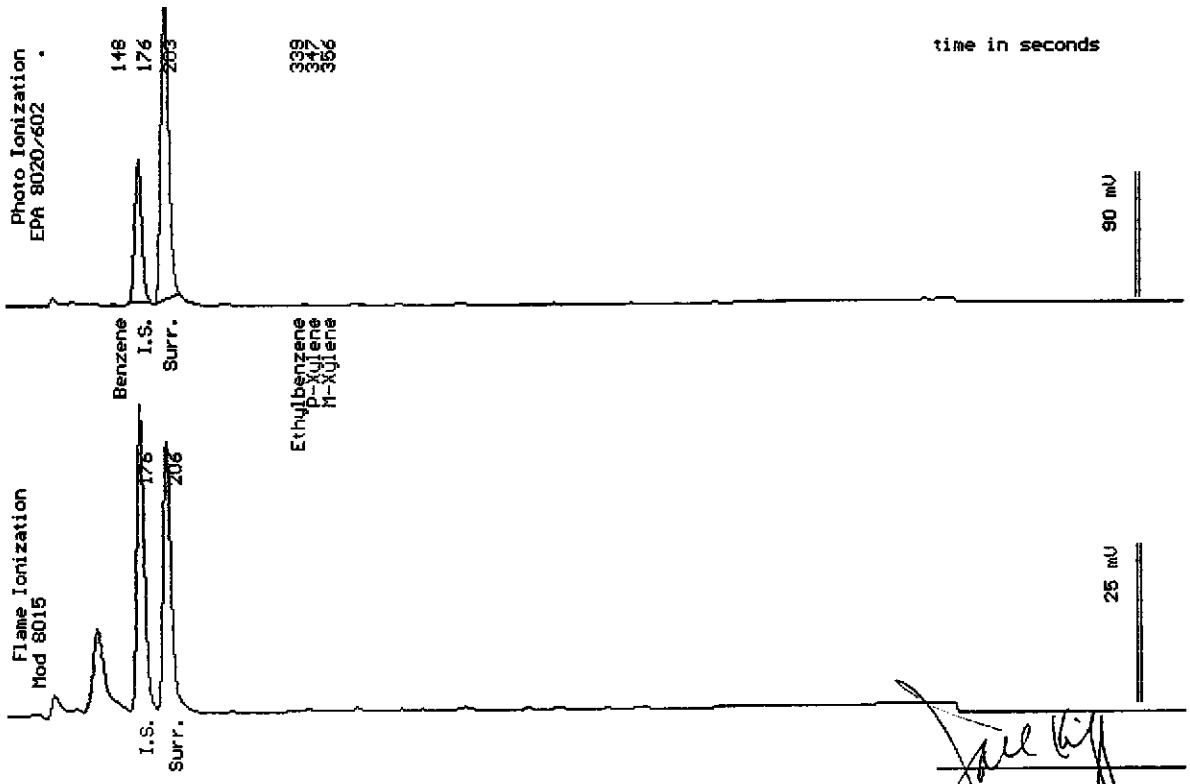
Sample Log 8252

8252-4

Sample: PF-6

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Dilution : 1:1 QC Batch : 2042G
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
TPH as Gasoline	(.50)	<.50
Surrogate Recovery		101 %



Date Analyzed: 12-30-93
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

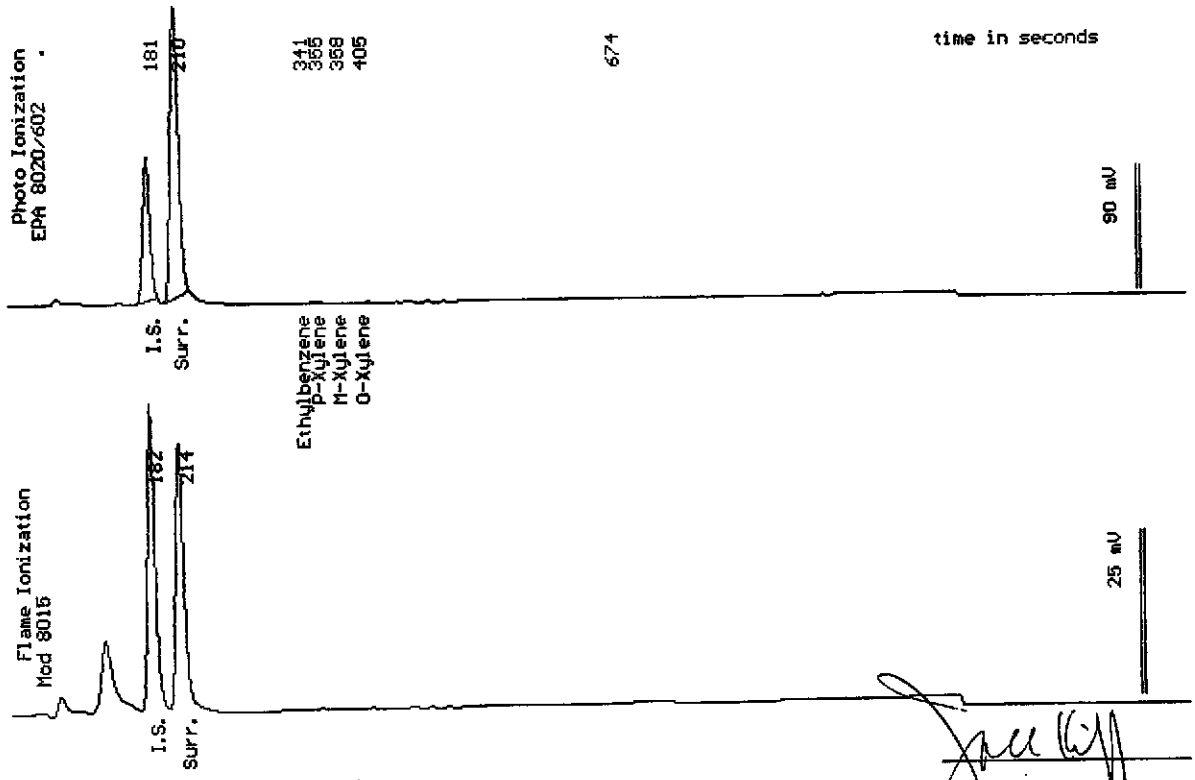
Sample Log 8252

8252-5

Sample: PF-7

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Dilution : 1:1 QC Batch : 2042G
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
TPH as Gasoline	(.50)	<.50
Surrogate Recovery		105 %



Date Analyzed: 12-30-93
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

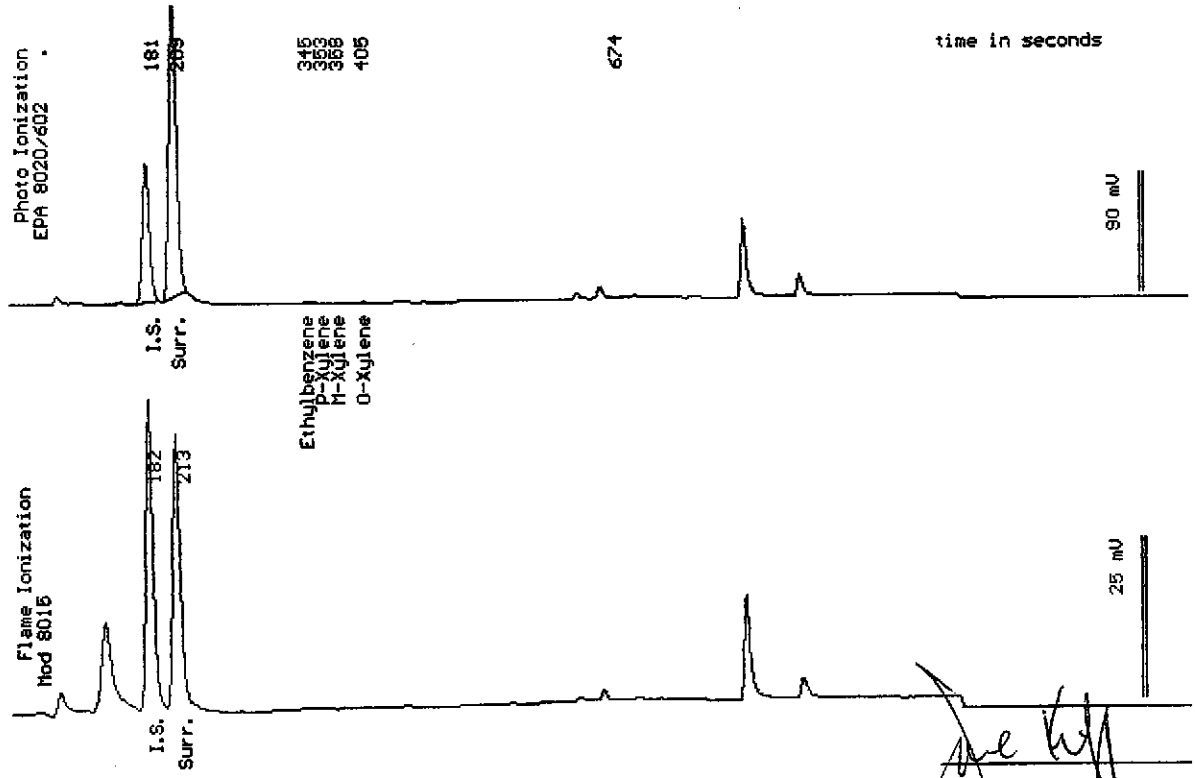
Sample Log 8252

8252-6

Sample: **C3-A,B,C,D**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Dilution : 1:1 QC Batch : 2042G
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
TPH as Gasoline	(.50)	<.50
Surrogate Recovery		98 %



Date Analyzed: 12-30-93
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
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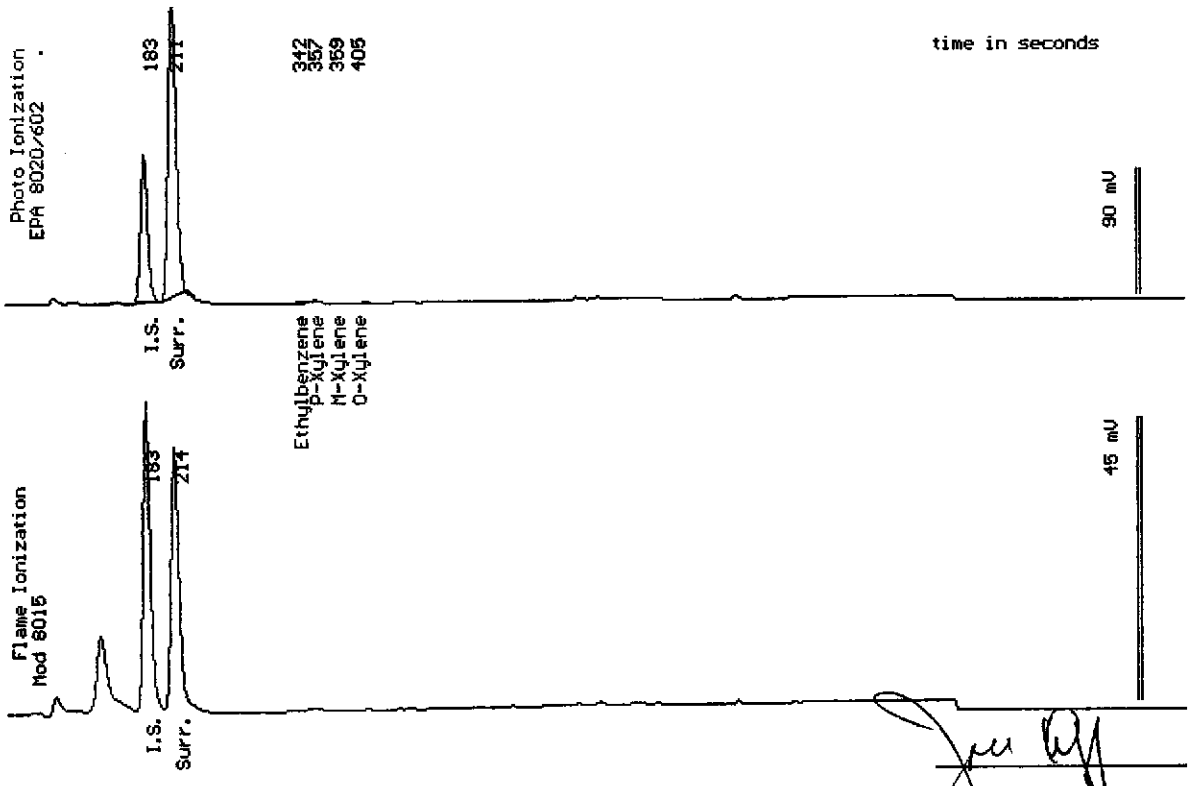
Sample Log 8252

8252-7

Sample: **C3-E,F,G,H**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Dilution : 1:1 QC Batch : 2042G
Matrix : Soil

Parameter	(MRL) mg/kg	Measured Value mg/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
TPH as Gasoline	(.50)	<.50
Surrogate Recovery		99 %



Date Analyzed: 12-30-93
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

December 30, 1993
Sample Log 8252
8252-1

Sample: **PW-N**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil

Received : 12/29/93
Analyzed : 12/30/93

8010 - Halogenated Volatile Organics

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Chloromethane	(.005)	<.005	
Chloroethane	(0.01)	<0.01	
Vinyl Chloride	(.005)	<.005	
Bromomethane	(0.01)	<0.01	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(.005)	<.005	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	<.005	
1,1-Dichloroethane	(.005)	<.005	
Chloroform	(.005)	<.005	
1,1,1-Trichloroethane	(.005)	<.005	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.005)	<.005	
1,2-Dichloropropane	(.005)	<.005	
Trichloroethene	(.005)	<.005	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	<.005	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.005)	<.005	
Dibromochloromethane	(.005)	<.005	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.005)	<.005	
1,4-Dichlorobenzene	(.005)	<.005	
1,3-Dichlorobenzene	(.005)	<.005	
1,2-Dichlorobenzene	(.005)	<.005	
2-Chlorotoluene (Surrogate)		72 %	

Joel Kiff
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December 30, 1993
Sample Log 8252
8252-2

Sample: **PW-NE**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil

Received : 12/29/93
Analyzed : 12/30/93

8010 - Halogenated Volatile Organics

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Chloromethane	(.005)	<.005	
Chloroethane	(0.01)	<0.01	
Vinyl Chloride	(.005)	<.005	
Bromomethane	(0.01)	<0.01	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(.005)	<.005	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	<.005	
1,1-Dichloroethane	(.005)	<.005	
Chloroform	(.005)	<.005	
1,1,1-Trichloroethane	(.005)	<.005	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.005)	<.005	
1,2-Dichloropropane	(.005)	<.005	
Trichloroethene	(.005)	<.005	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	<.005	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.005)	<.005	
Dibromochloromethane	(.005)	<.005	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.005)	<.005	
1,4-Dichlorobenzene	(.005)	<.005	
1,3-Dichlorobenzene	(.005)	<.005	
1,2-Dichlorobenzene	(.005)	<.005	
2-Chlorotoluene (Surrogate)		74 %	

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December 30, 1993
Sample Log 8252
8252-3

Sample: **PF-5**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil

Received : 12/29/93
Analyzed : 12/30/93

8010 - Halogenated Volatile Organics

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Chloromethane	(.005)	<.005	
Chloroethane	(0.01)	<0.01	
Vinyl Chloride	(.005)	<.005	
Bromomethane	(0.01)	<0.01	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(.005)	<.005	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	<.005	
1,1-Dichloroethane	(.005)	<.005	
Chloroform	(.005)	<.005	
1,1,1-Trichloroethane	(.005)	<.005	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.005)	<.005	
1,2-Dichloropropane	(.005)	<.005	
Trichloroethene	(.005)	<.005	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	<.005	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.005)	<.005	
Dibromochloromethane	(.005)	<.005	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.005)	<.005	
1,4-Dichlorobenzene	(.005)	<.005	
1,3-Dichlorobenzene	(.005)	<.005	
1,2-Dichlorobenzene	(.005)	<.005	
2-Chlorotoluene (Surrogate)		75 %	

Joel Kiff
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December 30, 1993
Sample Log 8252
8252-4

Sample: PF-6

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil

Received : 12/29/93
Analyzed : 12/30/93

8010 - Halogenated Volatile Organics

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Chloromethane	(.005)	<.005	
Chloroethane	(0.01)	<0.01	
Vinyl Chloride	(.005)	<.005	
Bromomethane	(0.01)	<0.01	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(.005)	<.005	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	<.005	
1,1-Dichloroethane	(.005)	<.005	
Chloroform	(.005)	<.005	
1,1,1-Trichloroethane	(.005)	<.005	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.005)	<.005	
1,2-Dichloropropane	(.005)	<.005	
Trichloroethene	(.005)	<.005	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	<.005	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.005)	<.005	
Dibromochloromethane	(.005)	<.005	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.005)	<.005	
1,4-Dichlorobenzene	(.005)	<.005	
1,3-Dichlorobenzene	(.005)	<.005	
1,2-Dichlorobenzene	(.005)	<.005	
2-Chlorotoluene (Surrogate)		74 %	

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December 30, 1993
Sample Log 8252
8252-5

Sample: PF-7

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil

Received : 12/29/93
Analyzed : 12/30/93

8010 - Halogenated Volatile Organics

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Chloromethane	(.005)	<.005	
Chloroethane	(0.01)	<0.01	
Vinyl Chloride	(.005)	<.005	
Bromomethane	(0.01)	<0.01	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(.005)	<.005	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	<.005	
1,1-Dichloroethane	(.005)	<.005	
Chloroform	(.005)	<.005	
1,1,1-Trichloroethane	(.005)	<.005	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.005)	<.005	
1,2-Dichloropropane	(.005)	<.005	
Trichloroethene	(.005)	<.005	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	<.005	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.005)	<.005	
Dibromochloromethane	(.005)	<.005	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.005)	<.005	
1,4-Dichlorobenzene	(.005)	<.005	
1,3-Dichlorobenzene	(.005)	<.005	
1,2-Dichlorobenzene	(.005)	<.005	
2-Chlorotoluene (Surrogate)		71	%

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December 30, 1993
Sample Log 8252
8252-6

Sample: **C3-A,B,C,D**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil

Received : 12/29/93
Analyzed : 12/30/93

8010 - Halogenated Volatile Organics

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Chloromethane	(.005)	<.005	
Chloroethane	(0.01)	<0.01	
Vinyl Chloride	(.005)	<.005	
Bromomethane	(0.01)	<0.01	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(.005)	<.005	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	<.005	
1,1-Dichloroethane	(.005)	<.005	
Chloroform	(.005)	<.005	
1,1,1-Trichloroethane	(.005)	<.005	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.005)	<.005	
1,2-Dichloropropane	(.005)	<.005	
Trichloroethene	(.005)	<.005	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	<.005	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.005)	<.005	
Dibromochloromethane	(.005)	<.005	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.005)	<.005	
1,4-Dichlorobenzene	(.005)	<.005	
1,3-Dichlorobenzene	(.005)	<.005	
1,2-Dichlorobenzene	(.005)	<.005	
2-Chlorotoluene (Surrogate)		86 %	

Joel Kiff
Senior Chemist

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December 30, 1993
Sample Log 8252
8252-7

Sample: C3-E,F,G,H

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Matrix : Soil

Received : 12/29/93
Analyzed : 12/30/93

8010 - Halogenated Volatile Organics

Parameter	(MRL) mg/kg	Measured Value mg/kg	Flag
Chloromethane	(.005)	<.005	
Chloroethane	(0.01)	<0.01	
Vinyl Chloride	(.005)	<.005	
Bromomethane	(0.01)	<0.01	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(.005)	<.005	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	<.005	
1,1-Dichloroethane	(.005)	<.005	
Chloroform	(.005)	<.005	
1,1,1-Trichloroethane	(.005)	<.005	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.005)	<.005	
1,2-Dichloropropane	(.005)	<.005	
Trichloroethene	(.005)	<.005	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	<.005	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.005)	<.005	
Dibromochloromethane	(.005)	<.005	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.005)	<.005	
1,4-Dichlorobenzene	(.005)	<.005	
1,3-Dichlorobenzene	(.005)	<.005	
1,2-Dichlorobenzene	(.005)	<.005	
2-Chlorotoluene (Surrogate)		98	%

Joel Kiff
Senior Chemist

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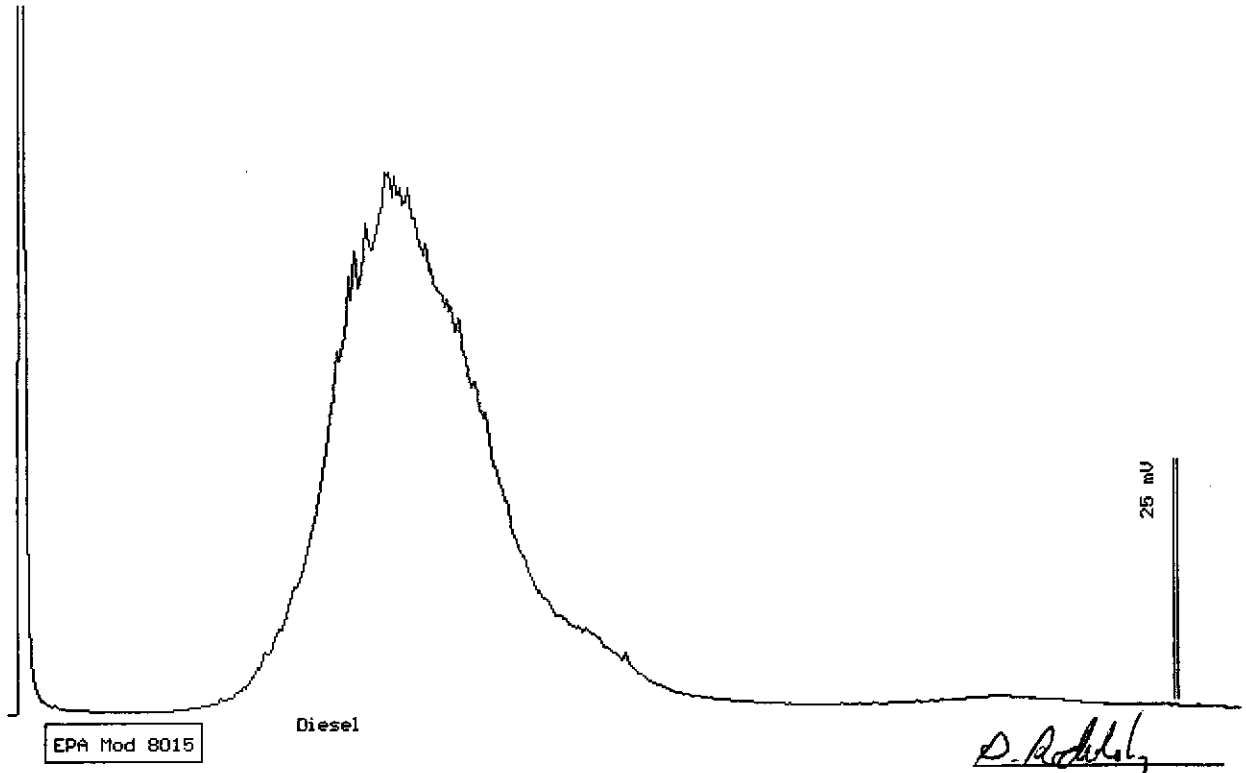
Sample Log 8252

8252-1

Sample: **PW-N**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Extracted: 12/29/93 QC Batch : DS931212
Dilution : 1:1 Run Log : 8142D
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	300
TPH as Motor Oil	(10)	<10



Date: 12-30-93 Time: 01:55:18
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

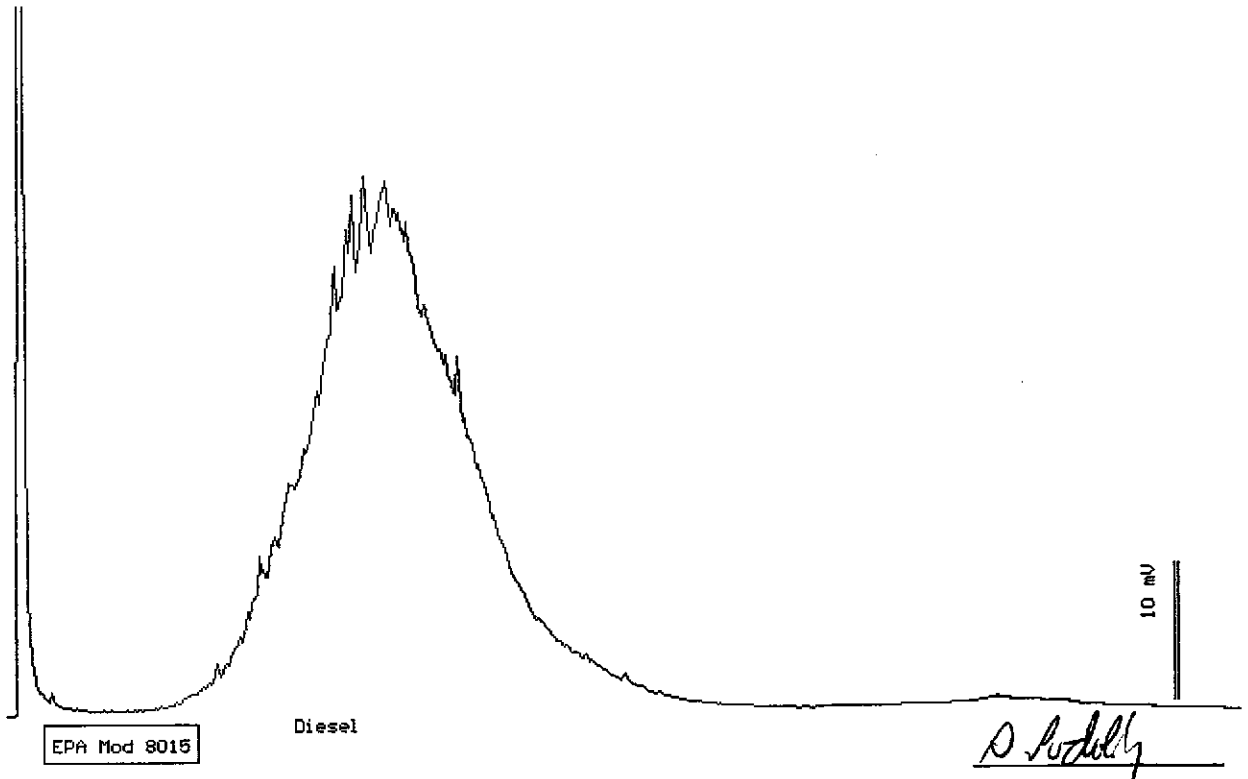
Sample Log 8252

8252-2

Sample: **PW-NE**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Extracted: 12/29/93 QC Batch : DS931212
Dilution : 1:1 Run Log : 8142D
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	210
TPH as Motor Oil	(10)	<10



Date: 12-30-93 Time: 02:28:06
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

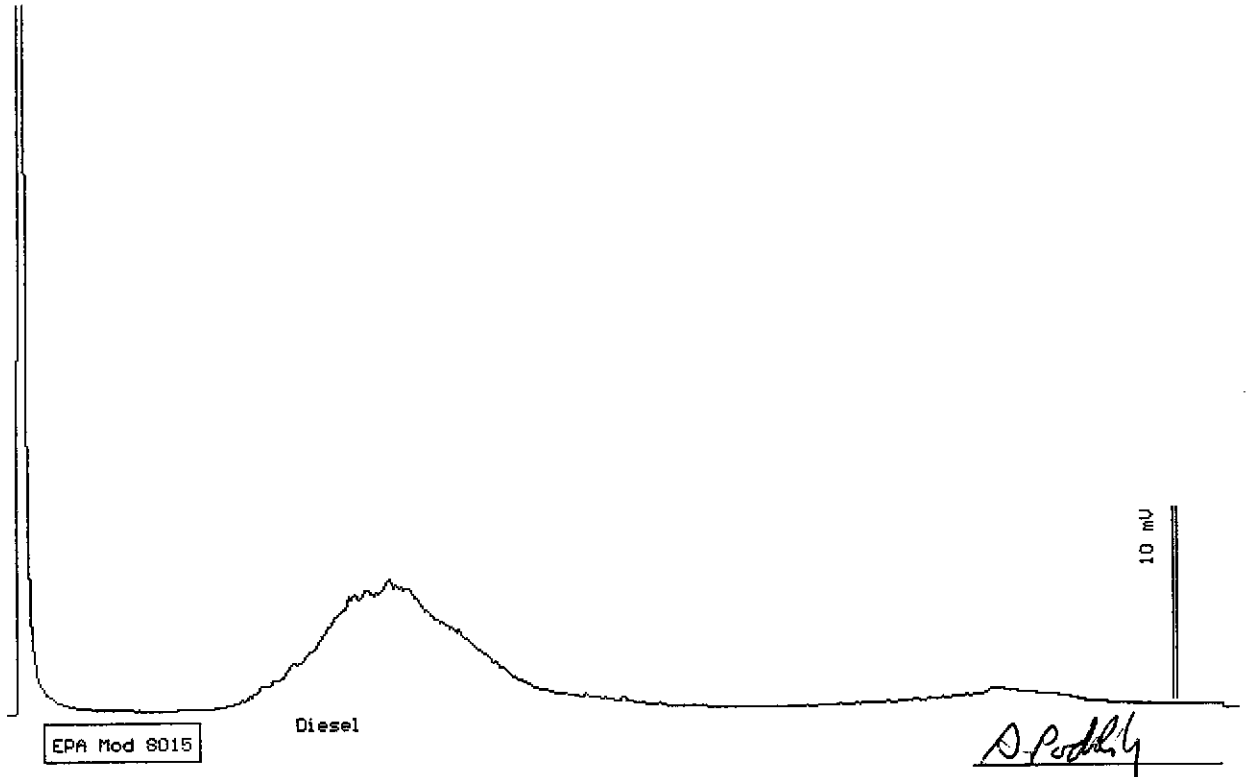
Sample Log 8252

8252-3

Sample: PF-5

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Extracted: 12/29/93 QC Batch : DS931212
Dilution : 1:1 Run Log : 8142D
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	36
TPH as Motor Oil	(10)	<10



Date: 12-30-93 Time: 03:00:53
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

Sample Log 8252

8252-4

Sample: **PF-6**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Extracted: 12/29/93 QC Batch : DS931212
Dilution : 1:1 Run Log : 8142D
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	<10
TPH as Motor Oil	(10)	<10

EPA Mod 8015

Date: 12-30-93 Time: 03:33:39
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

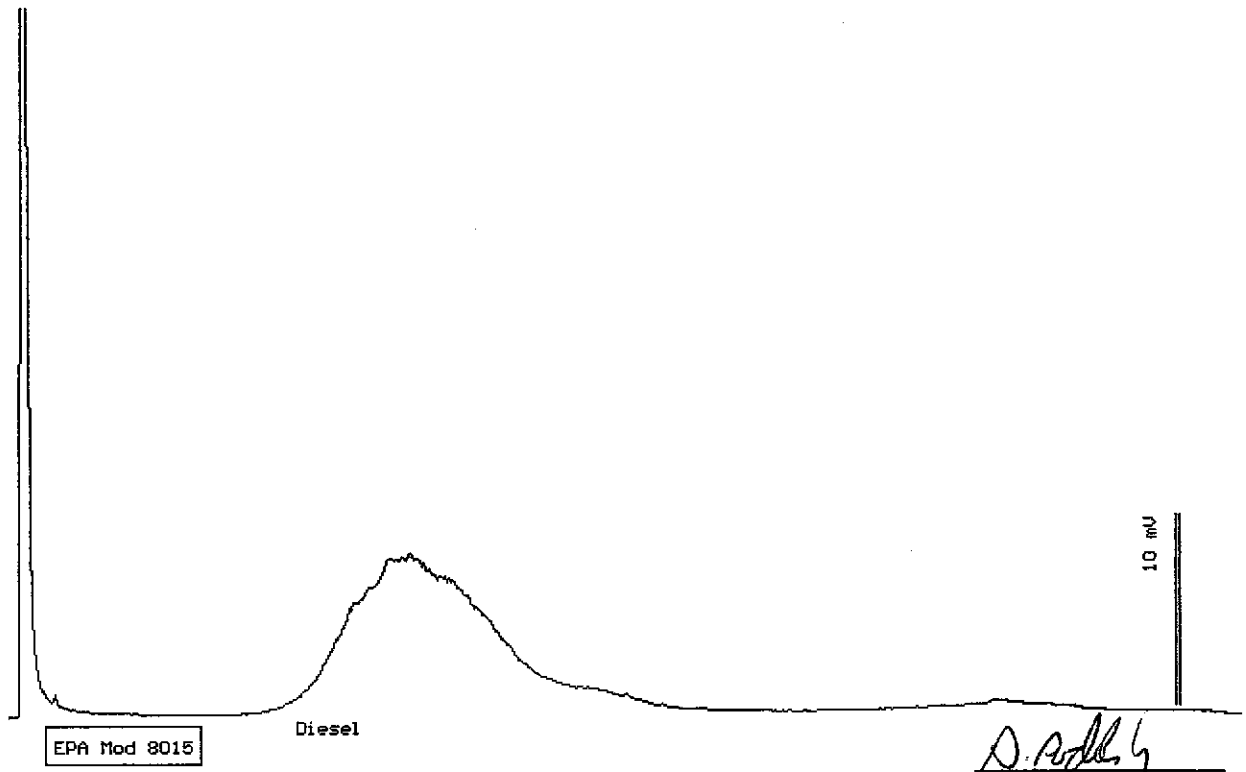
Sample Log 8252

8252-5

Sample: **PF-7**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Extracted: 12/29/93 QC Batch : DS931212
Dilution : 1:1 Run Log : 8142D
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	41
TPH as Motor Oil	(10)	<10



Date: 12-30-93 Time: 04:06:21
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

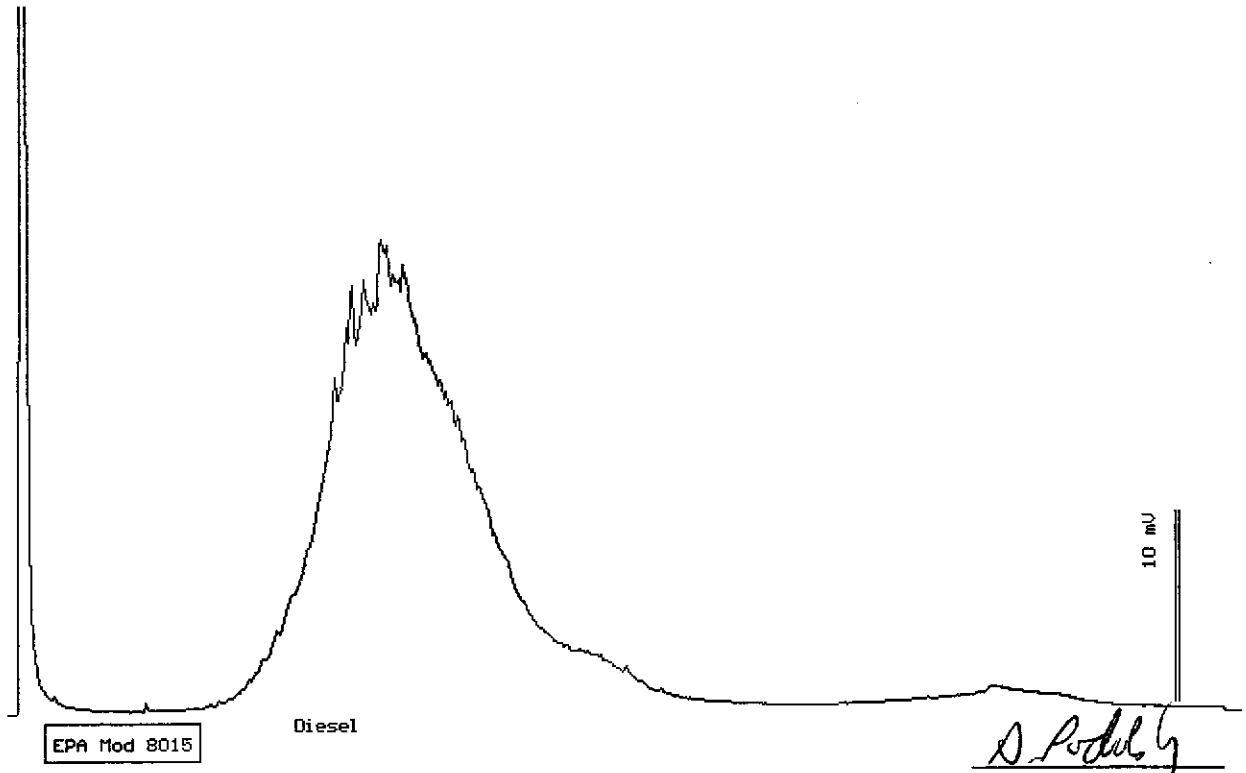
Sample Log 8252

8252-6

Sample: **C3-A,B,C,D**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Extracted: 12/29/93 QC Batch : DS931212
Dilution : 1:1 Run Log : 8142D
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	120
TPH as Motor Oil	(10)	<10



Date: 12-30-93 Time: 04:39:25
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

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Senior Chemist

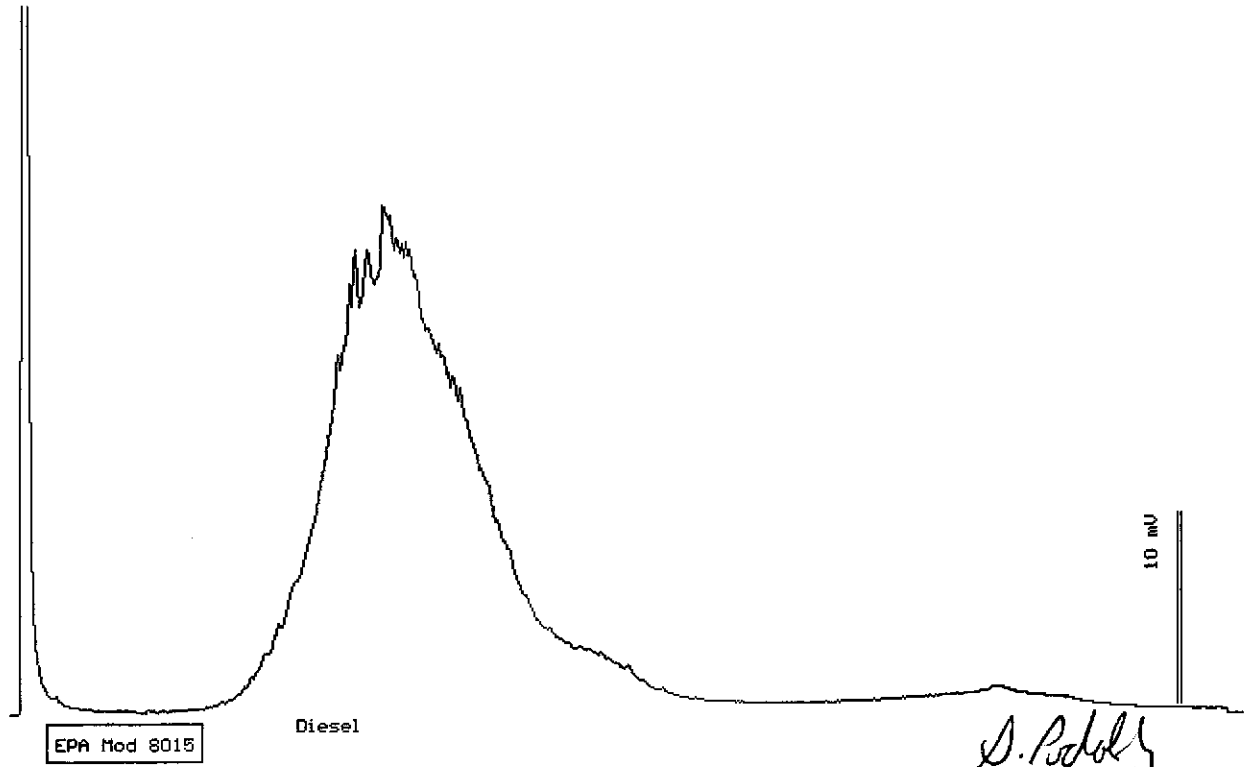
Sample Log 8252

8252-7

Sample: **C3-E,F,G,H**

From : Project # 649001 (PG&E)
Sampled : 12/29/93
Extracted: 12/29/93 QC Batch : DS931212
Dilution : 1:1 Run Log : 8142D
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	130
TPH as Motor Oil	(10)	<10



Date: 12-30-93 Time: 05:13:21
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

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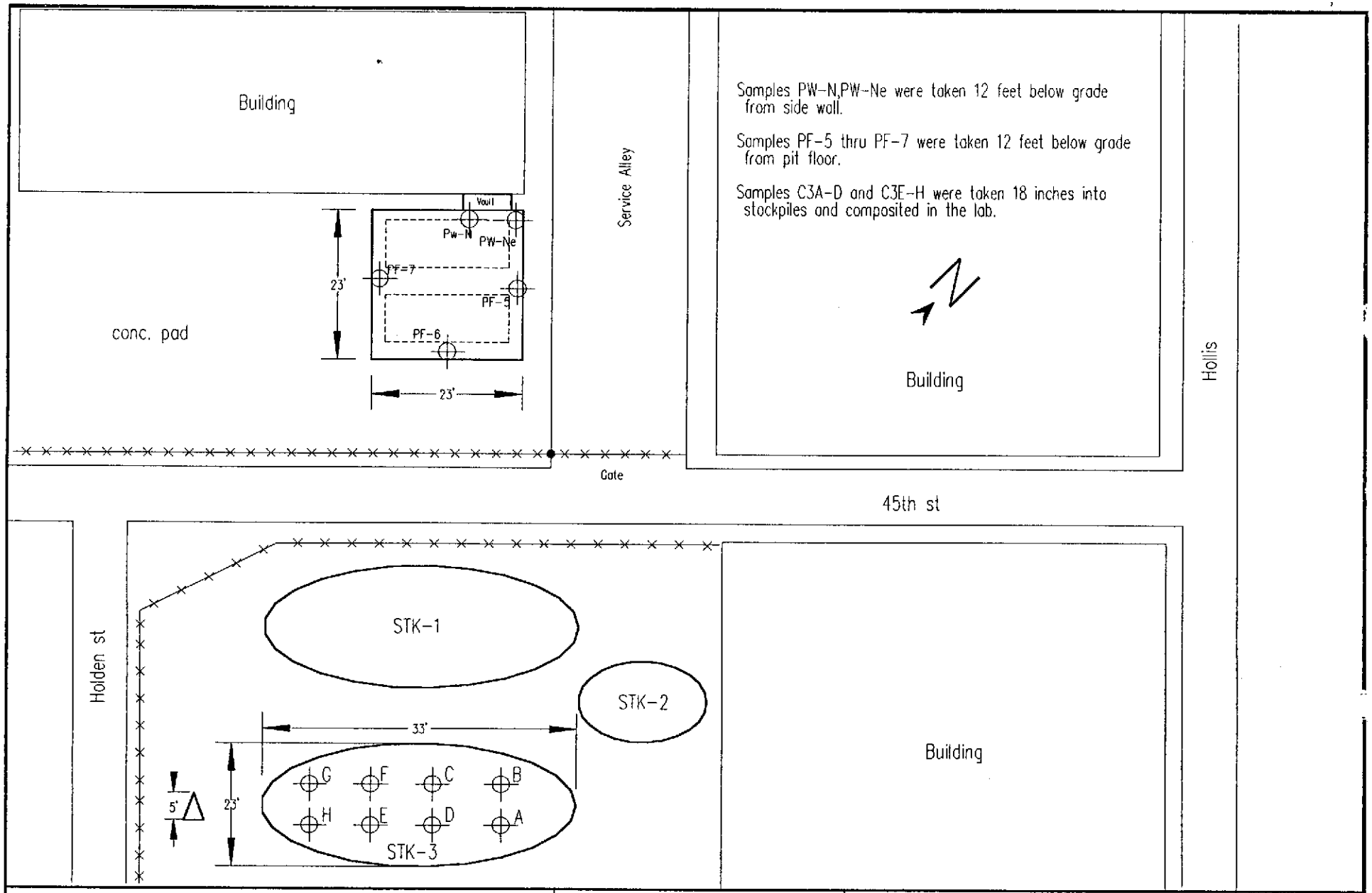

RAMCON
PG&E 4525 Hollis st Emeryville, Ca.

Sample Log#: 8252
DATE: 12/29/93
SCALE none

Western Environmental Science & Technology
45133 County Road 32B, Davis, CA 95616-9426
Phone: (916) 753-9500
Drawn by: Chris Goodrich

8252

WEST
Western Environmental Science & Technology
1046 Olive Drive, Suite 3
Davis, CA 95616
916-753-9500
FAX #: 916-753-6091
LAB#: 916-757-4650

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: FRANK PILE
Phone #: 916- 372-7535
Company/Address: RAMCON
FAX #:
Project Number: 694001
P.O.#: 9443
Project Name: PG&E
Project Location: 4525 Hollis EMERYVILLE CA.
Sampler Signature: Chris Hoard

Sample ID	Sampling DATE	Sampling TIME	Container VOA	Container SLEEVE	Container 1L GLASS	Container 1L PLASTIC	Method Preserved HCl	Method Preserved HNO_3	Method Preserved ICE	Method Preserved NONE	Matrix WATER	Matrix SOIL
PW-N	12-29-93	13:30		1					X			X
PW-NE	"	13:45		1					"			"
PE-5	"	13:55		1					"			"
PE-6	"	13:55		1					"			"
PE-7	"	13:55		1					"			"
C3 A-D	"	14:30		4	comp				"			"
* C3 E-G	"	14:30		4	comp				"			"

ANALYSIS REQUEST

BTEX (602/8020)	BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel/Oil (8015)	Total Oil & Grease (5520 B/E,F)	Total Oil & Grease IR (5520 B/E,F,C)	96 - Hour Fish Bioassay	EPA 601/8010	EPA 602/8020	EPA 615/8150	EPA 608/8080 - Pesticides	EPA 608/8080-PCBs	EPA 624/8240	EPA 625/8270	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	W.E.T. (#)	TOTAL (#)	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD(7420/7421/239.2)	Cd, Cr, Pb, Zn, Ni
X		X								X										

TAT

RUSH SERVICE (12 hr) or (24 hr)	EXPEDITED SERVICE (48 hr) or (1 wk)	STANDARD SERVICE (2wk)
SEE REMARKS		

Relinquished by:	Date	Time	Received by:
Relinquished by	Date	Time	Received by:
Relinquished by: Chris Hoard	12/29/93	1622	Received by Laboratory: WEST

Remarks: PCB's 1wk TAT
TPH d, BTEX 24hr TAT
* C3 E-G SHOULD BE E-H
LAT 5:30 (COMP OF 4)

RECEIVED
O/C by W.E.S.T.
date 12/29/93

Bill To: