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DRAFT
HAZARDOUS WASTE PRELIMINARY SITE INVESTIGATION WORKPLAN
TO NUMBER 04-44680K-GL
CONTRACT NUMBER 43A0078

7TH & MANDALA
PARK & RIDE LOT
OAKLAND, CALIFORNIA

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7TH & MANDALA
PARK & RIDE LOT
OAKLAND, CALIFORNIA

prepared for

CALIFORNIA DEPARTMENT OF
TRANSPORTATION
District 4
Oakland, California

prepared by

Professional Service Industries, Inc.
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February 19, 2002
PSI Project No: 575-1G055

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STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

Information provided in this report is intended exclusively for the California Department of Transportation (Caltrans) (PSI Project Number 575-1G055) for the evaluation of soil and/or groundwater contamination as it pertains to the subject site. Professional Service Industries, Inc., (PSI) is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official view or policies of the State of California or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation. The professional services provided have been performed in accordance with practices generally accepted by other geologists, hydrologists, hydrogeologists, engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made. As with all subsurface investigations, there is no guarantee that the work conducted will identify any and all sources or locations of contamination.

This report is issued with the understanding that Caltrans is responsible for ensuring that the information contained in this report is brought to the attention of the appropriate regulatory agency. This report has been reviewed by a geologist who is registered in the State of California and whose signature and license number appears below.

Professional Service Industries, Inc.

Frank R. Poss, R.E.A.
Senior Hydrogeologist

Brand Burfield , RG 6986
Senior Geologist

1.0 INTRODUCTION

Professional Service Industries, Inc. (PSI) has been retained by the California Department of Transportation (Caltrans), under Task Order Number 04-44680K-GL and Contract Number 43A0078, to assess current soil and groundwater conditions at the 7th & Mandela Park & Ride Lot in Oakland, California (subject site; Figure 1). This project is part of the relocation of the Park & Ride Lot to beneath Route 880 between Filbert and Bush Streets.

The scope of work for this investigation includes:

- A line-locating survey;
- Drilling and Global Positioning Survey (GPS) of 7 soil borings;
- Collection of soil and groundwater samples to characterize soil and groundwater quality where tested; and
- A Final Report detailing the results of the investigation.

1.1 PROJECT OBJECTIVE

The objective of the project is to evaluate the extent and nature of soil and groundwater contamination associated with the subject site, if any. Analytical results from the soil and groundwater investigation will be examined with respect to regulatory criteria and published guidelines.

2.0 INVESTIGATIVE METHODS

2.1 PRE-FIELD ACTIVITIES

Prior to initiation of field drilling activities, PSI marked the boring locations in white paint and contacted Underground Service Alert (USA) a minimum of 48 hours prior to beginning work to locate any potential buried utilities.

A site-specific Health and Safety Plan (HSP) was developed in compliance with 29 CFR 1910.120, and reviewed and signed by a Certified Industrial Hygienist. The HSP was designed to address the potential hazardous materials that could be encountered during field activities at the site and to minimize exposure of on-site personnel to potentially hazardous materials and unsafe working conditions.

2.2 SOIL BORINGS

On January 8, 2002, 7 soil borings were drilled at the site. The boring locations are presented on Figure 2. Soil borings were drilled using a direct-push drill rig operated by V&W Drilling of Rio Vista, California. The depth at which soil samples were collected in each boring is depicted in Table 1. Soil samples were collected according to the protocol presented in Appendix A. After completion, each boring was backfilled with neat cement to grade.

Soil borings were logged according to the "Soil and Rock Logging Classification Manual" of the State of California, Department of Transportation, which is consistent with the Unified Soil Classification System. Boring logs are presented in Appendix B. The subsurface materials observed during drilling activities consisted primarily of silty sand to approximately 1.5 meters (5 feet) underlain by clayey sand to the depth explored. Groundwater was detected at approximately 3.6 meters (12 feet) below ground surface (bgs) in boring B-1.

A Flame Ionization Detector (FID) was used to field-screen all soil samples for Volatile Organic Compounds (VOCs). None of the soil samples had a reading above 10 parts per million (ppm). VOCs were not detected during field screening in any of the other samples obtained. Please refer to the boring logs for a summary of the field screening data.

Soil samples were logged on a chain-of-custody record and transported to a California Department of Health Services Environmental Laboratory Accreditation Program (DHS-ELAP)-certified hazardous materials testing laboratory, following chain-of-custody protocol. The analytical results are described in Section 4.

Each of the borings was surveyed using the global positioning system (GPS). The instrument utilized was manufactured by Trimble, and has sub-meter accuracy. The results of the GPS survey are included in Appendix C.

2.3 GROUNDWATER SAMPLING

A groundwater sample was collected from each of the borings. The sample was obtained using hydropunch technology. The water samples were collected using disposable polyethylene tubing equipped with a check valve lowered through the drill stem.

The groundwater sample was logged on chain-of-custody records and submitted to a DHS-ELAP certified hazardous materials testing laboratory, following chain-of-custody protocol. The analytical results are described in Section 4.

3.0 LABORATORY ANALYSIS PROGRAM

The soil and groundwater samples collected during this investigation were submitted to Basic Laboratory of Redding California, a DHS-ELAP-certified hazardous waste laboratory. The results of the analytical testing are presented in Section 4.0 and are summarized in Tables 1 through 4. A summary of the types of analyses and analytical methods performed on the soil and groundwater samples is presented below.

• Total Petroleum Hydrocarbons as Gasoline (TPH-G)	EPA Method 8015
• Total Petroleum Hydrocarbons as Diesel (TPH-D)	EPA Method 8015
• Total Petroleum Hydrocarbons as Motor Oil (TPH-MO)	EPA Method 8015
• Volatile Organic Compounds (VOC) (inc. oxygenates)	EPA Method 8260
• Metals (incl. chromium 6+)	EPA Method 6010
• Semi-Volatile Organic Compounds (VOC)	EPA Method 8270
• Organophosphorus Pesticides	EPA Method 8141
• Chlorinated Herbicides	EPA Method 8151
• Polychlorinated Biphenyls (PCB)	EPA Method 8082
• pH	EPA Method 9045

If total metal concentrations exceeded ten times their respective soluble threshold limit concentrations (STLC) and are below their respective total threshold limit concentrations (TTLC), a waste extraction test (WET) was performed. If total metal concentrations exceeded the TTLC or soluble metal concentration exceeded the STLC, a toxicity characteristic leaching procedure (TCLP) was also performed. Additionally, four samples were analyzed for their respective STLC using de-ionized water.

To determine whether the chromium at the site was trivalent or hexavalent, the three soil samples with the highest chromium concentrations were analyzed for hexavalent chromium.

4.0 INVESTIGATIVE RESULTS

4.1 METALS - SOIL

A summary of the analytical results for metals in soil samples is presented in Table 1 and a copy of the analytical report is included in Appendix C. The analytical results for soil samples analyzed for California Code of Regulations (CCR) metals indicated the presence of antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc. The results of the soil analyses were compared to California Code of Regulations Title 22 List of Inorganic, Persistent, and Bioaccumulative Toxic Substances and their STLC and TTLC Values. One soil sample had a concentration greater than the TTLC for lead (B19-2). The soil represented by these samples could be classified as hazardous by the State of California upon excavation and designation as a waste material.

Lead was the only metal detected at a concentration above the screening criteria of ten times its respective STLC. Of the soil samples analyzed, three had lead results, which exceeded the screening criteria. As requested by Caltrans, these soil samples were re-analyzed for the soluble lead concentrations using the WET. Only one of the soil samples (B17-2), had a soluble lead concentration after the WET. The soil represented by this sample could be classified as hazardous by the State of California upon excavation and designation as a waste material.

The soil sample with a soluble lead concentration greater than the STLC and the soil samples with a total lead concentration greater than the TTLC were also analyzed according to the TCLP. None of the soil samples had a TCLP concentration above the regulatory limit, therefore, the soil represented by this sample would not be classified as a Resource Conservation and Recovery Act (RCRA) waste.

Additionally, four soil samples B14-2, B17-2, B18-8, and B19-2 were re-analyzed for the soluble lead concentrations using the deionized water WET. The highest soluble lead was 0.098 mg/l in soil sample B17-2.

The highest lead concentrations, and the only samples deemed to be hazardous, were generally collected at 0.6 meters (2 feet) bgs. Therefore, lead impacted soil appears to be confined to the upper meter of soil at the site.

None of the five soil samples analyzed for hexavalent chrome had detectable concentrations. Based on this result, the total chromium at the site is assumed to trivalent chromium.

The pH readings in soil samples analyzed for pH ranged from 6.87 to 7.72.

4.2 ORGANICS - SOIL

A summary of the analytical results for organic compounds in soil samples is presented in Table 2. None of the soil samples had detectable concentrations of PCBs, Organochlorine Pesticides, or SVOCs.

TPH-G was detected in four of the soil samples collected at the site with the maximum concentration detected being 0.479 milligrams per kilogram (mg/kg) in soil sample B15-5. TPH-D was detected in eleven of the soil samples collected at the site with the maximum concentration detected being 51 milligrams per kilogram (mg/kg) in soil sample B18-8. TPH-MO was detected in five of the soil samples collected at the site with the maximum concentration detected being 66 milligrams per kilogram (mg/kg) in soil sample B18-8. None of the soil samples had detectable concentrations of VOCs with the exception of soil sample B18-8, which had a p-isopropyltoluene concentration of 0.062 mg/kg. P-isopropyltoluene does not have a published EPA Region IX Preliminary Remediation Goal (PRG). Based on the trace concentration of TPH-G and VOCs, the low concentrations of TPH-D and TPH-MO and the lack of any other detected compound, PSI believes the concentrations detected are below regulatory concern.

4.3 METALS – GROUNDWATER

A summary of the analytical results for metal compounds in groundwater samples is presented in Table 3. The results from groundwater samples analyzed for California Code of Regulations (CCR) metals indicated the presence of the following metals: barium, cobalt, molybdenum, and nickel. The maximum concentration of the metal detected and the associated groundwater sample analyzed is presented below:

- Barium: 0.11 mg/l in B20-W
- Cobalt: 0.076 mg/l in B1-W
- Molybdenum: 0.048 mg/l in B1-W
- Nickel: 0.048 mg/l in B1-W

The results of the groundwater analyses were compared to the State of California Primary and Secondary Drinking Water Standards (PDWS and/or SDWS). None of the samples had concentrations greater than their respective PDWS and/or SDWS

4.4 ORGANICS – GROUNDWATER

A summary of the analytical results for organic compounds in the groundwater sample is presented in Table 3. None of the groundwater samples had detectable concentrations of TPH-G, TPH-D, and TPH-MO. VOCs were detected in groundwater sample B-17-W with ethylbenzene and toluene detected at 0.001 mg/l. The concentrations detected were compared to the State of California Primary Drinking Water Standard (PDWS) for each of these compounds. The ethylbenzene and toluene concentrations were significantly below their PDWS.

5.0 PREVIOUS INVESTIGATION

As part of a soil and groundwater investigation between Broadway and Jackson beneath Highway 880 in Oakland California, PSI performed soil and groundwater sampling in the area of the proposed location for the new Park and Ride Lot. The new location is between Filbert and Bush Streets beneath Highway 880 in Oakland, California. The results of the PSI investigation for this property is detailed in a report dated December 21, 2001 and was completed under Task Order Number 04-260000-WR.

Borings B5 through B16 were drilled in the area of the proposed Park and Ride Lot. The analytical tables, boring logs, and figures for these borings are included in Appendix D. The analytical results indicate that elevated lead concentrations were present in some of the soil samples collected from 0.3 meters (1 foot). Some of the soil samples collected from this depth had concentrations that would deem them as hazardous by the State of California upon excavation and classification as a waste. Additionally elevated levels of TPH-MO were detected in some of the 0.3 meters (1 foot) soil samples. None of the soil samples had detectable concentrations of TPH-G, TPH-D, VOC, or SVOC. None of the groundwater samples had concentrations greater than their PDWS or SDWS.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information presented in this report, the following conclusions have been reached:

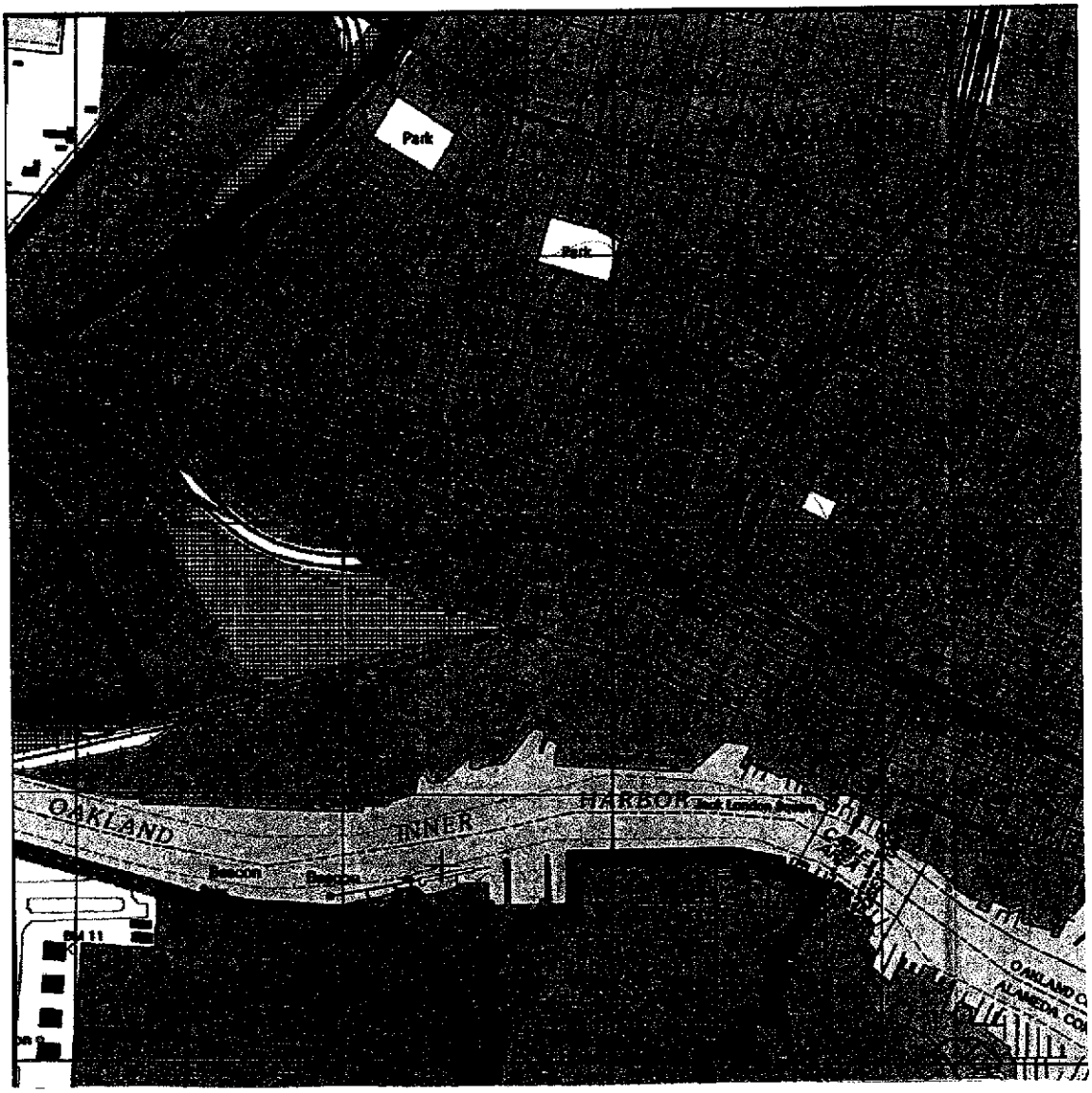
- The subsurface materials observed during drilling activities consisted primarily of silty sand to approximately 1.5 meters (5 feet) underlain by clayey sand to the depth explored. Groundwater was detected at approximately 3.6 meters (12 feet) below ground surface (bgs) in boring B-1.

- One soil sample had a lead concentration greater than the TTLC, and 1 soil sample had soluble lead concentrations greater than the STLC. The soil that these samples represent could be classified as hazardous by the State of California for off-site disposal. None of the soil samples had a TCLP soluble lead concentration greater than the RCRA criteria. The results indicate that elevated lead concentrations are confined to the upper 0.6 meters (2-feet) of soil.

- None of the soil samples had TPH-G, TPH-D, TPH-MO, PCB, Organo-pesticides, VOC, or SVOC concentrations above regulatory concern.

- None of the groundwater samples had concentrations greater than their PDWS or SDWS.

Based on the results of the analysis of soil and groundwater samples collected, PSI does not recommend any further action associated with the areas investigated at the site.



NORTH

0 1/2 1 MILE

SCALE

REFERENCE:

U.S.G.S. OAKLAND WEST, CA
7.5 MINUTE SERIES TOPOGRAPHIC
MAP, DATED 1993

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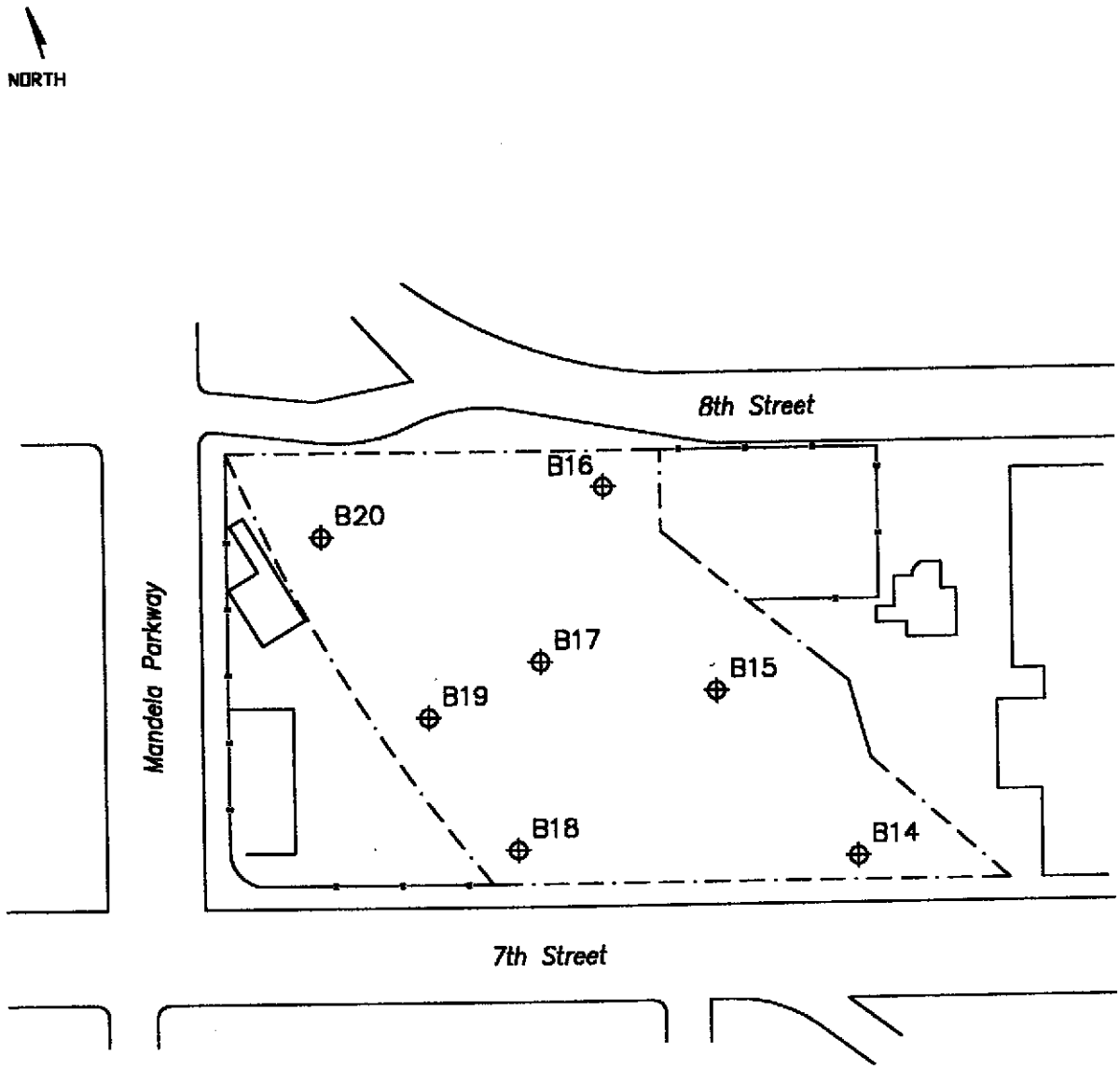
Project Name	Drawn By	Date	File No.	Figure No.
CALTRANS--OAKLAND 7th & MANDALA PARK & RIDE LOT, OAKLAND, CA	M.C.	01/02	1C055-01	1
Title: SITE LOCATION MAP	Approved By: P.P.	Project No.: 575--1C055		



LEGEND:

⊕ B18 – PROPOSED BORING LOCATION

Not To Scale

PSI Information To Build On Engineering • Consulting • Testing	4703 Tidewater Avenue, Suite B Oakland, California 94601 (510) 434-9200			
Project Name: CALTRANS – OAKLAND 7th & MANDALA PARK & RIDE LOT, OAKLAND, CA	Drawn By: M.C.	Scale: 1/02	File No.: 1G055-02	Figure No.: 2
Title: BORING LOCATION MAP	Approved By: F.P.	Project No.: 575-1G055		

TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS: METALS
7TH & MANDALA PARK & RIDE LOT, OAKLAND, CALIFORNIA

BORING	DEPTH	SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	MO	NI	SE	AG	TL	V	ZN
B14	2	n	n	n	n	n	38.3	n	50.7	98 (1.42) <n>	n	n	33.5	n	n	n	n	179
	5	n	n	n	n	n	27.4	n	4.9	2	n	n	18.8	n	n	n	22	14
	8	n	n	n	n	n	44.4	n	6.0	7	n	n	29.4	n	n	n	27	24
B15	5	n	n	n	n	n	22.0	n	4.8	n	n	n	11.9	n	n	n	n	11
	8	n	n	n	n	n	26.6 {n}	n	5.6	2	n	n	27.0	n	n	n	22	18
B16	3	n	n	n	n	n	24.0 {n}	n	5.6	6	n	n	14.3	n	n	n	n	16
	10	n	n	n	n	n	54.2	n	7.3	3	n	n	32.5	n	n	n	28	20
B17	2	n	4.5	210	n	n	21.7	n	50.2	**485 (38.7) [<0.1] <0.098>**	0.4	n	14.7	n	n	n	n	314
	5	n	n	n	n	n	22.9 {n}	n	5.0	2	n	n	13.6	n	n	n	n	11
	8	4	4.0	80	2.0	2.0	2.0	10.0	1.0	2	0.3	5	2.0	2.0	4.0	4	20	10
B18	5	n	n	n	n	n	20.5	n	4.7	n	n	n	13.2	n	n	n	n	11
	8	n	4.7	124	n	n	32.1 {n}	n	46.8	172 (1.48) <n>	0.9	n	20.4	n	n	n	20	237
B19	2	n	4.6	744	n	2.5	27.6	n	76.3	**2,280 [0.21] <0.044>**	n	n	22.1	n	n	n	32	995
	5	n	n	n	n	n	20.3	n	5.1	3	n	n	12.0	n	n	n	n	15
	8	n	n	n	n	n	25.7	n	5.3	2	n	n	25.4	n	n	n	20	17
B20	5	n	n	n	n	n	22.8	n	8.3	3	n	n	12.8	n	n	n	n	14
	12	n	n	n	n	n	31.6 {n}	n	6.2	2	n	n	27.7	n	n	n	25	20
TTLC		500	500.0	10,000	75	100	500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC		15	5.0	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250

Notes:
B1 = Boring Number
Depth is presented in meters below ground surface
ND = not detected at or above the laboratory detection limits, as presented in Appendix C. Detection limits may vary by batch.
Metals are designated by their symbol on the periodic table of elements.
All samples are reported as total concentration in milligrams per kilogram (mg/kg), unless indicated.
[ND] = Hexavalent Chrome Concentration
(3.3) = Soluble concentration after a WET, presented in milligrams per liter (mg/l)
{3.3} = Soluble concentration after a TCLP, presented in milligrams per liter (mg/l)

TABLE 2

SUMMARY OF SOIL ANALYTICAL RESULTS: ORGANICS
7TH & MANDALA PARK & RIDE LOT, OAKLAND, CALIFORNIA

BORING	DEPTH	pH	TPH-Gasoline	TPH-Diesel	TPH-Motor Oil	PCBs	Organo-Pesticides	VOCs	SVOCs
B14	2	---	0.125*	23	19	ND	---	---	---
	5	---	<0.06	11	<10	---	---	ND	ND
	8	---	0.276*	11	<10	---	---	ND	ND
B15	5	---	0.479*	15	<10	---	---	---	---
	8	7.08	<0.06	<10	<10	---	---	ND	ND
B16	2	---	<0.06	---	---	---	ND	ND	ND
	3	7.52	<0.06	<10	<10	---	---	ND	ND
	10	---	<0.06	27	<10	---	---	---	---
B17	2	---	<0.06	19	62.9	ND	ND	---	---
	5	6.98	<0.06	15	<10	---	---	ND	ND
	8	---	<0.06	23	44	---	---	ND	ND
B18	5	---	<0.06	<10	<10	---	---	---	---
	8	7.72	0.243*	51	66	---	---	0.062 p-Isopropyltoluene	ND
B19	2	---	<0.06	16	19	ND	ND	ND	---
	5	7.39	<0.06	<10	<10	---	---	ND	ND
	8	---	<0.06	<10	<10	---	---	ND	ND
B20	5	---	<0.06	29	<10	---	---	---	---
	12	6.87	<0.06	<10	<10	---	---	ND	ND

Notes:

B1 = =Boring Number

Depth is presented in meters below ground surface

ND = Not Detected at laboratory detection limit presented in Appendix C, detection limits may vary from sample to sample

All samples are reported as total concentration in milligrams per kilogram (mg/kg), unless indicated.

Soil resullts do not include acetone or phenol, as they are common laboratory contaminants or naturally occuring

*530 = TPH-G concentrations did not match the typical TPH-G profile, but were quantified using TPH-G as a standard.

PCB = Polychlorinated Bipheyls

VOC = Volatile Organic Compounds

SVOC = Semi-Volatile Organic Compounds

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS: METALS
7TH & MANDALA PARK & RIDE LOT, OAKLAND, CALIFORNIA

SAMPLE	SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	MO	NI	SE	AG	TL	V	ZN
B-14-W	n	n	42	n	n	n	19	n	n	n	16	17	n	n	n	n	n
B-15-W	n	n	105	n	n	n	9	n	n	n	3	42	n	n	n	n	n
B-16-W	n	n	52	n	n	n	31	n	n	n	43	37	n	n	n	n	n
B-17-W	n	n	89	n	n	n	57	n	n	n	50	58	n	n	n	n	n
B-18-W	n	n	46	n	n	n	17	n	n	n	59	21	n	n	n	n	n
B-19-W	n	n	102	n	n	n	76	n	n	n	54	66	n	n	n	n	n
B-20-W	n	n	112	n	n	n	44	n	n	n	15	35	n	n	n	n	n

Notes:
ND = not detected at or above the laboratory detection limits, as presented in Appendix C. Detection limits may vary by batch.
Metals are designated by their symbol on the periodic table of elements.
All samples are reported as total concentration in micrograms per liter (ug/l), unless indicated.

TABLE 4

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS: ORGANICS
7TH & MANDALA PARK & RIDE LOT, OAKLAND, CALIFORNIA

SAMPLE	TPH-Gasoline	TPH-Diesel	TPH-Motor Oil	VOCs
B-14-W	<0.05	<0.05	<0.05	ND
B-15-W	<0.05	<0.05	<0.05	ND
B-16-W	<0.05	<0.05	<0.05	ND
B-17-W	<0.05	<0.05	<0.05	**Ethylbenzene 0.001 mg/l, Toluene 0.001 mg/l**
B-18-W	<0.05	<0.05	<0.05	ND
B-19-W	<0.05	<0.05	<0.05	ND
B-20-W	<0.05	<0.05	<0.05	ND

Notes:

ND = Not Detected at laboratory detection limit reported in Appendix C. Detection limits may vary from sample to sample

All samples are reported as total concentration in milligrams per liter (mg/l), unless indicated.

VOC = Volatile Organic Compounds

SVOC = Semi-Volatile Organic Compounds

APPENDIX A

FIELD METHODS

FIELD PROCEDURES

I. ADVANCING OF SOIL BORINGS AND COLLECTION OF SOIL SAMPLES

The following procedures were used for advancing soil borings and collecting soil samples at the site:

1. Prior to the commencement of soil boring activities at the site, boring locations were marked with white paint. Underground Service Alert (USA) was contacted to identify underground utilities in the vicinity of the soil borings.

2. A licensed State of California drilling company conducted soil boring and sampling activities. The soil borings were advanced using the Geoprobe direct push method. Flush-threaded rods with a stainless steel sampler were advanced into the ground using a hydraulic press and percussion hammer. The opening of the sampler was sealed with a drive tip held in place by a threaded pin.

3. Soil samples were collected using a 1.2 meter (4-foot) long, 0.05 meter (2-inch) inside diameter macro-core stainless steel sampler. Soil samplers were washed between borings with Alconox soap followed by two deionized water rinses. The sampler was lined with clean brass, stainless steel, or acetate sleeves.

4. After the sampler was retrieved, the sleeves were extracted from the sampler without disturbing the sample. The sample for analyses was collected from the lowest tube in the sampler. The ends of the sample were covered with Teflon™ sheets and capped with polyethylene end caps. The sample was labeled and placed in a zip-lock bag in a chilled cooler prior to delivery to the laboratory.

5. Soil samples were assigned identification numbers such as B1-5, where B1 indicates the boring designation and -5 indicates that the sample was collected from 5 meters bgs. The samples were labeled with the project number, date and time of sample collection, sampling depth, and client name.

6. Chain-of-custody procedures using chain-of-custody records were implemented during handling and transportation of the samples to the laboratory for analyses.

7. Boring logs were prepared for the soil borings under the supervision of a California-Registered Geologist. Soil from each sample was described in accordance with Unified Soil Classification System by a PSI geologist and recorded on a field-boring log. The data recorded on the logs were based on examination of soil samples retrieved in the tubes, and drilling conditions observed in the field. Boring logs include information regarding the location of each boring, geologic descriptions of

materials encountered, occurrence of groundwater (if applicable) and organic vapor analyzer (OVA) measurements of the soil samples collected.

II. BACKFILL OF SOIL BORINGS

The following procedures were used to backfill the soil borings at the site:

1. Soil borings were backfilled to grade with Portland grout slurry. The slurry consisted of neat cement and 5% bentonite powder.

III. FIELD DOCUMENTATION OF SAMPLING PROCEDURES

The following outline describes the procedures followed by PSI for proper sampling documentation.

1. Sampling procedures were documented in field notes that contain:

    1. Sample collection procedures
    2. Date and time of collection
    3. Date of shipping
    4. Sample collection location
    5. Sample identification number(s)
    6. Intended analysis
    7. Quality control samples
    8. Sample preservation
    9. Name of sampler
    10. Any pertinent observations

2. Samples were labeled with the following information:

    1. Sample designation number
    2. Date and time sample was collected
    3. Sampler's name
    4. Sample preservatives (if required)
    5. Project Name

3. The following was the sample designation system for the site:

   For Borings, the samples were labeled B-(Boring Number)-(Depth) (i.e. sample collected from boring 4 at 5 meters would be B4-5).

   For Groundwater Samples, the samples were labeled WB-(Boring Number (i.e. sample collected from boring 7 would be WB-7).

4. Handling of the samples were recorded on a chain of custody form, which shall include:

   1. Project name
   2. Site location
   3. Signature of collector
   4. Date and time of collection
   5. Sample identification number
   6. Number of containers in sample set
   7. Description of sample and container
   8. Name and signature of persons, and the companies or agencies they represent, who are involved in the chain of possession
   9. Inclusive dates and times of possession
   10. Analyses to be completed

APPENDIX B

BORING LOGS

SOIL BORING LOG

BORING NO:	B-14
SHEET	1 OF 1

PROJECT NAME: CalTrans - Oakland (7th and Mandela)
PROJECT NUMBER: 575-1G055 DATE: 1/8/2002

DRILLING COMPANY: V & W DRILLING
DRILLING METHOD: GEOPROBE PUSH DRILLING
BORING DIAMETER: 2 INCHES DEPTH: 15.0 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
1/8/02	INITIALLY ENCOUNTERED	12.0 feet

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					3" Asphalt Concrete over 8" Aggregate Base			
1								
					SILTY SAND (SM), DARK BROWN, DAMP TO MOIST,		SM	
2			■		MEDIUM DENSE, FINE TO MEDIUM SAND, FEW FINE			
					GRAVEL.			
3			■					
						0.0		NO ODOR
4								
					AS ABOVE; MEDIUM BROWN, MOIST.			
5			■			0.0		NO ODOR
6								
					CLAYEY SAND (SC), MEDIUM ORANGE-BROWN, MOIST,		SC	
7					FINE TO MEDIUM SAND.			
						0.0		NO ODOR
8								
9								
10								
					AS ABOVE; MEDIUM BROWN, VERY MOIST TO WET.			
11						0.0		NO ODOR
12			■					
13								
					AS ABOVE; WET TO SATURATED.			
14								
15								Total Depth 15 feet.
								Groundwater encountered at approximately 12
16								feet.
								Boring backfilled with neat cement.
17								
18								
19								
20								

Reviewed By:

LOGGED BY: BRAND BURFIELD

SOIL BORING LOG

BORING NO:	B-15
SHEE 1 OF 1	

PROJECT NAME: CalTrans - Oakland (7th and Mandela)

PROJECT NUMBER: 575-1G055 DATE: 1/8/2002

DRILLING COMPANY: V & W DRILLING

DRILLING METHOD: GEOPROBE PUSH DRILLING

BORING DIAMETER: 2 INCHES DEPTH: 12.0 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
	GROUNDWATER NOT ENCOUNTERED	

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					3" Asphalt Concrete over 8" Aggregate Base			
1								
					SILTY SAND (SM), DARK BROWN, DAMP TO MOIST,		SM	
2					MEDIUM DENSE, FINE TO MEDIUM SAND, FEW FINE			
					GRAVEL.			
3								
						0.0		NO ODOR
4								
					AS ABOVE; MEDIUM BROWN, MOIST.			
5								
6								
7								
8								
					CLAYEY SAND (SC), MEDIUM ORANGE-BROWN, MOIST,	0.0	SC	NO ODOR
9					FINE TO MEDIUM SAND.			
						0.0		NO ODOR
10								
11								
12								
13								Total depth 12 feet. Boring met with refusal.
								Boring backfilled with neat cement.
14								
15								
16								
17								
18								
19								
20								

Reviewed By:

LOGGED BY: BRAND BURFIELD

SOIL BORING LOG

BORING NO:	B-16
SHEE 1 OF 1	

PROJECT NAME:	CalTrans - Oakland (7th and Mandela)
PROJECT NUMBER:	575-1G055 DATE: 1/8/02
DRILLING COMPANY:	V & W DRILLING
DRILLING METHOD:	GEOPROBE PUSH DRILLING
BORING DIAMETER:	2 INCHES DEPTH: 14.0 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
1/8/02	INITIALLY ENCOUNTERED	12.0 feet

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					3" Asphalt Concrete over 8" Aggregate Base			
1								
					SILTY SAND (SM), DARK BROWN, DAMP TO MOIST,		SM	
2			■		MEDIUM DENSE, FINE TO MEDIUM SAND, FEW FINE			
					GRAVEL.			
3			■					
					SAND: POORLY GRADED FINE TO MEDIUM SAND,	0.0	SP	NO ODOR
4					RED-BROWN, MOIST.			
5			■			0.0		NO ODOR
6								
					CLAYEY SAND (SC), MEDIUM ORANGE-BROWN, MOIST,		SC	
7					FINE TO MEDIUM SAND.			
						0.0		NO ODOR
8								
9								
10								
					AS ABOVE; MEDIUM BROWN, VERY MOIST TO WET.			
11								
			■			0.0		NO ODOR
12								
13								
14								
								Total Depth 14 feet.
15								Groundwater encountered at approximately 12
								feet.
16								Boring backfilled with neat cement.
17								
18								
19								
20								

Reviewed By:

LOGGED BY: BRAND BURFIELD

SOIL BORING LOG

BORING NO:	B-17
SHEE 1 OF 1	

PROJECT NAME:	CalTrans - Oakland (7th and Mandela)
PROJECT NUMBER:	575-1G055 DATE: 1/8/02
DRILLING COMPANY:	V & W DRILLING
DRILLING METHOD:	GEOPROBE PUSH DRILLING
BORING DIAMETER:	2 INCHES DEPTH: 12.0 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
1/8/02	INITIALLY ENCOUNTERED	9.0 feet

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					3" Asphalt Concrete over 8" Aggregate Base			
1								
					SILTY SAND (SM), DARK BROWN, DAMP TO MOIST,		SM	
2					MEDIUM DENSE, FINE TO MEDIUM SAND, FEW FINE			
					GRAVEL.			COLOR CHANGE TO MED BROWN.
3								
						0.0		NO ODOR
4								
					AS ABOVE; MEDIUM BROWN, MOIST.			
5						0.0		NO ODOR
6					CLAYEY SAND (SC), MEDIUM ORANGE-BROWN, MOIST,		SC	
					FINE TO MEDIUM SAND.			
7								
						0.0		NO ODOR
8								
9								APPROXIMATE FIRST WATER.
10								
11					AS ABOVE; MEDIUM BROWN, VERY MOIST TO WET.			
12						0.0		NO ODOR
								Total Depth 12 feet.
13								Groundwater encountered at approximately 12 feet.
								Boring backfilled with neat cement.
14								
15								
16								
17								
18								
19								
20								

Reviewed By:

LOGGED BY: BRAND BURFIELD

SOIL BORING LOG

BORING NO:	B-18
SHEE 1 OF 1	

PROJECT NAME:	CalTrans - Oakland (7th and Mandela)		
PROJECT NUMBER:	575-1G055	DATE:	1/8/02
DRILLING COMPANY:	V & W DRILLING		
DRILLING METHOD:	GEOPROBE PUSH DRILLING		
BORING DIAMETER:	2 INCHES	DEPTH:	12.0 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
1/8/02	INITIALLY ENCOUNTERED	9.0 feet

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					3" Asphalt Concrete over 8" Aggregate Base			
1								
2					SILTY SAND (SM), DARK BROWN, DAMP TO MOIST,		SM	
					MEDIUM DENSE, FINE TO MEDIUM SAND, FEW FINE			
3					GRAVEL.			COLOR CHANGE TO MED BROWN.
4						0.0		NO ODOR
5					AS ABOVE; MEDIUM BROWN, MOIST.			
								NO ODOR
6								
					CLAYEY SAND (SC), MEDIUM ORANGE-BROWN, MOIST,		SC	
7					FINE TO MEDIUM SAND.			
8						0.0		NO ODOR
9								
								APPROXIMATE FIRST WATER.
10								
11								
					AS ABOVE; MEDIUM BROWN, VERY MOIST TO WET.			
12						0.0		NO ODOR
								Total Depth 12 feet.
13								Groundwater encountered at approximately
								12 feet.
14								Boring backfilled with neat cement.
15								
16								
17								
18								
19								
20								

Reviewed By:

LOGGED BY: BRAND BURFIELD

SOIL BORING LOG

BORING NO:	B-19
SHEE 1 OF 1	

PROJECT NAME:	CalTrans - Oakland (7th and Mandela)
PROJECT NUMBER:	575-1G055 DATE: 1/8/02
DRILLING COMPANY:	V & W DRILLING
DRILLING METHOD:	GEOPROBE PUSH DRILLING
BORING DIAMETER:	2 INCHES DEPTH: 14.0 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
1/8/02	INITIALLY ENCOUNTERED	10.0 feet

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					3" Asphalt Concrete over 8" Aggregate Base			
1								
					SILTY SAND (SM), DARK BROWN, DAMP TO MOIST,		SM	
2			■		MEDIUM DENSE, FINE TO MEDIUM SAND, FEW FINE			
					GRAVEL.			COLOR CHANGE TO MED BROWN.
3			■					
						9.0		NO ODOR
4								
					AS ABOVE; MEDIUM BROWN, MOIST.			
5			■			0.0		NO ODOR
6					CLAYEY SAND (SC), MEDIUM ORANGE-BROWN, MOIST,		SC	
7					FINE TO MEDIUM SAND.			
								NO ODOR
8								
9								
								APPROXIMATE FIRST WATER.
10								
					AS ABOVE; MEDIUM BROWN, VERY MOIST TO WET.	14		
11			■					NO ODOR
12								
13								
14								
								Total Depth 14 feet.
15								Groundwater encountered at approximately 12 feet.
16								Boring backfilled with neat cement.
17								
18								
19								
20								

Reviewed By:

LOGGED BY: BRAND BURFIELD

SOIL BORING LOG

BORING NO:	B-20
SHEE 1 OF 1	

PROJECT NAME:	CalTrans - Oakland (7th and Mandela)
PROJECT NUMBER:	575-1G055 DATE: 1/8/02
DRILLING COMPANY:	V & W DRILLING
DRILLING METHOD:	GEOPROBE PUSH DRILLING
BORING DIAMETER:	2 INCHES DEPTH: 15.0 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
1/8/02	INITIALLY ENCOUNTERED	13.0 feet

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					3" Asphalt Concrete over 8" Aggregate Base			
1								
					SILTY SAND (SM), DARK BROWN, DAMP TO MOIST,		SM	
2					MEDIUM DENSE, FINE TO MEDIUM SAND, FEW FINE			
					GRAVEL.			
3								GRAVEL DROPS OUT.
						0.0		NO ODOR
4								
					AS ABOVE; MEDIUM BROWN, MOIST.			
5								NO ODOR
6								
7								
					CLAYEY SAND (SC), MEDIUM ORANGE-BROWN, MOIST,		SC	
8					FINE TO MEDIUM SAND.			
9								
10								
11								
								NO ODOR
12					AS ABOVE; MEDIUM BROWN, WET.	0.0		
13								
14					AS ABOVE; WET TO SATURATED.			
						0.0		
15								Total Depth 15 feet.
								Groundwater encountered at approximately
16								13 feet.
								Boring backfilled with neat cement.
17								
18								
19								
20								

Reviewed By:

LOGGED BY: BRAND BURFIELD

GPS DATA
7TH AND MANDALA PARK AND RIDE LOT
OAKLAND, CALIFORNIA

ID	Easting	Northing	Elevation	Comment	Horz_Prec	Vert_Prec
1	562339.247	4184399.770	-27.112	B14	0.524	0.957
2	562324.954	4184431.280	-25.984	B15	0.442	0.624
3	562306.292	4184486.824	-26.555	B16	0.435	0.611
4	562284.556	4184444.083	-27.549	B17	0.428	0.598
5	562270.329	4184422.165	-28.384	B18	0.417	0.576
6	562255.090	4184457.033	-27.387	B19	0.411	0.562
7	562246.564	4184501.103	-27.048	B20	0.407	0.555

APPENDIX D

LABORATORY RESULTS AND CHAIN-OF-CUSTODY RECORDS

BASIC LABORATORY, INC.

Report To:	P.S.I.	***Lab No:***	0201289
	4703 TIDEWATER AVE., STE.B	***Date:***	01/31/02
	OAKLAND, CA 94601	***Phone:***	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/08/02

Project Name: CAL TRANS - OAKLAND

Sample Description: SOIL TESTING

TEST:	***pH***	***Hexavalent Chromium***
METHOD:	9045	3500 Cr
UNITS:	units	ug/l
REPORTING LIMIT:	0.01	10
DATE ANALYZED:	01/14/02	01/16/02
Sample ID		
B-17-5'	6.98	n
B-20-12	6.87	n
B-19-5	7.39	
B-18-8	7.72	n
B-16-3	7.52	n
B-15-8	7.08	n

Comments: California D.O.H.S. Cert. #1677.
n - Not detected at the reporting limit.

Reported by:

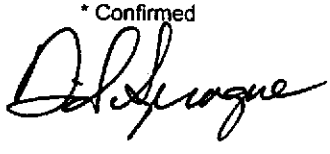
BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE. B OAKLAND, CA 94601	***Lab No:***	0201289-1
		Date:	01/31/02
		Phone:	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/09/02
		Project No:	575-1G055
Project Name:	CAL TRANS - OAKLAND		
Sample Description:	B-17-2'		
Sample Matrix:	SOIL	***Page 2 of 119***	

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	4.5	500	4.0
6010A	Barium	210	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	21.7	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	50.2	2500	1.0
6010A	Lead	485	1000	2
7471	Mercury	0.4*	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	14.7	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	n	2400	20
6010A	Zinc	314	5000	10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.
* Confirmed

Reported By:



BASIC LABORATORY, INC.

Report To: P.S.I.
4703 TIDEWATER AVE., STE. B
OAKLAND, CA 94601

Attention: FRANK POSS

Project Name: CAL TRANS - OAKLAND

Sample Description: B-17-5'

Sample Matrix: SOIL

Lab No: 0201289-3
Date: 01/31/02
Phone: (510) 434-9200
Date Sampled: 01/08/02
Date Received: 01/09/02
Project No: 575-1G055

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	n	500	4.0
6010A	Barium	n	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	22.9	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	5.0	2500	1.0
6010A	Lead	2	1000	2
7471	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	13.6	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	n	2400	20
6010A	Zinc	11	5000	10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By:

BASIC LABORATORY, INC.

Report To: P.S.I.
4703 TIDEWATER AVE., STE. B
OAKLAND, CA 94601

Attention: FRANK POSS

Project Name: CAL TRANS - OAKLAND

Sample Description: B-17-8'

Sample Matrix: SOIL

Lab No: 0201289-4
Date: 01/31/02
Phone: (510) 434-9200
Date Sampled: 01/08/02
Date Received: 01/09/02
Project No: 575-1G055

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	n	500	4.0
6010A	Barium	n	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	24.8	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	9.6	2500	1.0
6010A	Lead	21	1000	2
7471	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	15.7	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	n	2400	20.
6010A	Zinc	35	5000	10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By: Dick Sprague

BASIC LABORATORY, INC.

Report To: P.S.I.
4703 TIDEWATER AVE., STE. B
OAKLAND, CA 94601

Attention: FRANK POSS

Project Name: CAL TRANS - OAKLAND

Sample Description: B-20-5

Sample Matrix: SOIL

Lab No: 0201289-8
Date: 01/31/02
Phone: (510) 434-9200
Date Sampled: 01/08/02
Date Received: 01/09/02
Project No: 575-1G055

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	n	500	4.0
6010A	Barium	n	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	22.8	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	8.3	2500	1.0
6010A	Lead	3	1000	2
7471	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	12.8	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	n	2400	20
6010A	Zinc	14	5000	10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By: Ed Sprague

BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE. B OAKLAND, CA 94601	***Lab No:***	0201289-10
		Date:	01/31/02
		Phone:	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/09/02
		Project No:	575-1G055
Project Name:	CAL TRANS - OAKLAND		
Sample Description:	B-20-12		
Sample Matrix:	SOIL	***Page 6 of 119***	

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	n	500	4.0
6010A	Barium	n	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	31.6	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	6.2	2500	1.0
6010A	Lead	2	1000	2
7471	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	27.7	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	25	2400	20
6010A	Zinc	20	5000	10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By:

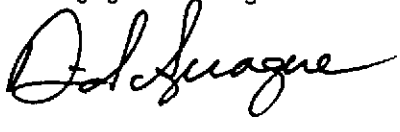
BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE. B OAKLAND, CA 94601	***Lab No:***	0201289-12
		Date:	01/31/02
		Phone:	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
		Project No:	575-1G055
Project Name:	CAL TRANS - OAKLAND		
Sample Description:	B-19-2		
Sample Matrix:	SOIL	***Page 7 of 119***	

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	4.6	500	4.0
6010A	Barium	744	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	2.5	100	2.0
6010A	Chromium	27.6	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	76.3	2500	1.0
6010A	Lead	2280	1000	2
7471	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	22.1	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	32	2400	20
6010A	Zinc	995	5000	10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By:



BASIC LABORATORY, INC.

Report To: P.S.I.
4703 TIDEWATER AVE., STE. B
OAKLAND, CA 94601

Attention: FRANK POSS

Project Name: CAL TRANS - OAKLAND

Sample Description: B-19-5

Sample Matrix: SOIL

Lab No: 0201289-14
Date: 01/31/02
Phone: (510) 434-9200
Date Sampled: 01/08/02
Date Received: 01/09/02
Project No: 575-1G055

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	n	500	4.0
6010A	Barium	n	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	20.3	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	5.1	2500	1.0
7471	Lead	3	1000	2
6010A	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	12.0	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	n	2400	20
6010A	Zinc	15	5000	10

Comments:
California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By:

BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE. B OAKLAND, CA 94601	***Lab No:***	0201289-15
		Date:	01/31/02
		Phone:	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/09/02
		Project No:	575-1G055
Project Name:	CAL TRANS - OAKLAND		
Sample Description:	B-19-8		
Sample Matrix:	SOIL	***Page 9 of 119***	

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	n	500	4.0
6010A	Barium	n	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	25.7	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	5.3	2500	1.0
6010A	Lead	2	1000	2
7471	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	25.4	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	20	2400	20
6010A	Zinc	17	5000	10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By:

BASIC LABORATORY, INC.

Report To: P.S.I.
4703 TIDEWATER AVE., STE. B
OAKLAND, CA 94601

Attention: FRANK POSS

Project Name: CAL TRANS - OAKLAND

Sample Description: B-18-5

Sample Matrix: SOIL

Lab No: 0201289-19
Date: 01/31/02
Phone: (510) 434-9200
Date Sampled: 01/08/02
Date Received: 01/09/02
Project No: 575-1G055

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	n	500	4.0
6010A	Barium	n	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	20.5	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	4.7	2500	1.0
6010A	Lead	n	1000	2
7471	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	13.2	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	n	2400	20
6010A	Zinc	11	5000	10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By:

BASIC LABORATORY, INC.

Report To: P.S.I.
4703 TIDEWATER AVE., STE. B
OAKLAND, CA 94601

Attention: FRANK POSS

Project Name: CAL TRANS - OAKLAND

Sample Description: B-18-8

Sample Matrix: SOIL

Lab No: 0201289-20
Date: 01/31/02
Phone: (510) 434-9200
Date Sampled: 01/08/02
Date Received: 01/10/02
Project No: 575-1G055

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	4.7	500	4.0
6010A	Barium	124	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	32.1	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	46.8	2500	1.0
6010A	Lead	172	1000	2
7471	Mercury	0.9*	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	20.4	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	20	2400	20
6010A	Zinc	237	5000	10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.
* Confirmed

Reported By:

BASIC LABORATORY, INC.

Report To: P.S.I.
4703 TIDEWATER AVE., STE. B
OAKLAND, CA 94601

Attention: FRANK POSS

Project Name: CAL TRANS - OAKLAND

Sample Description: B-14-2

Sample Matrix: SOIL

Lab No: 0201289-22
Date: 01/31/02
Phone: (510) 434-9200
Date Sampled: 01/08/02
Date Received: 01/09/02
Project No: 575-1G055

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	n	500	4.0
6010A	Barium	n	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	38.3	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	50.7	2500	1.0
6010A	Lead	98	1000	2
7471	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	33.5	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	n	2400	20
6010A	Zinc	179	5000	10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By:

BASIC LABORATORY, INC.

Report To:	P.S.I.	***Lab No:***	0201289-24
	4703 TIDEWATER AVE., STE. B	***Date:***	01/31/02
	OAKLAND, CA 94601	***Phone:***	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/09/02
		Project No:	575-1G055
Project Name:	CAL TRANS - OAKLAND		
Sample Description:	B-14-5		
Sample Matrix:	SOIL	***Page 13 of 119***	

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	n	500	4.0
6010A	Barium	n	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	27.4	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	4.9	2500	1.0
6010A	Lead	2	1000	2
7471	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	18.8	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	22	2400	20
6010A	Zinc	14	5000	10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By:

BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE. B OAKLAND, CA 94601	***Lab No:***	0201289-25
		Date:	01/31/02
		Phone:	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/09/02
		Project No:	575-1G055
Project Name:	CAL TRANS - OAKLAND		
Sample Description:	B-14-8		
Sample Matrix:	SOIL	***Page 14 of 119***	

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	n	500	4.0
6010A	Barium	n	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	44.4	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	6.0	2500	1.0
6010A	Lead	7	1000	2
7471	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	29.4	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	27	2400	20
6010A	Zinc	24	5000	10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By:

BASIC LABORATORY, INC.

Report To: P.S.I.
4703 TIDEWATER AVE., STE. B
OAKLAND, CA 94601

Attention: FRANK POSS

Project Name: CAL TRANS - OAKLAND

Sample Description: B-16-3

Sample Matrix: SOIL

Lab No: 0201289-29
Date: 01/31/02
Phone: (510) 434-9200
Date Sampled: 01/08/02
Date Received: 01/09/02
Project No: 575-1G055

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	n	500	4.0
6010A	Barium	n	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	24.0	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	5.6	2500	1.0
6010A	Lead	6	1000	2
7471	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	14.3	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	n	2400	20
6010A	Zinc	16	5000	10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By:

BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE. B OAKLAND, CA 94601	***Lab No:***	0201289-32
		Date:	01/31/02
		Phone:	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
		Project No:	575-1G055
Project Name:	CAL TRANS - OAKLAND		
Sample Description:	B-16-10		
Sample Matrix:	SOIL	***Page 16 of 119***	

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	n	500	4.0
6010A	Barium	n	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	54.2	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	7.3	2500	1.0
6010A	Lead	3	1000	2
7471	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	32.5	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	28	2400	20
6010A6010A	Zinc			

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By:

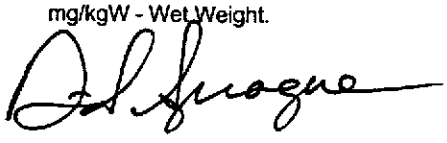
BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE. B OAKLAND, CA 94601	***Lab No:***	0201289-36
		Date:	01/31/02
		Phone:	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/09/02
		Project No:	575-1G055
Project Name:	CAL TRANS - OAKLAND		
Sample Description:	B-15-5		
Sample Matrix:	SOIL	***Page 17 of 119***	

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	n	500	4.0
6010A	Barium	n	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	22.0	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	4.8	2500	1.0
6010A	Lead	n	1000	2
7471	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	11.9	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	n	2400	20
6010A	Zinc	11	5000	10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By:



BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE. B OAKLAND, CA 94601	***Lab No:***	0201289-37
		Date:	01/31/02
		Phone:	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/09/02
		Project No:	575-1G055
Project Name:	CAL TRANS - OAKLAND		
Sample Description:	B-15-8		
Sample Matrix:	SOIL	***Page 18 of 119***	

EPA METHODS	ANALYSIS	TTLC RESULTS mg/kgW	TTLC CRITERIA mg/kgW	TTLC RL mg/kgW
6010A	Antimony	n	500	4
6010A	Arsenic	n	500	4.0
6010A	Barium	n	10000	80
6010A	Beryllium	n	75	2.0
6010A	Cadmium	n	100	2.0
6010A	Chromium	26.6	2500	2.0
6010A	Cobalt	n	8000	10.0
6010A	Copper	5.6	2500	1.0
6010A	Lead	2	1000	2
7471	Mercury	n	20	0.3
6010A	Molybdenum	n	3500	5
6010A	Nickel	27.0	2000	2.0
6010A	Selenium	n	100	2.0
6010A	Silver	n	500	4.0
6010A	Thallium	n	700	4
6010A	Vanadium	22	2400	20
6010A	Zinc	18	5000	10

Comments: California D.O.H12XCalifornia D.O.H.S. Lab Cert.409YRL - Reporting Limit.

n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.
mg/kgW - Wet Weight.

Reported By:

BASIC LABORATORY, INC.

Report To: P.S.I.
4703 TIDEWATER AVE., STE. B
OAKLAND, CA 94601

Attention: FRANK POSS

Project Name: CAL TRANS - OAKLAND

Sample Description: B-17-W

Sample Matrix: WATER - DISSOLVED METAL ANALYSIS

Lab No: 0201289-5
Date: 01/31/02
Phone: (510) 434-9200
Date Sampled: 01/08/02
Date Received: 01/09/02
Project No: 575-1GO55

EPA METHODS	ANALYSIS	RESULTS ug/l	RL ug/l
6010A	Antimony	n	5
6010A	Arsenic	n	5
6010A	Barium	89	20
6010A	Beryllium	n	1
6010A	Cadmium	n	1.0
6010A	Chromium	n	1
6010A	Cobalt	57	1
6010A	Copper	n	2
6010A	Lead	n	5
7470	Mercury	n	0.2
6010A	Molybdenum	50	1
6010A	Nickel	58	1
6010A	Selenium	n	5
6010A	Silver	n	1
6010A	Thallium	n	5
6010A	Vanadium	n	1
6010A	Zinc	n	20

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.

Reported By:

BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE. B OAKLAND, CA 94601	***Lab No:***	0201289-11
		Date:	01/31/02
		Phone:	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/09/02
		Project No:	575-1GO55
Project Name:	CAL TRANS - OAKLAND		
Sample Description:	B-20-W		
Sample Matrix:	WATER - DISSOLVED METAL ANALYSIS	***Page 20 of 119***	

EPA METHODS	ANALYSIS	RESULTS ug/l	RL ug/l
6010A	Antimony	n	5
6010A	Arsenic	n	5
6010A	Barium	112	20
6010A	Beryllium	n	1
6010A	Cadmium	n	1.0
6010A	Chromium	n	1
6010A	Cobalt	44	1
6010A	Copper	n	2
6010A	Lead	n	5
7470	Mercury	n	0.2
6010A	Molybdenum	15	1
6010A	Nickel	35	1
6010A	Selenium	n	5
6010A	Silver	n	1
6010A	Thallium	n	5
6010A	Vanadium	n	1
6010A	Zinc	n	20

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.

Reported By:

BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE. B OAKLAND, CA 94601	***Lab No:***	0201289-16
		Date:	01/31/02
		Phone:	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/09/02
		Project No:	575-1GO55
Project Name:	CAL TRANS - OAKLAND		
Sample Description:	B-19-W		
Sample Matrix:	WATER - DISSOLVED METAL ANALYSIS	***Page 21 of 119***	

EPA METHODS	ANALYSIS	RESULTS ug/l	RL ug/l
6010A	Antimony	n	5
6010A	Arsenic	n	5
6010A	Barium	102	20
6010A	Beryllium	n	1
6010A	Cadmium	n	1.0
6010A	Chromium	n	1
6010A	Cobalt	76	1
6010A	Copper	n	2
6010A	Lead	n	5
7470	Mercury	n	0.2
6010A	Molybdenum	54	1
6010A	Nickel	66	1
6010A	Selenium	n	5
6010A	Silver	n	1
6010A	Thallium	n	5
6010A	Vanadium	n	1
6010A	Zinc	n	20

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.

Reported By:

BASIC LABORATORY, INC.

Report To: P.S.I.
4703 TIDEWATER AVE., STE. B
OAKLAND, CA 94601

Attention: FRANK POSS

Project Name: CAL TRANS - OAKLAND

Sample Description: B-18-W

Sample Matrix: WATER - DISSOLVED METAL ANALYSIS

Lab No: 0201289-21
Date: 01/31/02
Phone: (510) 434-9200
Date Sampled: 01/08/02
Date Received: 01/09/02
Project No: 575-1GO55

EPA METHODS	ANALYSIS	RESULTS ug/l	RL ug/l
6010A	Antimony	n	5
6010A	Arsenic	n	5
6010A	Barium	46	20
6010A	Beryllium	n	1
6010A	Cadmium	n	1.0
6010A	Chromium	n	1
6010A	Cobalt	17	1
6010A	Copper	n	2
6010A	Lead	n	5
7470	Mercury	n	0.2
6010A	Molybdenum	59	1
6010A	Nickel	21	1
6010A	Selenium	n	5
6010A	Silver	n	1
6010A	Thallium	n	5
6010A	Vanadium	n	1
6010A	Zinc	n	20

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.

Reported By:

BASIC LABORATORY, INC.

Report To: P.S.I.
4703 TIDEWATER AVE., STE. B
OAKLAND, CA 94601

Attention: FRANK POSS

Project Name: CAL TRANS - OAKLAND

Sample Description: B-14-W

Sample Matrix: WATER - DISSOLVED METAL ANALYSIS

Lab No: 0201289-27
Date: 01/31/02
Phone: (510) 434-9200
Date Sampled: 01/08/02
Date Received: 01/09/02
Project No: 575-1GO55

EPA METHODS	ANALYSIS	RESULTS ug/l	RL ug/l
6010A	Antimony	n	5
6010A	Arsenic	n	5
6010A	Barium	42	20
6010A	Beryllium	n	1
6010A	Cadmium	n	1.0
6010A	Chromium	n	1
6010A	Cobalt	19	1
6010A	Copper	n	2
6010A	Lead	n	5
7470	Mercury	n	0.2
6010A	Molybdenum	16	1
6010A	Nickel	17	1
6010A	Selenium	n	5
6010A	Silver	n	1
6010A	Thallium	n	5
6010A	Vanadium	n	1
6010A	Zinc	n	20

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.

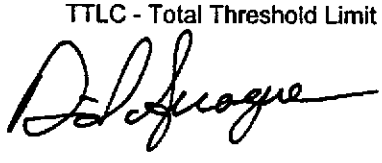
Reported By:

BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE. B OAKLAND, CA 94601	***Lab No:***	0201289-33
		Date:	01/31/02
		Phone:	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/09/02
		Project No:	575-1GO55
Project Name:	CAL TRANS - OAKLAND		
Sample Description:	B-16-W		
Sample Matrix:	WATER - DISSOLVED METAL ANALYSIS	***Page 24 of 119***	

EPA METHODS	ANALYSIS	RESULTS ug/l	RL ug/l
6010A	Antimony	n	5
6010A	Arsenic	n	5
6010A	Barium	52	20
6010A	Beryllium	n	1
6010A	Cadmium	n	1.0
6010A	Chromium	n	1
6010A	Cobalt	31	1
6010A	Copper	n	2
6010A	Lead	n	5
7470	Mercury	n	0.2
6010A	Molybdenum	43	1
6010A	Nickel	37	1
6010A	Selenium	n	5
6010A	Silver	n	1
6010A	Thallium	n	5
6010A	Vanadium	n	1
6010A	Zinc	n	20

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.

Reported By: 

BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE. B OAKLAND, CA 94601	***Lab No:***	0201289-38
		Date:	01/31/02
		Phone:	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/09/02
		Project No:	575-1GO55
Project Name:	CAL TRANS - OAKLAND		
Sample Description:	B-15-W		
Sample Matrix:	WATER - DISSOLVED METAL ANALYSIS	***Page 25 of 119***	

EPA METHODS	ANALYSIS	RESULTS ug/l	RL ug/l
6010A	Antimony	n	5
6010A	Arsenic	n	5
6010A	Barium	105	20
6010A	Beryllium	n	1
6010A	Cadmium	n	1.0
6010A	Chromium	n	1
6010A	Cobalt	9	1
6010A	Copper	n	2
6010A	Lead	n	5
7470	Mercury	n	0.2
6010A	Molybdenum	3	1
6010A	Nickel	42	1
6010A	Selenium	n	5
6010A	Silver	n	1
6010A	Thallium	n	5
6010A	Vanadium	n	1
6010A	Zinc	n	20

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
n - Not detected at Reporting Limit.
TTLC - Total Threshold Limit Concentration.

Reported By:

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-1
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-17-2'		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	72.6	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-3
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-17-5'		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	77.5	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-4
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-17-8'		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	82.4	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-8
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-20-5		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	76.2	%	39-128

Comments:
Califomia D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-10
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/23/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-20-12		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	75.2	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-12
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-19-2		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	84.4	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-14
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-19-5		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	97.4	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-15
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-19-8		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5

SURROGATES	RECOVERY	%	CONTROL LIMITS (%)
4-Bromofluorobenzene	79.8	%	39-128

Comments:
Califomia D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-19
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-18-5		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	66.6	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-20
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-18-8		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	0.243*	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	74.2	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.
* - Nontypical gasoline pattern.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-22
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-14-2		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	0.125*	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	74.0	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.
* - Nontypical gasoline pattern.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-24
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-14-5		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	79.0	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-25
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-14-8		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	0.276*	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	75.3	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.
* - Nontypical gasoline pattern.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-28
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-16-2		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	90.1	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-29
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-16-3		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	68.1	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-32
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-16-10		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	74.8	%	39-128

Comments:
Califomia D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-36
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-15-5		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	0.479*	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	94.0	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.
* - Nontypical gasoline pattern.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-37
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-15-8		
Sample Matrix:	SOIL		

Sample Collected By:

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	mg/kg	0.060
Benzene	n	ug/kg	5
Ethylbenzene	n	ug/kg	5
Toluene	n	ug/kg	5
Total Xylenes	n	ug/kg	15
MTBE	n	ug/kg	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	71.4	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-5
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/19/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-17-W		
Sample Matrix:	WATER		

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	ug/l	50
Benzene	n	ug/l	0.3
Ethylbenzene	1.0	ug/l	0.3
Toluene	1.0	ug/l	0.3
Total Xylenes	n	ug/l	0.6
MTBE	n	ug/l	0.5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	280*	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.
* - Surrogate out of range; suspected matrix interferences; insufficient sample to reanalyze.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-11
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/19/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-20-W		
Sample Matrix:	WATER		

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	ug/l	50
Benzene	n	ug/l	0.3
Ethylbenzene	n	ug/l	0.3
Toluene	n	ug/l	0.3
Total Xylenes	n	ug/l	0.6
MTBE	n	ug/l	0.5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	95.4	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-16
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/20/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-19-W		
Sample Matrix:	WATER		

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	ug/l	50
Benzene	n	ug/l	0.3
Ethylbenzene	n	ug/l	0.3
Toluene	n	ug/l	0.3
Total Xylenes	n	ug/l	0.6
MTBE	n	ug/l	0.5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	183*	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.
* - Surrogate out of range; suspected matrix interferences; insufficient sample to reanalyze.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-21
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/20/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-18-W		
Sample Matrix:	WATER		

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	ug/l	50
Benzene	n	ug/l	0.3
Ethylbenzene	n	ug/l	0.3
Toluene	n	ug/l	0.3
Total Xylenes	n	ug/l	0.6
MTBE	n	ug/l	0.5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	106	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-27
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/19/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-14-W		
Sample Matrix:	WATER		

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	ug/l	50
Benzene	n	ug/l	0.3
Ethylbenzene	n	ug/l	0.3
Toluene	n	ug/l	0.3
Total Xylenes	n	ug/l	0.6
MTBE	n	ug/l	0.5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	91.9	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-33
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/19/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-16-W		
Sample Matrix:	WATER		

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	ug/l	50
Benzene	n	ug/l	0.3
Ethylbenzene	n	ug/l	0.3
Toluene	n	ug/l	0.3
Total Xylenes	n	ug/l	0.6
MTBE	n	ug/l	0.5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	76.8	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015 / 8260

Report To:	PSI	***Lab Number:***	0201289-38
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/21/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sample ID:	B-15-W		
Sample Matrix:	WATER		

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
TPH - Gas	n	ug/l	50
Benzene	n	ug/l	0.3
Ethylbenzene	n	ug/l	0.3
Toluene	n	ug/l	0.3
Total Xylenes	n	ug/l	0.6
MTBE	n	ug/l	0.5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
4-Bromofluorobenzene	120	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the Qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8015

Report To:	P.S.I.	***Lab No:***	0201289
	4703 TIDEWATER AVE., STE.B	***Date:***	01/31/02
	OAKLAND, CA 94601	***Phone:***	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/08/02

Project Name: CAL TRANS - OAKLAND

Sample Description: SOIL TESTING

Test:	***TPH-Diesel Range Organics***	***TPH-Motor Oil***	***Triphenylphosphate***	***Date Analyzed***
Method:	8015	8015	Surrogate	
Units:	mg/kg	mg/kg	%	
Reporting Limit:	10	10		
Control Limit:			40-135	
Sample ID				
B-17-2'	19	63	92.7	01/29/02
B-17-5'	15	ND	108	01/29/02
B-17-8'	23	44	55.7	01/29/02
B-20-5	29	ND	64.1	01/29/02
B-20-12	ND	ND	66.2	01/30/02
B-19-2	16	19	50.9	01/30/02
B-19-5	ND	ND	58.9	01/30/02
B-19-8	ND	ND	63.1	01/30/02
B-18-5	ND	ND	61.8	01/30/02
B-18-8	51	66	100	01/30/02
B-14-2	23	19	68.6	01/30/02
B-14-5	11	ND	40.3	01/30/02
B-14-8	11	ND	58.6	01/30/02
B-16-3	ND	ND	43.1	01/30/02
B-16-10	27	ND	84.2	01/30/02
B-15-5	15	ND	42.1	01/30/02
B-15-8	ND	ND	42.4	01/30/02

Comments: California D.O.H.S. Cert. #1677.

Reported by:

BASIC LABORATORY, INC.

EPA METHOD 8015

Report To: P.S.I.
4703 TIDEWATER AVE., STE.B
OAKLAND, CA 94601

Attention: FRANK POSS

Project Name: CAL TRANS - OAKLAND

Sample Description: WATER TESTING

Lab No: 0201289
Date: 01/31/02
Phone: (510) 434-9200
Date Sampled: 01/08/02
Date Received: 01/08/02

Test:	TPH-Diesel Range Organics	TPH-Motor Oil	Triphenylphosphate	Date Analyzed
Method:	8015	8015	Surrogate	
Units:	ug/l	ug/l	%	
Reporting Limit:	50	50		
Control Limit:			44-128	
Sample ID				
B-17-W	ND	ND	57.4	01/16/02
B-20-W	ND	ND	44.7	01/16/02
B-19-W	ND	ND	52.0	01/16/02
B-18-W	ND	ND	59.4	01/16/02
B-14-W	ND	ND	57.5	01/16/02
B-16-W	ND	ND	74.1	01/16/02
B-15-W	ND	ND	71.2	01/16/02

Comments: California D.O.H.S. Cert. #1677.

Reported by:

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0201289-3
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sampling Location:			
Sample ID:	B-17-5'		
Sample Matrix:	SOIL		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Acetone	n	ug/kg	50
Acrylonitrile	n	ug/kg	50
Benzene	n	ug/kg	5
Bromobenzene	n	ug/kg	5
Bromochloromethane	n	ug/kg	5
Bromodichloromethane	n	ug/kg	5
Bromoform	n	ug/kg	5
Bromomethane	n	ug/kg	5
2-Butanone (MEK)	n	ug/kg	50
n-Butylbenzene	n	ug/kg	5
sec-Butylbenzene	n	ug/kg	5
tert-Butylbenzene	n	ug/kg	5
Carbon Disulfide	n	ug/kg	5
Carbon tetrachloride	n	ug/kg	5
Chlorobenzene	n	ug/kg	5
Chloroethane	n	ug/kg	5
2-Chloroethylvinylether	n	ug/kg	5
Chloroform	n	ug/kg	5
Chloromethane	n	ug/kg	5
2-Chlorotoluene	n	ug/kg	5
4-Chlorotoluene	n	ug/kg	5
Dibromochloromethane	n	ug/kg	5
1,2-Dibromo-3-Chloropropane	n	ug/kg	5
1,2-Dibromoethane	n	ug/kg	5
Dibromomethane	n	ug/kg	5
1,2-Dichlorobenzene	n	ug/kg	5
1,3-Dichlorobenzene	n	ug/kg	5
1,4-Dichlorobenzene	n	ug/kg	5
Dichlorodifluoromethane	n	ug/kg	5
1,1-Dichloroethane	n	ug/kg	5
1,2-Dichloroethane	n	ug/kg	5
1,1-Dichloroethene	n	ug/kg	5
cis-1,2-Dichloroethene	n	ug/kg	5
trans-1,2-Dichloroethene	n	ug/kg	5
1,2-Dichloropropane	n	ug/kg	5

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0201289-3

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/kg	5
2,2-Dichloropropane	n	ug/kg	5
1,1-Dichloropropene	n	ug/kg	5
cis-1,3-Dichloropropene	n	ug/kg	5
trans-1,3-Dichloropropene	n	ug/kg	5
1,4-Dioxane	n	ug/kg	250
Ethyl Benzene	n	ug/kg	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/kg	5
Hexachlorobutadiene	n	ug/kg	5
2-Hexanone (MBK)	n	ug/kg	50
Isopropylbenzene	n	ug/kg	5
Di-Isopropyl Ether (DIPE)	n	ug/kg	5
p-Isopropyltoluene	n	ug/kg	5
4-Methyl-2-Pentanone (MIBK)	n	ug/kg	50
Methylene Chloride	n	ug/kg	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/kg	5
Napthalene	n	ug/kg	5
n-Propylbenzene	n	ug/kg	5
Styrene	n	ug/kg	5
Tert-Amyl Methyl Ether (TAME)	n	ug/kg	5
1,1,1,2-Tetrachloroethane	n	ug/kg	5
1,1,2,2-Tetrachloroethane	n	ug/kg	5
Tetrachloroethene	n	ug/kg	5
Tetrahydrofuran	n	ug/kg	50
Toluene	n	ug/kg	5
1,2,3-Trichlorobenzene	n	ug/kg	5
1,2,4-Trichlorobenzene	n	ug/kg	5
1,1,1-Trichloroethane	n	ug/kg	5
1,1,2-Trichloroethane	n	ug/kg	5
Trichloroethene	n	ug/kg	5
1,1,2-Trichlorotrifluoroethane	n	ug/kg	5
Trichlorofluoromethane	n	ug/kg	5
1,2,3-Trichloropropane	n	ug/kg	5
1,2,4-Trimethylbenzene	n	ug/kg	5
1,3,5-Trimethylbenzene	n	ug/kg	5
Vinyl Acetate	n	ug/kg	5
Vinyl Chloride	n	ug/kg	5
Total Xylenes	n	ug/kg	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	47.9	%	11-185
Toluene-d8	64.3	%	19-168
4-Bromofluorobenzene	77.5	%	39-128

Comments:
Caifornia D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0201289-4
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sampling Location:			
Sample ID:	B-17-8'		
Sample Matrix:	SOIL		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Acetone	n	ug/kg	50
Acrylonitrile	n	ug/kg	50
Benzene	n	ug/kg	5
Bromobenzene	n	ug/kg	5
Bromochloromethane	n	ug/kg	5
Bromodichloromethane	n	ug/kg	5
Bromoform	n	ug/kg	5
Bromomethane	n	ug/kg	5
2-Butanone (MEK)	n	ug/kg	50
n-Butylbenzene	n	ug/kg	5
sec-Butylbenzene	n	ug/kg	5
tert-Butylbenzene	n	ug/kg	5
Carbon Disulfide	n	ug/kg	5
Carbon tetrachloride	n	ug/kg	5
Chlorobenzene	n	ug/kg	5
Chloroethane	n	ug/kg	5
2-Chloroethylvinylether	n	ug/kg	5
Chloroform	n	ug/kg	5
Chloromethane	n	ug/kg	5
2-Chlorotoluene	n	ug/kg	5
4-Chlorotoluene	n	ug/kg	5
Dibromochloromethane	n	ug/kg	5
1,2-Dibromo-3-Chloropropane	n	ug/kg	5
1,2-Dibromoethane	n	ug/kg	5
Dibromomethane	n	ug/kg	5
1,2-Dichlorobenzene	n	ug/kg	5
1,3-Dichlorobenzene	n	ug/kg	5
1,4-Dichlorobenzene	n	ug/kg	5
Dichlorodifluoromethane	n	ug/kg	5
1,1-Dichloroethane	n	ug/kg	5
1,2-Dichloroethane	n	ug/kg	5
1,1-Dichloroethene	n	ug/kg	5
cis-1,2-Dichloroethene	n	ug/kg	5
trans-1,2-Dichloroethene	n	ug/kg	5
1,2-Dichloropropane	n	ug/kg	5

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0201289-4

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/kg	5
2,2-Dichloropropane	n	ug/kg	5
1,1-Dichloropropene	n	ug/kg	5
cis-1,3-Dichloropropene	n	ug/kg	5
trans-1,3-Dichloropropene	n	ug/kg	5
1,4-Dioxane	n	ug/kg	250
Ethyl Benzene	n	ug/kg	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/kg	5
Hexachlorobutadiene	n	ug/kg	5
2-Hexanone (MBK)	n	ug/kg	50
Isopropylbenzene	n	ug/kg	5
Di-Isopropyl Ether (DIPE)	n	ug/kg	5
p-Isopropyltoluene	n	ug/kg	5
4-Methyl-2-Pentanone (MIBK)	n	ug/kg	50
Methylene Chloride	n	ug/kg	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/kg	5
Napthalene	n	ug/kg	5
n-Propylbenzene	n	ug/kg	5
Styrene	n	ug/kg	5
Tert-Amyl Methyl Ether (TAME)	n	ug/kg	5
1,1,1,2-Tetrachloroethane	n	ug/kg	5
1,1,2,2-Tetrachloroethane	n	ug/kg	5
Tetrachloroethene	n	ug/kg	5
Tetrahydrofuran	n	ug/kg	50
Toluene	n	ug/kg	5
1,2,3-Trichlorobenzene	n	ug/kg	5
1,2,4-Trichlorobenzene	n	ug/kg	5
1,1,1-Trichloroethane	n	ug/kg	5
1,1,2-Trichloroethane	n	ug/kg	5
Trichloroethene	n	ug/kg	5
1,1,2-Trichlorotrifluoroethane	n	ug/kg	5
Trichlorofluoromethane	n	ug/kg	5
1,2,3-Trichloropropane	n	ug/kg	5
1,2,4-Trimethylbenzene	n	ug/kg	5
1,3,5-Trimethylbenzene	n	ug/kg	5
Vinyl Acetate	n	ug/kg	5
Vinyl Chloride	n	ug/kg	5
Total Xylenes	n	ug/kg	10

SURROGATES	RECOVERY	%	CONTROL LIMITS (%)
1,2-Dichloroethane-d4	67.9	%	11-185
Toluene-d8	86.1	%	19-168
4-Bromofluorobenzene	82.4	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0201289-10
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/23/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sampling Location:			
Sample ID:	B-20-12		
Sample Matrix:	SOIL		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Acetone	n	ug/kg	50
Acrylonitrile	n	ug/kg	50
Benzene	n	ug/kg	5
Bromobenzene	n	ug/kg	5
Bromochloromethane	n	ug/kg	5
Bromodichloromethane	n	ug/kg	5
Bromoform	n	ug/kg	5
Bromomethane	n	ug/kg	5
2-Butanone (MEK)	n	ug/kg	50
n-Butylbenzene	n	ug/kg	5
sec-Butylbenzene	n	ug/kg	5
tert-Butylbenzene	n	ug/kg	5
Carbon Disulfide	n	ug/kg	5
Carbon tetrachloride	n	ug/kg	5
Chlorobenzene	n	ug/kg	5
Chloroethane	n	ug/kg	5
2-Chloroethylvinylether	n	ug/kg	5
Chloroform	n	ug/kg	5
Chloromethane	n	ug/kg	5
2-Chlorotoluene	n	ug/kg	5
4-Chlorotoluene	n	ug/kg	5
Dibromochloromethane	n	ug/kg	5
1,2-Dibromo-3-Chloropropane	n	ug/kg	5
1,2-Dibromoethane	n	ug/kg	5
Dibromomethane	n	ug/kg	5
1,2-Dichlorobenzene	n	ug/kg	5
1,3-Dichlorobenzene	n	ug/kg	5
1,4-Dichlorobenzene	n	ug/kg	5
Dichlorodifluoromethane	n	ug/kg	5
1,1-Dichloroethane	n	ug/kg	5
1,2-Dichloroethane	n	ug/kg	5
1,1-Dichloroethene	n	ug/kg	5
cis-1,2-Dichloroethene	n	ug/kg	5
trans-1,2-Dichloroethene	n	ug/kg	5
1,2-Dichloropropane	n	ug/kg	5

EPA METHOD 8260

Report To: P.S.I. *Lab Number:* 0201289-10

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/kg	5
2,2-Dichloropropane	n	ug/kg	5
1,1-Dichloropropene	n	ug/kg	5
cis-1,3-Dichloropropene	n	ug/kg	5
trans-1,3-Dichloropropene	n	ug/kg	5
1,4-Dioxane	n	ug/kg	250
Ethyl Benzene	n	ug/kg	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/kg	5
Hexachlorobutadiene	n	ug/kg	5
2-Hexanone (MBK)	n	ug/kg	50
Isopropylbenzene	n	ug/kg	5
Di-Isopropyl Ether (DIPE)	n	ug/kg	5
p-Isopropyltoluene	n	ug/kg	5
4-Methyl-2-Pentanone (MIBK)	n	ug/kg	50
Methylene Chloride	n	ug/kg	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/kg	5
Napthalene	n	ug/kg	5
n-Propylbenzene	n	ug/kg	5
Styrene	n	ug/kg	5
Tert-Amyl Methyl Ether (TAME)	n	ug/kg	5
1,1,1,2-Tetrachloroethane	n	ug/kg	5
1,1,2,2-Tetrachloroethane	n	ug/kg	5
Tetrachloroethene	n	ug/kg	5
Tetrahydrofuran	n	ug/kg	50
Toluene	n	ug/kg	5
1,2,3-Trichlorobenzene	n	ug/kg	5
1,2,4-Trichlorobenzene	n	ug/kg	5
1,1,1-Trichloroethane	n	ug/kg	5
1,1,2-Trichloroethane	n	ug/kg	5
Trichloroethene	n	ug/kg	5
1,1,2-Trichlorotrifluoroethane	n	ug/kg	5
Trichlorofluoromethane	n	ug/kg	5
1,2,3-Trichloropropane	n	ug/kg	5
1,2,4-Trimethylbenzene	n	ug/kg	5
1,3,5-Trimethylbenzene	n	ug/kg	5
Vinyl Acetate	n	ug/kg	5
Vinyl Chloride	n	ug/kg	5
Total Xylenes	n	ug/kg	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	52.6	%	11-185
Toluene-d8	76.3	%	19-168
4-Bromofluorobenzene	75.2	%	39-128

Comments:
Caifornia D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0201289-12
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sampling Location:			
Sample ID:	B-19-2		
Sample Matrix:	SOIL		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Acetone	n	ug/kg	50
Acrylonitrile	n	ug/kg	50
Benzene	n	ug/kg	5
Bromobenzene	n	ug/kg	5
Bromochloromethane	n	ug/kg	5
Bromodichloromethane	n	ug/kg	5
Bromoform	n	ug/kg	5
Bromomethane	n	ug/kg	5
2-Butanone (MEK)	n	ug/kg	50
n-Butylbenzene	n	ug/kg	5
sec-Butylbenzene	n	ug/kg	5
tert-Butylbenzene	n	ug/kg	5
Carbon Disulfide	n	ug/kg	5
Carbon tetrachloride	n	ug/kg	5
Chlorobenzene	n	ug/kg	5
Chloroethane	n	ug/kg	5
2-Chloroethylvinylether	n	ug/kg	5
Chloroform	n	ug/kg	5
Chloromethane	n	ug/kg	5
2-Chlorotoluene	n	ug/kg	5
4-Chlorotoluene	n	ug/kg	5
Dibromochloromethane	n	ug/kg	5
1,2-Dibromo-3-Chloropropane	n	ug/kg	5
1,2-Dibromoethane	n	ug/kg	5
Dibromomethane	n	ug/kg	5
1,2-Dichlorobenzene	n	ug/kg	5
1,3-Dichlorobenzene	n	ug/kg	5
1,4-Dichlorobenzene	n	ug/kg	5
Dichlorodifluoromethane	n	ug/kg	5
1,1-Dichloroethane	n	ug/kg	5
1,2-Dichloroethane	n	ug/kg	5
1,1-Dichloroethene	n	ug/kg	5
cis-1,2-Dichloroethene	n	ug/kg	5
trans-1,2-Dichloroethene	n	ug/kg	5
1,2-Dichloropropane	n	ug/kg	5

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0201289-12

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/kg	5
2,2-Dichloropropane	n	ug/kg	5
1,1-Dichloropropene	n	ug/kg	5
cis-1,3-Dichloropropene	n	ug/kg	5
trans-1,3-Dichloropropene	n	ug/kg	5
1,4-Dioxane	n	ug/kg	250
Ethyl Benzene	n	ug/kg	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/kg	5
Hexachlorobutadiene	n	ug/kg	5
2-Hexanone (MBK)	n	ug/kg	50
Isopropylbenzene	n	ug/kg	5
Di-Isopropyl Ether (DIPE)	n	ug/kg	5
p-Isopropyltoluene	n	ug/kg	5
4-Methyl-2-Pentanone (MIBK)	n	ug/kg	50
Methylene Chloride	n	ug/kg	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/kg	5
Napthalene	n	ug/kg	5
n-Propylbenzene	n	ug/kg	5
Styrene	n	ug/kg	5
Tert-Amyl Methyl Ether (TAME)	n	ug/kg	5
1,1,1,2-Tetrachloroethane	n	ug/kg	5
1,1,2,2-Tetrachloroethane	n	ug/kg	5
Tetrachloroethene	n	ug/kg	5
Tetrahydrofuran	n	ug/kg	50
Toluene	n	ug/kg	5
1,2,3-Trichlorobenzene	n	ug/kg	5
1,2,4-Trichlorobenzene	n	ug/kg	5
1,1,1-Trichloroethane	n	ug/kg	5
1,1,2-Trichloroethane	n	ug/kg	5
Trichloroethene	n	ug/kg	5
1,1,2-Trichlorotrifluoroethane	n	ug/kg	5
Trichlorofluoromethane	n	ug/kg	5
1,2,3-Trichloropropane	n	ug/kg	5
1,2,4-Trimethylbenzene	n	ug/kg	5
1,3,5-Trimethylbenzene	n	ug/kg	5
Vinyl Acetate	n	ug/kg	5
Vinyl Chloride	n	ug/kg	5
Total Xylenes	n	ug/kg	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	64.4	%	11-185
Toluene-d8	53.8	%	19-168
4-Bromofluorobenzene	84.4	%	39-128

Comments:
Caifornia D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0201289-14
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sampling Location:			
Sample ID:	B-19-5		
Sample Matrix:	SOIL		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Acetone	n	ug/kg	50
Acrylonitrile	n	ug/kg	50
Benzene	n	ug/kg	5
Bromobenzene	n	ug/kg	5
Bromochloromethane	n	ug/kg	5
Bromodichloromethane	n	ug/kg	5
Bromoform	n	ug/kg	5
Bromomethane	n	ug/kg	5
2-Butanone (MEK)	n	ug/kg	50
n-Butylbenzene	n	ug/kg	5
sec-Butylbenzene	n	ug/kg	5
tert-Butylbenzene	n	ug/kg	5
Carbon Disulfide	n	ug/kg	5
Carbon tetrachloride	n	ug/kg	5
Chlorobenzene	n	ug/kg	5
Chloroethane	n	ug/kg	5
2-Chloroethylvinylether	n	ug/kg	5
Chloroform	n	ug/kg	5
Chloromethane	n	ug/kg	5
2-Chlorotoluene	n	ug/kg	5
4-Chlorotoluene	n	ug/kg	5
Dibromochloromethane	n	ug/kg	5
1,2-Dibromo-3-Chloropropane	n	ug/kg	5
1,2-Dibromoethane	n	ug/kg	5
Dibromomethane	n	ug/kg	5
1,2-Dichlorobenzene	n	ug/kg	5
1,3-Dichlorobenzene	n	ug/kg	5
1,4-Dichlorobenzene	n	ug/kg	5
Dichlorodifluoromethane	n	ug/kg	5
1,1-Dichloroethane	n	ug/kg	5
1,2-Dichloroethane	n	ug/kg	5
1,1-Dichloroethene	n	ug/kg	5
cis-1,2-Dichloroethene	n	ug/kg	5
trans-1,2-Dichloroethene	n	ug/kg	5
1,2-Dichloropropane	n	ug/kg	5

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0201289-14

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/kg	5
2,2-Dichloropropane	n	ug/kg	5
1,1-Dichloropropene	n	ug/kg	5
cis-1,3-Dichloropropene	n	ug/kg	5
trans-1,3-Dichloropropene	n	ug/kg	5
1,4-Dioxane	n	ug/kg	250
Ethyl Benzene	n	ug/kg	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/kg	5
Hexachlorobutadiene	n	ug/kg	5
2-Hexanone (MBK)	n	ug/kg	50
Isopropylbenzene	n	ug/kg	5
Di-Isopropyl Ether (DIPE)	n	ug/kg	5
p-Isopropyltoluene	n	ug/kg	5
4-Methyl-2-Pentanone (MIBK)	n	ug/kg	50
Methylene Chloride	n	ug/kg	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/kg	5
Napthalene	n	ug/kg	5
n-Propylbenzene	n	ug/kg	5
Styrene	n	ug/kg	5
Tert-Amyl Methyl Ether (TAME)	n	ug/kg	5
1,1,1,2-Tetrachloroethane	n	ug/kg	5
1,1,2,2-Tetrachloroethane	n	ug/kg	5
Tetrachloroethene	n	ug/kg	5
Tetrahydrofuran	n	ug/kg	50
Toluene	n	ug/kg	5
1,2,3-Trichlorobenzene	n	ug/kg	5
1,2,4-Trichlorobenzene	n	ug/kg	5
1,1,1-Trichloroethane	n	ug/kg	5
1,1,2-Trichloroethane	n	ug/kg	5
Trichloroethene	n	ug/kg	5
1,1,2-Trichlorotrifluoroethane	n	ug/kg	5
Trichlorofluoromethane	n	ug/kg	5
1,2,3-Trichloropropane	n	ug/kg	5
1,2,4-Trimethylbenzene	n	ug/kg	5
1,3,5-Trimethylbenzene	n	ug/kg	5
Vinyl Acetate	n	ug/kg	5
Vinyl Chloride	n	ug/kg	5
Total Xylenes	n	ug/kg	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	66.9	%	11-185
Toluene-d8	64.6	%	19-168
4-Bromofluorobenzene	97.4	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0201289-15
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sampling Location:			
Sample ID:	B-19-8		
Sample Matrix:	SOIL		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Acetone	n	ug/kg	50
Acrylonitrile	n	ug/kg	50
Benzene	n	ug/kg	5
Bromobenzene	n	ug/kg	5
Bromochloromethane	n	ug/kg	5
Bromodichloromethane	n	ug/kg	5
Bromoform	n	ug/kg	5
Bromomethane	n	ug/kg	5
2-Butanone (MEK)	n	ug/kg	50
n-Butylbenzene	n	ug/kg	5
sec-Butylbenzene	n	ug/kg	5
tert-Butylbenzene	n	ug/kg	5
Carbon Disulfide	n	ug/kg	5
Carbon tetrachloride	n	ug/kg	5
Chlorobenzene	n	ug/kg	5
Chloroethane	n	ug/kg	5
2-Chloroethylvinylether	n	ug/kg	5
Chloroform	n	ug/kg	5
Chloromethane	n	ug/kg	5
2-Chlorotoluene	n	ug/kg	5
4-Chlorotoluene	n	ug/kg	5
Dibromochloromethane	n	ug/kg	5
1,2-Dibromo-3-Chloropropane	n	ug/kg	5
1,2-Dibromoethane	n	ug/kg	5
Dibromomethane	n	ug/kg	5
1,2-Dichlorobenzene	n	ug/kg	5
1,3-Dichlorobenzene	n	ug/kg	5
1,4-Dichlorobenzene	n	ug/kg	5
Dichlorodifluoromethane	n	ug/kg	5
1,1-Dichloroethane	n	ug/kg	5
1,2-Dichloroethane	n	ug/kg	5
1,1-Dichloroethene	n	ug/kg	5
cis-1,2-Dichloroethene	n	ug/kg	5
trans-1,2-Dichloroethene	n	ug/kg	5
1,2-Dichloropropane	n	ug/kg	5

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0201289-15

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/kg	5
2,2-Dichloropropane	n	ug/kg	5
1,1-Dichloropropene	n	ug/kg	5
cis-1,3-Dichloropropene	n	ug/kg	5
trans-1,3-Dichloropropene	n	ug/kg	5
1,4-Dioxane	n	ug/kg	250
Ethyl Benzene	n	ug/kg	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/kg	5
Hexachlorobutadiene	n	ug/kg	5
2-Hexanone (MBK)	n	ug/kg	50
Isopropylbenzene	n	ug/kg	5
Di-Isopropyl Ether (DIPE)	n	ug/kg	5
p-Isopropyltoluene	n	ug/kg	5
4-Methyl-2-Pentanone (MIBK)	n	ug/kg	50
Methylene Chloride	n	ug/kg	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/kg	5
Napthalene	n	ug/kg	5
n-Propylbenzene	n	ug/kg	5
Styrene	n	ug/kg	5
Tert-Amyl Methyl Ether (TAME)	n	ug/kg	5
1,1,1,2-Tetrachloroethane	n	ug/kg	5
1,1,2,2-Tetrachloroethane	n	ug/kg	5
Tetrachloroethene	n	ug/kg	5
Tetrahydrofuran	n	ug/kg	50
Toluene	n	ug/kg	5
1,2,3-Trichlorobenzene	n	ug/kg	5
1,2,4-Trichlorobenzene	n	ug/kg	5
1,1,1-Trichloroethane	n	ug/kg	5
1,1,2-Trichloroethane	n	ug/kg	5
Trichloroethene	n	ug/kg	5
1,1,2-Trichlorotrifluoroethane	n	ug/kg	5
Trichlorofluoromethane	n	ug/kg	5
1,2,3-Trichloropropane	n	ug/kg	5
1,2,4-Trimethylbenzene	n	ug/kg	5
1,3,5-Trimethylbenzene	n	ug/kg	5
Vinyl Acetate	n	ug/kg	5
Vinyl Chloride	n	ug/kg	5
Total Xylenes	n	ug/kg	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	64.4	%	11-185
Toluene-d8	83.4	%	19-168
4-Bromofluorobenzene	79.8	%	39-128

Comments:
Caifornia D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0201289-20
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sampling Location:			
Sample ID:	B-18-8		
Sample Matrix:	SOIL		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Acetone	n	ug/kg	50
Acrylonitrile	n	ug/kg	50
Benzene	n	ug/kg	5
Bromobenzene	n	ug/kg	5
Bromochloromethane	n	ug/kg	5
Bromodichloromethane	n	ug/kg	5
Bromoform	n	ug/kg	5
Bromomethane	n	ug/kg	5
2-Butanone (MEK)	n	ug/kg	50
n-Butylbenzene	n	ug/kg	5
sec-Butylbenzene	n	ug/kg	5
tert-Butylbenzene	n	ug/kg	5
Carbon Disulfide	n	ug/kg	5
Carbon tetrachloride	n	ug/kg	5
Chlorobenzene	n	ug/kg	5
Chloroethane	n	ug/kg	5
2-Chloroethylvinylether	n	ug/kg	5
Chloroform	n	ug/kg	5
Chloromethane	n	ug/kg	5
2-Chlorotoluene	n	ug/kg	5
4-Chlorotoluene	n	ug/kg	5
Dibromochloromethane	n	ug/kg	5
1,2-Dibromo-3-Chloropropane	n	ug/kg	5
1,2-Dibromoethane	n	ug/kg	5
Dibromomethane	n	ug/kg	5
1,2-Dichlorobenzene	n	ug/kg	5
1,3-Dichlorobenzene	n	ug/kg	5
1,4-Dichlorobenzene	n	ug/kg	5
Dichlorodifluoromethane	n	ug/kg	5
1,1-Dichloroethane	n	ug/kg	5
1,2-Dichloroethane	n	ug/kg	5
1,1-Dichloroethene	n	ug/kg	5
cis-1,2-Dichloroethene	n	ug/kg	5
trans-1,2-Dichloroethene	n	ug/kg	5
1,2-Dichloropropane	n	ug/kg	5

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0201289-20

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/kg	5
2,2-Dichloropropane	n	ug/kg	5
1,1-Dichloropropene	n	ug/kg	5
cis-1,3-Dichloropropene	n	ug/kg	5
trans-1,3-Dichloropropene	n	ug/kg	5
1,4-Dioxane	n	ug/kg	250
Ethyl Benzene	n	ug/kg	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/kg	5
Hexachlorobutadiene	n	ug/kg	5
2-Hexanone (MBK)	n	ug/kg	50
Isopropylbenzene	n	ug/kg	5
Di-Isopropyl Ether (DIPE)	n	ug/kg	5
p-Isopropyltoluene	62	ug/kg	5
4-Methyl-2-Pentanone (MIBK)	n	ug/kg	50
Methylene Chloride	n	ug/kg	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/kg	5
Napthalene	n	ug/kg	5
n-Propylbenzene	n	ug/kg	5
Styrene	n	ug/kg	5
Tert-Amyl Methyl Ether (TAME)	n	ug/kg	5
1,1,1,2-Tetrachloroethane	n	ug/kg	5
1,1,2,2-Tetrachloroethane	n	ug/kg	5
Tetrachloroethene	n	ug/kg	5
Tetrahydrofuran	n	ug/kg	50
Toluene	n	ug/kg	5
1,2,3-Trichlorobenzene	n	ug/kg	5
1,2,4-Trichlorobenzene	n	ug/kg	5
1,1,1-Trichloroethane	n	ug/kg	5
1,1,2-Trichloroethane	n	ug/kg	5
Trichloroethene	n	ug/kg	5
1,1,2-Trichlorotrifluoroethane	n	ug/kg	5
Trichlorofluoromethane	n	ug/kg	5
1,2,3-Trichloropropane	n	ug/kg	5
1,2,4-Trimethylbenzene	n	ug/kg	5
1,3,5-Trimethylbenzene	n	ug/kg	5
Vinyl Acetate	n	ug/kg	5
Vinyl Chloride	n	ug/kg	5
Total Xylenes	n	ug/kg	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	66.8	%	11-185
Toluene-d8	87.0	%	19-168
4-Bromofluorobenzene	74.2	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0201289-24
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sampling Location:			
Sample ID:	B-14-5		
Sample Matrix:	SOIL		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Acetone	n	ug/kg	50
Acrylonitrile	n	ug/kg	50
Benzene	n	ug/kg	5
Bromobenzene	n	ug/kg	5
Bromochloromethane	n	ug/kg	5
Bromodichloromethane	n	ug/kg	5
Bromoform	n	ug/kg	5
Bromomethane	n	ug/kg	5
2-Butanone (MEK)	n	ug/kg	50
n-Butylbenzene	n	ug/kg	5
sec-Butylbenzene	n	ug/kg	5
tert-Butylbenzene	n	ug/kg	5
Carbon Disulfide	n	ug/kg	5
Carbon tetrachloride	n	ug/kg	5
Chlorobenzene	n	ug/kg	5
Chloroethane	n	ug/kg	5
2-Chloroethylvinylether	n	ug/kg	5
Chloroform	n	ug/kg	5
Chloromethane	n	ug/kg	5
2-Chlorotoluene	n	ug/kg	5
4-Chlorotoluene	n	ug/kg	5
Dibromochloromethane	n	ug/kg	5
1,2-Dibromo-3-Chloropropane	n	ug/kg	5
1,2-Dibromoethane	n	ug/kg	5
Dibromomethane	n	ug/kg	5
1,2-Dichlorobenzene	n	ug/kg	5
1,3-Dichlorobenzene	n	ug/kg	5
1,4-Dichlorobenzene	n	ug/kg	5
Dichlorodifluoromethane	n	ug/kg	5
1,1-Dichloroethane	n	ug/kg	5
1,2-Dichloroethane	n	ug/kg	5
1,1-Dichloroethene	n	ug/kg	5
cis-1,2-Dichloroethene	n	ug/kg	5
trans-1,2-Dichloroethene	n	ug/kg	5
1,2-Dichloropropane	n	ug/kg	5

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0201289-24

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/kg	5
2,2-Dichloropropane	n	ug/kg	5
1,1-Dichloropropene	n	ug/kg	5
cis-1,3-Dichloropropene	n	ug/kg	5
trans-1,3-Dichloropropene	n	ug/kg	5
1,4-Dioxane	n	ug/kg	250
Ethyl Benzene	n	ug/kg	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/kg	5
Hexachlorobutadiene	n	ug/kg	5
2-Hexanone (MBK)	n	ug/kg	50
Isopropylbenzene	n	ug/kg	5
Di-Isopropyl Ether (DIPE)	n	ug/kg	5
p-Isopropyltoluene	n	ug/kg	5
4-Methyl-2-Pentanone (MIBK)	n	ug/kg	50
Methylene Chloride	n	ug/kg	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/kg	5
Napthalene	n	ug/kg	5
n-Propylbenzene	n	ug/kg	5
Styrene	n	ug/kg	5
Tert-Amyl Methyl Ether (TAME)	n	ug/kg	5
1,1,1,2-Tetrachloroethane	n	ug/kg	5
1,1,2,2-Tetrachloroethane	n	ug/kg	5
Tetrachloroethene	n	ug/kg	5
Tetrahydrofuran	n	ug/kg	50
Toluene	n	ug/kg	5
1,2,3-Trichlorobenzene	n	ug/kg	5
1,2,4-Trichlorobenzene	n	ug/kg	5
1,1,1-Trichloroethane	n	ug/kg	5
1,1,2-Trichloroethane	n	ug/kg	5
Trichloroethene	n	ug/kg	5
1,1,2-Trichlorotrifluoroethane	n	ug/kg	5
Trichlorofluoromethane	n	ug/kg	5
1,2,3-Trichloropropane	n	ug/kg	5
1,2,4-Trimethylbenzene	n	ug/kg	5
1,3,5-Trimethylbenzene	n	ug/kg	5
Vinyl Acetate	n	ug/kg	5
Vinyl Chloride	n	ug/kg	5
Total Xylenes	n	ug/kg	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	63.0	%	11-185
Toluene-d8	85.8	%	19-168
4-Bromofluorobenzene	79.0	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0201289-25
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sampling Location:			
Sample ID:	B-14-8		
Sample Matrix:	SOIL		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Acetone	n	ug/kg	50
Acrylonitrile	n	ug/kg	50
Benzene	n	ug/kg	5
Bromobenzene	n	ug/kg	5
Bromochloromethane	n	ug/kg	5
Bromodichloromethane	n	ug/kg	5
Bromoform	n	ug/kg	5
Bromomethane	n	ug/kg	5
2-Butanone (MEK)	n	ug/kg	50
n-Butylbenzene	n	ug/kg	5
sec-Butylbenzene	n	ug/kg	5
tert-Butylbenzene	n	ug/kg	5
Carbon Disulfide	n	ug/kg	5
Carbon tetrachloride	n	ug/kg	5
Chlorobenzene	n	ug/kg	5
Chloroethane	n	ug/kg	5
2-Chloroethylvinylether	n	ug/kg	5
Chloroform	n	ug/kg	5
Chloromethane	n	ug/kg	5
2-Chlorotoluene	n	ug/kg	5
4-Chlorotoluene	n	ug/kg	5
Dibromochloromethane	n	ug/kg	5
1,2-Dibromo-3-Chloropropane	n	ug/kg	5
1,2-Dibromoethane	n	ug/kg	5
Dibromomethane	n	ug/kg	5
1,2-Dichlorobenzene	n	ug/kg	5
1,3-Dichlorobenzene	n	ug/kg	5
1,4-Dichlorobenzene	n	ug/kg	5
Dichlorodifluoromethane	n	ug/kg	5
1,1-Dichloroethane	n	ug/kg	5
1,2-Dichloroethane	n	ug/kg	5
1,1-Dichloroethene	n	ug/kg	5
cis-1,2-Dichloroethene	n	ug/kg	5
trans-1,2-Dichloroethene	n	ug/kg	5
1,2-Dichloropropane	n	ug/kg	5

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0201289-25

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/kg	5
2,2-Dichloropropane	n	ug/kg	5
1,1-Dichloropropene	n	ug/kg	5
cis-1,3-Dichloropropene	n	ug/kg	5
trans-1,3-Dichloropropene	n	ug/kg	5
1,4-Dioxane	n	ug/kg	250
Ethyl Benzene	n	ug/kg	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/kg	5
Hexachlorobutadiene	n	ug/kg	5
2-Hexanone (MBK)	n	ug/kg	50
Isopropylbenzene	n	ug/kg	5
Di-Isopropyl Ether (DIPE)	n	ug/kg	5
p-Isopropyltoluene	n	ug/kg	5
4-Methyl-2-Pentanone (MIBK)	n	ug/kg	50
Methylene Chloride	n	ug/kg	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/kg	5
Napthalene	n	ug/kg	5
n-Propylbenzene	n	ug/kg	5
Styrene	n	ug/kg	5
Tert-Amyl Methyl Ether (TAME)	n	ug/kg	5
1,1,1,2-Tetrachloroethane	n	ug/kg	5
1,1,2,2-Tetrachloroethane	n	ug/kg	5
Tetrachloroethene	n	ug/kg	5
Tetrahydrofuran	n	ug/kg	50
Toluene	n	ug/kg	5
1,2,3-Trichlorobenzene	n	ug/kg	5
1,2,4-Trichlorobenzene	n	ug/kg	5
1,1,1-Trichloroethane	n	ug/kg	5
1,1,2-Trichloroethane	n	ug/kg	5
Trichloroethene	n	ug/kg	5
1,1,2-Trichlorotrifluoroethane	n	ug/kg	5
Trichlorofluoromethane	n	ug/kg	5
1,2,3-Trichloropropane	n	ug/kg	5
1,2,4-Trimethylbenzene	n	ug/kg	5
1,3,5-Trimethylbenzene	n	ug/kg	5
Vinyl Acetate	n	ug/kg	5
Vinyl Chloride	n	ug/kg	5
Total Xylenes	n	ug/kg	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	55.7	%	11-185
Toluene-d8	79.7	%	19-168
4-Bromofluorobenzene	75.3	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0201289-28
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sampling Location:			
Sample ID:	B-16-2		
Sample Matrix:	SOIL		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Acetone	n	ug/kg	50
Acrylonitrile	n	ug/kg	50
Benzene	n	ug/kg	5
Bromobenzene	n	ug/kg	5
Bromochloromethane	n	ug/kg	5
Bromodichloromethane	n	ug/kg	5
Bromoform	n	ug/kg	5
Bromomethane	n	ug/kg	5
2-Butanone (MEK)	n	ug/kg	50
n-Butylbenzene	n	ug/kg	5
sec-Butylbenzene	n	ug/kg	5
tert-Butylbenzene	n	ug/kg	5
Carbon Disulfide	n	ug/kg	5
Carbon tetrachloride	n	ug/kg	5
Chlorobenzene	n	ug/kg	5
Chloroethane	n	ug/kg	5
2-Chloroethylvinylether	n	ug/kg	5
Chloroform	n	ug/kg	5
Chloromethane	n	ug/kg	5
2-Chlorotoluene	n	ug/kg	5
4-Chlorotoluene	n	ug/kg	5
Dibromochloromethane	n	ug/kg	5
1,2-Dibromo-3-Chloropropane	n	ug/kg	5
1,2-Dibromoethane	n	ug/kg	5
Dibromomethane	n	ug/kg	5
1,2-Dichlorobenzene	n	ug/kg	5
1,3-Dichlorobenzene	n	ug/kg	5
1,4-Dichlorobenzene	n	ug/kg	5
Dichlorodifluoromethane	n	ug/kg	5
1,1-Dichloroethane	n	ug/kg	5
1,2-Dichloroethane	n	ug/kg	5
1,1-Dichloroethene	n	ug/kg	5
cis-1,2-Dichloroethene	n	ug/kg	5
trans-1,2-Dichloroethene	n	ug/kg	5
1,2-Dichloropropane	n	ug/kg	5

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0201289-28

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/kg	5
2,2-Dichloropropane	n	ug/kg	5
1,1-Dichloropropene	n	ug/kg	5
cis-1,3-Dichloropropene	n	ug/kg	5
trans-1,3-Dichloropropene	n	ug/kg	5
1,4-Dioxane	n	ug/kg	250
Ethyl Benzene	n	ug/kg	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/kg	5
Hexachlorobutadiene	n	ug/kg	5
2-Hexanone (MBK)	n	ug/kg	50
Isopropylbenzene	n	ug/kg	5
Di-Isopropyl Ether (DIPE)	n	ug/kg	5
p-Isopropyltoluene	n	ug/kg	5
4-Methyl-2-Pentanone (MIBK)	n	ug/kg	50
Methylene Chloride	n	ug/kg	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/kg	5
Napthalene	n	ug/kg	5
n-Propylbenzene	n	ug/kg	5
Styrene	n	ug/kg	5
Tert-Amyl Methyl Ether (TAME)	n	ug/kg	5
1,1,1,2-Tetrachloroethane	n	ug/kg	5
1,1,2,2-Tetrachloroethane	n	ug/kg	5
Tetrachloroethene	n	ug/kg	5
Tetrahydrofuran	n	ug/kg	50
Toluene	n	ug/kg	5
1,2,3-Trichlorobenzene	n	ug/kg	5
1,2,4-Trichlorobenzene	n	ug/kg	5
1,1,1-Trichloroethane	n	ug/kg	5
1,1,2-Trichloroethane	n	ug/kg	5
Trichloroethene	n	ug/kg	5
1,1,2-Trichlorotrifluoroethane	n	ug/kg	5
Trichlorofluoromethane	n	ug/kg	5
1,2,3-Trichloropropane	n	ug/kg	5
1,2,4-Trimethylbenzene	n	ug/kg	5
1,3,5-Trimethylbenzene	n	ug/kg	5
Vinyl Acetate	n	ug/kg	5
Vinyl Chloride	n	ug/kg	5
Total Xylenes	n	ug/kg	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	35.2	%	11-185
Toluene-d8	70.2	%	19-168
4-Bromofluorobenzene	90.1	%	39-128

Comments:
Caifornia D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0201289-29
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sampling Location:			
Sample ID:	B-16-3		
Sample Matrix:	SOIL		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Acetone	n	ug/kg	50
Acrylonitrile	n	ug/kg	50
Benzene	n	ug/kg	5
Bromobenzene	n	ug/kg	5
Bromochloromethane	n	ug/kg	5
Bromodichloromethane	n	ug/kg	5
Bromoform	n	ug/kg	5
Bromomethane	n	ug/kg	5
2-Butanone (MEK)	n	ug/kg	50
n-Butylbenzene	n	ug/kg	5
sec-Butylbenzene	n	ug/kg	5
tert-Butylbenzene	n	ug/kg	5
Carbon Disulfide	n	ug/kg	5
Carbon tetrachloride	n	ug/kg	5
Chlorobenzene	n	ug/kg	5
Chloroethane	n	ug/kg	5
2-Chloroethylvinylether	n	ug/kg	5
Chloroform	n	ug/kg	5
Chloromethane	n	ug/kg	5
2-Chlorotoluene	n	ug/kg	5
4-Chlorotoluene	n	ug/kg	5
Dibromochloromethane	n	ug/kg	5
1,2-Dibromo-3-Chloropropane	n	ug/kg	5
1,2-Dibromoethane	n	ug/kg	5
Dibromomethane	n	ug/kg	5
1,2-Dichlorobenzene	n	ug/kg	5
1,3-Dichlorobenzene	n	ug/kg	5
1,4-Dichlorobenzene	n	ug/kg	5
Dichlorodifluoromethane	n	ug/kg	5
1,1-Dichloroethane	n	ug/kg	5
1,2-Dichloroethane	n	ug/kg	5
1,1-Dichloroethene	n	ug/kg	5
cis-1,2-Dichloroethene	n	ug/kg	5
trans-1,2-Dichloroethene	n	ug/kg	5
1,2-Dichloropropane	n	ug/kg	5

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0201289-29

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/kg	5
2,2-Dichloropropane	n	ug/kg	5
1,1-Dichloropropene	n	ug/kg	5
cis-1,3-Dichloropropene	n	ug/kg	5
trans-1,3-Dichloropropene	n	ug/kg	5
1,4-Dioxane	n	ug/kg	250
Ethyl Benzene	n	ug/kg	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/kg	5
Hexachlorobutadiene	n	ug/kg	5
2-Hexanone (MBK)	n	ug/kg	50
Isopropylbenzene	n	ug/kg	5
Di-Isopropyl Ether (DIPE)	n	ug/kg	5
p-Isopropyltoluene	n	ug/kg	5
4-Methyl-2-Pentanone (MIBK)	n	ug/kg	50
Methylene Chloride	n	ug/kg	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/kg	5
Napthalene	n	ug/kg	5
n-Propylbenzene	n	ug/kg	5
Styrene	n	ug/kg	5
Tert-Amyl Methyl Ether (TAME)	n	ug/kg	5
1,1,1,2-Tetrachloroethane	n	ug/kg	5
1,1,2,2-Tetrachloroethane	n	ug/kg	5
Tetrachloroethene	n	ug/kg	5
Tetrahydrofuran	n	ug/kg	50
Toluene	n	ug/kg	5
1,2,3-Trichlorobenzene	n	ug/kg	5
1,2,4-Trichlorobenzene	n	ug/kg	5
1,1,1-Trichloroethane	n	ug/kg	5
1,1,2-Trichloroethane	n	ug/kg	5
Trichloroethene	n	ug/kg	5
1,1,2-Trichlorotrifluoroethane	n	ug/kg	5
Trichlorofluoromethane	n	ug/kg	5
1,2,3-Trichloropropane	n	ug/kg	5
1,2,4-Trimethylbenzene	n	ug/kg	5
1,3,5-Trimethylbenzene	n	ug/kg	5
Vinyl Acetate	n	ug/kg	5
Vinyl Chloride	n	ug/kg	5
Total Xylenes	n	ug/kg	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	53.2	%	11-185
Toluene-d8	79.9	%	19-168
4-Bromofluorobenzene	68.1	%	39-128

Comments:
Caifornia D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0201289-33
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
	575-1G055	***Date Analyzed:***	01/22/02
Project Number:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sampling Location:			
Sample ID:	B-16-W		
Sample Matrix:	WATER		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Acetone	23	ug/l	5
Acrylonitrile	n	ug/l	5
Benzene	n	ug/l	0.5
Bromobenzene	n	ug/l	0.5
Bromochloromethane	n	ug/l	0.5
Bromodichloromethane	n	ug/l	0.5
Bromoform	n	ug/l	0.5
Bromomethane	n	ug/l	0.5
2-Butanone (MEK)	n	ug/l	5
n-Butylbenzene	n	ug/l	0.5
sec-Butylbenzene	n	ug/l	0.5
tert-Butylbenzene	n	ug/l	0.5
Carbon Disulfide	n	ug/l	0.5
Carbon tetrachloride	n	ug/l	0.5
Chlorobenzene	n	ug/l	0.5
Chloroethane	n	ug/l	0.5
2-Chloroethylvinylether	n	ug/l	0.5
Chloroform	n	ug/l	0.5
Chloromethane	n	ug/l	0.5
2-Chlorotoluene	n	ug/l	0.5
4-Chlorotoluene	n	ug/l	0.5
Dibromochloromethane	n	ug/l	0.5
1,2-Dibromo-3-Chloropropane	n	ug/l	0.5
1,2-Dibromoethane	n	ug/l	0.5
Dibromomethane	n	ug/l	0.5
1,2-Dichlorobenzene	n	ug/l	0.5
1,3-Dichlorobenzene	n	ug/l	0.5
1,4-Dichlorobenzene	n	ug/l	0.5
Dichlorodifluoromethane	n	ug/l	0.5
1,1-Dichloroethane	n	ug/l	0.5
1,2-Dichloroethane	n	ug/l	0.5
1,1-Dichloroethene	n	ug/l	0.5
cis-1,2-Dichloroethene	n	ug/l	0.5
trans-1,2-Dichloroethene	n	ug/l	0.5
1,2-Dichloropropane	n	ug/l	0.5

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0201289-33

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/l	0.5
2,2-Dichloropropane	n	ug/l	0.5
1,1-Dichloropropene	n	ug/l	0.5
cis-1,3-Dichloropropene	n	ug/l	0.5
trans-1,3-Dichloropropene	n	ug/l	0.5
1,4-Dioxane	n	ug/l	25
Ethyl Benzene	n	ug/l	0.5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/l	0.5
Hexachlorobutadiene	n	ug/l	0.5
2-Hexanone (MBK)	n	ug/l	5
Isopropylbenzene	n	ug/l	0.5
Di-Isopropyl Ether (DIPE)	n	ug/l	0.5
p-Isopropyltoluene	n	ug/l	0.5
4-Methyl-2-Pentanone (MIBK)	n	ug/l	5
Methylene Chloride	n	ug/l	1
Methyl Tert-Butyl Ether (MTBE)	n	ug/l	0.5
Napthalene	n	ug/l	0.5
n-Propylbenzene	n	ug/l	0.5
Styrene	n	ug/l	0.5
Tert-Amyl Methyl Ether (TAME)	n	ug/l	0.5
tert - Butanol (TBA)	n	ug/l	50
1,1,1,2-Tetrachloroethane	n	ug/l	0.5
1,1,2,2-Tetrachloroethane	n	ug/l	0.5
Tetrachloroethene	n	ug/l	0.5
Tetrahydrofuran	n	ug/l	5
Toluene	1.0	ug/l	0.5
1,2,3-Trichlorobenzene	n	ug/l	0.5
1,2,4-Trichlorobenzene	n	ug/l	0.5
1,1,1-Trichloroethane	n	ug/l	0.5
1,1,2-Trichloroethane	n	ug/l	0.5
Trichloroethene	n	ug/l	0.5
1,1,2-Trichlorotrifluoroethane	n	ug/l	0.5
Trichlorofluoromethane	n	ug/l	0.5
1,2,3-Trichloropropane	n	ug/l	0.5
1,2,4-Trimethylbenzene	n	ug/l	0.5
1,3,5-Trimethylbenzene	n	ug/l	0.5
Vinyl Acetate	n	ug/l	0.5
Vinyl Chloride	n	ug/l	0.5
Total Xylenes	n	ug/l	1.
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	71.0	%	28-129
Toluene-d8	85.9	%	52-150
4-Bromofluorobenzene	76.8	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-3
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/15/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/22/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-17-5'		
Sample Matrix:	SOIL		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Aniline	n	mg/kg	0.330
Phenol	2.92	mg/kg	0.330
Bis(2-Chloroethyl)ether	n	mg/kg	0.330
2-Chlorophenol	n	mg/kg	0.330
1,3-Dichlorobenzene	n	mg/kg	0.330
1,4-Dichlorobenzene	n	mg/kg	0.330
Benzyl alcohol	n	mg/kg	0.660
1,2-Dichlorobenzene	n	mg/kg	0.330
2-Methylphenol	n	mg/kg	0.330
Bis(2-Chloroisopropyl)ethe	n	mg/kg	0.330
3+4-Methylphenol	n	mg/kg	0.330
N-Nitroso-di-n-propylamine	n	mg/kg	0.330
Hexachloroethane	n	mg/kg	0.330
Nitrobenzene	n	mg/kg	0.330
Isophorone	n	mg/kg	0.330
2-Nitrophenol	n	mg/kg	1.60
2,4-Dimethylphenol	n	mg/kg	0.330
Bis(2-Chloroethoxy)metha	n	mg/kg	0.330
2,4-Dichlorophenol	n	mg/kg	0.330
1,2,4-Trichlorobenzene	n	mg/kg	0.330
Naphthalene	n	mg/kg	0.330
4-Chloroaniline	n	mg/kg	0.660
Hexachlorobutadiene	n	mg/kg	0.330
4-Chloro-3-methylphenol	n	mg/kg	0.330
2-Methylnaphthalene	n	mg/kg	0.330
Hexachlorocyclopentadien	n	mg/kg	1.60
2,4,6-Trichlorophenol	n	mg/kg	0.330
2,4,5-Trichlorophenol	n	mg/kg	0.330
2-Chloronaphthalene	n	mg/kg	0.330
2-Nitroaniline	n	mg/kg	1.60
Dimethylphthalate	n	mg/kg	0.330
Acenaphthylene	n	mg/kg	0.330
2,6-Dinitrotoluene	n	mg/kg	0.330
3-Nitroaniline	n	mg/kg	1.60
Acenaphthene	n	mg/kg	0.330
2,4-Dinitrophenol	n	mg/kg	1.60
Dibenzofuran	n	mg/kg	0.330
4-Nitrophenol	n	mg/kg	1.60
2,4-Dinitrotoluene	n	mg/kg	0.330

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-3

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Fluorene	n	mg/kg	0.330
Diethyphthalate	n	mg/kg	0.330
4-Chlorophenyl-phenylethe	n	mg/kg	0.330
4-Nitroaniline	n	mg/kg	1.60
4,6-Dinitro-2-methylphenol	n	mg/kg	1.60
N-Nitrosodiphenylamine	n	mg/kg	0.330
4-Bromophenyl-phenyl eth	n	mg/kg	0.330
Hexachlorobenzene	n	mg/kg	0.330
Pentachlorophenol	n	mg/kg	0.330
Phenanthrene	n	mg/kg	0.330
Anthracene	n	mg/kg	0.330
Di-n-Butyphthalate	n	mg/kg	0.330
Fluoranthene	n	mg/kg	0.330
Benzidine	n	mg/kg	1.60
Pyrene	n	mg/kg	0.330
Butylbenzylphthalate	n	mg/kg	0.330
Benzo(a)anthracene	n	mg/kg	0.330
Bis-(2-Ethylhexyl)phthalate	n	mg/kg	0.330
Chrysene	n	mg/kg	0.330
Di-n-Octylphthalate	n	mg/kg	0.330
Benzo(b)Fluoranthene	n	mg/kg	0.330
Benzo(k)Fluoranthene	n	mg/kg	0.330
Benzo(a)Pyrene	n	mg/kg	0.330
Indeno(1,2,3-cd)Pyrene	n	mg/kg	0.330
Dibenzo(a,h)Anthracene	n	mg/kg	0.330
Benzo(g,h,i)Perylene	n	mg/kg	0.330
SURROGATES	**RECOVERY**	**%**	***CONTROL LIMITS (%)**
2-Fluorophenol	107	%	25-121
Phenol-d5	88.1	%	24-113
2,4,6-Tribromophenol	85.8	%	19-122
Nitrobenzene -d5	56.9	%	23-120
2-Fluorobiphenyl	69.9	%	30-115
Terphenyl-d14	91.4	%	18-137

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-4
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/15/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/22/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-17-8'		
Sample Matrix:	SOIL		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Aniline	n	mg/kg	0.330
Phenol	4.04	mg/kg	0.330
Bis(2-Chloroethyl)ether	n	mg/kg	0.330
2-Chlorophenol	n	mg/kg	0.330
1,3-Dichlorobenzene	n	mg/kg	0.330
1,4-Dichlorobenzene	n	mg/kg	0.330
Benzyl alcohol	n	mg/kg	0.660
1,2-Dichlorobenzene	n	mg/kg	0.330
2-Methylphenol	n	mg/kg	0.330
Bis(2-Chloroisopropyl)ethe	n	mg/kg	0.330
3+4-Methylphenol	n	mg/kg	0.330
N-Nitroso-di-n-propylamine	n	mg/kg	0.330
Hexachloroethane	n	mg/kg	0.330
Nitrobenzene	n	mg/kg	0.330
Isophorone	n	mg/kg	0.330
2-Nitrophenol	n	mg/kg	1.60
2,4-Dimethylphenol	n	mg/kg	0.330
Bis(2-Chloroethoxy)metha	n	mg/kg	0.330
2,4-Dichlorophenol	n	mg/kg	0.330
1,2,4-Trichlorobenzene	n	mg/kg	0.330
Naphthalene	n	mg/kg	0.330
4-Chloroaniline	n	mg/kg	0.660
Hexachlorobutadiene	n	mg/kg	0.330
4-Chloro-3-methylphenol	n	mg/kg	0.330
2-Methylnaphthalene	n	mg/kg	0.330
Hexachlorocyclopentadien	n	mg/kg	1.60
2,4,6-Trichlorophenol	n	mg/kg	0.330
2,4,5-Trichlorophenol	n	mg/kg	0.330
2-Chloronaphthalene	n	mg/kg	0.330
2-Nitroaniline	n	mg/kg	1.60
Dimethylphthalate	n	mg/kg	0.330
Acenaphthylene	n	mg/kg	0.330
2,6-Dinitrotoluene	n	mg/kg	0.330
3-Nitroaniline	n	mg/kg	1.60
Acenaphthene	n	mg/kg	0.330
2,4-Dinitrophenol	n	mg/kg	1.60
Dibenzofuran	n	mg/kg	0.330
4-Nitrophenol	n	mg/kg	1.60
2,4-Dinitrotoluene	n	mg/kg	0.330

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-4

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Fluorene	n	mg/kg	0.330
Diethyphthalate	n	mg/kg	0.330
4-Chlorophenyl-phenylethe	n	mg/kg	0.330
4-Nitroaniline	n	mg/kg	1.60
4,6-Dinitro-2-methylphenol	n	mg/kg	1.60
N-Nitrosodiphenylamine	n	mg/kg	0.330
4-Bromophenyl-phenyl eth	n	mg/kg	0.330
Hexachlorobenzene	n	mg/kg	0.330
Pentachlorophenol	n	mg/kg	0.330
Phenanthrene	n	mg/kg	0.330
Anthracene	n	mg/kg	0.330
Di-n-Butyphthalate	n	mg/kg	0.330
Fluoranthene	n	mg/kg	0.330
Benzidine	n	mg/kg	1.60
Pyrene	n	mg/kg	0.330
Butylbenzylphthalate	n	mg/kg	0.330
Benzo(a)anthracene	n	mg/kg	0.330
Bis-(2-Ethylhexyl)phthalate	n	mg/kg	0.330
Chrysene	n	mg/kg	0.330
Di-n-Octylphthalate	n	mg/kg	0.330
Benzo(b)Fluoranthene	n	mg/kg	0.330
Benzo(k)Fluoranthene	n	mg/kg	0.330
Benzo(a)Pyrene	n	mg/kg	0.330
Indeno(1,2,3-cd)Pyrene	n	mg/kg	0.330
Dibenzo(a,h)Anthracene	n	mg/kg	0.330
Benzo(g,h,I)Perylene	n	mg/kg	0.330
SURROGATES	**RECOVERY**	**%**	***CONTROL LIMITS (%)**
2-Fluorophenol	84.9	%	25-121
Phenol-d5	76.0	%	24-113
2,4,6-Tribromophenol	12.6*	%	19-122
Nitrobenzene -d5	49.1	%	23-120
2-Fluorobiphenyl	64.2	%	30-115
Terphenyl-d14	85.2	%	18-137

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.
* - surrogate out of range due to matrix effect

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-10
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/15/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/22/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-20-12		
Sample Matrix:	SOIL		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Aniline	n	mg/kg	0.330
Phenol	1.70	mg/kg	0.330
Bis(2-Chloroethyl)ether	n	mg/kg	0.330
2-Chlorophenol	n	mg/kg	0.330
1,3-Dichlorobenzene	n	mg/kg	0.330
1,4-Dichlorobenzene	n	mg/kg	0.330
Benzyl alcohol	n	mg/kg	0.660
1,2-Dichlorobenzene	n	mg/kg	0.330
2-Methylphenol	n	mg/kg	0.330
Bis(2-Chloroisopropyl)ethe	n	mg/kg	0.330
3+4-Methylphenol	n	mg/kg	0.330
N-Nitroso-di-n-propylamine	n	mg/kg	0.330
Hexachloroethane	n	mg/kg	0.330
Nitrobenzene	n	mg/kg	0.330
Isophorone	n	mg/kg	0.330
2-Nitrophenol	n	mg/kg	1.60
2,4-Dimethylphenol	n	mg/kg	0.330
Bis(2-Chloroethoxy)metha	n	mg/kg	0.330
2,4-Dichlorophenol	n	mg/kg	0.330
1,2,4-Trichlorobenzene	n	mg/kg	0.330
Naphthalene	n	mg/kg	0.330
4-Chloroaniline	n	mg/kg	0.660
Hexachlorobutadiene	n	mg/kg	0.330
4-Chloro-3-methylphenol	n	mg/kg	0.330
2-Methylnaphthalene	n	mg/kg	0.330
Hexachlorocyclopentadien	n	mg/kg	1.60
2,4,6-Trichlorophenol	n	mg/kg	0.330
2,4,5-Trichlorophenol	n	mg/kg	0.330
2-Chloronaphthalene	n	mg/kg	0.330
2-Nitroaniline	n	mg/kg	1.60
Dimethylphthalate	n	mg/kg	0.330
Acenaphthylene	n	mg/kg	0.330
2,6-Dinitrotoluene	n	mg/kg	0.330
3-Nitroaniline	n	mg/kg	1.60
Acenaphthene	n	mg/kg	0.330
2,4-Dinitrophenol	n	mg/kg	1.60
Dibenzofuran	n	mg/kg	0.330
4-Nitrophenol	n	mg/kg	1.60
2,4-Dinitrotoluene	n	mg/kg	0.330

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-10

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Fluorene	n	mg/kg	0.330
Diethyphthalate	n	mg/kg	0.330
4-Chlorophenyl-phenylethe	n	mg/kg	0.330
4-Nitroaniline	n	mg/kg	1.60
4,6-Dinitro-2-methylphenol	n	mg/kg	1.60
N-Nitrosodiphenylamine	n	mg/kg	0.330
4-Bromophenyl-phenyl eth	n	mg/kg	0.330
Hexachlorobenzene	n	mg/kg	0.330
Pentachlorophenol	n	mg/kg	0.330
Phenanthrene	n	mg/kg	0.330
Anthracene	n	mg/kg	0.330
Di-n-Butyphthalate	n	mg/kg	0.330
Fluoranthene	n	mg/kg	0.330
Benzidine	n	mg/kg	1.60
Pyrene	n	mg/kg	0.330
Butylbenzylphthalate	n	mg/kg	0.330
Benzo(a)anthracene	n	mg/kg	0.330
Bis-(2-Ethylhexyl)phthalate	n	mg/kg	0.330
Chrysene	n	mg/kg	0.330
Di-n-Octylphthalate	n	mg/kg	0.330
Benzo(b)Fluoranthene	n	mg/kg	0.330
Benzo(k)Fluoranthene	n	mg/kg	0.330
Benzo(a)Pyrene	n	mg/kg	0.330
Indeno(1,2,3-cd)Pyrene	n	mg/kg	0.330
Dibenzo(a,h)Anthracene	n	mg/kg	0.330
Benzo(g,h,I)Perylene	n	mg/kg	0.330
SURROGATES	**RECOVERY**	**%**	***CONTROL LIMITS (%)**
2-Fluorophenol	94.2	%	25-121
Phenol-d5	84.4	%	24-113
2,4,6-Tribromophenol	83.0	%	19-122
Nitrobenzene -d5	58.2	%	23-120
2-Fluorobiphenyl	57.5	%	30-115
Terphenyl-d14	75.4	%	18-137

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-14
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/15/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/22/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-19-5		
Sample Matrix:	SOIL		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Aniline	n	mg/kg	0.330
Phenol	1.83	mg/kg	0.330
Bis(2-Chloroethyl)ether	n	mg/kg	0.330
2-Chlorophenol	n	mg/kg	0.330
1,3-Dichlorobenzene	n	mg/kg	0.330
1,4-Dichlorobenzene	n	mg/kg	0.330
Benzyl alcohol	n	mg/kg	0.660
1,2-Dichlorobenzene	n	mg/kg	0.330
2-Methylphenol	n	mg/kg	0.330
Bis(2-Chloroisopropyl)ethe	n	mg/kg	0.330
3+4-Methylphenol	n	mg/kg	0.330
N-Nitroso-di-n-propylamine	n	mg/kg	0.330
Hexachloroethane	n	mg/kg	0.330
Nitrobenzene	n	mg/kg	0.330
Isophorone	n	mg/kg	0.330
2-Nitrophenol	n	mg/kg	1.60
2,4-Dimethylphenol	n	mg/kg	0.330
Bis(2-Chloroethoxy)metha	n	mg/kg	0.330
2,4-Dichlorophenol	n	mg/kg	0.330
1,2,4-Trichlorobenzene	n	mg/kg	0.330
Naphthalene	n	mg/kg	0.330
4-Chloroaniline	n	mg/kg	0.660
Hexachlorobutadiene	n	mg/kg	0.330
4-Chloro-3-methylphenol	n	mg/kg	0.330
2-Methylnaphthalene	n	mg/kg	0.330
Hexachlorocyclopentadien	n	mg/kg	1.60
2,4,6-Trichlorophenol	n	mg/kg	0.330
2,4,5-Trichlorophenol	n	mg/kg	0.330
2-Chloronaphthalene	n	mg/kg	0.330
2-Nitroaniline	n	mg/kg	1.60
Dimethylphthalate	n	mg/kg	0.330
Acenaphthylene	n	mg/kg	0.330
2,6-Dinitrotoluene	n	mg/kg	0.330
3-Nitroaniline	n	mg/kg	1.60
Acenaphthene	n	mg/kg	0.330
2,4-Dinitrophenol	n	mg/kg	1.60
Dibenzofuran	n	mg/kg	0.330
4-Nitrophenol	n	mg/kg	1.60
2,4-Dinitrotoluene	n	mg/kg	0.330

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-14

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Fluorene	n	mg/kg	0.330
Diethyphthalate	n	mg/kg	0.330
4-Chlorophenyl-phenylethe	n	mg/kg	0.330
4-Nitroaniline	n	mg/kg	1.60
4,6-Dinitro-2-methylphenol	n	mg/kg	1.60
N-Nitrosodiphenylamine	n	mg/kg	0.330
4-Bromophenyl-phenyl eth	n	mg/kg	0.330
Hexachlorobenzene	n	mg/kg	0.330
Pentachlorophenol	n	mg/kg	0.330
Phenanthrene	n	mg/kg	0.330
Anthracene	n	mg/kg	0.330
Di-n-Butyphthalate	n	mg/kg	0.330
Fluoranthene	n	mg/kg	0.330
Benzidine	n	mg/kg	1.60
Pyrene	n	mg/kg	0.330
Butylbenzylphthalate	n	mg/kg	0.330
Benzo(a)anthracene	n	mg/kg	0.330
Bis-(2-Ethylhexyl)phthalate	n	mg/kg	0.330
Chrysene	n	mg/kg	0.330
Di-n-Octylphthalate	n	mg/kg	0.330
Benzo(b)Fluoranthene	n	mg/kg	0.330
Benzo(k)Fluoranthene	n	mg/kg	0.330
Benzo(a)Pyrene	n	mg/kg	0.330
Indeno(1,2,3-cd)Pyrene	n	mg/kg	0.330
Dibenzo(a,h)Anthracene	n	mg/kg	0.330
Benzo(g,h,i)Perylene	n	mg/kg	0.330
SURROGATES	**RECOVERY**	**%**	***CONTROL LIMITS (%)**
2-Fluorophenol	101	%	25-121
Phenol-d5	96.3	%	24-113
2,4,6-Tribromophenol	98.6	%	19-122
Nitrobenzene -d5	69.8	%	23-120
2-Fluorobiphenyl	78.9	%	30-115
Terphenyl-d14	92.4	%	18-137

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-15
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/15/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/22/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-19-8		
Sample Matrix:	SOIL		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Aniline	n	mg/kg	0.330
Phenol	5.27	mg/kg	0.330
Bis(2-Chloroethyl)ether	n	mg/kg	0.330
2-Chlorophenol	n	mg/kg	0.330
1,3-Dichlorobenzene	n	mg/kg	0.330
1,4-Dichlorobenzene	n	mg/kg	0.330
Benzyl alcohol	n	mg/kg	0.660
1,2-Dichlorobenzene	n	mg/kg	0.330
2-Methylphenol	n	mg/kg	0.330
Bis(2-Chloroisopropyl)ethe	n	mg/kg	0.330
3+4-Methylphenol	n	mg/kg	0.330
N-Nitroso-di-n-propylamine	n	mg/kg	0.330
Hexachloroethane	n	mg/kg	0.330
Nitrobenzene	n	mg/kg	0.330
Isophorone	n	mg/kg	0.330
2-Nitrophenol	n	mg/kg	1.60
2,4-Dimethylphenol	n	mg/kg	0.330
Bis(2-Chloroethoxy)metha	n	mg/kg	0.330
2,4-Dichlorophenol	n	mg/kg	0.330
1,2,4-Trichlorobenzene	n	mg/kg	0.330
Naphthalene	n	mg/kg	0.330
4-Chloroaniline	n	mg/kg	0.660
Hexachlorobutadiene	n	mg/kg	0.330
4-Chloro-3-methylphenol	n	mg/kg	0.330
2-Methylnaphthalene	n	mg/kg	0.330
Hexachlorocyclopentadien	n	mg/kg	1.60
2,4,6-Trichlorophenol	n	mg/kg	0.330
2,4,5-Trichlorophenol	n	mg/kg	0.330
2-Chloronaphthalene	n	mg/kg	0.330
2-Nitroaniline	n	mg/kg	1.60
Dimethylphthalate	n	mg/kg	0.330
Acenaphthylene	n	mg/kg	0.330
2,6-Dinitrotoluene	n	mg/kg	0.330
3-Nitroaniline	n	mg/kg	1.60
Acenaphthene	n	mg/kg	0.330
2,4-Dinitrophenol	n	mg/kg	1.60
Dibenzofuran	n	mg/kg	0.330
4-Nitrophenol	n	mg/kg	1.60
2,4-Dinitrotoluene	n	mg/kg	0.330

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-15

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Fluorene	n	mg/kg	0.330
Diethyphthalate	n	mg/kg	0.330
4-Chlorophenyl-phenylethe	n	mg/kg	0.330
4-Nitroaniline	n	mg/kg	1.60
4,6-Dinitro-2-methylphenol	n	mg/kg	1.60
N-Nitrosodiphenylamine	n	mg/kg	0.330
4-Bromophenyl-phenyl eth	n	mg/kg	0.330
Hexachlorobenzene	n	mg/kg	0.330
Pentachlorophenol	n	mg/kg	0.330
Phenanthrene	n	mg/kg	0.330
Anthracene	n	mg/kg	0.330
Di-n-Butyphthalate	n	mg/kg	0.330
Fluoranthene	n	mg/kg	0.330
Benzidine	n	mg/kg	1.60
Pyrene	n	mg/kg	0.330
Butylbenzylphthalate	n	mg/kg	0.330
Benzo(a)anthracene	n	mg/kg	0.330
Bis-(2-Ethylhexyl)phthalate	n	mg/kg	0.330
Chrysene	n	mg/kg	0.330
Di-n-Octylphthalate	n	mg/kg	0.330
Benzo(b)Fluoranthene	n	mg/kg	0.330
Benzo(k)Fluoranthene	n	mg/kg	0.330
Benzo(a)Pyrene	n	mg/kg	0.330
Indeno(1,2,3-cd)Pyrene	n	mg/kg	0.330
Dibenzo(a,h)Anthracene	n	mg/kg	0.330
Benzo(g,h,I)Perylene	n	mg/kg	0.330
SURROGATES	**RECOVERY**	**%**	***CONTROL LIMITS (%)**
2-Fluorophenol	107	%	25-121
Phenol-d5	90.4	%	24-113
2,4,6-Tribromophenol	83.0	%	19-122
Nitrobenzene -d5	69.0	%	23-120
2-Fluorobiphenyl	75.7	%	30-115
Terphenyl-d14	82.6	%	18-137

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-20
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/15/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/22/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-18-8		
Sample Matrix:	SOIL		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Aniline	n	mg/kg	0.330
Phenol	0.96	mg/kg	0.330
Bis(2-Chloroethyl)ether	n	mg/kg	0.330
2-Chlorophenol	n	mg/kg	0.330
1,3-Dichlorobenzene	n	mg/kg	0.330
1,4-Dichlorobenzene	n	mg/kg	0.330
Benzyl alcohol	n	mg/kg	0.660
1,2-Dichlorobenzene	n	mg/kg	0.330
2-Methylphenol	n	mg/kg	0.330
Bis(2-Chloroisopropyl)ethe	n	mg/kg	0.330
3+4-Methylphenol	n	mg/kg	0.330
N-Nitroso-di-n-propylamine	n	mg/kg	0.330
Hexachloroethane	n	mg/kg	0.330
Nitrobenzene	n	mg/kg	0.330
Isophorone	n	mg/kg	0.330
2-Nitrophenol	n	mg/kg	1.60
2,4-Dimethylphenol	n	mg/kg	0.330
Bis(2-Chloroethoxy)metha	n	mg/kg	0.330
2,4-Dichlorophenol	n	mg/kg	0.330
1,2,4-Trichlorobenzene	n	mg/kg	0.330
Naphthalene	n	mg/kg	0.330
4-Chloroaniline	n	mg/kg	0.660
Hexachlorobutadiene	n	mg/kg	0.330
4-Chloro-3-methylphenol	n	mg/kg	0.330
2-Methylnaphthalene	n	mg/kg	0.330
Hexachlorocyclopentadien	n	mg/kg	1.60
2,4,6-Trichlorophenol	n	mg/kg	0.330
2,4,5-Trichlorophenol	n	mg/kg	0.330
2-Chloronaphthalene	n	mg/kg	0.330
2-Nitroaniline	n	mg/kg	1.60
Dimethylphthalate	n	mg/kg	0.330
Acenaphthylene	n	mg/kg	0.330
2,6-Dinitrotoluene	n	mg/kg	0.330
3-Nitroaniline	n	mg/kg	1.60
Acenaphthene	n	mg/kg	0.330
2,4-Dinitrophenol	n	mg/kg	1.60
Dibenzofuran	n	mg/kg	0.330
4-Nitrophenol	n	mg/kg	1.60
2,4-Dinitrotoluene	n	mg/kg	0.330

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-20

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Fluorene	n	mg/kg	0.330
Diethyphthalate	n	mg/kg	0.330
4-Chlorophenyl-phenylethe	n	mg/kg	0.330
4-Nitroaniline	n	mg/kg	1.60
4,6-Dinitro-2-methylphenol	n	mg/kg	1.60
N-Nitrosodiphenylamine	n	mg/kg	0.330
4-Bromophenyl-phenyl eth	n	mg/kg	0.330
Hexachlorobenzene	n	mg/kg	0.330
Pentachlorophenol	n	mg/kg	0.330
Phenanthrene	n	mg/kg	0.330
Anthracene	n	mg/kg	0.330
Di-n-Butyphthalate	n	mg/kg	0.330
Fluoranthene	n	mg/kg	0.330
Benzidine	n	mg/kg	1.60
Pyrene	n	mg/kg	0.330
Butylbenzylphthalate	n	mg/kg	0.330
Benzo(a)anthracene	n	mg/kg	0.330
Bis-(2-Ethylhexyl)phthalate	n	mg/kg	0.330
Chrysene	n	mg/kg	0.330
Di-n-Octylphthalate	n	mg/kg	0.330
Benzo(b)Fluoranthene	n	mg/kg	0.330
Benzo(k)Fluoranthene	n	mg/kg	0.330
Benzo(a)Pyrene	n	mg/kg	0.330
Indeno(1,2,3-cd)Pyrene	n	mg/kg	0.330
Dibenzo(a,h)Anthracene	n	mg/kg	0.330
Benzo(g,h,I)Perylene	n	mg/kg	0.330
SURROGATES	**RECOVERY**	**%**	***CONTROL LIMITS (%)**
2-Fluorophenol	71.2	%	25-121
Phenol-d5	61.9	%	24-113
2,4,6-Tribromophenol	78.8	%	19-122
Nitrobenzene -d5	43.2	%	23-120
2-Fluorobiphenyl	54.5	%	30-115
Terphenyl-d14	75.5	%	18-137

Comments:
Califomia D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-24
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/15/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/22/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-14-5		
Sample Matrix:	SOIL		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Aniline	n	mg/kg	0.330
Phenol	1.89	mg/kg	0.330
Bis(2-Chloroethyl)ether	n	mg/kg	0.330
2-Chlorophenol	n	mg/kg	0.330
1,3-Dichlorobenzene	n	mg/kg	0.330
1,4-Dichlorobenzene	n	mg/kg	0.330
Benzyl alcohol	n	mg/kg	0.660
1,2-Dichlorobenzene	n	mg/kg	0.330
2-Methylphenol	n	mg/kg	0.330
Bis(2-Chloroisopropyl)ethe	n	mg/kg	0.330
3+4-Methylphenol	n	mg/kg	0.330
N-Nitroso-di-n-propylamine	n	mg/kg	0.330
Hexachloroethane	n	mg/kg	0.330
Nitrobenzene	n	mg/kg	0.330
Isophorone	n	mg/kg	0.330
2-Nitrophenol	n	mg/kg	1.60
2,4-Dimethylphenol	n	mg/kg	0.330
Bis(2-Chloroethoxy)metha	n	mg/kg	0.330
2,4-Dichlorophenol	n	mg/kg	0.330
1,2,4-Trichlorobenzene	n	mg/kg	0.330
Naphthalene	n	mg/kg	0.330
4-Chloroaniline	n	mg/kg	0.660
Hexachlorobutadiene	n	mg/kg	0.330
4-Chloro-3-methylphenol	n	mg/kg	0.330
2-Methylnaphthalene	n	mg/kg	0.330
Hexachlorocyclopentadien	n	mg/kg	1.60
2,4,6-Trichlorophenol	n	mg/kg	0.330
2,4,5-Trichlorophenol	n	mg/kg	0.330
2-Chloronaphthalene	n	mg/kg	0.330
2-Nitroaniline	n	mg/kg	1.60
Dimethylphthalate	n	mg/kg	0.330
Acenaphthylene	n	mg/kg	0.330
2,6-Dinitrotoluene	n	mg/kg	0.330
3-Nitroaniline	n	mg/kg	1.60
Acenaphthene	n	mg/kg	0.330
2,4-Dinitrophenol	n	mg/kg	1.60
Dibenzofuran	n	mg/kg	0.330
4-Nitrophenol	n	mg/kg	1.60
2,4-Dinitrotoluene	n	mg/kg	0.330

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Report To: P.S.I. ***Lab Number:*** 0201289-24

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Fluorene	n	mg/kg	0.330
Diethyphthalate	n	mg/kg	0.330
4-Chlorophenyl-phenylethe	n	mg/kg	0.330
4-Nitroaniline	n	mg/kg	1.60
4,6-Dinitro-2-methylphenol	n	mg/kg	1.60
N-Nitrosodiphenylamine	n	mg/kg	0.330
4-Bromophenyl-phenyl eth	n	mg/kg	0.330
Hexachlorobenzene	n	mg/kg	0.330
Pentachlorophenol	n	mg/kg	0.330
Phenanthrene	n	mg/kg	0.330
Anthracene	n	mg/kg	0.330
Di-n-Butyphthalate	n	mg/kg	0.330
Fluoranthene	n	mg/kg	0.330
Benzidine	n	mg/kg	1.60
Pyrene	n	mg/kg	0.330
Butylbenzylphthalate	n	mg/kg	0.330
Benzo(a)anthracene	n	mg/kg	0.330
Bis-(2-Ethylhexyl)phthalate	n	mg/kg	0.330
Chrysene	n	mg/kg	0.330
Di-n-Octylphthalate	n	mg/kg	0.330
Benzo(b)Fluoranthene	n	mg/kg	0.330
Benzo(k)Fluoranthene	n	mg/kg	0.330
Benzo(a)Pyrene	n	mg/kg	0.330
Indeno(1,2,3-cd)Pyrene	n	mg/kg	0.330
Dibenzo(a,h)Anthracene	n	mg/kg	0.330
Benzo(g,h,I)Perylene	n	mg/kg	0.330
SURROGATES	**RECOVERY**	**%**	***CONTROL LIMITS (%)**
2-Fluorophenol	82.5	%	25-121
Phenol-d5	68.3	%	24-113
2,4,6-Tribromophenol	76.4	%	19-122
Nitrobenzene -d5	49.8	%	23-120
2-Fluorobiphenyl	58.8	%	30-115
Terphenyl-d14	60.8	%	18-137

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-25
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/15/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/22/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-14-8		
Sample Matrix:	SOIL		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Aniline	n	mg/kg	0.330
Phenol	3.85	mg/kg	0.330
Bis(2-Chloroethyl)ether	n	mg/kg	0.330
2-Chlorophenol	n	mg/kg	0.330
1,3-Dichlorobenzene	n	mg/kg	0.330
1,4-Dichlorobenzene	n	mg/kg	0.330
Benzyl alcohol	n	mg/kg	0.660
1,2-Dichlorobenzene	n	mg/kg	0.330
2-Methylphenol	n	mg/kg	0.330
Bis(2-Chloroisopropyl)ethe	n	mg/kg	0.330
3+4-Methylphenol	n	mg/kg	0.330
N-Nitroso-di-n-propylamine	n	mg/kg	0.330
Hexachloroethane	n	mg/kg	0.330
Nitrobenzene	n	mg/kg	0.330
Isophorone	n	mg/kg	0.330
2-Nitrophenol	n	mg/kg	1.60
2,4-Dimethylphenol	n	mg/kg	0.330
Bis(2-Chloroethoxy)metha	n	mg/kg	0.330
2,4-Dichlorophenol	n	mg/kg	0.330
1,2,4-Trichlorobenzene	n	mg/kg	0.330
Naphthalene	n	mg/kg	0.330
4-Chloroaniline	n	mg/kg	0.660
Hexachlorobutadiene	n	mg/kg	0.330
4-Chloro-3-methylphenol	n	mg/kg	0.330
2-Methylnaphthalene	n	mg/kg	0.330
Hexachlorocyclopentadien	n	mg/kg	1.60
2,4,6-Trichlorophenol	n	mg/kg	0.330
2,4,5-Trichlorophenol	n	mg/kg	0.330
2-Chloronaphthalene	n	mg/kg	0.330
2-Nitroaniline	n	mg/kg	1.60
Dimethylphthalate	n	mg/kg	0.330
Acenaphthylene	n	mg/kg	0.330
2,6-Dinitrotoluene	n	mg/kg	0.330
3-Nitroaniline	n	mg/kg	1.60
Acenaphthene	n	mg/kg	0.330
2,4-Dinitrophenol	n	mg/kg	1.60
Dibenzofuran	n	mg/kg	0.330
4-Nitrophenol	n	mg/kg	1.60
2,4-Dinitrotoluene	n	mg/kg	0.330

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-25

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Fluorene	n	mg/kg	0.330
Diethyphthalate	n	mg/kg	0.330
4-Chlorophenyl-phenylethe	n	mg/kg	0.330
4-Nitroaniline	n	mg/kg	1.60
4,6-Dinitro-2-methylphenol	n	mg/kg	1.60
N-Nitrosodiphenylamine	n	mg/kg	0.330
4-Bromophenyl-phenyl eth	n	mg/kg	0.330
Hexachlorobenzene	n	mg/kg	0.330
Pentachlorophenol	n	mg/kg	0.330
Phenanthrene	n	mg/kg	0.330
Anthracene	n	mg/kg	0.330
Di-n-Butyphthalate	n	mg/kg	0.330
Fluoranthene	n	mg/kg	0.330
Benzidine	n	mg/kg	1.60
Pyrene	n	mg/kg	0.330
Butylbenzylphthalate	n	mg/kg	0.330
Benzo(a)anthracene	n	mg/kg	0.330
Bis-(2-Ethylhexyl)phthalate	n	mg/kg	0.330
Chrysene	n	mg/kg	0.330
Di-n-Octylphthalate	n	mg/kg	0.330
Benzo(b)Fluoranthene	n	mg/kg	0.330
Benzo(k)Fluoranthene	n	mg/kg	0.330
Benzo(a)Pyrene	n	mg/kg	0.330
Indeno(1,2,3-cd)Pyrene	n	mg/kg	0.330
Dibenzo(a,h)Anthracene	n	mg/kg	0.330
Benzo(g,h,i)Perylene	n	mg/kg	0.330
SURROGATES	**RECOVERY**	**%**	***CONTROL LIMITS (%)**
2-Fluorophenol	103	%	25-121
Phenol-d5	69.2	%	24-113
2,4,6-Tribromophenol	29.4	%	19-122
Nitrobenzene -d5	63.5	%	23-120
2-Fluorobiphenyl	64.0	%	30-115
Terphenyl-d14	82.7	%	18-137

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-28
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/15/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/22/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-16-2		
Sample Matrix:	SOIL		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Aniline	n	mg/kg	0.330
Phenol	n	mg/kg	0.330
Bis(2-Chloroethyl)ether	n	mg/kg	0.330
2-Chlorophenol	n	mg/kg	0.330
1,3-Dichlorobenzene	n	mg/kg	0.330
1,4-Dichlorobenzene	n	mg/kg	0.330
Benzyl alcohol	n	mg/kg	0.660
1,2-Dichlorobenzene	n	mg/kg	0.330
2-Methylphenol	n	mg/kg	0.330
Bis(2-Chloroisopropyl)ethe	n	mg/kg	0.330
3+4-Methylphenol	n	mg/kg	0.330
N-Nitroso-di-n-propylamine	n	mg/kg	0.330
Hexachloroethane	n	mg/kg	0.330
Nitrobenzene	n	mg/kg	0.330
Isophorone	n	mg/kg	0.330
2-Nitrophenol	n	mg/kg	1.60
2,4-Dimethylphenol	n	mg/kg	0.330
Bis(2-Chloroethoxy)metha	n	mg/kg	0.330
2,4-Dichlorophenol	n	mg/kg	0.330
1,2,4-Trichlorobenzene	n	mg/kg	0.330
Naphthalene	n	mg/kg	0.330
4-Chloroaniline	n	mg/kg	0.660
Hexachlorobutadiene	n	mg/kg	0.330
4-Chloro-3-methylphenol	n	mg/kg	0.330
2-Methylnaphthalene	n	mg/kg	0.330
Hexachlorocyclopentadien	n	mg/kg	1.60
2,4,6-Trichlorophenol	n	mg/kg	0.330
2,4,5-Trichlorophenol	n	mg/kg	0.330
2-Chloronaphthalene	n	mg/kg	0.330
2-Nitroaniline	n	mg/kg	1.60
Dimethylphthalate	n	mg/kg	0.330
Acenaphthylene	n	mg/kg	0.330
2,6-Dinitrotoluene	n	mg/kg	0.330
3-Nitroaniline	n	mg/kg	1.60
Acenaphthene	n	mg/kg	0.330
2,4-Dinitrophenol	n	mg/kg	1.60
Dibenzofuran	n	mg/kg	0.330
4-Nitrophenol	n	mg/kg	1.60
2,4-Dinitrotoluene	n	mg/kg	0.330

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-28

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Fluorene	n	mg/kg	0.330
Diethyphthalate	n	mg/kg	0.330
4-Chlorophenyl-phenylethe	n	mg/kg	0.330
4-Nitroaniline	n	mg/kg	1.60
4,6-Dinitro-2-methylphenol	n	mg/kg	1.60
N-Nitrosodiphenylamine	n	mg/kg	0.330
4-Bromophenyl-phenyl eth	n	mg/kg	0.330
Hexachlorobenzene	n	mg/kg	0.330
Pentachlorophenol	n	mg/kg	0.330
Phenanthrene	n	mg/kg	0.330
Anthracene	n	mg/kg	0.330
Di-n-Butyphthalate	n	mg/kg	0.330
Fluoranthene	n	mg/kg	0.330
Benzidine	n	mg/kg	1.60
Pyrene	n	mg/kg	0.330
Butylbenzylphthalate	n	mg/kg	0.330
Benzo(a)anthracene	n	mg/kg	0.330
Bis-(2-Ethylhexyl)phthalate	n	mg/kg	0.330
Chrysene	n	mg/kg	0.330
Di-n-Octylphthalate	n	mg/kg	0.330
Benzo(b)Fluoranthene	n	mg/kg	0.330
Benzo(k)Fluoranthene	n	mg/kg	0.330
Benzo(a)Pyrene	n	mg/kg	0.330
Indeno(1,2,3-cd)Pyrene	n	mg/kg	0.330
Dibenzo(a,h)Anthracene	n	mg/kg	0.330
Benzo(g,h,I)Perylene	n	mg/kg	0.330
SURROGATES	**RECOVERY**	**%**	***CONTROL LIMITS (%)**
2-Fluorophenol	34.1	%	25-121
Phenol-d5	26.0	%	24-113
2,4,6-Tribromophenol	9.0*	%	19-122
Nitrobenzene -d5	26.3	%	23-120
2-Fluorobiphenyl	21.9*	%	30-115
Terphenyl-d14	32.1	%	18-137

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.
* - surrogate out of range due to matrix effect

Reported By

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-29
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/15/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/22/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-16-3		
Sample Matrix:	SOIL		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Aniline	n	mg/kg	0.330
Phenol	1.34	mg/kg	0.330
Bis(2-Chloroethyl)ether	n	mg/kg	0.330
2-Chlorophenol	n	mg/kg	0.330
1,3-Dichlorobenzene	n	mg/kg	0.330
1,4-Dichlorobenzene	n	mg/kg	0.330
Benzyl alcohol	n	mg/kg	0.660
1,2-Dichlorobenzene	n	mg/kg	0.330
2-Methylphenol	n	mg/kg	0.330
Bis(2-Chloroisopropyl)ethe	n	mg/kg	0.330
3+4-Methylphenol	n	mg/kg	0.330
N-Nitroso-di-n-propylamine	n	mg/kg	0.330
Hexachloroethane	n	mg/kg	0.330
Nitrobenzene	n	mg/kg	0.330
Isophorone	n	mg/kg	0.330
2-Nitrophenol	n	mg/kg	1.60
2,4-Dimethylphenol	n	mg/kg	0.330
Bis(2-Chloroethoxy)metha	n	mg/kg	0.330
2,4-Dichlorophenol	n	mg/kg	0.330
1,2,4-Trichlorobenzene	n	mg/kg	0.330
Naphthalene	n	mg/kg	0.330
4-Chloroaniline	n	mg/kg	0.660
Hexachlorobutadiene	n	mg/kg	0.330
4-Chloro-3-methylphenol	n	mg/kg	0.330
2-Methylnaphthalene	n	mg/kg	0.330
Hexachlorocyclopentadien	n	mg/kg	1.60
2,4,6-Trichlorophenol	n	mg/kg	0.330
2,4,5-Trichlorophenol	n	mg/kg	0.330
2-Chloronaphthalene	n	mg/kg	0.330
2-Nitroaniline	n	mg/kg	1.60
Dimethylphthalate	n	mg/kg	0.330
Acenaphthylene	n	mg/kg	0.330
2,6-Dinitrotoluene	n	mg/kg	0.330
3-Nitroaniline	n	mg/kg	1.60
Acenaphthene	n	mg/kg	0.330
2,4-Dinitrophenol	n	mg/kg	1.60
Dibenzofuran	n	mg/kg	0.330
4-Nitrophenol	n	mg/kg	1.60
2,4-Dinitrotoluene	n	mg/kg	0.330

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-29

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Fluorene	n	mg/kg	0.330
Diethyphthalate	n	mg/kg	0.330
4-Chlorophenyl-phenylethe	n	mg/kg	0.330
4-Nitroaniline	n	mg/kg	1.60
4,6-Dinitro-2-methylphenol	n	mg/kg	1.60
N-Nitrosodiphenylamine	n	mg/kg	0.330
4-Bromophenyl-phenyl eth	n	mg/kg	0.330
Hexachlorobenzene	n	mg/kg	0.330
Pentachlorophenol	n	mg/kg	0.330
Phenanthrene	n	mg/kg	0.330
Anthracene	n	mg/kg	0.330
Di-n-Butyphthalate	n	mg/kg	0.330
Fluoranthene	n	mg/kg	0.330
Benzidine	n	mg/kg	1.60
Pyrene	n	mg/kg	0.330
Butylbenzylphthalate	n	mg/kg	0.330
Benzo(a)anthracene	n	mg/kg	0.330
Bis-(2-Ethylhexyl)phthalate	n	mg/kg	0.330
Chrysene	n	mg/kg	0.330
Di-n-Octylphthalate	n	mg/kg	0.330
Benzo(b)Fluoranthene	n	mg/kg	0.330
Benzo(k)Fluoranthene	n	mg/kg	0.330
Benzo(a)Pyrene	n	mg/kg	0.330
Indeno(1,2,3-cd)Pyrene	n	mg/kg	0.330
Dibenzo(a,h)Anthracene	n	mg/kg	0.330
Benzo(g,h,i)Perylene	n	mg/kg	0.330
SURROGATES	**RECOVERY**	**%**	***CONTROL LIMITS (%)**
2-Fluorophenol	95.6	%	25-121
Phenol-d5	68.5	%	24-113
2,4,6-Tribromophenol	21.2	%	19-122
Nitrobenzene -d5	64.1	%	23-120
2-Fluorobiphenyl	63.9	%	30-115
Terphenyl-d14	67.5	%	18-137

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-37
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/15/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/22/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-15-8		
Sample Matrix:	SOIL		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Aniline	n	mg/kg	0.330
Phenol	n	mg/kg	0.330
Bis(2-Chloroethyl)ether	n	mg/kg	0.330
2-Chlorophenol	n	mg/kg	0.330
1,3-Dichlorobenzene	n	mg/kg	0.330
1,4-Dichlorobenzene	n	mg/kg	0.330
Benzyl alcohol	n	mg/kg	0.660
1,2-Dichlorobenzene	n	mg/kg	0.330
2-Methylphenol	n	mg/kg	0.330
Bis(2-Chloroisopropyl)ethe	n	mg/kg	0.330
3+4-Methylphenol	n	mg/kg	0.330
N-Nitroso-di-n-propylamine	n	mg/kg	0.330
Hexachloroethane	n	mg/kg	0.330
Nitrobenzene	n	mg/kg	0.330
Isophorone	n	mg/kg	0.330
2-Nitrophenol	n	mg/kg	1.60
2,4-Dimethylphenol	n	mg/kg	0.330
Bis(2-Chloroethoxy)metha	n	mg/kg	0.330
2,4-Dichlorophenol	n	mg/kg	0.330
1,2,4-Trichlorobenzene	n	mg/kg	0.330
Naphthalene	n	mg/kg	0.330
4-Chloroaniline	n	mg/kg	0.660
Hexachlorobutadiene	n	mg/kg	0.330
4-Chloro-3-methylphenol	n	mg/kg	0.330
2-Methylnaphthalene	n	mg/kg	0.330
Hexachlorocyclopentadien	n	mg/kg	1.60
2,4,6-Trichlorophenol	n	mg/kg	0.330
2,4,5-Trichlorophenol	n	mg/kg	0.330
2-Chloronaphthalene	n	mg/kg	0.330
2-Nitroaniline	n	mg/kg	1.60
Dimethylphthalate	n	mg/kg	0.330
Acenaphthylene	n	mg/kg	0.330
2,6-Dinitrotoluene	n	mg/kg	0.330
3-Nitroaniline	n	mg/kg	1.60
Acenaphthene	n	mg/kg	0.330
2,4-Dinitrophenol	n	mg/kg	1.60
Dibenzofuran	n	mg/kg	0.330
4-Nitrophenol	n	mg/kg	1.60
2,4-Dinitrotoluene	n	mg/kg	0.330

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0201289-37
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Analyzed:***	01/22/02
Project Name:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sampling Location:			
Sample ID:	B-15-8		
Sample Matrix:	SOIL		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Acetone	n	ug/kg	50
Acrylonitrile	n	ug/kg	50
Benzene	n	ug/kg	5
Bromobenzene	n	ug/kg	5
Bromochloromethane	n	ug/kg	5
Bromodichloromethane	n	ug/kg	5
Bromoform	n	ug/kg	5
Bromomethane	n	ug/kg	5
2-Butanone (MEK)	n	ug/kg	50
n-Butylbenzene	n	ug/kg	5
sec-Butylbenzene	n	ug/kg	5
tert-Butylbenzene	n	ug/kg	5
Carbon Disulfide	n	ug/kg	5
Carbon tetrachloride	n	ug/kg	5
Chlorobenzene	n	ug/kg	5
Chloroethane	n	ug/kg	5
2-Chloroethylvinylether	n	ug/kg	5
Chloroform	n	ug/kg	5
Chloromethane	n	ug/kg	5
2-Chlorotoluene	n	ug/kg	5
4-Chlorotoluene	n	ug/kg	5
Dibromochloromethane	n	ug/kg	5
1,2-Dibromo-3-Chloropropane	n	ug/kg	5
1,2-Dibromoethane	n	ug/kg	5
Dibromomethane	n	ug/kg	5
1,2-Dichlorobenzene	n	ug/kg	5
1,3-Dichlorobenzene	n	ug/kg	5
1,4-Dichlorobenzene	n	ug/kg	5
Dichlorodifluoromethane	n	ug/kg	5
1,1-Dichloroethane	n	ug/kg	5
1,2-Dichloroethane	n	ug/kg	5
1,1-Dichloroethene	n	ug/kg	5
cis-1,2-Dichloroethene	n	ug/kg	5
trans-1,2-Dichloroethene	n	ug/kg	5
1,2-Dichloropropane	n	ug/kg	5

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0201289-37

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/kg	5
2,2-Dichloropropane	n	ug/kg	5
1,1-Dichloropropene	n	ug/kg	5
cis-1,3-Dichloropropene	n	ug/kg	5
trans-1,3-Dichloropropene	n	ug/kg	5
1,4-Dioxane	n	ug/kg	250
Ethyl Benzene	n	ug/kg	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/kg	5
Hexachlorobutadiene	n	ug/kg	5
2-Hexanone (MBK)	n	ug/kg	50
Isopropylbenzene	n	ug/kg	5
Di-Isopropyl Ether (DIPE)	n	ug/kg	5
p-Isopropyltoluene	n	ug/kg	5
4-Methyl-2-Pentanone (MIBK)	n	ug/kg	50
Methylene Chloride	n	ug/kg	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/kg	5
Napthalene	n	ug/kg	5
n-Propylbenzene	n	ug/kg	5
Styrene	n	ug/kg	5
Tert-Amyl Methyl Ether (TAME)	n	ug/kg	5
1,1,1,2-Tetrachloroethane	n	ug/kg	5
1,1,2,2-Tetrachloroethane	n	ug/kg	5
Tetrachloroethene	n	ug/kg	5
Tetrahydrofuran	n	ug/kg	50
Toluene	n	ug/kg	5
1,2,3-Trichlorobenzene	n	ug/kg	5
1,2,4-Trichlorobenzene	n	ug/kg	5
1,1,1-Trichloroethane	n	ug/kg	5
1,1,2-Trichloroethane	n	ug/kg	5
Trichloroethene	n	ug/kg	5
1,1,2-Trichlorotrifluoroethane	n	ug/kg	5
Trichlorofluoromethane	n	ug/kg	5
1,2,3-Trichloropropane	n	ug/kg	5
1,2,4-Trimethylbenzene	n	ug/kg	5
1,3,5-Trimethylbenzene	n	ug/kg	5
Vinyl Acetate	n	ug/kg	5
Vinyl Chloride	n	ug/kg	5
Total Xylenes	n	ug/kg	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	49.6	%	11-185
Toluene-d8	77.3	%	19-168
4-Bromofluorobenzene	71.4	%	39-128

Comments:
Caifornia D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0201289-11
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
	575-1G055	***Date Analyzed:***	01/19/02
Project Number:	CAL TRANS - OAKLAND	***Date Reported:***	01/31/02
Sampling Location:			
Sample ID:	B-20-W		
Sample Matrix:	WATER		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Acetone	n	ug/l	5
Acrylonitrile	n	ug/l	5
Benzene	n	ug/l	0.5
Bromobenzene	n	ug/l	0.5
Bromochloromethane	n	ug/l	0.5
Bromodichloromethane	n	ug/l	0.5
Bromoform	n	ug/l	0.5
Bromomethane	n	ug/l	0.5
2-Butanone (MEK)	n	ug/l	5
n-Butylbenzene	n	ug/l	0.5
sec-Butylbenzene	n	ug/l	0.5
tert-Butylbenzene	n	ug/l	0.5
Carbon Disulfide	n	ug/l	0.5
Carbon tetrachloride	n	ug/l	0.5
Chlorobenzene	n	ug/l	0.5
Chloroethane	n	ug/l	0.5
2-Chloroethylvinylether	n	ug/l	0.5
Chloroform	n	ug/l	0.5
Chloromethane	n	ug/l	0.5
2-Chlorotoluene	n	ug/l	0.5
4-Chlorotoluene	n	ug/l	0.5
Dibromochloromethane	n	ug/l	0.5
1,2-Dibromo-3-Chloropropane	n	ug/l	0.5
1,2-Dibromoethane	n	ug/l	0.5
Dibromomethane	n	ug/l	0.5
1,2-Dichlorobenzene	n	ug/l	0.5
1,3-Dichlorobenzene	n	ug/l	0.5
1,4-Dichlorobenzene	n	ug/l	0.5
Dichlorodifluoromethane	n	ug/l	0.5
1,1-Dichloroethane	n	ug/l	0.5
1,2-Dichloroethane	n	ug/l	0.5
1,1-Dichloroethene	n	ug/l	0.5
cis-1,2-Dichloroethene	n	ug/l	0.5
trans-1,2-Dichloroethene	n	ug/l	0.5
1,2-Dichloropropane	n	ug/l	0.5

EPA METHOD 8260

Report To: P.S.I. **Lab Number:** 0201289-11

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/l	0.5
2,2-Dichloropropane	n	ug/l	0.5
1,1-Dichloropropene	n	ug/l	0.5
cis-1,3-Dichloropropene	n	ug/l	0.5
trans-1,3-Dichloropropene	n	ug/l	0.5
1,4-Dioxane	n	ug/l	25
Ethyl Benzene	n	ug/l	0.5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/l	0.5
Hexachlorobutadiene	n	ug/l	0.5
2-Hexanone (MBK)	n	ug/l	5
Isopropylbenzene	n	ug/l	0.5
Di-Isopropyl Ether (DIPE)	n	ug/l	0.5
p-Isopropyltoluene	n	ug/l	0.5
4-Methyl-2-Pentanone (MIBK)	n	ug/l	5
Methylene Chloride	n	ug/l	1
Methyl Tert-Butyl Ether (MTBE)	n	ug/l	0.5
Napthalene	n	ug/l	0.5
n-Propylbenzene	n	ug/l	0.5
Styrene	n	ug/l	0.5
Tert-Amyl Methyl Ether (TAME)	n	ug/l	0.5
tert - Butanol (TBA)	n	ug/l	50
1,1,1,2-Tetrachloroethane	n	ug/l	0.5
1,1,2,2-Tetrachloroethane	n	ug/l	0.5
Tetrachloroethene	n	ug/l	0.5
Tetrahydrofuran	n	ug/l	5
Toluene	n	ug/l	0.5
1,2,3-Trichlorobenzene	n	ug/l	0.5
1,2,4-Trichlorobenzene	n	ug/l	0.5
1,1,1-Trichloroethane	n	ug/l	0.5
1,1,2-Trichloroethane	n	ug/l	0.5
Trichloroethene	n	ug/l	0.5
1,1,2-Trichlorotrifluoroethane	n	ug/l	0.5
Trichlorofluoromethane	n	ug/l	0.5
1,2,3-Trichloropropane	n	ug/l	0.5
1,2,4-Trimethylbenzene	n	ug/l	0.5
1,3,5-Trimethylbenzene	n	ug/l	0.5
Vinyl Acetate	n	ug/l	0.5
Vinyl Chloride	n	ug/l	0.5
Total Xylenes	n	ug/l	1.
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	109	%	28-129
Toluene-d8	54.3	%	52-150
4-Bromofluorobenzene	95.4	%	43-155

Comments:
Caifornia D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-37

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Fluorene	n	mg/kg	0.330
Diethyphthalate	n	mg/kg	0.330
4-Chlorophenyl-phenylethe	n	mg/kg	0.330
4-Nitroaniline	n	mg/kg	1.60
4,6-Dinitro-2-methylphenol	n	mg/kg	1.60
N-Nitrosodiphenylamine	n	mg/kg	0.330
4-Bromophenyl-phenyl eth	n	mg/kg	0.330
Hexachlorobenzene	n	mg/kg	0.330
Pentachlorophenol	n	mg/kg	0.330
Phenanthrene	n	mg/kg	0.330
Anthracene	n	mg/kg	0.330
Di-n-Butyphthalate	n	mg/kg	0.330
Fluoranthene	n	mg/kg	0.330
Benzidine	n	mg/kg	1.60
Pyrene	n	mg/kg	0.330
Butylbenzylphthalate	n	mg/kg	0.330
Benzo(a)anthracene	n	mg/kg	0.330
Bis-(2-Ethylhexyl)phthalate	n	mg/kg	0.330
Chrysene	n	mg/kg	0.330
Di-n-Octylphthalate	n	mg/kg	0.330
Benzo(b)Fluoranthene	n	mg/kg	0.330
Benzo(k)Fluoranthene	n	mg/kg	0.330
Benzo(a)Pyrene	n	mg/kg	0.330
Indeno(1,2,3-cd)Pyrene	n	mg/kg	0.330
Dibenzo(a,h)Anthracene	n	mg/kg	0.330
Benzo(g,h,I)Perylene	n	mg/kg	0.330
SURROGATES	**RECOVERY**	**%**	***CONTROL LIMITS (%)**
2-Fluorophenol	84.4	%	25-121
Phenol-d5	67.3	%	24-113
2,4,6-Tribromophenol	31.4	%	19-122
Nitrobenzene -d5	57.2	%	23-120
2-Fluorobiphenyl	65.2	%	30-115
Terphenyl-d14	66.8	%	18-137

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-5
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/14/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/21/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-17-W		
Sample Matrix:	WATER		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
N-Nitrosodimethylamine	n	ug/l	20
N-Nitrosomethylethylamine	n	ug/l	20
N-Nitrosodiethylamine	n	ug/l	20
Aniline	n	ug/l	10
Phenol	n	ug/l	10
Bis(2-Chloroethyl)ether	n	ug/l	10
2-Chlorophenol	n	ug/l	10
1,3-Dichlorobenzene	n	ug/l	10
1,4-Dichlorobenzene	n	ug/l	10
Benzyl alcohol	n	ug/l	20
1,2-Dichlorobenzene	n	ug/l	10
2-Methylphenol	n	ug/l	10
Bis(2-Chloroisopropyl)ether	n	ug/l	10
N-Nitrosopyrrolidine	n	ug/l	20
3+4-Methylphenol	n	ug/l	10
N-Nitroso-di-n-propylamine	n	ug/l	10
N-Nitrosomorpholine	n	ug/l	20
Hexachloroethane	n	ug/l	10
Nitrobenzene	n	ug/l	10
N-Nitrosopiperidiene	n	ug/l	20
Isophorone	n	ug/l	10
2-Nitrophenol	n	ug/l	50
2,4-Dimethylphenol	n	ug/l	10
Bis(2-Chloroethoxy)methan	n	ug/l	10
2,4-Dichlorophenol	n	ug/l	10
1,2,4-Trichlorobenzene	n	ug/l	10
Naphthalene	n	ug/l	10
4-Chloroaniline	n	ug/l	20
Hexachlorobutadiene	n	ug/l	10
N-Nitroso-di-n-butylamine	n	ug/l	20
4-Chloro-3-methylphenol	n	ug/l	10
2-Methylnaphthalene	n	ug/l	10
Hexachlorocyclopentadiene	n	ug/l	50
2,4,6-Trichlorophenol	n	ug/l	10
2,4,5-Trichlorophenol	n	ug/l	10
2-Chloronaphthalene	n	ug/l	10
2-Nitroaniline	n	ug/l	50
Dimethylphthalate	n	ug/l	10
Acenaphthylene	n	ug/l	10
2,6-Dinitrotoluene	n	ug/l	10
3-Nitroaniline	n	ug/l	50
Acenaphthene	n	ug/l	10
2,4-Dinitrophenol	n	ug/l	50
Dibenzofuran	n	ug/l	10
4-Nitrophenol	n	ug/l	50
2,4-Dinitrotoluene	n	ug/l	10
2,3,4,6-Tetrachlorophenol	n	ug/l	10

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-5

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
2,3,4,6-Tetrachlorophenol	n	ug/l	10
Fluorene	n	ug/l	10
Diethyphthalate	n	ug/l	10
4-Chlorophenyl-phenylether	n	ug/l	10
4-Nitroaniline	n	ug/l	50
4,6-Dinitro-2-methylphenol	n	ug/l	50
N-Nitrosodiphenylamine	n	ug/l	10
4-Bromophenyl-phenyl ethe	n	ug/l	10
Hexachlorobenzene	n	ug/l	10
Pentachlorophenol	n	ug/l	10
Phenanthrene	n	ug/l	10
Anthracene	n	ug/l	10
Di-n-Butyphthalate	n	ug/l	10
Fluoranthene	n	ug/l	10
Benzidine	n	ug/l	50
Pyrene	n	ug/l	10
Butylbenzylphthalate	n	ug/l	10
Bis(2-ethylhexyl) adipate	n	ug/l	10
3,3'-Dichlorobenzidine	n	ug/l	50
Benzo(a)anthracene	n	ug/l	10
Bis-(2-Ethylhexyl)phthalate	n	ug/l	10
Chrysene	n	ug/l	10
Di-n-Octylphthalate	n	ug/l	10
Benzo(b)Fluoranthene	n	ug/l	10
Benzo(k)Fluoranthene	n	ug/l	10
Benzo(a)Pyrene	n	ug/l	10
Indeno(1,2,3-cd)Pyrene	n	ug/l	10
Dibenzo(a,h)Anthracene	n	ug/l	10
Benzo(g,h,i)Perylene	n	ug/l	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
2-Fluorophenol	59.4	%	18-81
Phenol-d5	32.0	%	10-77
2,4,6-Tribromophenol	120	%	22-122
Nitrobenzene -d5	52.8	%	22-112
2-Fluorobiphenyl	72.4	%	23-122
Terphenyl-d14	82.5	%	29-136

California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported by

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-11
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/14/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/21/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-20-W		
Sample Matrix:	WATER		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
N-Nitrosodimethylamine	n	ug/l	20
N-Nitrosomethylethylamine	n	ug/l	20
N-Nitrosodiethylamine	n	ug/l	20
Aniline	n	ug/l	10
Phenol	n	ug/l	10
Bis(2-Chloroethyl)ether	n	ug/l	10
2-Chlorophenol	n	ug/l	10
1,3-Dichlorobenzene	n	ug/l	10
1,4-Dichlorobenzene	n	ug/l	10
Benzyl alcohol	n	ug/l	20
1,2-Dichlorobenzene	n	ug/l	10
2-Methylphenol	n	ug/l	10
Bis(2-Chloroisopropyl)ether	n	ug/l	10
N-Nitrosopyrrolidine	n	ug/l	20
3+4-Methylphenol	n	ug/l	10
N-Nitroso-di-n-propylamine	n	ug/l	10
N-Nitrosomorpholine	n	ug/l	20
Hexachloroethane	n	ug/l	10
Nitrobenzene	n	ug/l	10
N-Nitrosopiperidiene	n	ug/l	20
Isophorone	n	ug/l	10
2-Nitrophenol	n	ug/l	50
2,4-Dimethylphenol	n	ug/l	10
Bis(2-Chloroethoxy)methan	n	ug/l	10
2,4-Dichlorophenol	n	ug/l	10
1,2,4-Trichlorobenzene	n	ug/l	10
Naphthalene	n	ug/l	10
4-Chloroaniline	n	ug/l	20
Hexachlorobutadiene	n	ug/l	10
N-Nitroso-di-n-butylamine	n	ug/l	20
4-Chloro-3-methylphenol	n	ug/l	10
2-Methylnaphthalene	n	ug/l	10
Hexachlorocyclopentadiene	n	ug/l	50
2,4,6-Trichlorophenol	n	ug/l	10
2,4,5-Trichlorophenol	n	ug/l	10
2-Chloronaphthalene	n	ug/l	10
2-Nitroaniline	n	ug/l	50
Dimethylphthalate	n	ug/l	10
Acenaphthylene	n	ug/l	10
2,6-Dinitrotoluene	n	ug/l	10
3-Nitroaniline	n	ug/l	50
Acenaphthene	n	ug/l	10
2,4-Dinitrophenol	n	ug/l	50
Dibenzofuran	n	ug/l	10
4-Nitrophenol	n	ug/l	50
2,4-Dinitrotoluene	n	ug/l	10
2,3,4,6-Tetrachlorophenol	n	ug/l	10

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-11

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
2,3,4,6-Tetrachlorophenol	n	ug/l	10
Fluorene	n	ug/l	10
Diethyphthalate	n	ug/l	10
4-Chlorophenyl-phenylether	n	ug/l	10
4-Nitroaniline	n	ug/l	50
4,6-Dinitro-2-methylphenol	n	ug/l	50
N-Nitrosodiphenylamine	n	ug/l	10
4-Bromophenyl-phenyl ethe	n	ug/l	10
Hexachlorobenzene	n	ug/l	10
Pentachlorophenol	n	ug/l	10
Phenanthrene	n	ug/l	10
Anthracene	n	ug/l	10
Di-n-Butyphthalate	n	ug/l	10
Fluoranthene	n	ug/l	10
Benzidine	n	ug/l	50
Pyrene	n	ug/l	10
Butylbenzylphthalate	n	ug/l	10
Bis(2-ethylhexyl) adipate	n	ug/l	10
3,3'-Dichlorobenzidine	n	ug/l	50
Benzo(a)anthracene	n	ug/l	10
Bis-(2-Ethylhexyl)phthalate	n	ug/l	10
Chrysene	n	ug/l	10
Di-n-Octylphthalate	n	ug/l	10
Benzo(b)Fluoranthene	n	ug/l	10
Benzo(k)Fluoranthene	n	ug/l	10
Benzo(a)Pyrene	n	ug/l	10
Indeno(1,2,3-cd)Pyrene	n	ug/l	10
Dibenzo(a,h)Anthracene	n	ug/l	10
Benzo(g,h,l)Perylene	n	ug/l	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
2-Fluorophenol	69.6	%	18-81
Phenol-d5	44.0	%	10-77
2,4,6-Tribromophenol	120	%	22-122
Nitrobenzene -d5	57.8	%	22-112
2-Fluorobiphenyl	67.2	%	23-122
Terphenyl-d14	83.8	%	29-136

California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-16
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/14/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/21/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-19-W		
Sample Matrix:	WATER		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
N-Nitrosodimethylamine	n	ug/l	20
N-Nitrosomethylethylamine	n	ug/l	20
N-Nitrosodiethylamine	n	ug/l	20
Aniline	n	ug/l	10
Phenol	n	ug/l	10
Bis(2-Chloroethyl)ether	n	ug/l	10
2-Chlorophenol	n	ug/l	10
1,3-Dichlorobenzene	n	ug/l	10
1,4-Dichlorobenzene	n	ug/l	10
Benzyl alcohol	n	ug/l	20
1,2-Dichlorobenzene	n	ug/l	10
2-Methylphenol	n	ug/l	10
Bis(2-Chloroisopropyl)ether	n	ug/l	10
N-Nitrosopyrrolidine	n	ug/l	20
3+4-Methylphenol	n	ug/l	10
N-Nitroso-di-n-propylamine	n	ug/l	10
N-Nitrosomorpholine	n	ug/l	20
Hexachloroethane	n	ug/l	10
Nitrobenzene	n	ug/l	10
N-Nitrosopiperidiene	n	ug/l	20
Isophorone	n	ug/l	10
2-Nitrophenol	n	ug/l	50
2,4-Dimethylphenol	n	ug/l	10
Bis(2-Chloroethoxy)methan	n	ug/l	10
2,4-Dichlorophenol	n	ug/l	10
1,2,4-Trichlorobenzene	n	ug/l	10
Naphthalene	n	ug/l	10
4-Chloroaniline	n	ug/l	20
Hexachlorobutadiene	n	ug/l	10
N-Nitroso-di-n-butylamine	n	ug/l	20
4-Chloro-3-methylphenol	n	ug/l	10
2-Methylnaphthalene	n	ug/l	10
Hexachlorocyclopentadiene	n	ug/l	50
2,4,6-Trichlorophenol	n	ug/l	10
2,4,5-Trichlorophenol	n	ug/l	10
2-Chloronaphthalene	n	ug/l	10
2-Nitroaniline	n	ug/l	50
Dimethylphthalate	n	ug/l	10
Acenaphthylene	n	ug/l	10
2,6-Dinitrotoluene	n	ug/l	10
3-Nitroaniline	n	ug/l	50
Acenaphthene	n	ug/l	10
2,4-Dinitrophenol	n	ug/l	50
Dibenzofuran	n	ug/l	10
4-Nitrophenol	n	ug/l	50
2,4-Dinitrotoluene	n	ug/l	10
2,3,4,6-Tetrachlorophenol	n	ug/l	10

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-16

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
2,3,4,6-Tetrachlorophenol	n	ug/l	10
Fluorene	n	ug/l	10
Diethyphthalate	n	ug/l	10
4-Chlorophenyl-phenylether	n	ug/l	10
4-Nitroaniline	n	ug/l	50
4,6-Dinitro-2-methylphenol	n	ug/l	50
N-Nitrosodiphenylamine	n	ug/l	10
4-Bromophenyl-phenyl ethe	n	ug/l	10
Hexachlorobenzene	n	ug/l	10
Pentachlorophenol	n	ug/l	10
Phenanthrene	n	ug/l	10
Anthracene	n	ug/l	10
Di-n-Butyphthalate	n	ug/l	10
Fluoranthene	n	ug/l	10
Benzidine	n	ug/l	50
Pyrene	n	ug/l	10
Butylbenzylphthalate	n	ug/l	10
Bis(2-ethylhexyl) adipate	n	ug/l	10
3,3'-Dichlorobenzidine	n	ug/l	50
Benzo(a)anthracene	n	ug/l	10
Bis-(2-Ethylhexyl)phthalate	n	ug/l	10
Chrysene	n	ug/l	10
Di-n-Octylphthalate	n	ug/l	10
Benzo(b)Fluoranthene	n	ug/l	10
Benzo(k)Fluoranthene	n	ug/l	10
Benzo(a)Pyrene	n	ug/l	10
Indeno(1,2,3-cd)Pyrene	n	ug/l	10
Dibenzo(a,h)Anthracene	n	ug/l	10
Benzo(g,h,I)Perylene	n	ug/l	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
2-Fluorophenol	73.6	%	18-81
Phenol-d5	50.9	%	10-77
2,4,6-Tribromophenol	110	%	22-122
Nitrobenzene -d5	39.0	%	22-112
2-Fluorobiphenyl	50.7	%	23-122
Terphenyl-d14	75.8	%	29-136

California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-21
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/14/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/21/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-18-W		
Sample Matrix:	WATER		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
N-Nitrosodimethylamine	n	ug/l	20
N-Nitrosomethylethylamine	n	ug/l	20
N-Nitrosodiethylamine	n	ug/l	20
Aniline	n	ug/l	10
Phenol	n	ug/l	10
Bis(2-Chloroethyl)ether	n	ug/l	10
2-Chlorophenol	n	ug/l	10
1,3-Dichlorobenzene	n	ug/l	10
1,4-Dichlorobenzene	n	ug/l	10
Benzyl alcohol	n	ug/l	20
1,2-Dichlorobenzene	n	ug/l	10
2-Methylphenol	n	ug/l	10
Bis(2-Chloroisopropyl)ether	n	ug/l	10
N-Nitrosopyrrolidine	n	ug/l	20
3+4-Methylphenol	n	ug/l	10
N-Nitroso-di-n-propylamine	n	ug/l	10
N-Nitrosomorpholine	n	ug/l	20
Hexachloroethane	n	ug/l	10
Nitrobenzene	n	ug/l	10
N-Nitrosopiperidiene	n	ug/l	20
Isophorone	n	ug/l	10
2-Nitrophenol	n	ug/l	50
2,4-Dimethylphenol	n	ug/l	10
Bis(2-Chloroethoxy)methan	n	ug/l	10
2,4-Dichlorophenol	n	ug/l	10
1,2,4-Trichlorobenzene	n	ug/l	10
Naphthalene	n	ug/l	10
4-Chloroanitine	n	ug/l	20
Hexachlorobutadiene	n	ug/l	10
N-Nitroso-di-n-butylamine	n	ug/l	20
4-Chloro-3-methylphenol	n	ug/l	10
2-Methylnaphthalene	n	ug/l	10
Hexachlorocyclopentadiene	n	ug/l	50
2,4,6-Trichlorophenol	n	ug/l	10
2,4,5-Trichlorophenol	n	ug/l	10
2-Chloronaphthalene	n	ug/l	10
2-Nitroaniline	n	ug/l	50
Dimethylphthalate	n	ug/l	10
Acenaphthylene	n	ug/l	10
2,6-Dinitrotoluene	n	ug/l	10
3-Nitroanitine	n	ug/l	50
Acenaphthene	n	ug/l	10
2,4-Dinitrophenol	n	ug/l	50
Dibenzofuran	n	ug/l	10
4-Nitrophenol	n	ug/l	50
2,4-Dinitrotoluene	n	ug/l	10
2,3,4,6-Tetrachlorophenol	n	ug/l	10

EPA METHOD 8270

Report To: P.S.I. *Lab Number:* 0201289-21

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
2,3,4,6-Tetrachlorophenol	n	ug/l	10
Fluorene	n	ug/l	10
Diethyphthalate	n	ug/l	10
4-Chlorophenyl-phenylether	n	ug/l	10
4-Nitroaniline	n	ug/l	50
4,6-Dinitro-2-methylphenol	n	ug/l	50
N-Nitrosodiphenylamine	n	ug/l	10
4-Bromophenyl-phenyl ethe	n	ug/l	10
Hexachlorobenzene	n	ug/l	10
Pentachlorophenol	n	ug/l	10
Phenanthrene	n	ug/l	10
Anthracene	n	ug/l	10
Di-n-Butyphthalate	n	ug/l	10
Fluoranthene	n	ug/l	10
Benzidine	n	ug/l	50
Pyrene	n	ug/l	10
Butylbenzylphthalate	n	ug/l	10
Bis(2-ethylhexyl) adipate	n	ug/l	10
3,3'-Dichlorobenzidine	n	ug/l	50
Benzo(a)anthracene	n	ug/l	10
Bis-(2-Ethylhexyl)phthalate	n	ug/l	10
Chrysene	n	ug/l	10
Di-n-Octylphthalate	n	ug/l	10
Benzo(b)Fluoranthene	n	ug/l	10
Benzo(k)Fluoranthene	n	ug/l	10
Benzo(a)Pyrene	n	ug/l	10
Indeno(1,2,3-cd)Pyrene	n	ug/l	10
Dibenzo(a,h)Anthracene	n	ug/l	10
Benzo(g,h,I)Perylene	n	ug/l	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
2-Fluorophenol	76.3	%	18-81
Phenol-d5	54.6	%	10-77
2,4,6-Tribromophenol	97.9	%	22-122
Nitrobenzene -d5	52.9	%	22-112
2-Fluorobiphenyl	64.4	%	23-122
Terphenyl-d14	83.3	%	29-136

California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-27
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/14/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/21/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-14-W		
Sample Matrix:	WATER		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
N-Nitrosodimethylamine	n	ug/l	20
N-Nitrosomethylethylamine	n	ug/l	20
N-Nitrosodiethylamine	n	ug/l	20
Aniline	n	ug/l	10
Phenol	n	ug/l	10
Bis(2-Chloroethyl)ether	n	ug/l	10
2-Chlorophenol	n	ug/l	10
1,3-Dichlorobenzene	n	ug/l	10
1,4-Dichlorobenzene	n	ug/l	10
Benzyl alcohol	n	ug/l	20
1,2-Dichlorobenzene	n	ug/l	10
2-Methylphenol	n	ug/l	10
Bis(2-Chloroisopropyl)ether	n	ug/l	10
N-Nitrosopyrrolidine	n	ug/l	20
3+4-Methylphenol	n	ug/l	10
N-Nitroso-di-n-propylamine	n	ug/l	10
N-Nitrosomorpholine	n	ug/l	20
Hexachloroethane	n	ug/l	10
Nitrobenzene	n	ug/l	10
N-Nitrosopiperidiene	n	ug/l	20
Isophorone	n	ug/l	10
2-Nitrophenol	n	ug/l	50
2,4-Dimethylphenol	n	ug/l	10
Bis(2-Chloroethoxy)methan	n	ug/l	10
2,4-Dichlorophenol	n	ug/l	10
1,2,4-Trichlorobenzene	n	ug/l	10
Naphthalene	n	ug/l	10
4-Chloroaniline	n	ug/l	20
Hexachlorobutadiene	n	ug/l	10
N-Nitroso-di-n-butylamine	n	ug/l	20
4-Chloro-3-methylphenol	n	ug/l	10
2-Methylnaphthalene	n	ug/l	10
Hexachlorocyclopentadiene	n	ug/l	50
2,4,6-Trichlorophenol	n	ug/l	10
2,4,5-Trichlorophenol	n	ug/l	10
2-Chloronaphthalene	n	ug/l	10
2-Nitroaniline	n	ug/l	50
Dimethylphthalate	n	ug/l	10
Acenaphthylene	n	ug/l	10
2,6-Dinitrotoluene	n	ug/l	10
3-Nitroaniline	n	ug/l	50
Acenaphthene	n	ug/l	10
2,4-Dinitrophenol	n	ug/l	50
Dibenzofuran	n	ug/l	10
4-Nitrophenol	n	ug/l	50
2,4-Dinitrotoluene	n	ug/l	10
2,3,4,6-Tetrachlorophenol	n	ug/l	10

EPA METHOD 8270

Report To: P.S.I. **Lab Number:** 0201289-27

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
2,3,4,6-Tetrachlorophenol	n	ug/l	10
Fluorene	n	ug/l	10
Diethyphthalate	n	ug/l	10
4-Chlorophenyl-phenylether	n	ug/l	10
4-Nitroaniline	n	ug/l	50
4,6-Dinitro-2-methylphenol	n	ug/l	50
N-Nitrosodiphenylamine	n	ug/l	10
4-Bromophenyl-phenyl ethe	n	ug/l	10
Hexachlorobenzene	n	ug/l	10
Pentachlorophenol	n	ug/l	10
Phenanthrene	n	ug/l	10
Anthracene	n	ug/l	10
Di-n-Butyphthalate	n	ug/l	10
Fluoranthene	n	ug/l	10
Benzidine	n	ug/l	50
Pyrene	n	ug/l	10
Butylbenzylphthalate	n	ug/l	10
Bis(2-ethylhexyl) adipate	n	ug/l	10
3,3'-Dichlorobenzidine	n	ug/l	50
Benzo(a)anthracene	n	ug/l	10
Bis-(2-Ethylhexyl)phthalate	n	ug/l	10
Chrysene	n	ug/l	10
Di-n-Octylphthalate	n	ug/l	10
Benzo(b)Fluoranthene	n	ug/l	10
Benzo(k)Fluoranthene	n	ug/l	10
Benzo(a)Pyrene	n	ug/l	10
Indeno(1,2,3-cd)Pyrene	n	ug/l	10
Dibenzo(a,h)Anthracene	n	ug/l	10
Benzo(g,h,i)Perylene	n	ug/l	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
2-Fluorophenol	70.0	%	18-81
Phenol-d5	41.3	%	10-77
2,4,6-Tribromophenol	103	%	22-122
Nitrobenzene -d5	54.9	%	22-112
2-Fluorobiphenyl	62.8	%	23-122
Terphenyl-d14	73.2	%	29-136

California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.
* - surrogate out of range due to matrix effect

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-33
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/14/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/21/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-16-W		
Sample Matrix:	WATER		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
N-Nitrosodimethylamine	n	ug/l	20
N-Nitrosomethylethylamine	n	ug/l	20
N-Nitrosodiethylamine	n	ug/l	20
Aniline	n	ug/l	10
Phenol	n	ug/l	10
Bis(2-Chloroethyl)ether	n	ug/l	10
2-Chlorophenol	n	ug/l	10
1,3-Dichlorobenzene	n	ug/l	10
1,4-Dichlorobenzene	n	ug/l	10
Benzyl alcohol	n	ug/l	20
1,2-Dichlorobenzene	n	ug/l	10
2-Methylphenol	n	ug/l	10
Bis(2-Chloroisopropyl)ether	n	ug/l	10
N-Nitrosopyrrolidine	n	ug/l	20
3+4-Methylphenol	n	ug/l	10
N-Nitroso-di-n-propylamine	n	ug/l	10
N-Nitrosomorpholine	n	ug/l	20
Hexachloroethane	n	ug/l	10
Nitrobenzene	n	ug/l	10
N-Nitrosopiperidiene	n	ug/l	20
Isophorone	n	ug/l	10
2-Nitrophenol	n	ug/l	50
2,4-Dimethylphenol	n	ug/l	10
Bis(2-Chloroethoxy)methan	n	ug/l	10
2,4-Dichlorophenol	n	ug/l	10
1,2,4-Trichlorobenzene	n	ug/l	10
Naphthalene	n	ug/l	10
4-Chloroaniline	n	ug/l	20
Hexachlorobutadiene	n	ug/l	10
N-Nitroso-di-n-butylamine	n	ug/l	20
4-Chloro-3-methylphenol	n	ug/l	10
2-Methylnaphthalene	n	ug/l	10
Hexachlorocyclopentadiene	n	ug/l	50
2,4,6-Trichlorophenol	n	ug/l	10
2,4,5-Trichlorophenol	n	ug/l	10
2-Chloronaphthalene	n	ug/l	10
2-Nitroaniline	n	ug/l	50
Dimethylphthalate	n	ug/l	10
Acenaphthylene	n	ug/l	10
2,6-Dinitrotoluene	n	ug/l	10
3-Nitroaniline	n	ug/l	50
Acenaphthene	n	ug/l	10
2,4-Dinitrophenol	n	ug/l	50
Dibenzofuran	n	ug/l	10
[illegible]phenol	n	ug/l	50
2,4-DiniXn		ug/l	10
2,3,4,6-Tetrachlorophenol	n	ug/l	10

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-33

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
2,3,4,6-Tetrachlorophenol	n	ug/l	10
Fluorene	n	ug/l	10
Diethyphthalate	n	ug/l	10
4-Chlorophenyl-phenylether	n	ug/l	10
4-Nitroaniline	n	ug/l	50
4,6-Dinitro-2-methylphenol	n	ug/l	50
N-Nitrosodiphenylamine	n	ug/l	10
4-Bromophenyl-phenyl ethe	n	ug/l	10
Hexachlorobenzene	n	ug/l	10
Pentachlorophenol	n	ug/l	10
Phenanthrene	n	ug/l	10
Anthracene	n	ug/l	10
Di-n-Butyphthalate	n	ug/l	10
Fluoranthene	n	ug/l	10
Benzidine	n	ug/l	50
Pyrene	n	ug/l	10
Butylbenzylphthalate	n	ug/l	10
Bis(2-ethylhexyl) adipate	n	ug/l	10
3,3'-Dichlorobenzidine	n	ug/l	50
Benzo(a)anthracene	n	ug/l	10
Bis-(2-Ethylhexyl)phthalate	n	ug/l	10
Chrysene	n	ug/l	10
Di-n-Octylphthalate	n	ug/l	10
Benzo(b)Fluoranthene	n	ug/l	10
Benzo(k)Fluoranthene	n	ug/l	10
Benzo(a)Pyrene	n	ug/l	10
Indeno(1,2,3-cd)Pyrene	n	ug/l	10
Dibenzo(a,h)Anthracene	n	ug/l	10
Benzo(g,h,I)Perylene	n	ug/l	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
2-Fluorophenol	88.2*	%	18-81
Phenol-d5	52.6	%	10-77
2,4,6-Tribromophenol	30.8	%	22-122
Nitrobenzene -d5	56.4	%	22-112
2-Fluorobiphenyl	80.2	%	23-122
Terphenyl-d14	81.2	%	29-136

California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.
* - surrogate out of range due to matrix effect

Reported By

EPA METHOD 8270

Report To:	P.S.I.	***Lab Number:***	0201289-38
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
Project Number:	575-1G055	***Date Extracted:***	01/14/02
Project Name:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/21/02
Sampling Location:		***Date Reported:***	01/31/02
Sample ID:	B-15-W		
Sample Matrix:	WATER		
Sample Collected By			

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
N-Nitrosodimethylamine	n	ug/l	20
N-Nitrosomethylethylamine	n	ug/l	20
N-Nitrosodiethylamine	n	ug/l	20
Aniline	n	ug/l	10
Phenol	n	ug/l	10
Bis(2-Chloroethyl)ether	n	ug/l	10
2-Chlorophenol	n	ug/l	10
1,3-Dichlorobenzene	n	ug/l	10
1,4-Dichlorobenzene	n	ug/l	10
Benzyl alcohol	n	ug/l	20
1,2-Dichlorobenzene	n	ug/l	10
2-Methylphenol	n	ug/l	10
Bis(2-Chloroisopropyl)ether	n	ug/l	10
N-Nitrosopyrrolidine	n	ug/l	20
3+4-Methylphenol	n	ug/l	10
N-Nitroso-di-n-propylamine	n	ug/l	10
N-Nitrosomorpholine	n	ug/l	20
Hexachloroethane	n	ug/l	10
Nitrobenzene	n	ug/l	10
N-Nitrosopiperidiene	n	ug/l	20
Isophorone	n	ug/l	10
2-Nitrophenol	n	ug/l	50
2,4-Dimethylphenol	n	ug/l	10
Bis(2-Chloroethoxy)methan	n	ug/l	10
2,4-Dichlorophenol	n	ug/l	10
1,2,4-Trichlorobenzene	n	ug/l	10
Naphthalene	n	ug/l	10
4-Chloroaniline	n	ug/l	20
Hexachlorobutadiene	n	ug/l	10
N-Nitroso-di-n-butylamine	n	ug/l	20
4-Chloro-3-methylphenol	n	ug/l	10
2-Methylnaphthalene	n	ug/l	10
Hexachlorocyclopentadiene	n	ug/l	50
2,4,6-Trichlorophenol	n	ug/l	10
2,4,5-Trichlorophenol	n	ug/l	10
2-Chloronaphthalene	n	ug/l	10
2-Nitroanilne	n	ug/l	50
Dimethylphthalate	n	ug/l	10
Acenaphthylene	n	ug/l	10
2,6-Dinitrotoluene	n	ug/l	10
3-Nitroaniline	n	ug/l	50
Acenaphthene	n	ug/l	10
2,4-Dinitrophenol	n	ug/l	50
Dibenzofuran	n	ug/l	10
4-Nitrophenol	n	ug/l	50
2,4-Dinitrotoluene	n	ug/l	10
2,3,4,6-Tetrachlorophenol	n	ug/l	10

BASIC LABORATORY, INC.

EPA METHOD 8270

Report To: P.S.I. ***Lab Number:*** 0201289-38

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
2,3,4,6-Tetrachlorophenol	n	ug/l	10
Fluorene	n	ug/l	10
Diethyphthalate	n	ug/l	10
4-Chlorophenyl-phenylether	n	ug/l	10
4-Nitroaniline	n	ug/l	50
4,6-Dinitro-2-methylphenol	n	ug/l	50
N-Nitrosodiphenylamine	n	ug/l	10
4-Bromophenyl-phenyl ethe	n	ug/l	10
Hexachlorobenzene	n	ug/l	10
Pentachlorophenol	n	ug/l	10
Phenanthrene	n	ug/l	10
Anthracene	n	ug/l	10
Di-n-Butyphthalate	n	ug/l	10
Fluoranthene	n	ug/l	10
Benzidine	n	ug/l	50
Pyrene	n	ug/l	10
Butylbenzylphthalate	n	ug/l	10
Bis(2-ethylhexyl) adipate	n	ug/l	10
3,3'-Dichlorobenzidine	n	ug/l	50
Benzo(a)anthracene	n	ug/l	10
Bis-(2-Ethylhexyl)phthalate	n	ug/l	10
Chrysene	n	ug/l	10
Di-n-Octylphthalate	n	ug/l	10
Benzo(b)Fluoranthene	n	ug/l	10
Benzo(k)Fluoranthene	n	ug/l	10
Benzo(a)Pyrene	n	ug/l	10
Indeno(1,2,3-cd)Pyrene	n	ug/l	10
Dibenzo(a,h)Anthracene	n	ug/l	10
Benzo(g,h,i)Perylene	n	ug/l	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
2-Fluorophenol	60.4	%	18-81
Phenol-d5	38.2	%	10-77
2,4,6-Tribromophenol	32.6	%	22-122
Nitrobenzene -d5	41.5	%	22-112
2-Fluorobiphenyl	53.9	%	23-122
Terphenyl-d14	74.4	%	29-136

California D.O.H.S Cert # 1677

n - Not detected at the qualification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8082 - PCB

Report To:	P.S.I.	***Lab Number:***	0201289-1
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
	575-1G055	***Date Extracted:***	01/22/02
Project:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/25/02
Sample ID:	B-17-2	***Date Reported:***	01/31/02
Sample Matrix:	SOIL		

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Aroclor 1016	n	mg/kg	0.033
Aroclor 1221	n	mg/kg	0.033
Aroclor 1232	n	mg/kg	0.033
Aroclor 1242	n	mg/kg	0.033
Aroclor 1248	n	mg/kg	0.033
Aroclor 1254	n	mg/kg	0.033
Aroclor 1260	n	mg/kg	0.033
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
Tetrachloro-m-Xylene	18.7	%	17-105
Decachlorobiphenyl	*	%	44-148

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.
*-Surrogate out of range due to matrix effect.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8082 - PCB

Report To:	P.S.I.	***Lab Number:***	0201289-12
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
	575-1G055	***Date Extracted:***	01/22/02
Project:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/25/02
Sample ID:	B-19-2	***Date Reported:***	01/31/02
Sample Matrix:	SOIL		

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Aroclor 1016	n	mg/kg	0.033
Aroclor 1221	n	mg/kg	0.033
Aroclor 1232	n	mg/kg	0.033
Aroclor 1242	n	mg/kg	0.033
Aroclor 1248	n	mg/kg	0.033
Aroclor 1254	n	mg/kg	0.033
Aroclor 1260	n	mg/kg	0.033
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
Tetrachloro-m-Xylene	17.0	%	25-100
Decachlorobiphenyl	*	%	50-125

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.
*-Surrogate out of range due to matrix effect.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8082 - PCB

Report To:	P.S.I.	***Lab Number:***	0201289-22
	4703 TIDEWATER AVE., STE. B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601		
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02
	575-1G055	***Date Extracted:***	01/22/02
Project:	CAL TRANS - OAKLAND	***Date Analyzed:***	01/25/02
Sample ID:	B-14-2	***Date Reported:***	01/31/02
Sample Matrix:	SOIL		

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
Aroclor 1016	n	mg/kg	0.033
Aroclor 1221	n	mg/kg	0.033
Aroclor 1232	n	mg/kg	0.033
Aroclor 1242	n	mg/kg	0.033
Aroclor 1248	n	mg/kg	0.033
Aroclor 1254	n	mg/kg	0.033
Aroclor 1260	n	mg/kg	0.033
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
Tetrachloro-m-Xylene	18.0	%	25-100
Decachlorobiphenyl	*	%	50-125

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the qualification limit.
*-Surrogate out of range due to matrix effect.

Reported By

BASIC LABORATORY, INC.

Report To:	PSI	***Lab No:***	0201289A-22
	4703 TIDEWATER AVE STE B	***Date:***	01/28/02
	OAKLAND, CA 94601	***Phone:***	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02

Project Name: CAL-TRANS OAKLAND

Sample Description: SOIL TESTING - B-14-2

EPA METHODS	ANALYSIS	STLC RESULTS mg/l	STLC CRITERIA mg/l	STLC RL mg/l
6010A	Antimony		15	0.10
6010A	Arsenic		5	0.20
6010A	Barium		100	1.00
6010A	Beryllium		0.75	0.01
6010A	Cadmium		1	0.02
6010A	Chromium		5	0.20
6010A	Cobalt		80	0.10
6010A	Copper		25	0.10
6010A	**Lead**	**1.42**	**5**	**0.10**
7471	Mercury		0.2	0.02
6010A	Molybdenum		350	0.10
6010A	Nickel		20	0.10
6010A	Selenium		1	0.20
6010A	Silver		5	0.10
6010A	Thallium		7	0.10
6010A	Vanadium		24	0.10
6010A	Zinc		250	0.20

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
STLC - Soluble Threshold Limit Concentration.

Reported By:

BASIC LABORATORY, INC.

Report To:	PSI	***Lab No:***	0201289A-1
	4703 TIDEWATER AVE STE B	***Date:***	01/28/02
	OAKLAND, CA 94601	***Phone:***	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02

Project Name: CAL-TRANS OAKLAND

Sample Description: SOIL TESTING - B-17-2'

EPA METHODS	ANALYSIS	STLC RESULTS mg/l	STLC CRITERIA mg/l	STLC RL mg/l
6010A	Antimony		15	0.10
6010A	Arsenic		5	0.20
6010A	Barium		100	1.00
6010A	Beryllium		0.75	0.01
6010A	Cadmium		1	0.02
6010A	Chromium		5	0.20
6010A	Cobalt		80	0.10
6010A	Copper		25	0.10
6010A	**Lead**	**38.7**	**5**	**0.10**
7471	Mercury		0.2	0.02
6010A	Molybdenum		350	0.10
6010A	Nickel		20	0.10
6010A	Selenium		1	0.20
6010A	Silver		5	0.10
6010A	Thallium		7	0.10
6010A	Vanadium		24	0.10
6010A	Zinc		250	0.20

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
STLC - Soluble Threshold Limit Concentration.

Reported By: Dale Teague

BASIC LABORATORY, INC.

Report To:	PSI	***Lab No:***	0201289A-20
	4703 TIDEWATER AVE STE B	***Date:***	01/28/02
	OAKLAND, CA 94601	***Phone:***	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02

Project Name: CAL-TRANS OAKLAND

Sample Description: SOIL TESTING - B-18-8

EPA METHODS	ANALYSIS	STLC RESULTS mg/l	STLC CRITERIA mg/l	STLC RL mg/l
6010A	Antimony		15	0.10
6010A	Arsenic		5	0.20
6010A	Barium		100	1.00
6010A	Beryllium		0.75	0.01
6010A	Cadmium		1	0.02
6010A	Chromium		5	0.20
6010A	Cobalt		80	0.10
6010A	Copper		25	0.10
6010A	**Lead**	**1.48**	**5**	**0.10**
7471	Mercury		0.2	0.02
6010A	Molybdenum		350	0.10
6010A	Nickel		20	0.10
6010A	Selenium		1	0.20
6010A	Silver		5	0.10
6010A	Thallium		7	0.10
6010A	Vanadium		24	0.10
6010A	Zinc		250	0.20

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
STLC - Soluble Threshold Limit Concentration.

Reported By: Del Sprague

BASIC LABORATORY, INC.

Report To:	PSI	***Lab No:***	0201289A-12
	4703 TIDEWATER AVE STE B	***Date:***	01/28/02
	OAKLAND, CA 94601	***Phone:***	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/10/02

Project Name: CAL-TRANS OAKLAND

Sample Description: SOIL TESTING - B-19-2

EPA METHODS	ANALYSIS mg/l	TCLP RESULTS mg/l	TCLP CRITERIA mg/l	TCLP RL mg/l
6010A	Arsenic		5	0.20
6010A	Barium		100	1.00
6010A	Cadmium		1.0	0.02
6010A	**Lead**	**0.21**	**5.0**	**0.10**
7471	Mercury		0.20	0.02
6010A	Selenium		1.0	0.20
6010A	Silver		5.0	0.10

Comments: California D.O.H.S. Lab Cert. #1677.
RL - Reporting Limit.
TCLP - Toxicity Characteristic Leaching procedures.

Reported By: Deb Sprague

BASIC LABORATORY CHAIN OF CUSTODY RECORD

2218 Railroad Avenue, Redding, CA 96001 (530) 243-7234 FAX 243-7494

CLIENT NAME: PST

ADDRESS: 4703 Tidewater Ave ste 'B' Oakland CA 94601

PROJECT MANAGER: Frank Poss

PHONE: 510 34-9200 FAX: 510 434-7675 E-MAIL:

INVOICE TO: PST PO#:

SPECIAL MAIL ☐ E-MAIL ☐ FAX ☐

PROJECT NAME: Cal Trans Oakland

PROJECT #:

LAB #: 020/289A

SAMP: 3

REQUESTED COMP. DATE: 1/28/02

TURNAROUND TIME: STD ☐ RUSH ☒

PAGE 1 OF 1

ANALYSES REQUESTED: Lead TTLC (crossed out: * CAM 17 metals by STLC) ; CAM 17 metals ** by TClip

REP:

I.D.#

SYSTEM #:

CUST. SEAL

ICE

QC = 1 2 3 4

DATE	TIME	WATER	COMP	SOIL	SAMPLE DESCRIPTION	# OF BOTTLES	Lead TTLC	CAM 17 metals by TClip	LAB ID	REMARKS
/8/02	14:00			X	B-14-2	1	X		22	* Cu, Zn, As, Ba, Be
/8/02	9:45			X	B-17-2'	1	X		1	Cd, Cr, Ni, Ag, Co, Mo
/8/02	1140				B-19-2			X	12	V, Pb, Se, Tl, Sb, Hg
/8/02	13:15			X	B-18-8	1	X		20	* by STLC ** by TClip

* Matt Changed to lead only — 1/28/02

* Additional Tests Requested by Client 1/24/02 PSI spoke with Matt/Rose.

PRESERVATIONS HNO3 ☐ H2SO4 ☐ NaOH ☐ ZnAce/NaOH ☐ HCL ☐ Nathio ☐

SAMPLED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
See org. COC 020/289			
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB: Verna Wahlin	DATE/TIME: 1/30/02 10Am	SAMPLE SHIPPED VIA: UPS POST BUS FED-EX OTHER ____	

INSTRUCTIONS, TERMS, CONDITIONS ON BACK.

BASIC LABORATORY CHAIN OF CUSTODY RECORD

2218 Railroad Avenue, Redding, CA 96001 (530) 243-7234 FAX 243-7494

CLIENT NAME: P.S.I.

PROJECT NAME: CHEVRON OAKLAND

PROJECT #: 575-1605S

LAB #: 0201289

ADDRESS: 4703 TIDEWATER AVE., SUITE B OAKLAND, CA. 94601

REQUESTED COMP. DATE: 1-29-02

SAMP: 38

TURN AROUND TIME: STD ☒ RUSH ☐

PAGE 1 OF 2

PROJECT MANAGER: FRANK POSS

PHONE: 510 434-9200 FAX: 510 4347676 E-MAIL:

INVOICE TO: PSI PO#:

SPECIAL MAIL ☐ E-MAIL ☐ FAX ☐

ANALYSES REQUESTED

DATE	TIME	WATER	COMP	SOIL	SAMPLE DESCRIPTION	# OF BOTTLES	CAM 17 METALS (DISS.)	TPH-GAS	TPH-DIESEL	TPH-MOTOR OIL	CHROMIUM 6+	VOCs (EPA 8260) 40ml	10 VOCs (EPA 8270)	ORGANOPHOS. PEST. (EPA 8141)	CHLOR. HCBS (EPA 8151)	PCBs (EPA 8082)	pH (EPA 9045)	MS/MSD	REMARKS
1/8/02	9:45			X	B-17-2' ✓		X	X	X	X				X		X		1	
	9:50			X	B-17-3'													2	Hold
	9:55			X	B-17-5' ✓		X	X	X	X	X	X	X				X	3	
	10:00			X	B-17-8' ✓		X	X	X	X		X	X					4	
	10:15	X			B-17-W ✓	6	X	X	X	X			X					5	
	10:45			X	B-20-2													6	Hold
	10:50			X	B-20-3													7	Hold
	10:55			X	B-20-5 ✓		X	X	X	X								8	
	11:00			X	B-20-8													9	Hold
	11:05			X	B-20-12 ✓		X	X	X	X	X	X	X				X	10	
	11:15	X			B-20-W ✓	6	X	X	X	X		X	X					11	
	11:40			X	B-19-2		X	X	X	X				X		X		12	
	11:45				B-19-3													13	Hold
	11:50			X	B-19-5 ✓		X	X	X	X		X	X				X	14	
	12:00			X	B-19-8 ✓		X	X	X	X		X	X					15	
	12:15	X			B-19-W ✓	6	X	X	X	X			X					16	
	12:55			X	B-18-2													17	Hold
	13:00			X	B-18-3													18	Hold
	13:10			X	B-18-5 ✓		X	X	X	X								19	
	13:15			X	B-18-8		X	X	X	X	X	X	X				X	20	

PRESERVATIONS HNO3 ☐ H2SO4 ☐ NaOH ☐ ZnAce/NaOH ☐ HCL ☒ Na2S2O3 ☐

SAMPLED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME: 1/8/02 1800
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB:	DATE/TIME: 1/10/02 10 AM	SAMPLE SHIPPED VIA: UPS POST BUS FED-EX OTHER	

INSTRUCTIONS, TERMS, CONDITIONS ON BACK.

No + Comp Date Changed because not all samples received on same day + Chain of Cust. Was not filled

BASIC LABORATORY CHAIN OF CUSTODY RECORD

2218 Railroad Avenue, Redding, CA 96001 (530) 243-7234 FAX 243-7494

CLIENT NAME: P.S.I

ADDRESS: 4703 TIDEWATER AVE, STE. B OAKLAND. CA. 94601

PROJECT MANAGER: FRANK POSS

PHONE: 510 434 9200 FAX: 510 434 7676 E-MAIL:

INVOICE TO: PSI PO#:

SPECIAL MAIL ☐ E-MAIL ☐ FAX ☐

PROJECT NAME: ORIGINS - OAKLAND

PROJECT #:

LAB #: 0201289

REQUESTED COMP. DATE: 1-29-02

SAMP: 38

TURN AROUND TIME: STD ☒ RUSH ☐

PAGE 2 OF 2

ANALYSES REQUESTED

REP: I.D.# SYSTEM #: CUST. SEAL ICE QC = 1 2 3 4

DATE	TIME	WATER	COMP	SOIL	SAMPLE DESCRIPTION	# OF BOTTLES	CAM 17 METALS (DISS)	TPH-GAS	TPH-DIESEL	TPH-MOTOR OIL	CHROMIUM 6+	VOCs (EPA 8260) OXY	SEMI VOCs (EPA 8270)	ORGANOPHOS PEST (EPA 8141)	CHLOR. HERB (EPA 8151)	PCBs (EPA 8082)	pH (EPA 9045)	LAB ID	REMARKS
1/8/02	13:25	X			B-18-W ✓	6	X	X	X	X			X					21	
	14:00			X	B-14-2 ✓		X	X	X	X						X		22	
	14:05			X	B-14-3													23	HOLD
	14:10			X	B-14-5 ✓		X	X	X	X		X	X					24	
	14:15			X	B-14-8 ✓		X	X	X	X		X	X					25	
	14:20			X	B-14-12													26	HOLD
	14:35	X			B-14-W ✓	6	X	X	X	X			X					27	
	15:00			X	B-16-2 Rec 1/9							X	X	X				28	
	15:05			X	B-16-3 ✓		X	X	X	X	X	X	X				X	29	
	15:10			X	B-16-5													30	HOLD
	15:15			X	B-16-8													31	HOLD
	15:20			X	B-16-10		X	X	X	X								32	
	15:35	X			B-16-W ✓	6	X	X	X	X		X	X					33	
	16:00			X	B-15-2													34	HOLD
	1605			X	B-15-3													35	HOLD
	16:10			X	B-15-5 ✓		X	X	X	X								36	
	16:15			X	B-15-8 ✓		X	X	X	X	X	X	X				X	37	
	16:45	X			B-15-W ✓	6	X	X	X	X			X					38	

PRESERVATIONS HNO3 ☒ H2SO4 ☐ NaOH ☐ ZnAce/NaOH ☐ HCL ☒ Nathio ☐

SAMPLED BY: [signature] DATE/TIME:

RELINQUISHED BY: [signature] DATE/TIME: 1/8/02 18:00

RECEIVED BY: DATE/TIME:

RELINQUISHED BY: DATE/TIME:

RECEIVED BY: DATE/TIME:

RELINQUISHED BY: DATE/TIME:

RECEIVED BY LAB: [signature] DATE/TIME: 1/9/02 10AM

SAMPLE SHIPPED VIA: UPS POST BUS (FED-EX) OTHER ______

INSTRUCTIONS, TERMS, CONDITIONS ON BACK.

** TOTAL PAGE.03 **

* highlited sample descrip recew 1/9 per Matt
* sch "old wais" per Matt 1/25 @ 3:00 pm

BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE. B OAKLAND, CA 94601	***Lab No:***	0201289B
		Date:	02/11/02
		Phone:	(510) 434-9200
		Date Sampled:	01/08/02
Attention:	FRANK POSS	***Date Received:***	01/08/02

Project Name: CALTRANS OAKLAND

Sample Description: SOIL TESTING

	DI-Wet	***TCLP***
TEST:	***Lead***	***Lead***
METHOD:	6010A	6010A
UNITS:	ug/l	mg/l
Criteria:	5000	5
REPORTING LIMIT:	5	0.10
DATE ANALYZED:	02/11/02	02/11/02
Sample ID		
B-17-2	98	n
B-19-2	44	
B-18-8	n	
B-14-2	n	

Comments: California D.O.H.S. Cert. #1677.
n - Not detected at the reporting limit.

Reported by:

BASIC LABORATORY CHAIN OF CUSTODY RECORD

2218 Railroad Avenue, Redding, CA 96001 (530) 243-7234 FAX 243-7494

CLIENT NAME: PSI

ADDRESS: 4703 Tidewater Ave. STE B
Oakland, CA 94601

PROJECT MANAGER: Frank Ross

PHONE: 510 434 9200 FAX: 510 434 7676 E-MAIL:

INVOICE TO: PO#:

SPECIAL MAIL ☐ E-MAIL ☐ FAX ☐

PROJECT NAME: CAl Trans Oakland PROJECT #:

REQUESTED COMP. DATE: 2/11/02 72 Hr

TURN AROUND TIME: STD ☐ RUSH ☒

LAB #: 0201289 B

SAMP: 4

PAGE 1 OF 1

ANALYSES REQUESTED

REP:

I.D.#:

SYSTEM #:

CUST. SEAL

ICE

QC = 1 2 3 4

DATE	TIME	WATER	COMP	SOIL	SAMPLE DESCRIPTION	# OF BOTTLES	Lead by: Wet	Lead TCLP	LAB ID	REMARKS
1/8/02	9:45			X	B-17-2	X	X		1	
	11:40			X	B-19-2	X			12	
	13:15			X	B-18-8	X			20	
	14:00			X	B-14-2	X			22	

Requested by Frank Ross 2/6/02 12:15pm MC

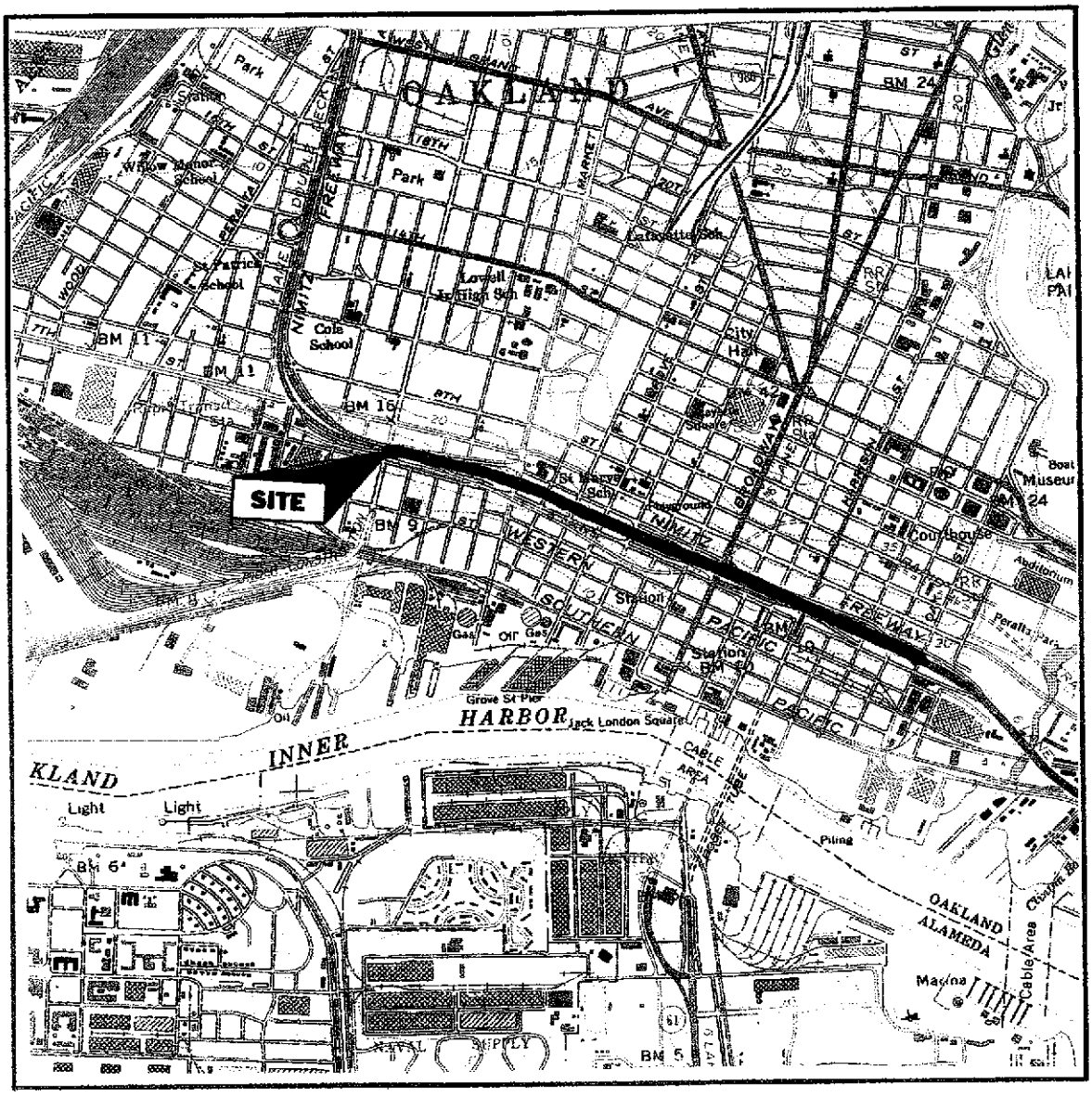
PRESERVATIONS HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ ZnAce/NaOH ☐ HCL ☐ Nathio ☐

SAMPLED BY: See original COC	DATE/TIME: 1/8/02	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB: See org. COC	DATE/TIME:	SAMPLE SHIPPED VIA: UPS POST BUS FED-EX OTHER _____	

INSTRUCTIONS, TERMS, CONDITIONS ON BACK.

APPENDIX E

PREVIOUS INVESTIGATIVE RESULTS



REFERENCE:

U.S.G.S. OAKLAND WEST, CA
7.5 MINUTE SERIES TOPOGRAPHIC
MAP, DATED 1959, REVISED 1980

psi Information To Build On
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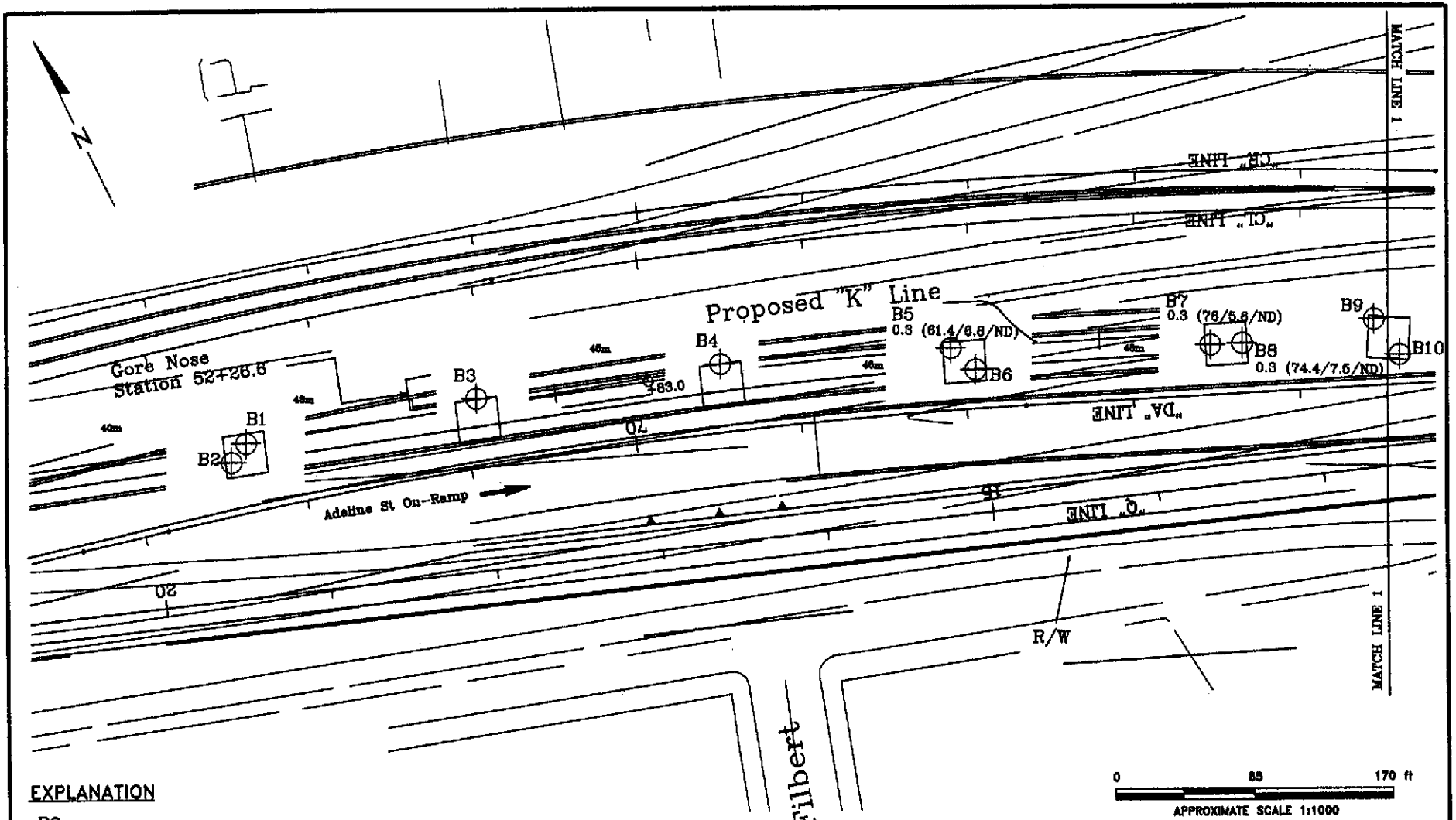
4703 Tidewater Avenue, Suite B
Oakland, California 94601
(510) 434-9200

Project Name	Drawn By	Date	File No.	Figure No.
ROUTE 880 ADELINE ST. TO OAK ST., OAKLAND, CALIFORNIA	M.C.	10/01	16043-01	1
Title: SITE LOCATION MAP	Approved By: F.P.	Project No.: 575-16043		



EXPLANATION

B3 ⊕ – SOIL BORING LOCATION (SAMPLE DEPTH AND LEAD CONCENTRATIONS ARE SHOWN ONLY FOR SAMPLES WITH RESULTS THAT EXCEED CALIFORNIA TITLE 22 CRITERIA).

NOTES

1. LEAD CONCENTRATIONS IN PARENTHESES INDICATE TOTAL CONCENTRATION/ SOLUBLE WET CONCENTRATION/SOLUBLE TCLP CONCENTRATION IN mg/L.
2. BASE MAP TAKEN FROM CALTRANS, "I-880 BROADWAY JACKSON I/C IMPROVEMENTS," SCALE 1:1000, DATED 1/19/01.

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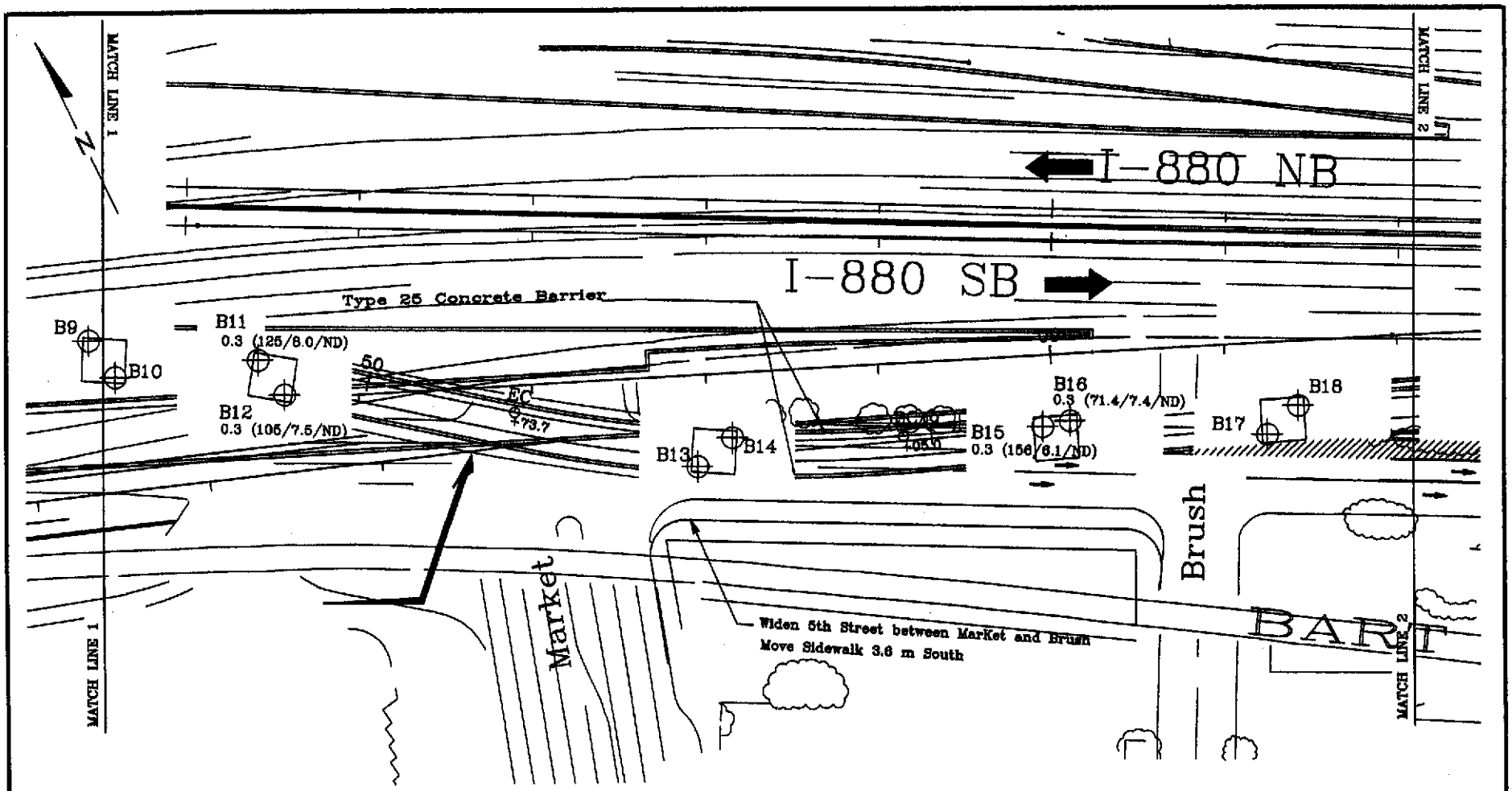
(510) 434-9200

Project Name: ROUTE 880 BROADWAY/JACKSON PROJECT, OAKLAND, CALIFORNIA	Drawn By: B.W.B.	Date: 11/01	File No.: 1G043-02a	Figure No.: 2a
Title: BORING LOCATION MAP AND LEAD CONCENTRATIONS IN SOIL	Approved By: F.P.	Project No.: 575-1G043		



EXPLANATION

B3 ⊕ – SOIL BORING LOCATION (SAMPLE DEPTH AND LEAD CONCENTRATIONS ARE SHOWN ONLY FOR SAMPLES WITH RESULTS THAT EXCEED CALIFORNIA TITLE 22 CRITERIA).

NOTES

1. LEAD CONCENTRATIONS IN PARENTHESES INDICATE TOTAL CONCENTRATION/ SOLUBLE WET CONCENTRATION/SOLUBLE TCLP CONCENTRATION IN mg/L.
2. BASE MAP TAKEN FROM CALTRANS, "I-880 BROADWAY JACKSON I/C IMPROVEMENTS," SCALE 1:1000, DATED 1/19/01.

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Oakland, California 94601
(510) 434-9200

Project Name:	Drawn By:	Date:	File No.:	Figure No.:
ROUTE 880 BROADWAY/JACKSON PROJECT, OAKLAND, CALIFORNIA	B.W.B.	11/01	1C043-02b	2b
Title: BORING LOCATION MAP AND LEAD CONCENTRATIONS IN SOIL	Approved By: F.P.	Project No.: 575-1C043		

TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS: METALS

INTERSTATE HIGHWAY 880, BETWEEN BROADWAY/JACKSON , OAKLAND, CALIFORNIA

BORING	DEPTH	FOOTING	SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	MO	NI	SE	AG	TL	V	ZN
B5	0.3	4	ND	3.5	105	ND	ND	42.8	7.3	16.4	**61.4 (6.8) {ND}**	ND	ND	34.2	0.92	ND	ND	39.4	69.7
	1.5		ND	2.7	54	ND	ND	47.3	7.9	10.2	3.2	ND	ND	43.1	0.82	ND	ND	38.4	25.1
	3		ND	2.4	58	ND	ND	45.2	5.3	8.4	2.3	ND	ND	33.3	0.56	ND	ND	32	20.8
	4.5		ND	2.7	55	ND	ND	46.2	5.9	8.4	2.3	ND	ND	38.2	0.71	ND	ND	35.6	23.3
B6	0.3		ND	2.8	91	ND	ND	45.1	6.4	14.6	70.5 (2.2)	ND	ND	35.2	0.55	ND	ND	35.5	57.9
	1.5		ND	2.5	62	ND	ND	52.7	ND	8.2	2.8	ND	ND	32.8	0.94	ND	ND	39.1	20.6
	3		ND	3.9	56	ND	ND	45.4	5	7.8	2.0	ND	ND	36.1	0.6	ND	ND	34.4	21.7
B7	0.3	5	ND	2.7	89	ND	ND	25.7	ND	29.8	**76 (5.6) {ND}**	0.1	ND	19.2	0.68	ND	ND	22.3	134
	1.5		ND	1.9	19	ND	ND	37.9	5.6	5.8	1.9	ND	ND	22.2	ND	ND	ND	25.1	25.4
	3		ND	2.9	60	ND	ND	40.8	6	8	2.3	ND	ND	33.7	0.55	ND	ND	34	21.6
	4.5		ND	1.7	43	ND	ND	44.1	ND	6.9	1.8	ND	ND	30.8	0.66	ND	ND	25.4	20.1
B8	0.3		ND	3.2	103	ND	ND	40.8	6.2	19.7	**74.4 (7.5) {ND}**	ND	ND	29.1	0.98	ND	ND	34.6	75.8
	1.5		ND	2.2	34	ND	ND	39	ND	6.4	2	ND	ND	22.7	0.6	ND	ND	28.6	15
	3.0		ND	3.3	92	ND	ND	70	7.9	10.6	3	ND	ND	52.5	0.68	ND	ND	42.2	27.9
B11	0.3	6	ND	3.1	109	ND	ND	42.4	7	19.8	**125 (8.0) {ND}**	0.12	ND	30.6	0.86	ND	ND	34.9	212
	1.5		ND	1.8	36	ND	ND	34.5	ND	5.9	1.9	ND	ND	17.3	0.59	ND	ND	22.3	13.3
	3.0		ND	2.6	67	ND	ND	50.7	5.7	7.7	2.1	ND	ND	36.9	0.65	ND	ND	32.7	25.3
	4.5		ND	1.4	49	ND	ND	43.7	ND	5.7	1.7	ND	ND	26.2	ND	ND	ND	22.8	18.8
B12	0.3		ND	2.9	91	ND	ND	40.4	ND	20.4	**105 (7.5) {ND}**	0.5	ND	24.3	0.63	ND	ND	29.7	1130
	1.5		ND	1.7	36	ND	ND	30	ND	5.4	1.7	ND	ND	16.7	0.55	ND	ND	21.1	13.8
	3.0		ND	3.5	83	ND	ND	65.8	5.6	9.7	3.1	ND	ND	45	0.91	ND	ND	41.7	28.4
B13	0.3	7	ND	4.1	108	ND	ND	64.9	9.1	27.8	53 (4.9)	0.11	ND	45.2	0.92	ND	ND	51.3	122
	1.5		ND	3.1	145	ND	ND	52.2	6.4	17.8	40.4	0.11	ND	34.5	0.78	ND	ND	41.3	60.8
	3.0		ND	2.1	68	ND	ND	50	5.3	8	2.4	ND	ND	34.7	0.69	ND	ND	36.4	22.9
	4.5		ND	2.1	50	ND	ND	45.9	ND	6.8	2.2	ND	ND	27.8	ND	ND	ND	33.6	21.5
B14	0.3		ND	3.1	88	ND	ND	36.9	ND	16.6	142 (ND)	0.26	ND	22.7	0.66	ND	ND	30.7	123
	1.5		ND	3.4	59	ND	ND	45.2	12.4	14.7	19.4	ND	ND	31.5	0.62	ND	ND	36.9	57.9
	3.0		ND	3.3	64	ND	ND	58	7.2	9.3	2.6	ND	ND	44.3	0.84	ND	ND	43.2	26.4
B15	0.3	8	ND	3.5	133	ND	ND	52.2	6.9	23.3	**156 (6.1) {ND}**	ND	ND	35.8	0.83	ND	ND	37.6	108
	1.5		ND	2.6	49	ND	ND	53.7	ND	7.6	3.1	ND	ND	32.4	0.98	ND	ND	39.5	20.8
	3.0		ND	3.5	67	ND	ND	51.3	6	9.9	2.6	0.25	ND	43	0.95	ND	ND	42.2	26.3
B16	0.3		ND	3.7	82	ND	ND	54.5	6.2	25.2	**71.4 (7.4) {ND}**	ND	ND	32.4	0.77	ND	ND	35.9	128
	1.5		ND	3.8	56	ND	ND	47.6	9.1	13.4	3.3	ND	ND	41.2	1.2	ND	ND	43.7	26.9
	3.0		ND	2.9	59	ND	ND	47.2	6.1	8.4	2.3	ND	ND	37.5	0.7	ND	ND	34.6	25.9
	4.5		ND	2.1	56	ND	ND	55.7	ND	8.5	2.4	ND	ND	36.3	0.91	ND	ND	33.5	24.7
TTLC			500	500.0	10,000	75	100	500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC			15	5.0	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250

Notes:

B1 = Boring Number

Depth is presented in meters below ground surface

ND = not detected at or above the laboratory detection limits, as presented in Appendix C. Detection limits may vary by batch.

Metals are designated by their symbol on the periodic table of elements.

All samples are reported as total concentration in milligrams per kilogram (mg/kg), unless indicated.

[ND] = Hexavalent Chrome Concentration

(3.3) = Soluble concentration after a WET, presented in milligrams per liter (mg/l)

(3.3) = Soluble concentration after a TCLP, presented in milligrams per liter (mg/l)

TABLE 2

SUMMARY OF SOIL ANALYTICAL RESULTS: ORGANICS
INTERSTATE HIGHWAY 880, BETWEEN BROADWAY/JACKSON , OAKLAND, CALIFORNIA

BORING	DEPTH	FOOTING	TPH-Gasoline	TPH-Diesel	TPH-Motor Oil	TOC	VOCs	SVOCs
B5	0.3	4	<1	<10	140*	---	ND	ND
	1.5		<1	<10	<10	---	ND	ND
	3		<1	<10	<10	---	ND	ND
	4.5		<1	<10	<10	<0.05	ND	ND
B6	0.3		<1	<10	51*	---	ND	ND
	1.5		<1	<10	<10	0.069	ND	ND
	3		<1	<10	<10	---	ND	ND
B7	0.3	5	<1	<10	120*	<0.05	ND	ND
	1.5		<1	<10	<10	---	ND	ND
	3		<1	<10	<10	---	ND	ND
	4.5		<1	<10	<10	---	ND	ND
B8	0.3		<1	<10	180*	---	ND	ND
	1.5		<1	<10	<10	---	ND	ND
	3.0		<1	<10	<10	<0.05	ND	ND
B11	0.3	6	<1	<10	180*	0.28	ND	ND
	1.5		<1	<10	<10	---	ND	ND
	3.0		<1	<10	<10	---	ND	ND
	4.5		<1	<10	<10		ND	ND
B12	0.3		<1	<10	40*	---	ND	ND
	1.5		<1	<10	<10	0.21	ND	ND
	3.0		<1	<10	<10	---	ND	ND
B13	0.3	7	<1	<10	1,000*	---	ND	ND
	1.5		<1	<10	120*	---	ND	ND
	3.0		<1	<10	16*	---	ND	ND
	4.5		<1	<10	<10	<0.05	ND	ND
B14	0.3		<1	<10	<10	0.13	ND	ND
	1.5		<1	<10	200*	---	ND	ND
	3.0		<1	<10	<10	---	ND	ND
B15	0.3	8	<1	<10	130*	---	ND	ND
	1.5		<1	<10	<10	0.088	ND	ND
	3.0		<1	<10	<10	---	ND	ND
B16	0.3		<1	<10	180*	---	ND	ND
	1.5		<1	<10	<10	---	ND	ND
	3.0		<1	<10	<10	<0.05	ND	ND
	4.5		<1	<10	<10	---	ND	ND

Notes:

B1 = =Boring Number

Depth is presented in meters below ground surface

ND = Not Detected at laboratory detection limit presented in Appendix C, detection limits may vary from sample to sample

All samples are reported as total concentration in milligrams per kilogram (mg/kg), unless indicated.

Soil resullts do not include acetone, bis (2-Ethylhexyl) phthalate, or phenol, as they are common laboratory contaminants or naturally occuring

*530 = TPH-MO concentrations did not match the typical TPH-MO profile, but were quantified using TPH-MO as a standard.

VOC = Volatile Organic Compounds

SVOC = Semi-Volatile Organic Compounds

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS: METALS
INTERSTATE HIGHWAY 880, BETWEEN BROADWAY/JACKSON , OAKLAND, CALIFORNIA

SAMPLE	SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	MO	NI	SE	AG	TL	V	ZN
B7-W	ND	ND	**0.078**	ND	ND	ND	ND	ND	ND	ND	ND	**0.046**	ND	ND	ND	ND	ND
B9-W	ND	ND	**0.067**	ND	ND	ND	ND	ND	ND	ND	ND	**0.059**	ND	ND	ND	ND	ND
B13-W	ND	ND	**0.081**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
ND = not detected at or above the laboratory detection limits, as presented in Appendix C. Detection limits may vary by batch.
Metals are designated by their symbol on the periodic table of elements.
All samples are reported as total concentration in milligrams per liter (mg/l), unless indicated.

TABLE 4

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS: ORGANICS
INTERSTATE HIGHWAY 880, BETWEEN BROADWAY/JACKSON , OAKLAND, CALIFORNIA

SAMPLE	TPH-Gasoline	TPH-Diesel	TPH-Motor Oil	VOCs	SVOCs
B7-W	ND	ND	ND	ND	ND
B9-W	ND	ND	ND	ND	ND
B13-W	ND	ND	ND	ND	ND

Notes:

ND = Not Detected at laboratory detection limit reported in Appendix C. Detection limits may vary from sample to sample

All samples are reported as total concentration in milligrams per liter (mg/l), unless indicated.

VOC = Volatile Organic Compounds

SVOC = Semi-Volatile Organic Compounds

SOIL BORING LOG

BORING NO: B5
SHEET 1 OF 1

PROJECT NAME: Caltrans - Alameda
PROJECT NUMBER: 575-1G043 DATE: 10/22/01

DRILLING COMPANY: V&W Drilling
DRILLING METHOD: Geoprobe
BORING DIAMETER: 2" DEPTH: 4.5 Meters

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS

DEPTH (METERS)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					GRAVELLY SAND, brown, well graded, fine to course sand		SW	
					moist			
					SAND, brown, poorly graded, medium sand, trace clay, moist		SP	
1								
						0		
2								
3						0		
								wet
4								
5								Boring terminated at 4.5 Meters
								Borehole backfilled with cement grout.

Reviewed By:

LOGGED BY: Chris Merritt

SOIL BORING LOG

BORING NO: B6
SHEET 1 OF 1

PROJECT NAME: Caltrans - Alameda
PROJECT NUMBER: 575-1G043 DATE: 10/22/01

DRILLING COMPANY: V&W Drilling
DRILLING METHOD: Geoprobe
BORING DIAMETER: 2" DEPTH: 3.0 Meters

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
	No Groundwater Encountered	

DEPTH (METERS)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					GRAVELLY SAND, brown, well graded, fine to course sand		SW	
					moist			
					SAND, brown, poorly graded, medium sand, moist		SP	
1								
					trace fines	0		
2								
3								
								Groundwater
4								
5								Boring terminated at 4.5 Meters
								Borehole backfilled with cement grout.
6								

Reviewed By:

LOGGED BY: Chris Merritt

SOIL BORING LOG

BORING NO: B7
SHEET 1 OF 1

PROJECT NAME: Caltrans - Alameda
PROJECT NUMBER: 575-1G043 DATE: 10/23/01

DRILLING COMPANY: V&W Drilling
DRILLING METHOD: Geoprobe
BORING DIAMETER: 2" DEPTH: 5.2 Meters

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
10/22/01		5.2 Meters

DEPTH (METERS)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					GRAVELLY SILTY SAND, brown, well graded, fine to course sand		SW	
					moist			
					SAND, brown, poorly graded, medium sand, moist, trace clays		SP	
1								
						0		
2								
3						0		
4								
5								Hydropunched to 5.2 meters
								Groundwater encountered at 5.2 Meters
								Boring terminated at 5.2 Meters
6								Borehole backfilled with cement grout.

Reviewed By:

LOGGED BY: Chris Merritt

SOIL BORING LOG

BORING NO: B8
SHEET 1 OF 1

PROJECT NAME: Caltrans - Alameda
PROJECT NUMBER: 575-1G043 DATE: 10/23/01

DRILLING COMPANY: V&W Drilling
DRILLING METHOD: Geoprobe
BORING DIAMETER: 2" DEPTH: 3.0 Meters

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
	No Groundwater Encountered	

DEPTH (METERS)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
1					GRAVELLY SAND, brown, well graded, fine to course sand moist		SW	Concrete Debris and Rock Debris
2					SAND, brown, poorly graded, medium sand, moist	0	SP	
3						0		
4								Boring terminated at 3.0 Meters Borehole backfilled with cement grout.
5								
6								

Reviewed By:

LOGGED BY: Chris Merritt

SOIL BORING LOG

BORING NO: B9
SHEET 1 OF 1

PROJECT NAME: Caltrans - Alameda
PROJECT NUMBER: 575-1G043 DATE: 10/23/01

DRILLING COMPANY: V&W Drilling
DRILLING METHOD: Geoprobe
BORING DIAMETER: 2" DEPTH: 5.2 Meters

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
10/22/01		5.2 Meters

DEPTH (METERS)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					GRAVELLY SILTY SAND, brown, well graded, fine to course sand		SW	
					moist			
					SAND, brown, poorly graded, medium sand, moist, trace clays		SP	
1								
						0		
2								
3						0		
4								
5								Groundwater encountered at 5.2 Meters
								Boring terminated at 5.2 Meters
6								Borehole backfilled with cement grout.

Reviewed By:

LOGGED BY: Chris Merritt

SOIL BORING LOG

BORING NO: B10

SHEET 1 OF 1

PROJECT NAME: Caltrans - Alameda

PROJECT NUMBER: 575-1G043 DATE: 10/23/01

DRILLING COMPANY: V&W Drilling

DRILLING METHOD: Geoprobe

BORING DIAMETER: 2" DEPTH: 3.0 Meters

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
	No Groundwater Encountered	

DEPTH (METERS)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
1					GRAVELLY SAND, brown, well graded, fine to course sand		SW	
					moist	0		
								Boring terminated at 1.0 Meter
								Borehole backfilled with cement grout.
								Drill Refusal
2								
3								
4								
5								
6								

Reviewed By:

LOGGED BY: Chris Merritt

SOIL BORING LOG

BORING NO: B11
SHEET 1 OF 1

PROJECT NAME: Caltrans - Alameda
PROJECT NUMBER: 575-1G043 DATE: 10/22/01

DRILLING COMPANY: V&W Drilling
DRILLING METHOD: Geoprobe
BORING DIAMETER: 2" DEPTH: 4.5 Meters

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
	No Groundwater Encountered	

DEPTH (METERS)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					GRAVELLY SAND, brown, well graded, fine to course sand		SW	
					moist	0		
					SAND, brown, poorly graded, medium sand, trace clay, moist		SP	
1								
						0		
2								Rust staining noted
3								
						0		
4								
						0		
5								Boring terminated at 4.5 Meters
								Borehole backfilled with cement grout.
6								

Reviewed By:

LOGGED BY: Chris Merritt

SOIL BORING LOG

BORING NO: B12
SHEET 1 OF 1

PROJECT NAME: Caltrans - Alameda
PROJECT NUMBER: 575-1G043 DATE: 10/23/01

DRILLING COMPANY: V&W Drilling
DRILLING METHOD: Geoprobe
BORING DIAMETER: 2" DEPTH: 3.0 Meters

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
	No Groundwater Encountered	

DEPTH (METERS)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
1					GRAVELLY SAND, brown, well graded, fine to course sand, moist		SW	
2					SAND, brown, poorly graded, medium sand, moist	0	SP	Brick Debris noted
3						0		
4								Boring terminated at 3.0 Meters Borehole backfilled with cement grout.
5								
6								

Reviewed By:

LOGGED BY: Chris Merritt

SOIL BORING LOG

BORING NO: B13
SHEET 1 OF 1

PROJECT NAME: Caltrans - Alameda
PROJECT NUMBER: 575-1G043 DATE: 10/24/01

DRILLING COMPANY: V&W Drilling
DRILLING METHOD: Geoprobe
BORING DIAMETER: 2" DEPTH: 5.2 Meters

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
10/22/01		6.0 Meters

DEPTH (METERS)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					SAND, brown, well graded, fine to medium sand		SP	
					moist			
1								
						0		some brick fragments
2								
3						0		
4								
						0		
5								
6								Groundwater encountered at 6.0 Meters
								Boring terminated at 6.0 Meters
								Borehole backfilled with cement grout.

Reviewed By:

LOGGED BY: Chris Merritt

SOIL BORING LOG

BORING NO: B14
SHEET 1 OF 1

PROJECT NAME: Caltrans - Alameda
PROJECT NUMBER: 575-1G043 DATE: 10/24/01

DRILLING COMPANY: V&W Drilling
DRILLING METHOD: Geoprobe
BORING DIAMETER: 2" DEPTH: 3.0 Meters

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
	No Groundwater Encountered	

DEPTH (METERS)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					SAND, dark brown, well graded, fine to medium sand		SP	
					moist	0		
1								
					turns to brown	0		some brick fragments
2								
3						0		
								Boring terminated at 3.0 Meters
								Borehole backfilled with cement grout.
4								
5								
6								

Reviewed By:

LOGGED BY: Chris Merritt

SOIL BORING LOG

BORING NO: B15
SHEET 1 OF 1

PROJECT NAME: Caltrans - Alameda
PROJECT NUMBER: 575-1G043 DATE: 10/24/01

DRILLING COMPANY: V&W Drilling
DRILLING METHOD: Geoprobe
BORING DIAMETER: 2" DEPTH: 3.0 Meters

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
	No Groundwater Encountered	

DEPTH (METERS)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
1					SILTY SAND, brown, with gravel		SM	
2					SAND, brown, well graded, fine to medium sand moist	0	SP	
3						0		Boring terminated at 3.0 Meters Borehole backfilled with cement grout.
4								
5								
6								

Reviewed By:

LOGGED BY: Chris Merritt

SOIL BORING LOG

BORING NO: B16
SHEET 1 OF 1

PROJECT NAME: Caltrans - Alameda
PROJECT NUMBER: 575-1G043 DATE: 10/24/01

DRILLING COMPANY: V&W Drilling
DRILLING METHOD: Geoprobe
BORING DIAMETER: 2" DEPTH: 4.5 Meters

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
	No Groundwater Encountered	

DEPTH (METERS)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
1					SILTY SAND, brown, with gravel		SM	
2					SAND, brown, poorly graded, fine to medium sand moist	0	SP	
3								
4						0		
5								Boring terminated at 4.5 Meters Borehole backfilled with cement grout.
6								

Reviewed By:

LOGGED BY: Chris Merritt