WEBCOR BUILDERS
2755 Campus Drive, Suite 175
San Mateo, California 94403-2514
(650) 349-2727 Fax (650) 578-8158

ENVIRONMENTAL PROTECTION
00 FEB -3 AM 10: 09

(510)595 2340 Fax

SMC

February 2, 2000

Susan Hugo
Alameda County
Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd floor
Alameda, CA 94502-6577

RE: Emerystation 3, Former Chevron Asphalt Plant

Dear Ms. Hugo,

The following is a narrative describing the processes Webcor Builders is taking to excavate the Emerystation 3 site located at 5855 Horton Street, Emeryville California.

As you are aware, Chevron has tested soil on the site to determine the concentration chemicals in the soil. Please see exhibit "A". The soil has been profiled and determined to be Class II cover soil. Grids G-7, G-12, and G-14 were given profile #53796500, flag color green. All other grids were given profile #53796600, flag color yellow except for G-31, which was found to have concentrations of lead. The profile number for G-31 is 53796501. All material is to be transported to the Altamont Landfill.

As a condition of soil acceptance at the Altamont Landfill, each load must be accompanied by one of the above mentioned profile forms. Please see exhibit "B".

Grid's G-7, G-12, G-14, G-31 were marked out by Gettler-Ryan, Chevron's representative on the project. When grid G-31 was excavated it was observed by Gettler-Ryan, stockpiled and more testing performed.

Day to day excavation activities include the following:

1. Trucks arrive to the site at 6:30 am.
2. Excavation operation begins at 7:00 am per the City of Emeryville's conditions.
3. The excavator loads the trucks.
4. A profile tag is given to each truck.
5. All trucks are carefully inspected before they leave the site to ensure they are free of soil before they enter the roadway. If trucks need to be cleaned, a washing station has been placed on the site.
6. The trucks follow a route designated by the city to get on to 580.
7. The truck travel east on 580 to 980 to 880 South. The trucks then take 238 back to 580 East, then exit at Altamont pass road and proceed to the WMX landfill.
8. Profile tags are given to the landfill.
9. Material is dumped in the designated areas.

Handling of the lead material:

1. Gettler-Ryan, and a representative on site identified grid G-31 until the cell was completely removed.
2. Material was placed on 6-mil visqueen and covered to eliminate any intrusion of water or cross contamination of soil.
3. Material was profiled, and designated to be class II material and brought to the Altamont landfill.

Miscellaneous Activities

1. Before any one is allowed to work on the site, Webcor goes through the Health and Safety plan, and informs them of the contaminants on the site.
2. Washing stations are on the site for individuals who come in contact with soil.
3. The asphalt is left on the parking lot until that area is excavated.
4. Drain rock has been placed on the site to prevent soil from getting on to the roadway.

Wareham Properties, and Webcor have obtained a discharge permit from EBMUD. All information regarding the groundwater in the area was provided to EBMUD in order for them to make their decision. Please see attached information provided as well as the Discharge Permit. The following are the activities that Webcor takes before and during discharge.

1. Water is pumped from the excavation into a sand filter.
2. The material is pumped from the sand filter into a carbon filter and sampled. The supplier of the carbon filter was given all of the data for the contaminants in the ground water and a proper filter was selected.
3. The groundwater is then stored in a Baker Tank until results are returned from the testing lab. This provided in 24 hours.
4. Once the results are provided and come back clean water is discharged it the sanitary sewer.
5. All results and amounts discharged are placed in a binder and will be given to EBMUD per the conditions of the Discharge Permit.

If you have any questions regarding any of the processes we have taken on this project, please feel free to call me at (510) 595-2330.

Yours Very Truly,

Eric Owen
Project Manager

Cc: Rich Robbins – Wareham
Geoff Sears Wareham
Claudia Cappio – City of Emeryville
Ignacio Dayrit – City of Emeryville
John Kerely – Webcor Builders
Tom Mead – Webcor Builders

File

WEBCOR BUILDERS

WEBCOR BUILDERS

2755 Campus Drive, Suite 175
San Mateo, CA 94403
(650) 349-2727 Fax: (650) 578-8158

Emerystation 3
Webcor Builders Jobsite Office:
5955 Horton Street
Emeryville, CA 94608
510/595-2330 Fax: 510/595-2340

new address [illegible] extension [illegible] renamed

Transmitted To
City of Emeryville

Date	Reference #	Transmitted For	Transmitted By
12/23/99	0011	Information	Hand Horton

Qty	Item	Description	Notes
1		EBMUD Discharge Permit	
1		Health & Safety Plan	
1		Soil Testing Data with Map	
1		Ground Water Test Data	
1		Landfill Waste Acceptance Forms	

Remarks	Copies To

SLIC 4315

1/31/2000
Faxed to Ignacio Dayrit:
* Wareham has not informed or contact this agency re's work @ EmeryStation #3
* Hot spot lead @ 600 ppm: how will this be address - will confirmation sample be taken?
* Soil management plan - 2 types ← TPH stockpile / class II cover soil (green); Class II cover soil (yellow)
  Landfill acceptance - how will this be address
* GW management plan - Eric Owens
* Health & Safety Manager - Eric Owens
  Project Manager
* HESP pg 3 Table 1 should be changed 600 ppm No detected
  description of project: how deep will the excavation be?
* will [illegible]

00 JAN 31 AM 9:09
ENVIRONMENTAL PROTECTION

Submitted By: Eric Owen

EAST BAY
MUNICIPAL UTILITY DISTRICT

ENVIRONMENTAL
PROTECTION
00 FEB -3 AM 10: 09

FILE

DAVID R. WILLIAMS
DIRECTOR OF WASTEWATER

COPY

CERTIFIED MAIL
(Return Receipt Requested)
Certified Mail No. Z 245 395 525

Erie Owen

December 26, 1999

Mr. Geoffry Sears
Wareham Development Group
2755 Campus Drive, Suite 175
San Mateo, CA 94403

Dear Mr. Sears:

Re: Wastewater Discharge Permit No. 504-29911

Enclosed is the Wastewater Discharge Permit for the treated groundwater discharge from your facility located at 5955 Horton Street, Emeryville, effective December 27, 1999 through December 26, 2000. Please read the Permit Terms and Conditions and the attached Standard Provisions and Reporting Requirements. As a Permit holder, you are legally responsible for complying with all Permit conditions and requirements.

Wareham Development Group shall report to the Source Control Division any changes, either permanent or temporary, to the premises or operation that significantly affect either the volume or quality of wastewater discharged or deviate from the Terms and Conditions under which this Permit is granted.

If you have any questions regarding this matter, please contact Trish Maguire of the Source Control Division at (510) 287-1727.

Sincerely,

for JGD

JOSEPH G. DAMAS, JR.
Manager of Source Control

JGD: PEM: pem

w:\ids\permits\groundwater\Wareham Development Group\permit.doc

Enclosures

EBMUD 1923 75 1998

EBMUD

WASTEWATER DISCHARGE PERMIT
Terms and Conditions
APPLICANT INFORMATION

PERMIT NUMBER 504-29911

RECEIVED
DEC 7 1999
SOURCE CONTROL DIVISION

APPLICANT BUSINESS NAME
WAREHAM DEVELOPMENT GROUP

PERSON TO BE CONTACTED IN EVENT OF EMERGENCY
GEOFFRY SEARS (Name)
415-457-4964 (Day Phone) ____ (Night Phone)
415-459-4605 (Fax Number)

ADDRESS OF PREMISES DISCHARGING WASTEWATER
5955 HORTON STREET (Street Address)
EMERYVILLE (City) ____ (Zip Code)

PERSON TO BE CONTACTED ABOUT THIS APPLICATION
ERIC OWEN (Name)
PROJECT MANAGER (Title)
595-2330 (Day Phone) 595-2340 (Fax Number)

FACILITY MAILING ADDRESS
2755 CAMPUS DRIVE, SUITE 176 (Street Address)
SAN MATEO CA 94403 (City) (Zip Code)
ERICO@WEBCOR.COM (Electronic Mail Address (E-Mail))

CHIEF EXECUTIVE OFFICER/DULY AUTHORIZED REPRESENTATIVE
Geoffrey Sears. (Name(printed)) PROJECT MANAGER (Title)
1120 NYE STREET, SUITE 400 (Street Address) SAN RAFAEL (City) 94901 (Zip Code)

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature (see certification requirements on reverse)

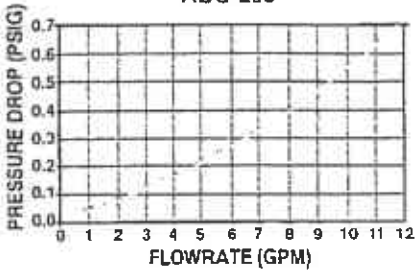
Date

Revised 6/26/97

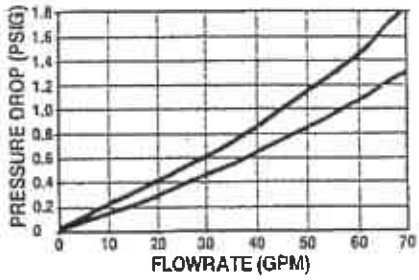
AQUA-SCRUB™

WATER TREATMENT

ASC-200



ASC-1200 (RED)
ASC-2000 (BLUE)



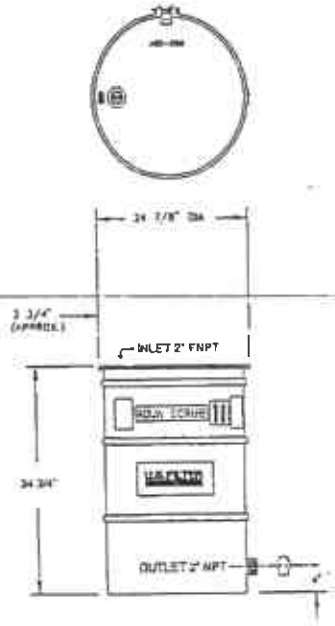
Vessel Specifications	ASC-200	ASC-1200	ASC-2000
Overall Height (approx.)	34-3/4"	62"	86"
Inlet/Outlet Connection	2"	4" FNPT	4" FNPT
Manhole	Top	16"	16"
Internal Piping	PVC	PVC	PVC
Interior Coating	Heat-cured	Fusion-bonded	Fusion-bonded
Liner	Phenolic Epoxy	Epoxy	Epoxy
Exterior Coating (all units)		Epoxy Urethane	Epoxy Urethane
Carbon Fill Volume (cu.ft.)	6.9	35	62
Cross Section (sq.ft.)	2.8	11.2	11.2
Vessel Weight (lbs.):			
Shipping (with KG-401 carbon)	250	1620	2540
Operating (approx.)	500	3500	5600

Operating Specifications	ASC-200	ASC-1200	ASC-2000
Flow, gpm (max)	10	50	50
Pressure, psig (max.)	15	15	15
Temperature °F. (max.)	140°	140°	140°
Pounds of SKG-401			
Activated Carbon	200	1000	1800
Contact time @ max. flow/min:	5	5	10
Backflush rates (GPM)	5	25	25

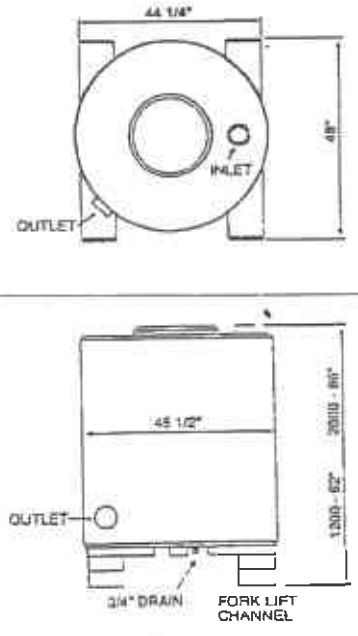
Reactivation of Spent Carbon

At the time of purchase or rental of the Aqua-Scrubs™, arrangements should be made for the reactivation of the spent carbon. U.S. Filter/Westates will provide instructions and assistance to obtain acceptance of the RCRA or non-RCRA spent carbon for reactivation. Aqua-Scrubs™ must be drained and the inlet/outlet plugged prior to shipment. Spent carbon cannot be received until the acceptance process has been completed.

ASC-200



ASC-1200/2000



Drawings not to scale

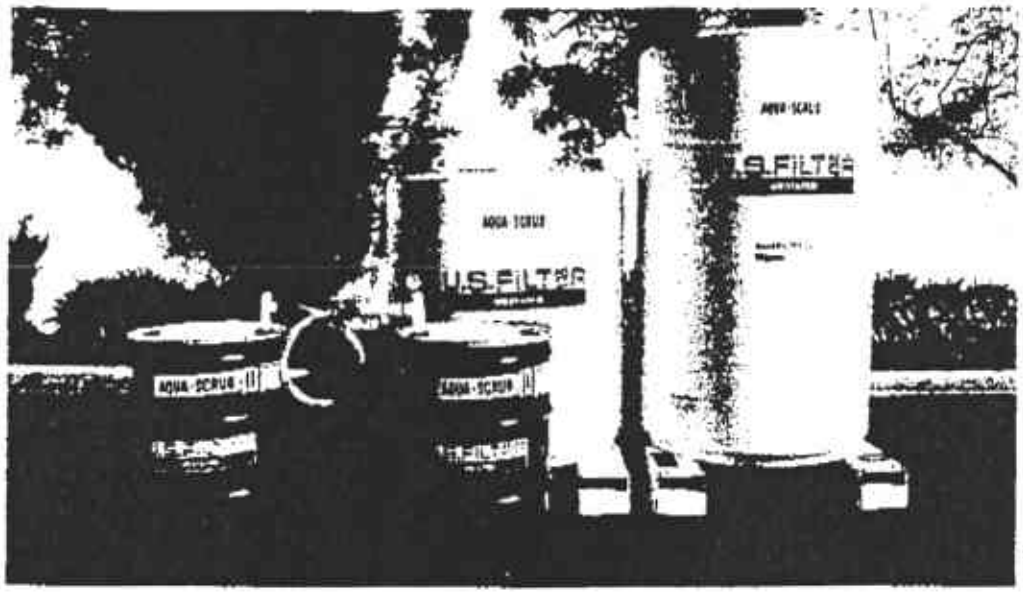
100% water

U.S. FILTER
WESTATES

Taking care of the world's water.

U.S.Filter/Westates
Baytown, TX 800-659-1723
Warren, NJ 800-659-1717
Los Angeles, CA 800-659-1771
Oakland, CA 800-659-1718

AQUA-SCRUB™
WATER TREATMENT



The Aqua-Scrubs™ are designed for use in low flow and low pressure applications. The Aqua-Scrubs™ can be cost effectively used in applications including:

- **Groundwater remediation**
- **Wastewater filtration**
- **Tank rinse water treatment**
- **Pilot testing**
- **Underground storage tank clean up**
- **Leachate treatment**
- **Dechlorination**
- **Spill cleanup**

Benefits and Features:

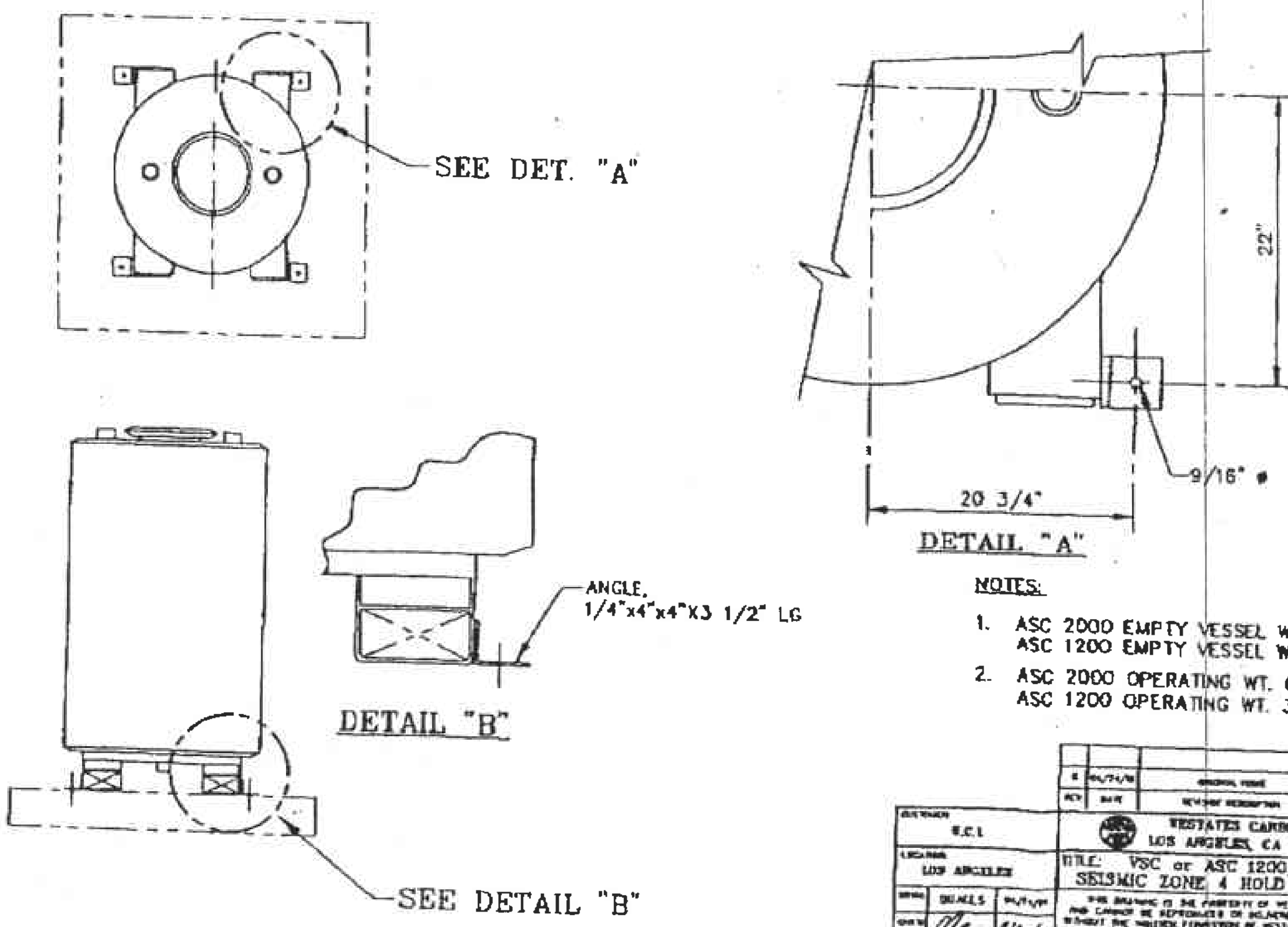
- The ASC-200 is constructed of 16 gauge steel per U.N. specifications. The ASC-1200 and ASC-2000 are constructed of 10 gauge steel and have a durable, corrosion resistant fusion bonded epoxy internal lining.
- The ASC-1200/2000 can be easily moved using a forklift and are constructed for easy installation and operation
- Spent carbon can be returned to U.S. Filter/Westates for reactivation without removing it from the Aqua-Scrubs™.
- ASC-1200/ASC-2000's are available for rental and purchase. The Aqua-Scrubs™ will be serviced by either vessel exchange or by our OSHA trained personnel via on-site carbon changeout.
- Aqua-Scrubs™ are designed to provide uniform water flow for consistent treatment and to ensure efficient carbon usage.
- Aqua Scrubs™ are D.O.T. approved to transport hazardous spent carbon.
- Aqua-Scrubs™ can be filled with reactivated or virgin carbon.
- A full line of hose kits, piping systems and particulate filters are available for all of the Aqua-Scrub™ units to fit your needs.
- Adapters are available to reduce the inlet/outlet to 1" FNPT and 2" FNPT for the ASC-200 and ASC-1200/2000 respectively.

Installation, Start up and Operation

The Aqua-Scrubs™ are shipped filled with dry activated carbon that must be properly wetted and deaerated prior to use.

Contact your account manager for details on installation, preferred operating conditions and carbon usage calculations using our extensive isotherm data base.

U.S.FILTER
WESTATES

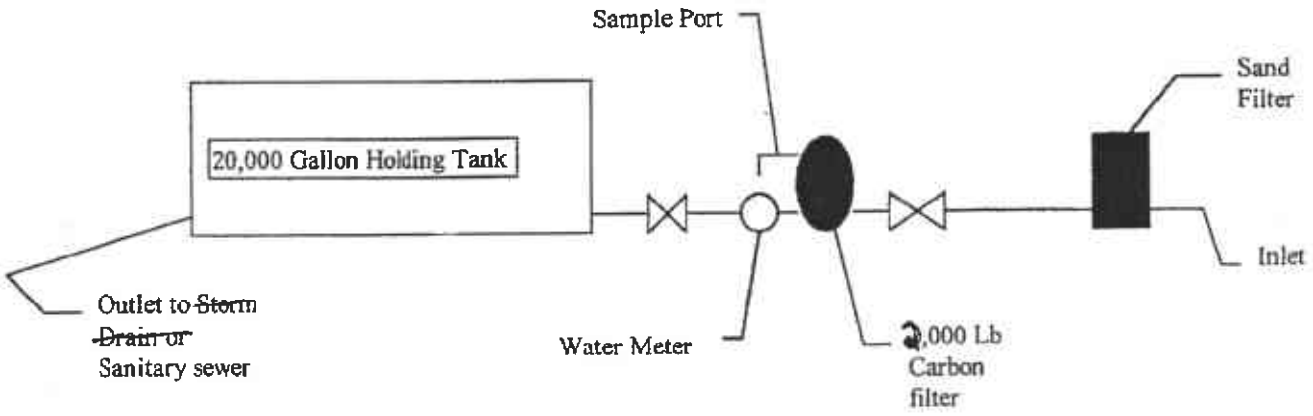


NOTES:

1. ASC 2000 EMPTY VESSEL WT. 2500#.
   ASC 1200 EMPTY VESSEL WT. 1800#.
2. ASC 2000 OPERATING WT. 6600#.
   ASC 1200 OPERATING WT. 3800#.

E.C.I
LOS ANGELES
WESTATES CARBON
LOS ANGELES, CA 90040
TITLE: VSC or ASC 1200/2000
SEISMIC ZONE 4 HOLD DOWN LUG

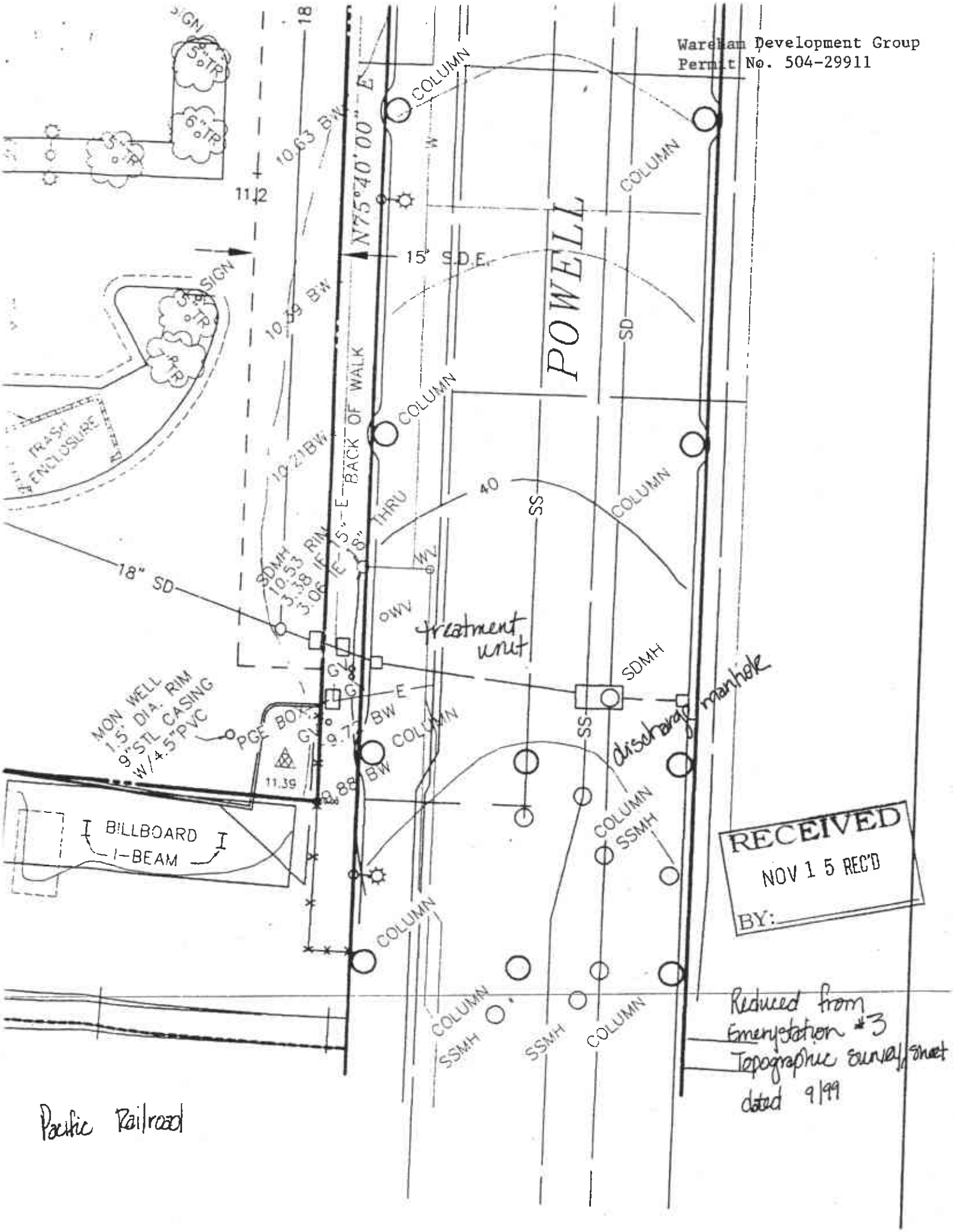
Wareham Development Group
Permit No. 504-29911



Emerystation #3 Water Treatment Unit
Sand filter and carbon unit can operate up to 50 GPM.
Periodic sampling will be required from the sample port or the holding tank.

DJK Construction Inc.
925-778-8255

Wareham Development Group
Permit No. 504-29911



RECEIVED
NOV 1 5 REC'D
BY:

Reduced from Emergetation #3 Topographic survey sheet dated 9/99

EBMUD

WASTEWATER DISCHARGE PERMIT
Terms and Conditions
PROCESS DESCRIPTION

FACILITY NAME Wareham Development Group

PURPOSE - The Process Description is intended to provide a description of the primary business activities and the substances which may enter into the wastewater from the business activity.

Permit Number: 504-29911

BUSINESS ACTIVITY	Standard Industrial Classification	Business Classification Code
CONSTRUCTION OF A NEW PARKING LOT		4950

DESCRIPTION OF PRODUCT

TYPE OF PRODUCT OR BRAND NAME	QUANTITIES - INDICATE UNITS: Past Year __/____ to __/____ (Mo. Year Mo. Year)	Estimated This Year 11/99 to 4/00 (Mo. Year Mo. Year)
GROUND WATER PUMPED FROM OPEN EXCAVATION		

PROCESS DESCRIPTION

Process Description (List all wastewater generating operations)	Characteristics (List all substances that may be discharged to the sewer)	Process Number (From Schematic)
PRE-TREATMENT OF GROUND WATER PUMPED FROM OPEN EXCAVATION	N/A	

PRETREATMENT FACILITIES

Pretreatment: Check the type of treatment, if any, given wastewater before it is discharged to the community sewer:

☐ None ☒ holding tank ☐ grease trap ☐ oil and water separator ☐ grinding ☐ sedimentation ☐ pH adjustment
☐ biological treatment ☒ screening ☐ chlorination ☒ other (describe) ACTIVATED CARBON

Description: Describe the loading rates, design capacity, physical size, etc. of each pretreatment facility checked above. Identify the side sewer to which treated wastewater is discharged.

20,000 GALLON HOLDING TANK. 10 MICRON SOCK FILTER, 2000 LB CARBON UNIT.

OTHER WASTES: List the type and volume of liquid waste and sludge removed from the premises by means other than the community sewer.

Facility EPA Generator I.D. Number _____

Waste removed by Name, address, State Transporter I.D. No.	Type of Waste Example: Alkaline cleaners, Organic solvents	EPA Waste No.	State Waste No.	Quantity generated lbs. or gal. /month
N/A				

Revised 6/26/97

EBMUD

FACILITY NAME Wareham Development Group

WASTEWATER DISCHARGE PERMIT
Terms and Conditions
STRENGTH SUMMARY

PURPOSE: This information will identify for EBMUD the variation in flow rate and the type of constituents and characteristics of the discharge for each side sewer.

Permit Number 504-29911

Side Sewer No. 1 Side Sewer Location Powell St.

Wastewater Flow Rate

Peak Hourly (gallons/minute)	Maximum Daily (gallons/day)	Annual Daily Average (gallons/day)	Max. Monthly (CCF *)
50 gpm	20,000	5,000	130 CCF

* CCF = hundred cubic feet = 748 gallons

Discharge Frequency

Discharge Period

☐ Continuous ☐ 24 hrs./day
☐ 365 day/year; or

a. Time of day from 6:00 AM to 8:00 PM

b. Days of the week 5

Batch Discharge(s)

a. Day(s) of the week MON-FRI b. Time(s) of the day 6AM-8PM

c. Volume discharged _____ d. Rate of Discharge 100 GPM

Stormwater Area - Total area in square feet exposed to stormwater, rainwater, and groundwater and draining to this side sewer _____ sq. ft.

Wastewater Strength Estimates - Enter the average annual and maximum wastewater strength for this side sewer for each of the following elements of wastewater strength for the period covered by the Permit. These values will become the basis for sewage disposal charges and are the average and maximum limits on the elements of the discharger's wastewater strength.

Elements of Wastewater Strength	Unit	Average	Maximum
Total Suspended Solids (TSS)	mg/L	200*	5000*
Filtered Chemical Oxygen Demand (CODF)	mg/L	N/A	

*before treatment

Provide the name and address of the laboratory and the State of California, Department of Health Services, Environmental Laboratory Accreditation Program Certificate Number of the laboratory performing self-monitoring analyses.

Name MCCAMPBELL ANALYTICAL, INC. Telephone (925) 798-1620

Street 110 2ND AVE SOUTH #D7 City PACHECO State CA Zip 94553-5560

Certificate Number _____

EBMUD

WASTEWATER DISCHARGE PERMIT
Terms and Conditions
WATER SOURCE AND USE

FACILITY NAME Wareham Development Group

PURPOSE: This information will enable EBMUD to evaluate the volumes and source(s) of wastewater discharged to the community sewer.

Permit Number 504-29911

Water Use and Disposition Estimate the average quantity of water received and wastewater discharged daily.
NOTE: Show on a separate sheet the METHOD AND CALCULATIONS used to determine the quantities shown on the table.

	Supply From			Discharged To		
	EBMUD	Other (1)		Community Sewer	Other (2)	
WATER USED FOR:	gal/day	gal/day	code	gal/day	gal/day	code
SANITARY						
PROCESSES						
BOILER						
COOLING						
WASHING						
IRRIGATION						
OTHER (3)		5,000	a.	5,000		
TOTAL		5,000		5,000		

Notes:

(1) Enter the quantity and the appropriate code letter indicating the source:
a. well b. creek c. estuary d. bay e. stormwater f. reclaimed water

(2) Enter the quantity and the appropriate code letter indicating the discharge point:
a. well b. creek c. estuary d. bay e. stormdrain f. rail, truck, barge g. evaporation h. product

(3) Describe: _____

Total Number of Employees Total n/a

	Office		Production (number of employees per shift)					
			Day Shift		Swing shift		Night shift	
	No.	Hours	No.	Hours	No.	Hours	No.	Hours
Weekday		to		to		to		to
Saturday		to		to		to		to
Sunday		to		to		to		to

Source of Wastewater Discharged

Water Meter Number	Use Code (see reverse)	Percent (%) discharged to: Side Sewer									Total % Disch. to all side sewers
		No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	
n/a	W	100									100

Revised 6/26/97

Wareham Development Group
Permit No. 504-29911
Page No. 1

GENERAL CONDITIONS

I. Title I, Section 5 of EBMUD Ordinance No. 311 prohibits the discharge of groundwater to the community sewer. This Permit to discharge treated groundwater is considered a waiver of the prohibition and is issued based on Wareham Development Group's application that discharge of pollutants to the community sewer will be minimized and methods to reclaim the groundwater, to the extent technically and economically feasible, have been made.

II. This Permit is granted to Wareham Development Group to discharge treated groundwater from 5955 Horton Street in Emeryville.

III. Wareham Development Group shall cease discharge of groundwater immediately if not in compliance with any of the Terms and Conditions of this Permit.

IV. Wareham Development Group shall comply with all items of the attached STANDARD PROVISIONS AND REPORTING REQUIREMENTS, 07/96 Revision (SPARR).

COMPLIANCE REQUIREMENTS

I. Wareham Development Group shall not discharge any treated wastewater that is known to be, or suspected of, violating wastewater discharge limitations.

II. Wareham Development Group shall pretreat all groundwater before discharging to the sanitary sewer manhole approved by the City of Emeryville, as referenced in the letter dated November 8, 1999. Pretreatment shall consist of a minimum of processes displayed in the *Emerystation #3 Water Treatment Unit Diagram.*

III. Wareham Development Group shall maintain the pretreatment system in proper operating condition.

IV. Wareham Development Group shall sample and analyze each batch of wastewater before discharge to the sanitary sewer according to specifications listed in Self-Monitoring Reporting Requirements, III. and IV.

COMPLIANCE REQUIREMENTS (continued)

V. Wareham Development Group shall maintain records of operation and maintenance activities on the pretreatment systems. The records shall include, but are not be limited to, meter readings from the flow totalizer at a maximum of monthly intervals; maintenance activities performed; description of operational changes; description of visual observations of the unit for leaks or fouling; and off - haul of hazardous wastes. The records shall be available to the District staff upon request.

REPORTING REQUIREMENTS

I. Violations shall be reported in accordance with Section B, Paragraph II of SPARR.

II. Wareham Development Group shall submit technical reports due on the following dates:

Date Due	Reporting Period
July 26, 2000	December 27, 1999 through June 26, 2000
January 26, 2001	June 27, 2000 through December 26, 2000

The technical reports shall contain the following information, at a minimum:

1. Self-monitoring reports prepared in accordance with the "Self-Monitoring Reporting Requirements" of this Permit.
2. Monthly readings from the flow totalizer measuring volume of the pretreatment system effluent.
3. Volume of groundwater pumped and treated during the reporting period, and a total to date.
4. Description of any operational changes occurred during the reporting period.
5. Certification and signature prepared in accordance with Section B Part V of SPARR, "Signature Requirements".

WASTEWATER DISCHARGE LIMITATIONS

Wareham Development Group shall not discharge wastewater from a side sewer into the community sewer if the strength of the wastewater exceeds the following local limits:

REGULATED PARAMETER	DAILY MAXIMUM
Benzene	0.005 mg/L
Toluene	0.005 mg/L
Ethylbenzene	0.005 mg/L
Xylenes, total	0.005 mg/L

SELF-MONITORING REPORTING REQUIREMENTS

I. Wareham Development Group shall monitor and sample the wastewater discharge into the community sewer in accordance with Section C of SPARR. The sampling shall be performed at the locations and frequency for the parameters specified below.

II. Self-monitoring reports shall contain all laboratory results and the corresponding chain of custody documentation, and signatory requirements.

III. The Sample location shall be the sample tap located on the effluent side of the 2,000 pound Carbon Filter. This sample location shall be referred to as Process Sample Point #1 (PSP #1) in all reports. PSP #1 is shown in the Emerystation #3 Water Treatment Unit Diagram.

IV. Wareham Development Group shall sample each batch of wastewater from PSP #1 before discharge to the sanitary sewer. The effluent shall be analyzed for the following parameters:

Parameter	Sample Type	EPA Method
Benzene	grab	8020 or 624
Toluene	grab	8020 or 624
Ethylbenzene	grab	8020 or 624
Xylenes	grab	8020 or 624

SD-30.7 2/91

Wareham Development Group
Permit No. 504-29911
Page No. 4

MONITORING and TESTING CHARGES

EBMUD Inspections Per Year: 2 @ $540.00 each = $1,080.00 / year

Analyses Per Year:

Parameter	Tests per year	Charge per test	Total Charge per year
EPA 624	2	$179.00	$358.00

Total Monitoring and Testing Charge = $1,438.00 / year
$119.83 / month

WASTEWATER DISPOSAL SERVICE CHARGE

All wastewater discharged will be charged for treatment and disposal service at the Business Classification Code (BCC) unit rate for 4950, Sanitary Collection and Disposal, or 'All other BCC's'. Wastewater charges are determined by multiplyin the metered consumption by the percent discharged, adding any fixed volume, and multiplied by the treatment charge.

Unit Rate = $0.42 /Ccf
Discharge Volume = 130 Ccf/mo. (based on 97,240 gallons/month average)
Wastewater Disposal Charge = $54.60 /mo.

WASTEWATER CAPACITY FEE

The capacity fee is calculated by multiplying the maximum monthly wastewater discharge volume by the applicable fee in effect at start-up. The capacity fee is based on the maximum monthly discharge of 97,240 gallons or 130 Ccf/month.

~~Capacity Fee Rate for Flow: $ 48.76/Ccf/Mo. * 130 Ccf/mo. = $6,338.80~~

Total Capacity Fee = $6,338.80
Monthly Capacity Fee over 36 months = $176.08

SD-30.7 2/91

EBMUD

WASTEWATER DISCHARGE PERMIT
Terms and Conditions

FEES AND WASTEWATER CHARGES

The following fees and charges are due when billed by the District:

Permit Fee (paid)	$2,490.00
Monthly Capacity Fee	$176.08
Monthly Monitoring Charge:	$119.83
Monthly Wastewater Disposal Charge:	$54.60
Total Monthly Charges =	$350.51

The District may change the terms and conditions of a Wastewater Discharge Permit, including changing the average limits on the elements of wastewater strength and rates and charges, from time to time as circumstances may require. The District shall allow a discharger reasonable time to comply with any District required changes in the permit except that a change in average limits of wastewater strength shall immediately affect calculation of the wastewater disposal charge.

Charges listed in this Permit will be assessed on EBMUD bills in accordance with the EBMUD Meter Reading Schedule.

AVERAGE WASTEWATER DISCHARGE *

Last 12 Months
N/A
Preceding 12-24 Months
N/A

* gallons per day

Effective: 12/27/99

Expiration: 12/26/00

Authorization

Permit Holder shall report to EBMUD, Wastewater Department any changes, permanent or temporary, to the premises or operations that significantly change the quality or volume of the wastewater discharge or deviation from the terms and conditions under which this permit is granted.

Permit Holder is hereby authorized to discharge wastewater to the community sewer, subject to said Applicant's compliance with EBMUD Wastewater Control Ordinance No. 311 and permit compliance conditions, reporting requirements and billing conditions.

David R Williams — Director, Wastewater Department

12/28/99 — Date

ACUMEN

INDUSTRIAL HYGIENE INC

1175 FOLSOM STREET SAN FRANCISCO CA 94103

TEL 415 252 0778 FAX 415 252 1411

Health & Safety Plan

Emery Station No. 3
Emeryville, CA

11 November 1998

Acumen Project No: WCB 9803

Prepared for:

Mr. Eric Owen
Webcor Builders, Inc.
2100 Powell Street
Emeryville, CA 94608

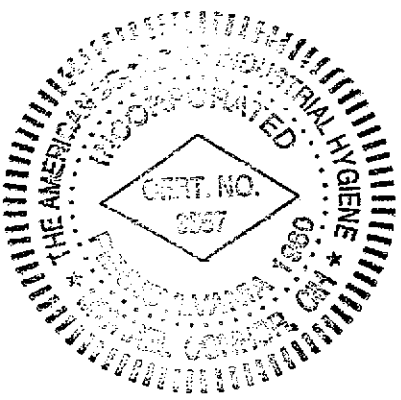


Table of Contents

Health & Safety Plan
Emery Station No. 3
Emeryville, CA

Table of Contents (Cont'd)

Health & Safety Plan
Emery Station No. 3
Emeryville, CA

1.0 Introduction

The purpose of this Health and Safety Plan (HSP) is to provide Webcor Builders, Inc. (WBI), of San Mateo, CA with health and safety at Emery Station No. 3 in Emeryville, CA. Previous investigations show site contaminants to be very low levels of hydrocarbons and metals. VOCs? Although this HSP is directed toward WBI whose work will require them to handle contaminated soils, its provisions also apply to other personnel on site who may have occasion to enter contaminated work areas. This HSP shall be available on site during all activities that require handling of contaminated soils.

This HSP includes the overall general responsibilities of the general contractor and all sub-contractors, to meet minimum prescribed safety provisions in handling contaminated soils or materials. This HSP is not intended to replace work practices or substitute existing safe work practices as described in WBI's and subcontractor's Illness and Injury Prevention Programs (IIPPs) as required in 8CCR3203. These IIPPs are incorporated into this document by reference.

1.1 Overview of work

The work covered by this HSP consists of soils work necessary for the construction of 7 story structure on site. The site location is shown in Figure 1. The site is bordered to the east and south by Landregan Street and Powell Street, respectively, and to the west by the Southern Pacific Railroad right-of-way. The work with consist foundation pile driving and the excavation of a structure. A site risk assessment of conditions conducted by Geraghty & Miller (Raleigh, NC) in 1992, have generally indicated low levels of a number of contaminants (hydrocarbons) in soil and groundwater. This risk assessment, submitted to the Regional Water Quality Control Board, concluded that no further site remediation was required. Known site contaminants are further discussed in Section 3.2. ?

1.2 Site History

The 3 acre site was former a Chevron asphalt plant. The plant was used previously as a storage and transfer facility for petroleum products. Beginning in the early 1950s, the Chevron asphalt plant operated as a laboratory and test facility. It was closed in June 1987. The laboratory tested asphalt composition and experimented with asphalt-based surface coats. A portion of the land was leased to a solvent handler during this same period. Information regarding Chevron's tenants' use of on-site chemicals was not available.

In October 1987, the above-ground fuel storage tanks and associated piping were removed. In 1988, both the loading dock and barrel storage area were removed to allow the removal of approximately 10,400 cubic yards of soils containing hydrocarbons to a depth of 6 feet (Western Geologic Resources [WGR], 1990a). Soils were removed until halocarbons were no longer detected using a portable gas chromatograph. Excavated soils were transported to the American Rock and Asphalt Facility in Richmond, California (WGR, 1990). The excavated area was lined with 10-mil Visqueen plastic sheeting; then it was backfilled with 1.5 inches of clean crushed rock and covered with graded sub-base material.

An additional 256 cubic yards of contaminated soil were excavated and removed from four other locations. Three were within the southwest office/lab building, and the other one was just outside the building area. The excavated areas were backfilled and covered in the same manner as discussed previously.

The former laboratory building was demolished in late 1991. The garage, paint shop, and office/lab building were demolished in May 1992. Due to the presence of stained soils, soil samples were collected from beneath the garage. The presence of hydrocarbons was verified and soil excavation was conducted. Approximately 15 cubic yards of soil were removed then (Geraghty & Miller, Inc., 1992). Overall, the site history indicates that site contamination has been mitigated.

2.0 Project Organization

2.1 Project Manager

The WBI Project Manager, Mr. Eric Owen, has primary responsibility for assuring that all its personnel, and applicable sub-contractors, comply with relevant aspects of this HSP. Specific duties of the WBI Project Manager include the following:

- Notification of all subcontractors of activities that could involve potential work with contaminated soils,
- Notify Cal-OSHA of excavation related work as needed,
- Ensure site has been cleared of underground utilities before excavation and drilling begins.
- Ensure safety procedures comply with applicable federal, state, and local regulations,
- Ensure compliance with this HSP,
- Provide regular pre-task health and safety briefings,
- Investigate accident and incidents promptly.

2.2 Health and Safety Officer

The Health and Safety Officer, Mr. Eric Owen, will be responsible for the following:

- Ensure personal wear the appropriate protective equipment in the work areas (HSP Section 4.0),
- Control access into contaminated areas and ensure that only trained and authorized personnel enter these areas,
- Ensure that site personnel receive necessary training (HSP Section 6.0),
- Conduct periodic inspections of the work area health and safety conditions,
- Assist the project manager with his/her health and safety related responsibilities,
- Stop work if there is any reason to expect that the work cannot be completed safely.

Mr. Owen shall have the necessary training as described in Section 6.0 of this HSP. He shall be on-site as necessary whenever there is work that requires the handling of contaminated materials, as directed by the project manager.

3.0 Hazard Analysis

3.1 Routes of Exposure

In dealing with any hazardous or potentially hazardous substance, all routes of exposure should be protected as necessary. These routes and methods to minimize exposure are described below.

3.1.1 Inhalation

Inhalation is the most common route of occupational exposure to gases, vapors, mists, fumes or dusts. It may result in respiratory damage and/or may cause systemic illness. The risk of such adverse effects depends on the airborne concentration and on the nature of the contaminant(s). The California Division of Occupational Safety and Health (Cal-OSHA) has promulgated Permissible Exposure Levels (PELs) for airborne contaminants. PELs represent legally enforceable limits for airborne exposure to contaminants. Exposures which exceed current PELs require protective measures such as engineering and or administrative controls and or the use of respiratory protection. Cal-OSHA's PELs may be found in Title 8 of California Code of Regulations Section 5155 (8CCR5155).

Sections 5.0 and 13.0 discuss the selection of respiratory protection for this project. Section 7.0 describes when respirator use may be discontinued.

3.1.2 Skin Contact

Skin contact with certain materials may cause skin irritation and may also result in systemic absorption. The following precautions must be used when inspecting sites which may contain materials with the potential for dermal absorption:

3. Ensure that exposed skin is protected during site work;
4. Use proper procedures for removing contaminated clothing while still at the site;
5. Contaminated rags and other disposable items, such as gloves, should be bagged for proper disposal, avoiding skin contact;
6. Choose protective clothing suitable for anticipated materials.

Section 5.2 discusses the appropriate personal protective equipment suitable for this project.

3.1.3 Ingestion

The ingestion of hazardous material may occur when drinking, eating, or smoking in contaminated areas, or with contaminated hands. This can be avoided through the use of the prescribed protective clothing, through the restriction of eating, drinking, and smoking to uncontaminated areas, and through good personal hygiene practices. Eating, drinking and smoking are prohibited on-site until decontamination procedures have been completed and only then outside the exclusion area. The purpose of decontamination procedures described in Section 8.0 is to minimize the potential for accidental ingestion of toxic materials.

3.1.4 Eye Contact

The eyes are sensitive to damage from a number of solids, liquids, or vapors. Effects may range from mild irritation to severe damage. The actual effect depends on the material and on the quantity to which the eye may have been exposed. The following precautions to avoid eye injury must be taken when entering the site:

- Wear safety glasses with side shields or goggles;
- Do not rub eyes;

- Never wear contact lenses when working in areas where hazardous materials may be encountered. Contact lenses cannot be worn when respirator use may be required.

3.2 Chemical Hazards

The chemical hazards associated with this project are anticipated to be very low. Geraghty & Miller's 1992 Health Risk Assessment indicates that site contaminant levels are very. Tables 1, 2 and 3 show highest levels of significant contaminants as reported in Geraghty & Miller's 1992 report. These three tables also provide an industrial hygiene evaluation of anticipated exposures while disturbing contaminated soil

Potential inhalation exposures to airborne metals are expected to be very low. Dermal exposure is not a concern since metals are not absorbed through the skin. However, inadequate personal hygiene practices could lead to inadvertent ingestion of metallic contaminants. This will be controlled through personal hygiene practices.

Tables 2 and 3 provide worst case exposure models for airborne exposures to hydrocarbons found on site. As indicated estimated exposures based on a worst case scenario analysis are well below applicable PELs. This does not preclude the presence of occasional odors.

Hydrocarbon exposure could also occur through dermal exposure and incidental ingestion. At concentrations detected, it is unlikely that petroleum hydrocarbons on site would represent a significant dermal hazard. Ingestion hazards shall be minimized through good personal hygiene practices.

Use of excavation equipment may generate airborne dust, which may be inhaled. Note that site work practices will require dust control measures so as to minimize visible dust emissions. Therefore the dust inhalation hazard is also expected to be low.

3.3 Physical Hazards

The physical hazards of this project should be normal to the WBI's activities and thus should already be addressed in their IIPPs. These are incorporated by reference into this HSP and shall be available on site during fieldwork. However, the following safety issues should be considered during this project.

- Underground utility clearance before excavation
- Compliance with Cal-OSHA's excavation safety orders if the work will require anyone to enter excavations deeper than five feet. These orders require a permit from Cal-OSHA as described in 8CCR1539.

Other physical hazards typical of construction activities include working around heavy equipment, electrical work, noise, slips and falls, back strains from lifting, and cuts from jagged edges and protrusions. These hazards are already addressed in WBI's IIPPs, and should be discussed during routine tailgate safety meetings.

Work with and around heavy equipment will require adherence to the following general practices. The safe practices stated below are not intended to substitute existing IIP requirements. They are reiterated below to serve as reminders for site employees.

- Use of reflective vests around moving equipment.

- Eye contact with equipment operator.
- Operators to be trained on the proper use and limitations of the equipment.
- Rated equipment capacity shall not be exceeded.
- Operators shall wear seat belts provided.
- All equipment to be inspected each day before use.
- Equipment guards shall be left in place except for routine maintenance and for repairs. Guards removed shall be replaced promptly.
- Manufacturer's recommended preventive maintenance procedures shall be followed.
- Personnel shall not work under suspended loads.
- Equipment shall be fitted with audible electronic back up alarms.
- Equipment shall be placed on firm stable ground before use.
- Operators and employees shall use seats provided only.
- Operators shall not get on or off equipment while it is in motion.

Work around equipment or noise sources that exceed 85 decibels on the A-weighted scale will require the use of either earmuffs or insert hearing protectors. Earmuffs shall be maintained in a clean and sanitary condition. Insert hearing protectors shall be disposed of after each use. Users of insert protectors shall ensure hands are clean before inserting plugs into ears.

3.4 *Overview of Safety Procedures*

The hazards described above shall be controlled through a combination of engineering and administrative controls and through the use of personal protective equipment.

The engineering controls applicable to this project shall be to implement appropriate dust control measures to minimize visible airborne dust emissions. This shall consist of a water truck to be used as needed on contaminated soil so as to minimize visible dust emissions.

The administrative controls for this project shall consist of limiting access to contaminated areas to properly trained and equipped personnel. These individuals shall follow the required decontamination procedures when leaving the contaminated work areas.

The project Health and Safety Officer shall ensure the following activities are conducted to ensure that employees are properly protected when the work involves handling contaminated materials:

- Designate contaminated areas and establish site control
- Provide the necessary equipment for decontamination
- Conduct daily site inspections to verify the appropriate precautions are in effect.
- Conduct periodic air monitoring of the excavation
- Identify the nearest emergency facilities (if not already done).

These procedures are described in this HSP.

4.0 Site Control

4.1 Contaminated Areas

Known site contaminants are present in low concentrations. As explained in Section 3.2, it is very unlikely that worker exposure will exceed applicable Cal-OSHA PELs. Therefore, exclusion zones as defined in 8CCR5192 will not be required. However, areas either known to be contaminated or areas where there is visible evidence of contamination (soil discoloration, odors etc.) shall be designated as contaminated areas. These shall be delineated with cones, barricade tape, temporary or other visible means. Appropriate personal protective equipment shall be worn when working in this area as described below.

The absence of exclusion zones shall not relieve site workers from the requirement for personal hygiene before eating, drinking or smoking.

Vehicle access into contaminated work areas shall be restricted only to the equipment required for the work, and to the water truck as needed for dust control.

Access to the project site shall be restricted to authorized personnel only. Site visitors will be required to check in at the office trailer upon entry and exit. Visitors authorized to enter active work areas shall sign in an entry and exit log. Access to the site shall be locked outside working hours.

5.0 Personal Protective Equipment

5.1 Selection Criteria

The EPA has classified personal protective equipment (PPE) ensembles into four categories which address different levels of hazards. They are as follows.

- *Level A* This type of protection should be worn when the highest level of respiratory, skin, eye and mucous membrane protection is needed.
- *Level B* Level B protection should be selected when the highest level of respiratory protection is needed, but a lesser level of skin and eye protection.
- *Level C* This level protection should be selected when the actual or potential airborne substance(s) is known, the concentration(s) is measured, the criteria for using air-purifying respirators are met, and skin and eye exposure is unlikely. Periodic air monitoring is necessary.
- *Level D* Level D is primarily work clothing.

The PPE selection criteria for unexpected toxic hazards which may be encountered are based on two major parameters:

- Type(s) and measured concentration(s) of the chemical substance(s) in the atmosphere, with its (their) associated toxicity.
- Potential for exposure to high air concentrations of volatile substance, splashes of liquids, or other types of direct contact with material due to work functions being performed.

PPE for activities where the identity of contaminants is available requires consideration of the following .

- Identity of either known or suspected contaminant.
- Actual or potential airborne concentration
- Skin toxicity data.
- Potential for skin or eye contact

5.2 Contaminated Area PPE Requirements

As stated in Section 3.2 of this HSP anticipated exposures by all occupationally relevant routes is not expected to be significant. Therefore, the following (EPA level D) personal protective equipment shall be worn in contaminated areas to minimize potential chemical hazards associated with contaminated materials:

- Hardhat;
- Nitrile gloves (when handling contaminated soils and equipment);
- Safety footwear with steel toe and shank.

All personnel who may come in direct contact with contaminated materials shall wear the above described PPE clothing. Unnecessary contact with potentially contaminated residues shall be avoided as much as possible.

5.3 Clean Area PPE Requirements

Work outside contaminated areas shall require the use of EPA level D protective equipment normal to the construction industry. Typically, this consists of hard hats, safety footwear, and normal work clothing.

6.0 Employee Training

As discussed in Section 3 of this HSP, it is unlikely that site activities will result in exposure to health hazards other than those associated with construction activities. Therefore, hazardous waste operations training is not required for this project. However, all site personnel (including subcontractors whose work includes soils handling) shall be familiar with the contents and requirements of this Health and Safety plan. This information shall be presented at a project start-up tailgate safety meeting mandatory for all site personnel. The Health and Safety Officer, will conduct this meeting. Table 4 shows an outline for the site specific tailgate safety meeting in this HSP.

During fieldwork, tail-gate meetings will be held at the start of each work week to discuss the planned activities and any health and safety-related issues. Additional meetings may be needed after events such as procedure changes, PPE level adjustments, accidents, or additions to this HSP. These meetings will be arranged by the Health & Safety Officer.

This training is additional to the training required under WBI's IIPP. Additional training may be required should project conditions change or warrant it. This includes respiratory protection training if air monitoring shows respirators are needed.

Prior to commencing work each day, either the Health and Safety Officer or Site Supervisor will ensure that the following tasks are performed:

1. Safety briefing, as scheduled, for all site personnel to discuss the activities to be performed during the day, as well as any anticipated safety or health issues. The weekly safety briefing will also emphasize proper emergency procedures, and will identify any health and safety related changes from this HSP.
2. A site inspection to identify and eliminate or control physical hazards that may exist on the project site (moving ground, tripping hazards, slipping hazards, sharp objects, etc.).
4. Proper delineation of contaminated work areas with barricades or barrier tape as needed.
5. Scheduling of personnel so that only the personnel necessary to complete the day's work are allowed to work in contaminated work areas.

7.0 Air Monitoring

As airborne exposures to site contaminants based on worst case scenarios and maximum reported levels of contaminants is extremely low, air monitoring is not required.

8.0 Decontamination

Personnel leaving contaminated areas shall wash their hands and face before eating, drinking or smoking. Hands shall also be thoroughly washed after leaving any areas of the site before eating, drinking, or any other activities during soil construction work.

9.0 Emergency Response

Table 5 contains emergency response telephone numbers to be used in emergencies. Normal on site communications shall consist of two way radios and cell phones.

9.1 Employee Injury or Illness

The affected employee shall be removed (if it can be done safely and without aggravating conditions) and transported to Alta Bates Hospital, Berkeley, CA. Emergency telephone numbers are listed on Table 5. Only individuals currently trained in first aid or CPR shall render this type of assistance. Appendix D contains a map to Alta Bates Hospital.

Directions to Alta Bates Hospital

Go 3 miles north on Hollis Street
Turn east (right) on Ashby
Go about 4 miles. Hospital is on the south (right) side of Ashby.

9.2 Emergency Equipment

Emergency equipment available on-site consists of

- First aid kits (to be used by trained personnel only).
- Fire extinguishers (10 A,B,C ratings). Fire extinguishers shall be available at the jobsite trailer, and in each supervisor vehicle. Fire extinguishers shall be

inspected annually, and during each job site inspection they are re-charged as necessary.

9.3 Emergency Decontamination

As project related chemical hazards are expected to be low, it is unlikely that employee contamination can present a life threatening condition. Therefore, emergency employee decontamination shall consist of washing with soap and water.

9.4 Emergency Evacuation

In the unlikely event of site evacuation, an airhorn will be used to sound the alarm. Reasons for emergency evacuation include trench collapse, fires and explosions.

Employees shall report to the Site Supervisor's vehicle without delay where the Site Supervisor shall conduct a head count.

9.5 Unusual Conditions

Site employees shall be instructed to cease work, and immediately report to the supervisor should they encounter unusual conditions such as strange odors or liquids. The Site Supervisor shall assess conditions, and shall consult with Mr. Michael Connor, CIH, CSP as needed. If necessary, work shall be temporarily suspended until the situation can be properly addressed.

10.0 General Safe Work Practices

The project operations shall be conducted with the following minimum safety requirements employed:

- Personnel on-site are to be thoroughly briefed on the anticipated hazards, equipment requirements, safety practices, emergency procedures and communication methods, initially and in daily briefings.
- Dust control measures to minimize airborne dust emissions.
- Eating, drinking, chewing gum or tobacco, smoking, or any practice that increases the probability of hand to mouth transfer and ingestion of materials is prohibited in all areas of soil work.
- Removal of materials from protective clothing or equipment by blowing, shaking, or any other means that may disperse materials into the air is prohibited.
- Personnel should be cautioned to inform each other and their supervisor of subjective symptoms of chemical exposure such as headache, dizziness, nausea, and irritation of the respiratory tract.
- Contact with contaminated soil shall be minimized.
- Legible and understandable precautionary labels shall be prominently affixed to containers of raw materials, intermediates, products, mixtures, scrap, waste, debris, and contaminated clothing.
- Open excavations shall be covered if rain is expected to minimize the accumulation of stormwater.

- Spoils piles shall be covered with polyethylene that shall be weighed down so as to prevent contaminated soil emissions from wind and rain.
- Wherever possible, spoils shall be placed back into the excavation after work is completed. Waste soils to be transported off site shall be characterized for appropriate waste disposal.

11.0 Sanitation

WBI will provide the proper sanitary facilities for use by all personnel assigned to the project. Sanitation facilities shall include temporary toilets that shall be serviced periodically. These shall include appropriate washing facilities that shall include an adequate supply of soap, water and towels.

12.0 Proposition 65

Several site contaminants are substances known to the state of California to be either reproductively toxic or carcinogenic. Consequently, it is necessary to comply with the requirements of Proposition 65 (Safe Drinking Water and Toxics Enforcement Act of 1986) during the project. This will require the posting of Proposition 65 warning notices at all entrances to the site.

12.0 Standard Operating Procedures

Appendix C to this HSP contains standard operating procedures for decontamination. Other standard operating procedures relevant to site construction work are included in Webcor's and subcontractors' IIPPs which are incorporated into this HSP by reference. They will be available on site for review during field work.

Table 1
Industrial Hygiene Evaluation
Metal Contaminants in Soil

Emery Station No. 3
Emeryville, CA

September 1998

Contaminant	Soil Conc.[1]	Air Conc.[2]	PEL[3]	%PEL[4]	Soil PEL Conc.[5]
Antimony	3.8	0.002	500	0.001	1,000,000
Arsenic*	7.1	0.003	10	0.035	20,000
Barium	130	0.065	500	0.013	1,000,000
Cadmium*	0.5	0.0002	5	0.005	10,000
Cobalt	16	0.005	50	0.010	100,000
Copper	39	0.019	100	0.019	200,000
Chromium	34	0.017	50	0.034	100,000
Lead*	64	0.032	50	0.064	100,000
Nickel*	48	0.024	100	0.024	200,000
Vanadium	30	0.015	50	0.030	100,000
Zinc	130	0.065	1000	0.006	2,000,000

FOOTNOTES

1. Soil Conc. indicates maximum reported soil concentration (Webcor Builders, 1999) for the site.
2. Air Conc. indicates predicted airborne concentration based on continuous emissions of just visible dust (500 micrograms of dust per cubic meter of air or $\mu g/m^3$). Predicted metals concentrations are expressed in $\mu g/m^3$.
3. PEL indicates current Cal-OSHA Permissible Exposure Limit (PEL) currently promulgated in Title 8 of California Code of Regulations. PELs are given in $\mu g/m^3$. Where more than 1 PEL has been promulgated, the lowest value is given.
4. %PEL indicates air concentrations shown in column 3 as a percentage of the applicable PEL.
5. Soil Conc. PEL indicates the required level of soil contamination (in parts per million) for continuous emissions of just visible dust (500 $\mu g/m^3$ over 8 hours) to represent the PEL for given metal contaminants on site. Note that 1,000,000 ppm is equivalent to 100%.

* Indicates California Proposition 65 substance.

Table 2
Industrial Hygiene Evaluation
Hydrocarbon Contaminants
in Soils

Emery Station No. 3
Emeryville, CA

September 1998

Contaminant	Soil Conc.[1]	Air Conc.[2]	PEL[3]	% PEL[4]
Benzene	0.5	0.025	320	0.78%
trans-1,2-dichloroethene	1.7	0.085	790	0.01%
Ethyl benzene	0.68	0.034	435	0.01%
Toluene*	0.007	0.00035	435	0.00%
Trichloroethylene*	15	0.75	135	0.56%
TPH Gasoline	1900	95	900	10.56%
Xylene	3.1	0.155	435	0.04%

FOOTNOTES

1. Soil Conc. indicates maximum reported soil concentration in GERAGHTY & MILLER'S Environmental Engineering's Health Risk Assessment for the site. These concentrations are presented in milligrams of contaminant per kilogram of soil (mg/Kg).
2. Air Conc. indicates projected airborne concentration of hydrocarbons assuming that the maximum reported levels of hydrocarbons evaporated instantly and continuously from the top one foot of soil into a volume of 2 cubic meters (approximately 9 feet by 9 feet by six feet in height) at any given time. This projected calculation does not allow for any dilution associated with natural air movement. The projected calculations are given in milligrams per cubic meter of air (mg/m^3).
3. PEL indicates current Cal-OSHA Permissible Exposure Limit (PEL) currently promulgated in Title 8 of California Code of Regulations. PELs are given in mg/m^3. Neither diesel nor oil and grease have Cal-OSHA PELs.
4. %PEL indicates air concentrations shown in column 3 as a percentage of the applicable PEL.

* Indicates California Proposition 65 substance.

Table 3
Industrial Hygiene Evaluation
Volatile Hydrocarbon Contaminants
in Groundwater

Emery Station No. 3
Emeryville, CA

September 1998

Contaminant	Conc.[1]	Air Conc.[2]	PEL[3]	% PEL[4]
Benzene *	0.019	0.000437	3.2	0.014%
1,1-dichoroethane	0.0028	0.000064	400	0.000%
1,1-dichoroethene	0.0007	0.000016	4	0.000%
cis-1,2-dichloroethene	1.9	0.95	790	0.120%
trans-1,2-dichloroethene	0.033	0.0165	790	0.002%
Ethyl benzene	0.0012	0.0006	435	0.000%
Toluene*	0.0026	0.0013	435	0.000%
Trichloroethylene *	0.0074	0.000170	135	0.000%
Vinyl chloride *	0.26	0.00598	2.6	0.230%
Xylene	0.004	0.000092	435	0.000%
TPH Gasoline	0.42	0.00966	900	0.001%

FOOTNOTES

1. Soil Conc. indicates maximum reported groundwater concentration in GERAGHTY & MILLER'S Environmental Engineering's Health Risk Assessment for the site. These concentrations are presented in milligrams of contaminant liter of groundwater (mg?l) or ppm.
2. Air Conc. indicates projected airborne concentration of hydrocarbons assuming that the maximum reported levels of hydrocarbons evaporated instantly and continuously into a volume of 2 cubic meters (approximately 9 feet by 9 feet by six feet in height) at any given time based on a water evaporation rate of 2.3% This rate is derived from the vapor pressure of water and saturation water vapor concentrations. The vapor pressure of water at 20 C (68 F) is 17.535 mmHg. Therefore, saturation water vapor concentration would be 17.353/760 (normal atmospheric pressure) x 10^6 parts per million (ppm) or 22,833 ppm (of water). This is equivalent to 2.3 % water vapor in air. In reality, this is an overestimate given the high atmospheric moisture content near the San Francisco Bay. This projected airborne concentration calculation does not allow for any dilution associated with natural air movements. The projected calculations are given in milligrams per cubic meter of air (mg/m^3).
3. PEL indicates current Cal-OSHA Permissible Exposure Limit (PEL) currently promulgated in Title 8 of California Code of Regulations. PELs are given in mg/m^3. Neither diesel nor oil and grease have Cal-OSHA PELs.
4. %PEL indicates air concentrations shown in column 3 as a percentage of the applicable PEL.

* Indicates California Proposition 65 substance.

Table 4

Tailgate Safety Meeting Outline

Emery Station No. 3
Emeryville, CA

August 1998

- Introduction
- Summary of Work
- Review of Hazards
  - Chemical
    - Low levels of hydrocarbons
    - Low levels of metals
    - Anticipated exposures
  - Physical
    - Work around heavy equipment
    - Noise
    - Underground utilities
    - Excavation
- Hazard Control Methods
  - Engineering
    - Use of water truck to mitigate dust
  - Administrative
    - Decontamination requirements
  - Personal Protective Equipment
    - Level D
- Employee Decontamination
  - Personal Hygiene Practices
- Emergency Procedures
  - Nearest emergency facility
  - Site Evacuation
  - Emergency Decontamination

Table 5

Emergency Telephone Numbers

Emery Station No. 3
Emeryville, CA

August 1998

Alta Bates Hospital	1-510 204-4444
California State Office of Emergency Service	1-510-646-5908
Chemtrec	1-800-424-9300
Department of Toxic Substances Control Lynn Nakashima	1-510- 540-3839
Fish and Game	1-800-952-5400
Michael Connor, CIH, CSP	1-415-252-0778 (o) 1-415-509-5924 (cell)
Poison Control Center	1-800-356-3129
Police/Fire	911
Regional Water Quality Control Board	1-510-286-1255
Underground Services Alert	1-800-642-2444
Webcor Project Manager (Mr. John Kerley)	1-650- 349-2727

Sequoia
Analytical

404 N. Wiget L
Walnut Creek, CA 94
(925) 988-9
FAX (925) 988-9

30 November, 1999

Barbara Sieminski
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Chevron

Enclosed are the results of analyses for samples received by the laboratory on 23-Nov-99 12:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Julianne Fegley

Julianne Fegley
Project Manager

00 JAN 31 AM 9:09

ENVIRONMENTAL
PROTECTION

Sequoia Analytical

404 N. Wiget Lan
Walnut Creek, CA 9459
(925) 988-960
FAX (925) 988-967

Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G10(5,9.5,A5,A9.5)	W911590-01	Soil	23-Nov-99 08:30	23-Nov-99 12:35
G11(5,9.5,A5,A9.5)	W911590-02	Soil	23-Nov-99 09:20	23-Nov-99 12:35
G12(5,9.5,A5,A9.5)	W911590-03	Soil	23-Nov-99 09:35	23-Nov-99 12:35
G20(5,9.5,A5,A9.5)	W911590-04	Soil	23-Nov-99 11:00	23-Nov-99 12:35
G13(5,9.5,A5,A9.5)	W911590-05	Soil	23-Nov-99 10:30	23-Nov-99 12:35
G24(5,9.5,A5,A9.5)	W911590-06	Soil	22-Nov-99 11:20	23-Nov-99 12:35
G23(5,9.5,A5,A9.5)	W911590-07	Soil	23-Nov-99 09:50	23-Nov-99 12:35
G22(5,9.5,A5,A9.5)	W911590-08	Soil	23-Nov-99 10:10	23-Nov-99 12:35
G21(5,9.5,A5,A9.5)	W911590-09	Soil	23-Nov-99 10:30	23-Nov-99 12:35
G26(5,9.5,A5,A9.5)	W911590-10	Soil	22-Nov-99 13:15	23-Nov-99 12:35
G27(5,9.5,A5,A9.5)	W911590-11	Soil	22-Nov-99 13:45	23-Nov-99 12:35
G28(5,9.5,A5,A9.5)	W911590-12	Soil	22-Nov-99 14:00	23-Nov-99 12:35
G29(5,9.5,A5,A9.5)	W911590-13	Soil	22-Nov-99 14:20	23-Nov-99 12:35
G31(5,9.5,A5,A9.5)	W911590-14	Soil	22-Nov-99 14:45	23-Nov-99 12:35
G30(5,9.5,A5,A9.5)	W911590-15	Soil	22-Nov-99 15:10	23-Nov-99 12:35
G32(5,9.5,A5,A9.5)	W911590-16	Soil	23-Nov-99 10:50	23-Nov-99 12:35
G1(5,9.5,A5,A9.5)	W911590-17	Soil	22-Nov-99 08:45	23-Nov-99 12:35

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Gettler Ryan, Inc. - Dublin
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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G10(5,9.5,A5,A9.5) (W911590-01) Soil	**Sampled: 23-Nov-99 08:30**	**Received: 23-Nov-99 12:35**							
Purgeable Hydrocarbons	5.7	1.0	mg/kg	20	9K23002	23-Nov-99	23-Nov-99	DHS LUFT	P-04
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	**0.0084**	0.0050	"	"	"	"	"	"	
Ethylbenzene	**0.0060**	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.039**	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*40-140*	"	"	"	"	"	
G11(5,9.5,A5,A9.5) (W911590-02) Soil	**Sampled: 23-Nov-99 09:20**	**Received: 23-Nov-99 12:35**							
Purgeable Hydrocarbons	11	5.0	mg/kg	100	9K23002	23-Nov-99	23-Nov-99	DHS LUFT	P-06
Benzene	ND	0.025	"	"	"	"	"	"	
Toluene	ND	0.025	"	"	"	"	"	"	
Ethylbenzene	ND	0.025	"	"	"	"	"	"	
Xylenes (total)	ND	0.025	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*127 %*	*40-140*	"	"	"	"	"	
G12(5,9.5,A5,A9.5) (W911590-03) Soil	**Sampled: 23-Nov-99 09:35**	**Received: 23-Nov-99 12:35**							
Purgeable Hydrocarbons	130	20	mg/kg	400	9K23002	23-Nov-99	23-Nov-99	DHS LUFT	P-06
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	**0.48**	0.10	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*118 %*	*40-140*	"	"	"	"	"	
G20(5,9.5,A5,A9.5) (W911590-04) Soil	**Sampled: 23-Nov-99 11:00**	**Received: 23-Nov-99 12:35**							
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K23002	23-Nov-99	23-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	**0.0061**	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*40-140*	"	"	"	"	"	

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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Chevron Project Number: Chevron Asphalt Plant Project Manager: Barbara Sieminski	Reported: 30-Nov-99 18:12

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G13(5,9.5,A5,A9.5) (W911590-05) Soil	**Sampled: 23-Nov-99 10:30**		**Received: 23-Nov-99 12:35**						
Purgeable Hydrocarbons	**22**	20	mg/kg	400	9K23002	23-Nov-99	23-Nov-99	DHS LUFT	P-01
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	**0.45**	0.10	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*142 %*	*40-140*		"	"	"	"	*S-04*
G24(5,9.5,A5,A9.5) (W911590-06) Soil	**Sampled: 22-Nov-99 11:20**		**Received: 23-Nov-99 12:35**						
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K23002	23-Nov-99	23-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	**0.022**	0.0050	"	"	"	"	"	"	
Ethylbenzene	**0.0070**	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.043**	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*40-140*		"	"	"	"	
G23(5,9.5,A5,A9.5) (W911590-07) Soil	**Sampled: 23-Nov-99 09:50**		**Received: 23-Nov-99 12:35**						
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K23002	23-Nov-99	23-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*112 %*	*40-140*		"	"	"	"	
G22(5,9.5,A5,A9.5) (W911590-08) Soil	**Sampled: 23-Nov-99 10:10**		**Received: 23-Nov-99 12:35**						
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K23002	23-Nov-99	23-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*122 %*	*40-140*		"	"	"	"	

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
G21(5,9.5,A5,A9.5) (W911590-09) Soil Sampled: 23-Nov-99 10:30 Received: 23-Nov-99 12:35									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K23002	23-Nov-99	23-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	**0.0059**	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.0093**	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene	*117 %*	*40-140*		"	"	"	"	"	
G26(5,9.5,A5,A9.5) (W911590-10) Soil Sampled: 22-Nov-99 13:15 Received: 23-Nov-99 12:35									
Purgeable Hydrocarbons	**14**	1.0	mg/kg	20	9K23002	23-Nov-99	23-Nov-99	DHS LUFT	P-06
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.029**	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene	*98.3 %*	*40-140*		"	"	"	"	"	
G27(5,9.5,A5,A9.5) (W911590-11) Soil Sampled: 22-Nov-99 13:45 Received: 23-Nov-99 12:35									
Purgeable Hydrocarbons	**5.8**	1.0	mg/kg	20	9K23003	23-Nov-99	23-Nov-99	DHS LUFT	P-05
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.013**	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene	*93.3 %*	*40-140*		"	"	"	"	"	
G28(5,9.5,A5,A9.5) (W911590-12) Soil Sampled: 22-Nov-99 14:00 Received: 23-Nov-99 12:35									
Purgeable Hydrocarbons	**3.3**	1.0	mg/kg	20	9K23003	23-Nov-99	23-Nov-99	DHS LUFT	P-05
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene	*91.7 %*	*40-140*		"	"	"	"	"	

Sequoia Analytical - Walnut Creek

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Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	No
G29(5,9.5,A5,A9.5) (W911590-13) Soil Sampled: 22-Nov-99 14:20 Received: 23-Nov-99 12:35									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K23003	23-Nov-99	23-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.3 %*	*40-140*	"	"	"	"	"	
G31(5,9.5,A5,A9.5) (W911590-14) Soil Sampled: 22-Nov-99 14:45 Received: 23-Nov-99 12:35									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K23003	23-Nov-99	23-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*40-140*	"	"	"	"	"	
G30(5,9.5,A5,A9.5) (W911590-15) Soil Sampled: 22-Nov-99 15:10 Received: 23-Nov-99 12:35									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K23003	23-Nov-99	23-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*40-140*	"	"	"	"	"	
G32(5,9.5,A5,A9.5) (W911590-16) Soil Sampled: 23-Nov-99 10:50 Received: 23-Nov-99 12:35									
Purgeable Hydrocarbons	**1.9**	1.0	mg/kg	20	9K23003	23-Nov-99	23-Nov-99	DHS LUFT	**A-01**
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*40-140*	"	"	"	"	"	

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	No
G1(5,9.5,A5,A9.5) (W911590-17) Soil **Sampled: 22-Nov-99 08:45** **Received: 23-Nov-99 12:35**									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K23003	23-Nov-99	23-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*40-140*	"	"	"	"	"	

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Project: Chevron
Project Number: Chevron Asphalt Plant
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Reported:
30-Nov-99 18:12

Diesel Hydrocarbons (C9-C24) by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G10(5,9.5,A5,A9.5) (W911590-01) Soil Sampled: 23-Nov-99 08:30 Received: 23-Nov-99 12:35									
Diesel Range Hydrocarbons	16	10	mg/kg	10	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-12
Surrogate: n-Pentacosane	*207 %*	*50-150*		"	"	"	"		*S-04*
G11(5,9.5,A5,A9.5) (W911590-02) Soil Sampled: 23-Nov-99 09:20 Received: 23-Nov-99 12:35									
Diesel Range Hydrocarbons	12	5.0	mg/kg	5	9K24009	24-Nov-99	29-Nov-99	DHS LUFT	D-12
Surrogate: n-Pentacosane	*144 %*	*50-150*		"	"	"	"		
G12(5,9.5,A5,A9.5) (W911590-03) Soil Sampled: 23-Nov-99 09:35 Received: 23-Nov-99 12:35									
Diesel Range Hydrocarbons	390	10	mg/kg	10	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-18
Surrogate: n-Pentacosane	*306 %*	*50-150*		"	"	"	"		*S-04*
G20(5,9.5,A5,A9.5) (W911590-04) Soil Sampled: 23-Nov-99 11:00 Received: 23-Nov-99 12:35									
Diesel Range Hydrocarbons	1.5	1.0	mg/kg	1	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-12
Surrogate: n-Pentacosane	*117 %*	*50-150*		"	"	"	"		
G13(5,9.5,A5,A9.5) (W911590-05) Soil Sampled: 23-Nov-99 10:30 Received: 23-Nov-99 12:35									
Diesel Range Hydrocarbons	18	10	mg/kg	10	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-12
Surrogate: n-Pentacosane	*207 %*	*50-150*		"	"	"	"		*S-04*
G24(5,9.5,A5,A9.5) (W911590-06) Soil Sampled: 22-Nov-99 11:20 Received: 23-Nov-99 12:35									
Diesel Range Hydrocarbons	4.6	1.0	mg/kg	1	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-12
Surrogate: n-Pentacosane	*117 %*	*50-150*		"	"	"	"		
G23(5,9.5,A5,A9.5) (W911590-07) Soil Sampled: 23-Nov-99 09:50 Received: 23-Nov-99 12:35									
Diesel Range Hydrocarbons	25	10	mg/kg	10	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-12
Surrogate: n-Pentacosane	*387 %*	*50-150*		"	"	"	"		*S-04*

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Diesel Hydrocarbons (C9-C24) by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G22(5,9.5,A5,A9.5) (W911590-08) Soil	**Sampled: 23-Nov-99 10:10**	**Received: 23-Nov-99 12:35**							
Diesel Range Hydrocarbons	24	10	mg/kg	10	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-12
Surrogate: n-Pentacosane	*189 %*	*50-150*		"	"	"	"		*S-04*
G21(5,9.5,A5,A9.5) (W911590-09) Soil	**Sampled: 23-Nov-99 10:30**	**Received: 23-Nov-99 12:35**							
Diesel Range Hydrocarbons	3.3	1.0	mg/kg	1	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-12
Surrogate: n-Pentacosane	*117 %*	*50-150*		"	"	"	"		
G26(5,9.5,A5,A9.5) (W911590-10) Soil	**Sampled: 22-Nov-99 13:15**	**Received: 23-Nov-99 12:35**							
Diesel Range Hydrocarbons	6.3	1.0	mg/kg	1	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-18
Surrogate: n-Pentacosane	*99.1 %*	*50-150*		"	"	"	"		
G27(5,9.5,A5,A9.5) (W911590-11) Soil	**Sampled: 22-Nov-99 13:45**	**Received: 23-Nov-99 12:35**							
Diesel Range Hydrocarbons	2.5	1.0	mg/kg	1	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-06,D-12
Surrogate: n-Pentacosane	*82.0 %*	*50-150*		"	"	"	"		
G28(5,9.5,A5,A9.5) (W911590-12) Soil	**Sampled: 22-Nov-99 14:00**	**Received: 23-Nov-99 12:35**							
Diesel Range Hydrocarbons	6.9	5.0	mg/kg	5	9K24009	24-Nov-99	29-Nov-99	DHS LUFT	D-12
Surrogate: n-Pentacosane	*117 %*	*50-150*		"	"	"	"		
G29(5,9.5,A5,A9.5) (W911590-13) Soil	**Sampled: 22-Nov-99 14:20**	**Received: 23-Nov-99 12:35**							
Diesel Range Hydrocarbons	2.2	1.0	mg/kg	1	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-06,D-12
Surrogate: n-Pentacosane	*108 %*	*50-150*		"	"	"	"		
G31(5,9.5,A5,A9.5) (W911590-14) Soil	**Sampled: 22-Nov-99 14:45**	**Received: 23-Nov-99 12:35**							
Diesel Range Hydrocarbons	23	10	mg/kg	10	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-12
Surrogate: n-Pentacosane	*423 %*	*50-150*		"	"	"	"		*S-04*

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Adrienne Fegley, Project Manager

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Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Diesel Hydrocarbons (C9-C24) by DHS LUFT
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
G30(5,9.5,A5,A9.5) (W911590-15) Soil	**Sampled: 22-Nov-99 15:10**	**Received: 23-Nov-99 12:35**							
Diesel Range Hydrocarbons	3.4	1.0	mg/kg	1	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-06,D-1
Surrogate: n-Pentacosane		*73.0 %*	*50-150*	"	"	"	"		
G32(5,9.5,A5,A9.5) (W911590-16) Soil	**Sampled: 23-Nov-99 10:50**	**Received: 23-Nov-99 12:35**							
Diesel Range Hydrocarbons	25	1.0	mg/kg	1	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-18
Surrogate: n-Pentacosane		*108 %*	*50-150*	"	"	"	"		
G1(5,9.5,A5,A9.5) (W911590-17) Soil	**Sampled: 22-Nov-99 08:45**	**Received: 23-Nov-99 12:35**							
Diesel Range Hydrocarbons	2.1	1.0	mg/kg	1	9K24009	24-Nov-99	24-Nov-99	DHS LUFT	D-06,D-12
Surrogate: n-Pentacosane		*108 %*	*50-150*	"	"	"	"		

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lianne Fegley, Project Manager

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
G10(5,9.5,A5,A9.5) (W911590-01) Soil Sampled: 23-Nov-99 08:30 Received: 23-Nov-99 12:35									
Lead	13	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G11(5,9.5,A5,A9.5) (W911590-02) Soil Sampled: 23-Nov-99 09:20 Received: 23-Nov-99 12:35									
Lead	48	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G12(5,9.5,A5,A9.5) (W911590-03) Soil Sampled: 23-Nov-99 09:35 Received: 23-Nov-99 12:35									
Lead	51	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G20(5,9.5,A5,A9.5) (W911590-04) Soil Sampled: 23-Nov-99 11:00 Received: 23-Nov-99 12:35									
Lead	11	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G13(5,9.5,A5,A9.5) (W911590-05) Soil Sampled: 23-Nov-99 10:30 Received: 23-Nov-99 12:35									
Lead	14	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G24(5,9.5,A5,A9.5) (W911590-06) Soil Sampled: 22-Nov-99 11:20 Received: 23-Nov-99 12:35									
Lead	19	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G23(5,9.5,A5,A9.5) (W911590-07) Soil Sampled: 23-Nov-99 09:50 Received: 23-Nov-99 12:35									
Lead	13	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G22(5,9.5,A5,A9.5) (W911590-08) Soil Sampled: 23-Nov-99 10:10 Received: 23-Nov-99 12:35									
Lead	17	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G21(5,9.5,A5,A9.5) (W911590-09) Soil Sampled: 23-Nov-99 10:30 Received: 23-Nov-99 12:35									
Lead	12	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	

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anne Fegley, Project Manager

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
G26(5,9.5,A5,A9.5) (W911590-10) Soil Sampled: 22-Nov-99 13:15 Received: 23-Nov-99 12:35									
Lead	29	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G27(5,9.5,A5,A9.5) (W911590-11) Soil Sampled: 22-Nov-99 13:45 Received: 23-Nov-99 12:35									
Lead	65	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G28(5,9.5,A5,A9.5) (W911590-12) Soil Sampled: 22-Nov-99 14:00 Received: 23-Nov-99 12:35									
Lead	150	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G29(5,9.5,A5,A9.5) (W911590-13) Soil Sampled: 22-Nov-99 14:20 Received: 23-Nov-99 12:35									
Lead	10	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G31(5,9.5,A5,A9.5) (W911590-14) Soil Sampled: 22-Nov-99 14:45 Received: 23-Nov-99 12:35									
Lead	600	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G30(5,9.5,A5,A9.5) (W911590-15) Soil Sampled: 22-Nov-99 15:10 Received: 23-Nov-99 12:35									
Lead	10	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G32(5,9.5,A5,A9.5) (W911590-16) Soil Sampled: 23-Nov-99 10:50 Received: 23-Nov-99 12:35									
Lead	9.1	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	
G1(5,9.5,A5,A9.5) (W911590-17) Soil Sampled: 22-Nov-99 08:45 Received: 23-Nov-99 12:35									
Lead	12	2.5	mg/kg	1	9K23016	23-Nov-99	24-Nov-99	EPA 6010A	

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Vanne Fegley, Project Manager

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Volatile Organic Compounds by EPA Method 8240B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G20(5,9.5,A5,A9.5) (W911590-04) Soil	**Sampled: 23-Nov-99 11:00**		**Received: 23-Nov-99 12:35**						
Chloromethane	ND	0.10	mg/kg	100	9K23015	23-Nov-99	23-Nov-99	EPA 8240B	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Acetone	ND	0.50	"	"	"	"	"	"	
Carbon disulfide	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Vinyl acetate	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
2-Butanone	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	0.50	"	"	"	"	"	"	
Toluene	**0.11**	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
2-Hexanone	ND	0.50	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*50-150*	"	"	"	"		
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*50-150*	"	"	"	"		

Sequoia Analytical - Walnut Creek

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Julianne Fegley, Project Manager

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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Chevron Project Number: Chevron Asphalt Plant Project Manager: Barbara Sieminski	**Reported:** 30-Nov-99 18:12

Volatile Organic Compounds by EPA Method 8240B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G20(5,9.5,A5,A9.5) (W911590-04) Soil	**Sampled: 23-Nov-99 11:00**		**Received: 23-Nov-99 12:35**						
Surrogate: Toluene-d8		*100 %*	*50-150*		*9K23015*	*23-Nov-99*	*23-Nov-99*	*EPA 8240B*	
Surrogate: 4-Bromofluorobenzene		*100 %*	*50-150*		*"*	*"*	*"*	*"*	
G13(5,9.5,A5,A9.5) (W911590-05) Soil	**Sampled: 23-Nov-99 10:30**		**Received: 23-Nov-99 12:35**						**R-05**
Chloromethane	ND	0.10	mg/kg	100	9K23015	23-Nov-99	23-Nov-99	EPA 8240B	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Acetone	ND	0.50	"	"	"	"	"	"	
Carbon disulfide	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Vinyl acetate	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
2-Butanone	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
2-Hexanone	ND	0.50	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	

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Julianne Fegley, Project Manager

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Volatile Organic Compounds by EPA Method 8240B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G13(5,9.5,A5,A9.5) (W911590-05) Soil	**Sampled: 23-Nov-99 10:30**		**Received: 23-Nov-99 12:35**						
1,1,2,2-Tetrachloroethane	ND	0.10	mg/kg	100	9K23015	23-Nov-99	23-Nov-99	EPA 8240B	R-05
Surrogate: Dibromofluoromethane		*104 %*	*50-150*	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*50-150*	"	"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*50-150*	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*50-150*	"	"	"	"	"	
G29(5,9.5,A5,A9.5) (W911590-13) Soil	**Sampled: 22-Nov-99 14:20**		**Received: 23-Nov-99 12:35**						
Chloromethane	ND	0.10	mg/kg	100	9K23015	23-Nov-99	23-Nov-99	EPA 8240B	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Acetone	ND	0.50	"	"	"	"	"	"	
Carbon disulfide	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Vinyl acetate	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
2-Butanone	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
2-Hexanone	ND	0.50	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	

Sequoia Analytical - Walnut Creek

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Volatile Organic Compounds by EPA Method 8240B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
G29(5,9.5,A5,A9.5) (W911590-13) Soil Sampled: 22-Nov-99 14:20 Received: 23-Nov-99 12:35									
Total Xylenes	ND	0.10	mg/kg	100	9K23015	23-Nov-99	23-Nov-99	EPA 8240B	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*50-150*	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*50-150*	"	"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*50-150*	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*50-150*	"	"	"	"	"	
G31(5,9.5,A5,A9.5) (W911590-14) Soil Sampled: 22-Nov-99 14:45 Received: 23-Nov-99 12:35									
Chloromethane	ND	0.10	mg/kg	100	9K23015	23-Nov-99	23-Nov-99	EPA 8240B	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Acetone	ND	0.10	"	"	"	"	"	"	
Carbon disulfide	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Vinyl acetate	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
2-Butanone	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
2-Hexanone	ND	0.50	"	"	"	"	"	"	

Sequoia Analytical - Walnut Creek

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Jilianne Fegley, Project Manager

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Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Volatile Organic Compounds by EPA Method 8240B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G31(5,9.5,A5,A9.5) (W911590-14) Soil	**Sampled: 22-Nov-99 14:45**		**Received: 23-Nov-99 12:35**						
Dibromochloromethane	ND	0.10	mg/kg	100	9K23015	23-Nov-99	23-Nov-99	EPA 8240B	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*50-150*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*		*50-150*		"	"	"	
Surrogate: Toluene-d8		*100 %*		*50-150*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*50-150*		"	"	"	
G30(5,9.5,A5,A9.5) (W911590-15) Soil	**Sampled: 22-Nov-99 15:10**		**Received: 23-Nov-99 12:35**						
Chloromethane	ND	0.10	mg/kg	100	9K23015	23-Nov-99	23-Nov-99	EPA 8240B	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Acetone	ND	0.50	"	"	"	"	"	"	
Carbon disulfide	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Vinyl acetate	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
2-Butanone	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	

Sequoia Analytical - Walnut Creek

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Volatile Organic Compounds by EPA Method 8240B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G30(5,9.5,A5,A9.5) (W911590-15) Soil	**Sampled: 22-Nov-99 15:10**		**Received: 23-Nov-99 12:35**						
1,1,2-Trichloroethane	ND	0.10	mg/kg	100	9K23015	23-Nov-99	23-Nov-99	EPA 8240B	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
2-Hexanone	ND	0.50	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*50-150*		"	"	"	"	
G32(5,9.5,A5,A9.5) (W911590-16) Soil	**Sampled: 23-Nov-99 10:50**		**Received: 23-Nov-99 12:35**						
Chloromethane	ND	0.10	mg/kg	100	9K23015	23-Nov-99	23-Nov-99	EPA 8240B	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Acetone	ND	0.50	"	"	"	"	"	"	
Carbon disulfide	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Vinyl acetate	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
2-Butanone	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
is-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Volatile Organic Compounds by EPA Method 8240B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G32(5,9.5,A5,A9.5) (W911590-16) Soil Sampled: 23-Nov-99 10:50 Received: 23-Nov-99 12:35									
4-Methyl-2-pentanone	ND	0.50	mg/kg	100	9K23015	23-Nov-99	23-Nov-99	EPA 8240B	
Toluene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
2-Hexanone	ND	0.50	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*50-150*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*50-150*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*50-150*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*50-150*	"	"	"	"	
G1(5,9.5,A5,A9.5) (W911590-17) Soil Sampled: 22-Nov-99 08:45 Received: 23-Nov-99 12:35									
Chloromethane	ND	0.10	mg/kg	100	9K23015	23-Nov-99	23-Nov-99	EPA 8240B	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Acetone	ND	0.50	"	"	"	"	"	"	
Carbon disulfide	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Vinyl acetate	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
2-Butanone	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
richloroethene	ND	0.10	"	"	"	"	"	"	

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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Chevron Project Number: Chevron Asphalt Plant Project Manager: Barbara Sieminski	**Reported:** 30-Nov-99 18:12

Volatile Organic Compounds by EPA Method 8240B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G1(5,9.5,A5,A9.5) (W911590-17) Soil	Sampled: 22-Nov-99 08:45		Received: 23-Nov-99 12:35						
1,2-Dichloropropane	ND	0.10	mg/kg	100	9K23015	23-Nov-99	23-Nov-99	EPA 8240B	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
2-Hexanone	ND	0.50	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*50-150*		"	"	"	"	

Sequoia Analytical - Walnut Creek

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G10(5,9.5,A5,A9.5) (W911590-01) Soil	**Sampled: 23-Nov-99 08:30**	**Received: 23-Nov-99 12:35**							
TRPH	**340**	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G11(5,9.5,A5,A9.5) (W911590-02) Soil	**Sampled: 23-Nov-99 09:20**	**Received: 23-Nov-99 12:35**							
TRPH	**160**	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G12(5,9.5,A5,A9.5) (W911590-03) Soil	**Sampled: 23-Nov-99 09:35**	**Received: 23-Nov-99 12:35**							
TRPH	**310**	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G20(5,9.5,A5,A9.5) (W911590-04) Soil	**Sampled: 23-Nov-99 11:00**	**Received: 23-Nov-99 12:35**							
TRPH	57	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G13(5,9.5,A5,A9.5) (W911590-05) Soil	**Sampled: 23-Nov-99 10:30**	**Received: 23-Nov-99 12:35**							
TRPH	**330**	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G24(5,9.5,A5,A9.5) (W911590-06) Soil	**Sampled: 22-Nov-99 11:20**	**Received: 23-Nov-99 12:35**							
TRPH	**410**	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G23(5,9.5,A5,A9.5) (W911590-07) Soil	**Sampled: 23-Nov-99 09:50**	**Received: 23-Nov-99 12:35**							
TRPH	**600**	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G22(5,9.5,A5,A9.5) (W911590-08) Soil	**Sampled: 23-Nov-99 10:10**	**Received: 23-Nov-99 12:35**							
TRPH	**750**	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G21(5,9.5,A5,A9.5) (W911590-09) Soil	**Sampled: 23-Nov-99 10:30**	**Received: 23-Nov-99 12:35**							
TRPH	**120**	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G26(5,9.5,A5,A9.5) (W911590-10) Soil	Sampled: 22-Nov-99 13:15	Received: 23-Nov-99 12:35							
TRPH	180	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G27(5,9.5,A5,A9.5) (W911590-11) Soil	Sampled: 22-Nov-99 13:45	Received: 23-Nov-99 12:35							
TRPH	110	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G28(5,9.5,A5,A9.5) (W911590-12) Soil	Sampled: 22-Nov-99 14:00	Received: 23-Nov-99 12:35							
TRPH	95	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G29(5,9.5,A5,A9.5) (W911590-13) Soil	Sampled: 22-Nov-99 14:20	Received: 23-Nov-99 12:35							
TRPH	89	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G31(5,9.5,A5,A9.5) (W911590-14) Soil	Sampled: 22-Nov-99 14:45	Received: 23-Nov-99 12:35							
TRPH	230	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G30(5,9.5,A5,A9.5) (W911590-15) Soil	Sampled: 22-Nov-99 15:10	Received: 23-Nov-99 12:35							
TRPH	ND	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G32(5,9.5,A5,A9.5) (W911590-16) Soil	Sampled: 23-Nov-99 10:50	Received: 23-Nov-99 12:35							
TRPH	ND	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	
G1(5,9.5,A5,A9.5) (W911590-17) Soil	Sampled: 22-Nov-99 08:45	Received: 23-Nov-99 12:35							
TRPH	82	50	mg/kg	1	9K23012	23-Nov-99	23-Nov-99	SM 5520E/F	

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Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K23002: Prepared 23-Nov-99 Using EPA 5030B [MeOH]										
Blank (9K23002-BLK1)										
Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: a,a,a-Trifluorotoluene	*0.776*		"	*0.600*		*129*	*40-140*			
LCS (9K23002-BS1)										
Benzene	0.740	0.0050	mg/kg	0.800		92.5	50-150			
Toluene	0.762	0.0050	"	0.800		95.3	50-150			
Ethylbenzene	0.778	0.0050	"	0.800		97.2	50-150			
Xylenes (total)	2.38	0.0050	"	2.40		99.2	50-150			
Surrogate: a,a,a-Trifluorotoluene	*0.572*		"	*0.600*		*95.3*	*40-140*			
Matrix Spike (9K23002-MS1)					**Source: W911544-06**					
Benzene	0.738	0.0050	mg/kg	0.800	ND	92.2	50-150			
Toluene	0.746	0.0050	"	0.800	ND	93.2	50-150			
Ethylbenzene	0.760	0.0050	"	0.800	ND	95.0	50-150			
Xylenes (total)	2.32	0.0050	"	2.40	ND	96.7	50-150			
Surrogate: a,a,a-Trifluorotoluene	*0.560*		"	*0.600*		*93.3*	*40-140*			
Matrix Spike Dup (9K23002-MSD1)					**Source: W911544-06**					
Benzene	0.758	0.0050	mg/kg	0.800	ND	94.8	50-150	2.67	20	
Toluene	0.762	0.0050	"	0.800	ND	95.3	50-150	2.12	20	
Ethylbenzene	0.760	0.0050	"	0.800	ND	95.0	50-150	0	20	
Xylenes (total)	2.32	0.0050	"	2.40	ND	96.7	50-150	0	20	
Surrogate: a,a,a-Trifluorotoluene	*0.556*		"	*0.600*		*92.7*	*40-140*			

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Juliannne Fegley, Project Manager

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6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K23003: Prepared 23-Nov-99 Using EPA 5030B [MeOH]										
Blank (9K23003-BLK1)										
Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: a,a,a-Trifluorotoluene	*0.750*		"	*0.600*		*125*	*40-140*			
LCS (9K23003-BS1)										
Benzene	0.748	0.0050	mg/kg	0.800		93.5	50-150			
Toluene	0.788	0.0050	"	0.800		98.5	50-150			
Ethylbenzene	0.810	0.0050	"	0.800		101	50-150			
Xylenes (total)	2.36	0.0050	"	2.40		98.3	50-150			
Surrogate: a,a,a-Trifluorotoluene	*0.554*		"	*0.600*		*92.3*	*40-140*			
Matrix Spike (9K23003-MS1)					**Source: W911544-01**					
Benzene	0.748	0.0050	mg/kg	0.800	ND	93.5	50-150			
Toluene	0.766	0.0050	"	0.800	ND	95.7	50-150			
Ethylbenzene	0.772	0.0050	"	0.800	ND	96.5	50-150			
Xylenes (total)	2.23	0.0050	"	2.40	ND	92.9	50-150			
Surrogate: a,a,a-Trifluorotoluene	*0.490*		"	*0.600*		*81.7*	*40-140*			
Matrix Spike Dup (9K23003-MSD1)					**Source: W911544-01**					
Benzene	0.808	0.0050	mg/kg	0.800	ND	101	50-150	7.71	20	
Toluene	0.826	0.0050	"	0.800	ND	103	50-150	7.54	20	
Ethylbenzene	0.836	0.0050	"	0.800	ND	105	50-150	7.96	20	
Xylenes (total)	2.40	0.0050	"	2.40	ND	100	50-150	7.34	20	
Surrogate: a,a,a-Trifluorotoluene	*0.536*		"	*0.600*		*89.3*	*40-140*			

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Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Diesel Hydrocarbons (C9-C24) by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K24009: Prepared 24-Nov-99 Using EPA 3550A										
Blank (9K24009-BLK1)										
Diesel Range Hydrocarbons	ND	1.0	mg/kg							
Surrogate: n-Pentacosane	*0.833*		"	*1.11*		*75.0*	*50-150*			
LCS (9K24009-BS1)										
Diesel Range Hydrocarbons	15.0	1.0	mg/kg	15.0		100	60-140			
Surrogate: n-Pentacosane	*0.911*		"	*1.11*		*82.1*	*50-150*			
LCS Dup (9K24009-BSD1)										
Diesel Range Hydrocarbons	16.1	1.0	mg/kg	15.0		107	60-140	7.07	40	
Surrogate: n-Pentacosane	*0.889*		"	*1.11*		*80.1*	*50-150*			

Sequoia Analytical - Walnut Creek

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K23016: Prepared 23-Nov-99 Using EPA 3050B										
Blank (9K23016-BLK1)										
Lead	ND	2.5	mg/kg							
LCS (9K23016-BS1)										
Lead	48.4	2.5	mg/kg	50.0		96.8	80-120			
LCS Dup (9K23016-BSD1)										
Lead	54.8	2.5	mg/kg	50.0		110	80-120	12.4	20	
Matrix Spike (9K23016-MS1)					Source: W911590-01					
Lead	56.0	2.5	mg/kg	50.0	13	86.0	80-120			
Matrix Spike Dup (9K23016-MSD1)					Source: W911590-01					
Lead	64.0	2.5	mg/kg	50.0	13	102	80-120	13.3	20	

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Volatile Organic Compounds by EPA Method 8240B - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K23015: Prepared 24-Nov-99 Using EPA 5030B [P/T]										
Blank (9K23015-BLK4)										
Chloromethane	ND	0.10	mg/kg							
Vinyl chloride	ND	0.10	"							
Bromomethane	ND	0.10	"							
Chloroethane	ND	0.10	"							
Trichlorofluoromethane	ND	0.10	"							
1,1-Dichloroethene	ND	0.10	"							
Acetone	ND	0.50	"							
Carbon disulfide	ND	0.10	"							
Methylene chloride	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.10	"							
Vinyl acetate	ND	0.10	"							
1,1-Dichloroethane	ND	0.10	"							
cis-1,2-Dichloroethene	ND	0.10	"							
2-Butanone	ND	0.50	"							
Chloroform	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.10	"							
Carbon tetrachloride	ND	0.10	"							
Benzene	ND	0.10	"							
1,2-Dichloroethane	ND	0.10	"							
Trichloroethene	ND	0.10	"							
1,2-Dichloropropane	ND	0.10	"							
Bromodichloromethane	ND	0.10	"							
cis-1,3-Dichloropropene	ND	0.10	"							
4-Methyl-2-pentanone	ND	0.10	"							
Toluene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.10	"							
1,1,2-Trichloroethane	ND	0.10	"							
Tetrachloroethene	ND	0.10	"							
2-Hexanone	ND	0.10	"							
Dibromochloromethane	ND	0.50	"							
Chlorobenzene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Volatile Organic Compounds by EPA Method 8240B - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K23015: Prepared 24-Nov-99 Using EPA 5030B [P/T]										
Blank (9K23015-BLK4)										
Total Xylenes	ND	0.10	mg/kg							
Styrene	ND	0.10	"							
Bromoform	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.10	"							
Surrogate: Dibromofluoromethane	*0.0260*		"	*0.0250*		*104*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.0262*		"	*0.0250*		*105*	*50-150*			
Surrogate: Toluene-d8	*0.0248*		"	*0.0250*		*99.2*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0253*		"	*0.0250*		*101*	*50-150*			
Blank (9K23015-BLK5)										
Chloromethane	ND	0.10	mg/kg							
Vinyl chloride	ND	0.10	"							
Bromomethane	ND	0.10	"							
Chloroethane	ND	0.10	"							
Trichlorofluoromethane	ND	0.10	"							
1,1-Dichloroethene	ND	0.10	"							
Acetone	ND	0.50	"							
Carbon disulfide	ND	0.10	"							
Methylene chloride	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.10	"							
Vinyl acetate	ND	0.10	"							
1,1-Dichloroethane	ND	0.10	"							
cis-1,2-Dichloroethene	ND	0.10	"							
2-Butanone	ND	0.50	"							
Chloroform	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.10	"							
Carbon tetrachloride	ND	0.10	"							
Benzene	ND	0.10	"							
1,2-Dichloroethane	ND	0.10	"							
Trichloroethene	ND	0.10	"							
1,2-Dichloropropane	ND	0.10	"							
Bromodichloromethane	ND	0.10	"							

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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Chevron Project Number: Chevron Asphalt Plant Project Manager: Barbara Sieminski	**Reported:** 30-Nov-99 18:12

Volatile Organic Compounds by EPA Method 8240B - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K23015: Prepared 29-Nov-99 Using EPA 5030B [P/T]										
Blank (9K23015-BLK5)										
cis-1,3-Dichloropropene	ND	0.10	mg/kg							
4-Methyl-2-pentanone	ND	0.50	"							
Toluene	ND	0.10	"							
trans-1,3-Dichloropropene	ND	0.10	"							
1,1,2-Trichloroethane	ND	0.10	"							
Tetrachloroethene	ND	0.10	"							
2-Hexanone	ND	0.50	"							
Dibromochloromethane	ND	0.10	"							
Chlorobenzene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Styrene	ND	0.10	"							
Bromoform	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.10	"							
Surrogate: Dibromofluoromethane	*0.0232*		"	*0.0250*		*92.8*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.0251*		"	*0.0250*		*100*	*50-150*			
Surrogate: Toluene-d8	*0.0250*		"	*0.0250*		*100*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0249*		"	*0.0250*		*99.6*	*50-150*			
LCS (9K23015-BS4)										
1,1-Dichloroethene	2.34	0.10	mg/kg	2.50		93.6	65-135			
Benzene	2.37	0.10	"	2.50		94.8	70-130			
Trichloroethene	2.25	0.10	"	2.50		90.0	70-130			
Toluene	2.18	0.10	"	2.50		87.2	70-130			
Chlorobenzene	2.19	0.10	"	2.50		87.6	70-130			
Surrogate: Dibromofluoromethane	*0.0258*		"	*0.0250*		*103*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.0251*		"	*0.0250*		*100*	*50-150*			
Surrogate: Toluene-d8	*0.0245*		"	*0.0250*		*98.0*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0255*		"	*0.0250*		*102*	*50-150*			

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6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Volatile Organic Compounds by EPA Method 8240B - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K23015: Prepared 29-Nov-99 Using EPA 5030B [P/T]										
LCS (9K23015-BS5)										
1,1-Dichloroethene	4.91	0.10	mg/kg	5.00		98.2	65-135			
Benzene	4.99	0.10	"	5.00		99.8	70-130			
Trichloroethene	5.12	0.10	"	5.00		102	70-130			
Toluene	5.17	0.10	"	5.00		103	70-130			
Chlorobenzene	5.08	0.10	"	5.00		102	70-130			
Surrogate: Dibromofluoromethane	*0.0242*		"	*0.0250*		*96.8*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.0252*		"	*0.0250*		*101*	*50-150*			
Surrogate: Toluene-d8	*0.0249*		"	*0.0250*		*99.6*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0247*		"	*0.0250*		*98.8*	*50-150*			
Matrix Spike (9K23015-MS1)					**Source: W911214-01**					
1,1-Dichloroethene	2.15	0.10	mg/kg	2.50	ND	86.0	60-140			
Benzene	2.19	0.10	"	2.50	ND	87.6	60-140			
Trichloroethene	2.12	0.10	"	2.50	ND	84.8	60-140			
Toluene	2.08	0.10	"	2.50	ND	83.2	60-140			
Chlorobenzene	2.08	0.10	"	2.50	ND	83.2	60-140			
Surrogate: Dibromofluoromethane	*0.0255*		"	*0.0250*		*102*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.0258*		"	*0.0250*		*103*	*50-150*			
Surrogate: Toluene-d8	*0.0248*		"	*0.0250*		*99.2*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0251*		"	*0.0250*		*100*	*50-150*			
Matrix Spike Dup (9K23015-MSD1)					**Source: W911214-01**					
1,1-Dichloroethene	2.31	0.10	mg/kg	2.50	ND	92.4	60-140	7.17	25	
Benzene	2.40	0.10	"	2.50	ND	96.0	60-140	9.15	25	
Trichloroethene	2.55	0.10	"	2.50	ND	102	60-140	18.4	25	
Toluene	2.61	0.10	"	2.50	ND	104	60-140	22.6	25	
Chlorobenzene	2.52	0.10	"	2.50	ND	101	60-140	19.1	25	
Surrogate: Dibromofluoromethane	*0.0226*		"	*0.0250*		*90.4*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.0241*		"	*0.0250*		*96.4*	*50-150*			
Surrogate: Toluene-d8	*0.0253*		"	*0.0250*		*101*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0250*		"	*0.0250*		*100*	*50-150*			

Sequoia Analytical - Walnut Creek

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Juliana Fegley, Project Manager

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Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K23012: Prepared 23-Nov-99 Using EPA 3550A										
Blank (9K23012-BLK1)										
TRPH	ND	50	mg/kg							
LCS (9K23012-BS1)										
TRPH	4660	50	mg/kg	5000		93.2	70-130			
Matrix Spike (9K23012-MS1)					Source: W911590-01					
TRPH	5230	50	mg/kg	5000	340	97.8	60-140			
Matrix Spike Dup (9K23012-MSD1)					Source: W911590-01					
TRPH	5060	50	mg/kg	5000	340	94.4	60-140	3.30	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Project: Chevron
Project Number: Chevron Asphalt Plant
Project Manager: Barbara Sieminski

Reported:
30-Nov-99 18:12

Notes and Definitions

A-01	Unidentified Hydrocarbon >C10
D-06	Discrete peaks.
D-12	Chromatogram Pattern: Unidentified Hydrocarbons > C16
D-18	Chromatogram Pattern: Diesel C9-C24 + Unidentified Hydrocarbons >C16
P-01	Chromatogram Pattern: Gasoline C6-C12
P-04	Chromatogram Pattern: Gasoline C6-C12 + Unidentified Hydrocarbons C6-C12
P-05	Chromatogram Pattern: Unidentified Hydrocarbons >C8
P-06	Chromatogram Pattern: Gasoline C6-C12+ Unidentified Hydrocarbons >C8
R-05	The reporting limit(s) for this sample have been raised due to high levels of non-target compounds.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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ulianne Fegley, Project Manager

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
(415)842-9591

Chevron Facility Number: Former Chevron Asphalt Plant
Facility Address: 1520 Powell Street, Emeryville
Consultant Project Number: 345161.02
Consultant Name: Gettler-Ryan Inc.
Address: 6747 Sierra Ct, Ste G, Dublin, CA 94568
Project Contact (Name): Barbara Sieminski
(Phone) (925) 551-7555 (Fax Number) (925) 551-7888

Chevron Contact (Name): Brett Hunter
(Phone) (925) 842-8695
Laboratory Name: Sequoia
Laboratory Release Number: 9144488 1709/1590
Samples Collected by (Name): Barbara Sieminski
Collection Date: 11/23/99
Signature: B Sieminski

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	Total Lead	Remarks
-5	01A	1	S	D	8:30		Yes	X	X	X						X	
-9.5	B	1			8:40			X	X	X						X	
-A5	C	1			9:00			X	X	X						X	
-A9.5	D	1			9:10			X	X	X						X	
5	02A	1			9:20			X	X	X						X	
9.5	B	1			9:25			X	X	X						X	
A5	C	1			9:45			X	X	X						X	
A9.5	D	1			9:55			X	X	X						X	
5	03A	1			9:35			X	X	X						X	
9.5	B	1			9:40			X	X	X						X	
A5	C	1			9:50			X	X	X						X	
A9.5	D	1	↓	↓	10:00		↓	X	X	X						X	

Analyses To Be Performed

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
B Sieminski	G-R	11/23/99 11:45	HERO 624/ELP	HERO	11-23-99 1145
HERO 624/ELP	HERO	11-23-99 1235	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			[illegible] MLS		11/23 17:35

Turn Around Time (Circle Choice)
(24 Hrs.)
48 Hrs.
5 Days
10 Days
As Contracted

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: Former Chevron Asphalt Plant
Facility Address: 1520 Powell Street, Emeryville
Consultant Project Number: 345161.02
Consultant Name: Gettler-Ryan Inc
Address: 6747 Sierra Ct, Ste G, Dublin, CA 94568
Project Contact (Name): Barbara Sieminski
(Phone): (925) 551-7555 (Fax Number): (925) 551-7888

Chevron Contact (Name): Brett Hunter
(Phone): (925) 842-8695
Laboratory Name: Sequoia
Laboratory Release Number: 9144488 W911590
Samples Collected by (Name): Barbara Sieminski
Collection Date: 11/23/99
Signature: [signature]

Analyses To Be Performed

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520) Ef	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	Total lead					Remarks
-5	864/A (composite)	1	S	D	11:00		Yes	X	X	X						X					
-9.5	B	1	↓	↓	11:05		↓	X	X	X						X					
-A5	C	1	↓	↓	11:10		↓	X	X	X						X					
A9.5	D	1	↓	↓	11:15		↓	X	X	X						X					
5	05/A (composite)	1	↓	↓	10:30		↓	X	X	X						X					
9.5	B	1	↓	↓	10:35		↓	X	X	X						X					
A5	C	1	↓	↓	10:40		↓	X	X	X						X					
A9.5	D	1	↓	↓	10:45		↓	X	X	X						X					

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Barbara Sieminski	G-R	11/23/99	[signature]	[illegible]	11-23-99 1145
[signature]	[illegible]	11-23-99 1235			
			Received For Laboratory By (Signature) [signature]		11/23 12:35

Turn Around Time (Circle Choice)
- (24 Hrs.) (circled)
- 48 Hrs.
- 5 Days
- 10 Days
- As Contracted

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chain-of-Custody-Record

Chevron Facility Number: Former Chevron Asphalt Plant
Facility Address: 1520 Powell Street, Emeryville
Consultant Project Number: 345161.02
Consultant Name: Gettler-Ryan Inc
Address: 6747 Sierra Ct, Ste G, Dublin, CA 94568
Project Contact (Name): Barbara Sieminski
(Phone) (925) 551-7555 (Fax Number) (925) 551-7888

Chevron Contact (Name): Brett Hunter
(Phone) (925) 842-8695
Laboratory Name: Sequoia W911390
Laboratory Release Number: 9144488 ~~[illegible]~~
Samples Collected by (Name): Barbara Sieminski
Collection Date: 11/22/99
Signature: [signature]

Analyses To Be Performed

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + ~~TPH GAS~~ (8020 + 8015) *	TPH Diesel (8015)	~~Oil and Grease (5520)~~ 418.1 *	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA) * Pb by ICP	Remarks
8-5	15 A	1	S	D	10:45		Yes	X	X	X					X	* As per Greg Gurss 11/22/99 14:10
8-9.5	16	1			10:50											
9-5	17	1			11:00											
9-9.5	18	1			11:05											
4-5	19 06A	1			11:20											
4-9.5	20 B	1			11:25											
5-5	21	1			11:50											
5-9.5	22	1			11:55											

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature] Sieminski	G-R	11/22/99 1312	[signature] Green 681	AeroDEL	11/22/99 1315
[signature] 681	AeroDEL	11/22/99 1345			
			Received For Laboratory By (Signature) [signature]		11/22 13:45

Turn Around Time (Circle Choice)
24 Hrs. (circled)
48 Hrs.
5 Days
10 Days
As Contracted

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: Former Chevron Asphalt Plant
Facility Address: 1520 Powell Street Emeryville
Consultant Project Number: 345161.02
Consultant Name: Getter-Ryan Inc.
Address: 6747 Sierra Ct, Ste G, Dublin, CA 94568
Project Contact (Name): Barbara Sieminski
(Phone) (925) 551-7555 (Fax Number) (925) 551-7888

Chevron Contact (Name): Brett Hunte
(Phone) (925) 842-8695
Laboratory Name: Sequoia
Laboratory Release Number: 9144488 W91590
Samples Collected by (Name): Barbara Sieminski
Collection Date: 11/23/99
Signature: B. Sieminski

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520) E&F	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	Total Lead					Remarks
G-A5	06C	1	S	D	9:30		Yes	X	X	X						X					
G-A9.5	D	1			9:40			X	X	X						X					
G-5	07A	1			9:50			X	X	X						X					Composite with G-24-5 and G-24-9.5 collected on 11/22/99
G-9.5	B	1			9:55			X	X	X						X					
G-A5	C	1			10:00			X	X	X						X					
G-A9.5	D	1			10:05			X	X	X						X					
G-5	08A	1			10:10			X	X	X						X					
G-9.5	D	1			10:15			X	X	X						X					
G-5A	C	1			10:20			X	X	X						X					
G-9.5A	D	1			10:25			X	X	X						X					
G-5	09A	1			10:30			X	X	X						X					
G-5	D	1			10:35			X	X	X						X					
G-5	C	1			10:40			X	X	X						X					
G-9.5	D	1			10:45			X	X	X						X					

Analyses To Be Performed

By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
B. Sieminski	G-R	11/23/99 11:45	Acko Courier	Acko	11-23-99 11:45	24 Hrs.
Courier/UPS	Acko	11-23-99 1235	Received By (Signature)	Organization	Date/Time	48 Hrs.
By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time 11/23 12:35	5 Days
						10 Days
						As Contracted

U.S.A. Inc.
X 5004
n, CA 94583
)842-9591

Chevron Facility Number: Former Chevron Asphalt Plant
Facility Address: 1520 Powell Street, Emeryville
Consultant Project Number: 345161.02
Consultant Name: Getter-Ryan Inc
Address: 6747 Sierra Ct, Ste G, Dublin, CA 94568
Project Contact (Name): Barbara Sieminski
(Phone) (925) 551-7555 (Fax Number) (925) 551-7888

Chain of Custody Record

Chevron Contact (Name): Brett Hunter
(Phone): (925) 842-8695
Laboratory Name: Sequoia
Laboratory Release Number: 9144488 W911590
Samples Collected by (Name): Barbara Sieminski
Collection Date: 11/22/99
Signature: [signature]

Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520) B/F	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)						Remarks
10A	1	S	D	13:15		Yes														
B	1			13:20																
11A	1			13:45																
B	1			13:50																
12A	1			14:00																
B	1			14:05																
13A	1			14:20																
B	1			14:25																
14A	1			14:45																
B	1			14:50																
15A	1			15:10																
B	1	↓	↓	15:15		↓														

(Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
[signature]	G-R	11/23/99 1145	[signature]	[illegible]	11-23-99 1145	24 Hrs.
(Signature) [signature]	Organization [illegible]	Date/Time 11-23-99 1235	Received By (Signature)	Organization	Date/Time	48 Hrs.
Signature	Organization	Date/Time	Received For Laboratory By (Signature) [signature]		Date/Time 11/23 12:3	5 Days
						10 Days
						As Contracted

Chain-of-Custody-Record

1 U.S.A. Inc.
OX 5004
on, CA 94583
5)842-9591

Chevron Facility Number: Farmer Chevron Asphalt Plant
Facility Address: 1520 Buell St, Emeryville
Consultant Project Number: 345161.02
Consultant Name: Getler-Ryan Inc.
Address: 3164 Gold Camp Drive, Rancho Cordova
Project Contact (Name): Steve Carter
(Phone) 916 631-1300 (Fax Number) 916 631-1317

Chevron Contact (Name): Brett Hunter
(Phone): (925) 842-8695
Laboratory Name: Sequoia
Laboratory Release Number: 9144488 WW911590
Samples Collected by (Name): David Herzog
Collection Date: 11-23-99
Signature:

	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	Total Lead					Remarks
5	10C	1	S	G	0810	None	Y	X	X	X						X					
5	D	1			0815			X	X	X						X					
	11C	1			0830			X	X	X						X					
5	D	1			0840			X	X	X						X					
	12C	1			0900			X	X	X						X					
5	D	1			0910			X	X	X						X					
	13C	1			0920			X	X	X						X					
5	D	1			0930			X	X	X						X					
	15C	1			0940			X	X	X						X					
5	D	1			0950			X	X	X						X					
	14C	1			1000			X	X	X						X					
5	D	1			1010			X	X	X						X					
5	16C	1			1025			X	X	X						X					
5	D	1			1035			X	X	X						X					

Analyses To Be Performed

By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
	Getler-Ryan	11-23-99 1145			11-23-99 1145	24 Hrs.
By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	48 Hrs.
	AERO	11-23-99 1235				5 Days
By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	10 Days
					11/23 12:35	As Contracted

Chain-of-Custody-Record

U.S.A. Inc.
)X 5004
n, CA 94583
)842-9591

Chevron Facility Number: Former Chevron Asphalt Plant
Facility Address: 1520 Powell Street, Emeryville
Consultant Project Number: 34561.02
Consultant Name: Gettler-Ryan Inc
Address: 6747 Sierra Ct, Ste G, Dublin, CA 94568
Project Contact (Name): Barbara Sieminski
(Phone): (925) 551-7555 (Fax Number): (925) 551-7888

Chevron Contact (Name): Brett Hunter
(Phone): (925) 842-8695
Laboratory Name: Sequoia W911590
Laboratory Release Number: 9144488 ~~[illegible]~~
Samples Collected by (Name): Barbara Sieminski
Collection Date: 11/22/99
Signature: [signature]

Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + ~~TPH gas~~ (8020 + 8015) *	TPH Diesel (8015)	~~Oil and Grease (5520)~~ 418.1 *	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals ~~Cd,Cr,Pb,Zn,Ni~~ Pb by (ICP) *					Remarks
01 A	1	S	D	8:45		Yes	X	X	X										* As per Greg Gurss 11/22/99 14:10
02 B	1	↓	↓	8:50		↓	↓	↓	↓					X					
03	1			9:00										↓					
04	1			9:05															
05	1			9:15															
06	1			9:20															
07	1			9:30															
08	1			9:35															
09	1			9:40															
10	1			9:50															
11	1			10:00															
12	1			10:05															
13	1			10:20															
14 ↓	1	↓	↓	10:25		↓	↓	↓	↓					↓					

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature] Sieminski	G-R	11/22/99 1312	[signature]	AeroDel	11/22/99 1315
[signature]	AeroDEL	11/22/99 1345			
			Received For Laboratory By (Signature): [signature] (NL)		11/22 13:45

Turn Around Time (Circle Choice)
- (24 Hrs.) — circled
- 48 Hrs.
- 5 Days
- 10 Days
- As Contracted

Chain-of-Custody-Record

n U.S.A. Inc.
OX 5004
ion, CA 94583
5)842-9591

Chevron Facility Number: Former Chevron Asphalt Plant
Facility Address: 1520 Powell St, Emeryville
Consultant Project Number: 345161.02
Consultant Name: Gettler-Ryan Inc.
Address: 3164 Gold Camp Drive, Rancho Cordova
Project Contact (Name): Steve Carter
(Phone) 916 631-1300 (Fax Number) 916 631-1317

Chevron Contact (Name): Brett Hunter
(Phone): (925) 842-8695
Laboratory Name: Sequoia
Laboratory Release Number: 9144488 W911590
Samples Collected by (Name): David Herzog
Collection Date: 11-23-99
Signature:

Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520) E&F	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	Total Lead					Remarks
16A	1	S		1050	None	Y	X	X	X						X					
16B	1	↓		1100	↓	↓	X	X	X						X					
17C	1			1130			X	X	X						X					
D	1	↓		1140	↓	↓	X	X	X						X					

(Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
	Gettler-Ryan	11-23-99 1145			11.23.99 1145	24 Hrs.
(Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	48 Hrs.
	AEXO	11-23-99 2335				5 Days
(Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	10 Days
					11/23 12:35	As Contracted

COPY

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Oil & Grease
MW-1														
04/26/85	10.67	--	--	--	--	--	--	--	88	--	--	6.0		
09/11/87	10.67	--	--	--	--	--	--	--	63	--	--	--		
07/07/88	10.67	--	--	--	--	--	--	<100	65	--	--	--		
04/13/89	10.67	6.95	3.72	--	--	--	+	--	--	--	--	--		
04/14/89	10.67	--	--	--	--	--	+	<5000	34	<5.0	<5.0	<10		
07/31/89	10.67	4.95	5.72	--	--	--	+	7000	57	1.2	<0.2	1.6		
12/06/89	10.67	5.87	4.80	--	--	--	+	--	26	0.4	0.9	2.0		
03/21/90	10.67	5.93	4.74	--	--	--	+	3500	120	9.0	3.0	3.0		
06/19/90	10.67	5.92	4.75	--	--	--	+	2700	100	<0.3	<0.3	7.0		
09/20/90	10.67	5.60	5.07	--	--	--	+	--	--	--	--	--		
12/21/90	10.67	--	--	--	--	--	+	2200	120	2.0	2.0	0.79		
03/28/90	10.67	5.76	4.91	--	--	--	+	720	44	2.0	<0.5	9.0		
06/10/91	10.67	5.37	5.30	--	--	--	+	530	47	2.0	0.5	8.0		
09/08/91	10.67	4.82	5.85	--	--	--	+	1400	37	8.3	3.7	12		
12/27/91	10.67	5.54	5.13	--	--	--	+	840	16	7.1	4.5	11		
03/29/92	10.67	5.85	4.82	--	--	--	+	360	18	9.3	3.7	7.7		
06/26/92	10.67	6.35	4.32	--	--	--	+	420*	19	2.2	1.2	4.0		
09/23/92	10.67	5.25	5.42	--	--	--	+	4000*	50	82	40	160		
12/28/92	10.67	5.11	5.56	--	--	--	+	980	36	8.7	3.0	10		
03/04/93	10.67	4.37	6.30	--	--	--	+	[illegible]	--	--	1.2	4.9		
06/15/94	10.67	--	--	--	--	--	+	--	--	--	--	--	--	--

LONGER MONITORED OR SAMPLED — Inaccessible

(all we received was 16 pages)

To: Eric Owen
510/595-2340
From Sandra
@ Wareham
for Dan Nourse
415/457-4964

~~To: Dan Nourse~~
~~From: Susan Hugo~~
18 pages

Table of Additional Analyses
matogram pattern indicates an unidentified hydrocarbon.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Oil & Grease
MW-11														
07/07/88	11.38	--	--	--	--	--	--	--	<5.0	--	--	--	--	
04/14/89	11.38	--	--	--	--	--	+	<50	<0.5	<1.0	<1.0	<1.0	<3000	
07/31/89	11.38	--	--	--	--	--	+	<100	<0.2	<0.2	<0.2	<0.2	--	
12/08/89	11.38	--	--	--	--	--	+	--	<0.3	<0.3	<0.3	<0.6	--	
03/21/90	11.38	6.58	4.82	--	--	--	+	<50	<0.3	<0.3	<0.3	<0.6	--	
06/19/90	11.38	6.24	5.14	--	--	--	+	<50	<0.3	<0.3	<0.3	<0.6	--	
09/20/90	11.38	5.27	6.11	--	--	--	+	--	--	--	--	--	--	
09/21/90	11.38	--	--	--	--	--	+	<50	<0.3	<0.3	<0.3	<0.6	--	
12/28/90	11.38	6.22	5.16	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
05/10/91	11.38	3.55	7.83	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
08/08/91	11.38	5.06	6.32	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
11/27/91	11.38	5.71	5.67	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
01/29/92	11.38	5.55	5.83	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
03/26/92	11.38	7.29	4.09	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
07/23/92	11.38	5.19	6.19	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
10/28/92	11.38	4.87	6.51	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
05/04/93	11.38	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	
01/05/94	11.38	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	
05/13/94	11.38	5.71	5.67	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
10/24/94	11.38	4.59	6.79	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
04/19/95	11.38	5.69	5.69	--	--	--	+	58*	0.6	<0.5	<0.5	0.5	--	
11/08/95	11.38	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	
04/26/96	11.38	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	
10/10/96	11.38	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	
04/22/97	11.38	5.44	5.94	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
10/16/97	11.38	5.90	5.48	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	18	
05/04/98	11.38	5.86	5.52	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	**	
10/27/98	11.38	5.23	6.15	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	12	
10/27/98	11.38	5.23	6.15	--	--	--	Confirmation run	--	--	--	--	--	<2.0	
04/15/99	11.38	6.38	5.00	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	

+ See Table of Additional Analyses.
* Chromatogram report indicates an unidentified hydrocarbon.
** Sample has ave chlorinated hydrocarbon pattern, needs GCMS confirmation of MTBE.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Oil & Grease
MW-18														
03/21/90	9.80	4.65	5.15	--	--	--	+	<50	<0.3	<0.3	<0.3	<0.6	--	
06/19/90	9.80	4.61	5.19	--	--	--	+	<50	<0.3	<0.3	<0.3	<0.6	--	
09/20/90	9.80	4.26	5.54	--	--	--	+	<50	<0.3	<0.3	<0.3	<0.6	--	
12/28/90	9.80	4.54	5.26	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
05/10/91	9.80	4.62	5.18	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
08/08/91	9.80	4.35	5.45	--	--	--	+	52	<0.5	<0.5	<0.5	<0.5	--	
11/27/91	9.80	4.56	5.24	--	--	--	+	<50	0.6	1.5	0.6	2.1	--	
01/29/92	9.80	4.68	5.12	--	--	--	+	67	3.7	5.2	1.5	5.0	--	
03/26/92	9.80	4.96	4.84	--	--	--	+	80	<0.5	<0.5	<0.5	0.8	--	
07/23/92	9.80	4.31	5.49	--	--	--	+	50	1.3	2.1	0.5	3.0	--	
10/28/92	9.80	4.33	5.47	--	--	--	+	54	<0.5	1.3	<0.5	1.1	--	
05/04/93	9.80	4.73	5.07	--	--	--	+	<50	<0.5	<0.5	<0.5	<1.5	--	
01/05/94	9.80	4.75	5.05	--	--	--	+	<50	<0.5	0.5	<0.5	0.6	--	
05/13/94	9.80	5.04	4.76	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.6	--	
10/24/94	9.80	4.15	5.65	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
04/19/95	9.80	4.70	5.10	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
11/06/95	9.80	4.23	5.57	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
04/26/96	9.80	4.73	5.07	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
10/10/96	9.80	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	
04/22/97	9.80	4.77	5.03	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
10/16/97	9.80	3.82	5.98	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
05/04/98	9.80	4.89	4.91	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
10/27/98	9.80	4.70	5.10	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
04/15/99	9.80	5.05	4.75	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	

+ See Table of Additional Analyses.
* Sample has ave chlorinated hydrocarbon pattern, needs GCMS confirmation of MTBE.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Oil Grea
MW-19														
03/21/90	8.45	3.45	5.00	--	--	--	+	<50	<0.3	<0.3	<0.3	<0.6	--	
06/19/90	8.45	3.39	5.06	--	--	--	+	<50	<0.3	<0.3	<0.3	<0.6	--	
09/20/90	8.45	3.20	5.25	--	--	--	+	<50	<0.3	<0.3	<0.3	<0.6	--	
12/28/90	8.45	3.38	5.07	--	--	--	+	66	<0.5	<0.5	<0.5	<0.5	--	
05/10/91	8.45	3.43	5.02	--	--	--	+	60*	<0.5	<0.5	<0.5	<0.5	--	
08/08/91	8.45	3.28	5.17	--	--	--	+	58	<0.5	<0.5	<0.5	<0.5	--	
11/27/91	8.45	3.39	5.06	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
01/29/92	8.45	3.52	4.93	--	--	--	+	<50	1.7	2.6	0.7	2.1	--	
03/26/92	8.45	3.66	4.79	--	--	--	+	80	<0.5	<0.5	<0.5	<0.5	--	
07/23/92	8.45	3.23	5.22	--	--	--	+	70	0.6	0.5	<0.5	1.5	--	
10/28/92	8.45	3.29	5.16	--	--	--	+	170	4.3	28	5.1	24	--	
05/04/93	8.45	3.52	4.93	--	--	--	+	120	2.0	4.7	2.8	8.1	--	
01/05/94	8.45	3.54	4.91	--	--	--	+	<50	2.0	1.4	1.7	2.5	--	
06/13/94	8.45	4.27	4.18	--	--	--	+	<50	<0.5	0.9	<0.5	<0.5	--	
10/24/94	8.45	3.60	4.85	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	
04/19/95	8.45	4.25	4.20	--	--	--	+	270**	<0.5	<0.5	<0.5	<0.5	--	
11/06/95	8.45	--	--	--	--	--	Abandoned	--	--	--	--	--	--	
MW-19A														
11/06/95	9.96	5.11	4.85	--	--	--	+	420	<0.5	<0.5	<0.5	<0.5	<5.0	-
04/26/96	9.96	5.78	4.18	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-
10/10/96	9.96	5.40	4.56	--	--	--	+	810**	<0.5	<0.5	<0.5	<0.5	21	-
04/22/97	9.96	5.79	4.17	--	--	--	+	430**	<0.5	<0.5	<0.5	<0.5	<5.0	-
10/16/97	9.96	5.83	4.13	--	--	--	+	380	<0.5	<0.5	<0.5	<0.5	22	-
06/04/98	9.96	5.93	4.03	--	--	--	+	200**	<0.5	<0.5	<0.5	<0.5	--	-
05/04/98	9.96	5.93	4.03	--	--	--	+	--	--	--	--	--	<2.0	-
10/27/98	9.96	5.75	4.21	--	--	--	+	170**	<0.5	<0.5	<0.5	<0.5	12	-
10/27/98	9.96	5.75	4.21	--	--	--	Confirmation run	--	--	--	--	--	<2.0	-
04/15/99	9.96	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	-

+ See Table of Additional Analyses.
* Monitoring well was destroyed during soil excavation in 1989.
** Chromatogram pattern indicates an unidentified hydrocarbon.

ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Date	Notes	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
MW-1												
04/14/89	--	<5.0	--	19	720	<5.0	<5.0	11	<5.0	<20	340	ND*
07/31/89	--	6.8	--	54	2600	2.7	7.2	57	<0.2	<1.0	760	ND**
12/08/89	--	4.3	2700	--	--	1.7	1.4	59	<0.5	<0.5	520	--
03/21/90	--	7.1	7000	--	--	2.1	1.1	130	<0.5	<0.5	1100	--
06/19/90	--	12	6100	--	--	3.1	<0.5	81	<0.5	<0.5	1200	--
09/21/90	--	1.8	2400	--	--	2.2	1.7	60	<0.5	<0.5	1100	ND***
12/28/90	--	2.0	--	28	1500	1.0	0.6	15	<0.5	<0.5	510	ND+
05/10/91	--	10	--	69	5500	2.0	<0.5	280	<0.5	<0.5	1800	ND++
08/08/91	--	2.9	--	45	2300	1.5	<0.5	110	<0.5	<0.5	<1.0	ND+++
11/27/91	--	<25	--	<25	5900	<25	<25	<25	<25	<25	640	<25
01/29/92	--	<25	--	26	1900	<25	<25	<25	<25	<25	320	<25
03/26/92	--	<50	--	<50	1500	<50	<50	<50	<50	<50	260	<50
07/23/92	--	<50	--	<50	2300	<50	<50	<50	<50	<50	170	<50
10/28/92	--	4.2	--	30	1600	3.6	<0.5	16	<0.5	<0.5	810	ND
05/04/93	--	1.0	--	16	670	0.5	<0.5	9.2	<0.5	<0.5	110	<0.5
01/05/94	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
05/13/94	Paved over	--	--	--	--	--	--	--	--	--	--	--

* = 6 ppb 1,2-dichloropropane detected; other HVOCs not detected.
** = 0.6 ppb 1,2-dichloroethane detected; other HVOCs not detected.
*** = 63 ppb chloromethane and 0.6 ppb methylene chloride detected; other HVOCs not detected; sample contained 1,250 ppb total dissolved solids.
+ = 0.9 ppb trans-1,3-dichloropropane detected; other HVOCs not detected; sample contained 810 ppb total dissolved solids.
++ = 0.9 ppb trichlorofluoromethane and 1 ppb trans-1,3-dichloropropane detected; other HVOCs not detected.
+++ = 11 ppb trans-1,3-dichloropropane detected; other HVOCs not detected.

Cumulative Table of Well Data and Analytical Results

ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Sample	Notes	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
W-2												
3/14/89	–	<0.2	<0.2	–	–	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	–
7/31/89	–	<0.2	<0.2	–	–	<0.4	0.5	<0.2	<0.2	<1.0	<0.2	–
10/06/89	–	<0.2	<0.5	–	–	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	–
1/21/90	–	<0.2	<0.5	–	–	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	–
4/19/90	–	<0.2	<0.5	–	–	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	–
7/21/90	–	<0.2	<0.5	–	–	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	–
10/28/90	–	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	–
1/10/91	–	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
4/08/91	–	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
7/27/91	–	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
10/29/92	–	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
1/26/92	–	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
4/23/92	–	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
7/28/92	–	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
1/04/93	Inaccessible	–	–	–	–	–	–	–	–	–	–	–
4/05/94	Inaccessible	–	–	–	–	–	–	–	–	–	–	–
7/13/94	Inaccessible	–	–	–	–	–	–	–	–	–	–	–
10/24/94	Dry	–	–	–	–	–	–	–	–	–	–	–
1/06/95	Abandoned	–	–	–	–	–	–	–	–	–	–	–
W-2A												
4/06/95	–	<1.0	–	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
7/26/96	–	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	<0.5-<5.0
10/10/96	–	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
1/22/97	–	<2.5	–	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<4.0	ND
4/16/97	–	<1.0	–	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.5	ND
7/04/98	–	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
10/27/98	–	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
1/15/99	–	<1.25	–	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	<2.50	ND

ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Date	Notes	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
MW-7												
04/14/89	--	<1.0	<1.0	--	--	1.0	1.0	<1.0	<1.0	<2.0	<1.0	--
07/31/89	--	<0.1	0.3	--	--	0.3	4.5	<0.1	<0.1	<0.5	<0.1	ND*
07/31/89	--	<0.1	0.4	--	--	0.2	2.6	<0.1	<0.1	<0.5	<0.1	ND*
12/08/89	--	<0.2	<0.5	--	--	<0.5	0.67	<0.5	<0.5	<0.5	<1.0	--
03/21/90	--	<0.2	<0.5	--	--	<0.5	1.4	<0.5	<0.5	<0.5	<1.0	--
06/19/90	--	<0.2	<0.5	--	--	<0.5	0.87	<0.5	<0.5	<0.5	<1.0	--
09/21/90	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
12/28/90	--	<0.5	--	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<1.0	--
05/10/91	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
08/08/91	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
11/27/91	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
01/29/92	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
03/26/92	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
07/23/92	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
10/28/92	--	--	--	--	--	--	--	--	--	--	--	--
05/04/93	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
01/05/94	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
05/13/94	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5-<1.0
10/24/94	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5-<1.0
04/19/95	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
11/06/95	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
04/26/96	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	<0.5-<5.0
10/10/96	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
04/22/97	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
10/16/97	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.5	ND
05/04/98	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
10/27/98	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
04/15/99	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND

* = 0.1 ppb 1,2-dichlorobenzene detected; other HVOCs not detected.

Cumulative Table of Well Data and Analytical Results

ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Date	Notes	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
MW-8												
04/14/89	--	<1.0	<1.0	--	--	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	--
07/31/89	--	<0.1	0.53	0.6	1.9	1.7	1.7	0.4	<0.1	<0.5	1.2	ND
12/08/89	--	<0.2	0.96	--	--	<0.5	0.84	<0.5	<0.5	<0.5	<1.0	--
03/21/90	--	<0.2	0.59	--	--	<0.5	0.72	<0.5	<0.5	<0.5	<1.0	--
06/19/90	--	<0.2	<0.5	--	--	<0.5	0.67	<0.5	<0.5	<0.5	<1.0	--
09/21/90	--	<0.2	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
12/28/90	--	<0.5	--	<0.5	<0.5	<0.5	2.0	<0.5	<0.5	<0.5	<1.0	ND
05/10/91	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
08/08/91	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
11/27/91	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
01/29/92	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
03/26/92	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
07/23/92	--	--	--	--	--	--	--	--	--	--	--	--
10/28/92	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
05/04/93	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
01/05/94	Inaccessible	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5-<1.0
05/13/94	--	--	--	--	--	--	--	--	--	--	--	--
10/24/94	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
04/19/95	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
11/06/95	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
04/26/96	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
10/10/96	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
04/22/97	--	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
10/16/97	--	<0.5	--	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	ND
05/04/98	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
10/27/98	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
04/15/99	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
MW-9												
05/10/91	Unable to locate	--	--	--	--	--	--	--	--	--	--	--

ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Date	Notes	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	
MW-10										
04/14/89	--	<1.0	15	--	--	2.0	<1.0	5.0	<1.0	
07/31/89	--	0.7	--	6.3	27	2.9	<0.1	5.3	<0.1	
12/08/89	--	<0.2	24	--	--	3.1	<0.5	4.9	<0.5	
03/21/90	--	0.7	30	--	--	2.5	<0.5	3.5	<0.5	
06/19/90	--	0.3	33	--	--	2.6	<0.5	6.3	<0.5	
09/21/90	--	<0.2	32	--	--	5.0	<0.5	5.9	<0.5	
12/28/90	--	<0.5	--	6.0	19	2.0	<0.5	5.0	<0.5	
05/10/91	--	0.6	--	7.0	24	2.0	<0.5	6.0	<0.5	
06/06/91	--	<0.5	--	7.0	33	3.1	<0.5	6.2	<0.5	
11/27/91	--	<0.5	--	8.6	100	<0.5	<0.5	8.5	<0.5	
01/29/92	--	<0.5	--	9.1	30	2.8	<0.5	7.4	<0.5	
03/26/92	--	0.7	--	9.2	29	2.5	<0.5	6.8	<0.5	
07/23/92	--	<0.5	--	6.1	21	1.5	<0.5	4.7	<0.5	
10/28/92	--	<0.5	--	4.3	16	2.1	<0.5	4.1	<0.5	
05/04/93	Inaccessible	--	--	--	--	--	--	--	--	
01/05/94	--	<0.5	--	1.3	5.2	0.6	1.0	0.8	<0.5	
05/13/94	--	<0.5	--	12	31	2.7	<0.5	4.8	<0.5	
10/24/94	--	<10	--	13	44	<10	<10	<10	<10	
04/19/95	--	0.7	--	14	36	<0.5	<0.5	9.2	<0.5	
11/08/95	--	1.0	--	19	41	1.4	<1.0	14	<1.0	
04/26/96	Inaccessible	--	--	--	--	--	--	--	--	
10/10/96	--	0.7	--	17	38	0.8	<0.5	14	<0.5	
04/22/97	--	<0.5	--	12	27	0.5	<0.5	13	<0.5	
10/16/97	--	<1.0	--	11	23	<1.0	<1.0	<10	<1.0	
05/04/98	--	<0.5	--	6.5	16	<0.5	<0.5	7.6	<0.5	
10/27/98	--	<0.5	--	7.7	18	0.54	<0.5	9.6	<0.5	
04/15/99	--	<0.5	--	8.32	19.1	0.603	<0.5	11.3	<0.5	

ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Date	Notes	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
MW-11												
04/14/89	--	<1.0	120	--	--	<1.0	<1.0	4.0	<1.0	<2.0	10	--
07/31/89	--	0.9	--	40	110	2.2	1.4	2.9	<0.2	<0.2	<0.2	ND
12/08/89	--	0.5	120	--	--	2.1	1.2	4.1	<0.5	<0.5	2.4	--
03/21/90	--	1.3	150	--	--	1.2	1.7	3.5	<0.5	<0.5	4.3	ND*
06/19/90	--	0.068	140	--	--	1.3	<0.5	5.0	<0.5	<0.5	1.0	--
09/21/90	--	<0.2	100	--	--	1.1	<0.5	3.8	<0.5	<0.5	<1.0	--
12/28/90	--	<0.5	--	23	43	0.9	0.7	3.0	<0.5	<0.5	<1.0	--
06/10/91	--	0.9	--	44	110	0.5	<0.5	5.0	<0.5	<0.5	<1.0	ND
08/08/91	--	<0.5	--	29	77	0.9	<0.5	2.4	<0.5	<0.5	<1.0	ND
11/27/91	--	<0.5	--	34	240	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
01/29/92	--	<5.0	--	33	91	<5.0	<5.0	<5.0	<5.0	<5.0	<10	ND
03/26/92	--	<2.5	--	21	51	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	ND
07/23/92	--	<0.5	--	18	46	0.6	<0.5	1.4	<0.5	<0.5	<0.5	<0.5
10/28/92	--	0.6	--	36	80	<0.5	<0.5	4.6	<0.5	<0.5	<1.0	ND
05/04/93	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
01/05/94	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
05/13/94	--	<0.5	--	62	82	<0.5	<0.5	7.9	<0.5	<0.5	1.7	<0.5-<1.0
10/24/94	--	<10	--	28	75	<10	<10	<10	<10	<10	<10	<10-<20
04/19/95	--	<0.5	--	18	39	<0.5	<0.5	6.5	<0.5	1.0	<0.5	ND**
11/06/95	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
04/26/96	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
10/10/96	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
04/22/97	--	<0.5	--	4.7	12	<0.5	<0.5	3.0	<0.5	<0.5	<0.5	ND
10/16/97	--	<1.0	--	5.1	24	<1.0	<1.0	<10	<1.0	<1.0	3.7	ND
05/04/98	--	<0.5	--	4.2	12	<0.5	<0.5	2.8	<0.5	<0.5	<1.0	ND
10/27/98	--	<0.5	--	2.7	8.3	<0.5	<0.5	1.8	<0.5	<0.5	<1.0	ND
04/15/99	--	<0.5	--	[redacted]	[redacted]	<0.5	<0.5	[redacted]	<0.5	<0.5	<1.0	ND

* = 1.8 ppb 1,2-dichloroethane detected; other HVOCs not detected
** = Chloromethane was detected at 2.4 ppb. Other HVOCs not detected at detection limits of 0.5 ppb.

Cumulative Table of Well Data and Analytical Results

ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Date	Notes	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
MW-16												
03/21/90	--	<0.2	0.8	--	--	<0.5	<0.5	27	8.0	2.0	<1.0	--
06/19/90	--	<0.2	<0.5	--	--	<0.5	<0.5	35	7.0	2.0	<1.0	--
09/20/90	--	<0.2	0.9	--	--	<0.5	<0.5	49	16	4.1	<1.0	--
12/28/90	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	29	18	4.0	<1.0	ND*
05/10/91	--	<0.5	--	<0.5	0.6	<0.5	<0.5	32	10	4.0	<1.0	ND
08/08/91	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	35	13	1.9	<1.0	ND
11/27/91	--	<0.5	--	<0.5	1.3	<0.5	<0.5	47	12	1.8	<1.0	ND**
01/29/92	--	<0.5	--	<0.5	0.9	<0.5	<0.5	31	11	1.8	<1.0	ND
03/26/92	--	<0.8	--	<0.8	<0.8	<0.8	<0.8	24	8.5	1.7	<1.7	<0.8-<1.7
07/23/92	--	<0.5	--	<0.5	0.9	<0.5	<0.5	37	12	1.0	<0.5	<0.5
10/28/92	--	<0.5	--	<0.5	1.7	<0.5	<0.5	39	14	1.1	<1.0	ND
05/04/93	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	32	10	1.1	<1.0	<0.5
01/05/94	Inaccessible	--	--	--	--	--	--	--	--	--	--	--
05/13/94	Paved over	--	--	--	--	--	--	--	--	--	--	--

* = 0.5 ppb 1,2-dichloroethane detected; other HVOCs not detected.
** = 0.9 ppb 1,2-dichloroethane detected; other HVOCs not detected.

ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Date	Notes	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
MW-17												
03/21/90	–	<0.2	5.2	–	–	0.7	1.3	32	11	1.1	<1.0	–
06/19/90	–	<0.2	3.1	–	–	<0.5	1.0	38	13	1.2	<1.0	–
09/20/90	–	<0.2	2.4	–	–	<0.5	1.4	44	16	2.8	<1.0	–
12/28/90	–	<0.5	–	<0.5	2.0	<0.5	0.6	34	15	2.0	<1.0	–
05/10/91	–	<0.5	–	<0.5	3.0	<0.5	0.6	37	14	1.0	<1.0	ND
08/08/91	–	<0.5	–	<0.5	2.5	<0.5	<0.5	68	15	0.9	<1.0	ND
11/27/91	–	<0.5	–	<0.5	13	<0.5	<0.5	59	14	2.4	<1.0	ND
01/29/92	–	<0.5	–	<0.5	2.9	<0.5	0.8	35	15	1.1	<1.0	ND
03/26/92	–	<0.5	–	<0.5	1.5	<0.5	0.7	41	12	0.6	<1.0	ND
07/23/92	–	<0.5	–	<0.5	1.1	<0.5	<0.5	31	14	0.8	<0.5	<0.5
10/28/92	–	<0.5	–	<0.5	1.6	<0.5	<0.5	42	11	0.8	<1.0	ND
05/04/93	–	<0.5	–	<0.5	1.1	<0.5	<0.5	26	12	0.6	<1.0	<0.5
01/05/94	–	<0.5	–	<0.5	1.1	<0.5	<0.5	25	13	0.8	<1.0	<0.5
05/13/94	–	<0.5	–	<0.5	1.0	<0.5	0.6	23	13	<0.5	<0.5	<0.5-<1.0
10/24/94	–	<0.5	–	<0.5	1.4	<0.5	<0.5	26	13	<0.5	<0.5	<0.5-<1.0
04/19/95	–	<0.5	–	<0.5	0.9	<0.5	1.1	21	12	1.2	<0.5	<0.5
11/06/95	–	<1.0	–	<1.0	1.1	<1.0	<1.0	29	13	<1.0	<1.0	ND
04/26/96	–	<0.5	–	<0.5	0.8	<0.5	1.2	24	11	0.6	<0.8	<0.5-<5.0
10/10/96	–	<0.5	–	<0.5	1.5	<0.5	0.9	31	16	0.6	<0.8	ND
04/22/97	–	<0.5	–	<0.5	1.2	<0.5	1.7	21	11	<0.5	<0.8	ND
10/16/97	–	<1.0	–	<1.0	1.1	<1.0	1.2	21	7.9	<1.0	<0.5	ND
05/04/98	–	<0.5	–	<0.5	1.4	<0.5	2.1	20	11	0.58	<1.0	ND

Cumulative Table of Well Data and Analytical Results

ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Date	Notes	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
MW-18												
03/21/90	--	<0.2	1.7	--	--	<0.5	2.4	33	20	0.9	<1.0	--
06/19/90	--	<0.2	2.7	--	--	<0.5	0.9	63	20	0.73	<1.0	--
09/20/90	--	<0.2	3.3	--	--	<0.5	1.6	76	25	1.7	<1.0	--
12/28/90	--	<0.5	--	<0.5	2.0	<0.5	0.8	44	21	1.0	<1.0	--
05/10/91	--	<0.5	--	<0.5	2.0	<0.5	0.7	47	20	2.0	<1.0	ND
08/08/91	--	<0.5	--	<0.5	2.0	<0.5	0.7	32	25	1.0	<1.0	ND
11/27/91	--	<0.5	--	<0.5	3.6	<0.5	0.5	60	18	1.5	<1.0	ND
01/29/92	--	<5.0	--	<5.0	<5.0	<5.0	<5.0	67	17	<5.0	<10	ND
03/26/92	--	<1.2	--	<1.2	6.4	<1.2	<1.2	130	19	1.7	<2.5	ND
07/23/92	--	<0.5	--	<0.5	3.0	<0.5	0.5	67	19	0.8	<0.5	<0.5
10/28/92	--	<0.5	--	<0.5	1.1	<0.5	<0.5	52	14	0.8	<1.0	ND
05/04/93	--	<0.5	--	<0.5	1.9	<0.5	0.7	48	18	2.5	<1.0	ND*
01/05/94	--	<0.5	--	<0.5	4.0	<0.5	0.8	94	17	1.0	<1.0	<0.5
05/13/94	--	<0.5	--	<0.5	0.8	<0.5	0.8	16	15	0.8	<0.5	<0.5-<1.0
10/27/94	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	22	15	1.2	<0.5	<0.5-<1.0
04/19/95	--	<0.5	--	<0.5	2.2	<0.5	1.3	46	14	1.1	<0.5	ND**
11/06/95	--	<1.0	--	<1.0	1.8	<1.0	1.2	45	18	<1.0	<1.0	ND
04/26/96	--	<0.5	--	0.9	2.8	<0.5	3.0	31	17	0.6	<0.8	<0.5-<5.0
10/10/96	Paved over	--	--	--	--	--	--	--	--	--	--	--
04/22/97	--	<0.5	--	<0.5	1.7	<0.5	3.2	26	15	<0.5	<0.8	ND
10/16/97	--	<1.0	--	<1.0	1.0	<1.0	2.2	25	11	<1.0	<0.5	ND
05/04/98	--	1.1	--	1.7	4.5	2.5	3.1	40	<1.0	<1.0	<2.0	ND
10/27/98	--	<0.5	--	<0.5	0.77	<0.5	1.7	19	14	<0.5	<1.0	ND
04/15/99	--	<0.625	--	1.78	3.45	<0.625	2.29	27.4	14.5	0.908	<1.25	ND

* = Dichloromethane detected at 6.2 ppb; other HVOCs not detected at detection limits of 0.5 ppb.
** = Chloromethane was detected at 0.6 ppb. Other HVOCs not detected at detection limits of 0.5 ppb.

Cumulative Table of Well Data and Analytical Results

ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Date	Notes	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
MW-19												
03/21/90	--	<0.2	10	--	--	<0.5	2.5	41	53	3.2	<1.0	--
06/19/90	--	<0.2	13	--	--	<0.5	1.5	46	47	2.6	<1.0	--
09/20/90	--	<0.2	5.8	--	--	<0.5	2.5	39	32	3.1	<1.0	--
12/28/90	--	<0.5	--	0.8	22	<0.5	1.0	40	44	3.0	<1.0	--
05/10/91	--	<0.5	--	2.0	12	<0.5	1.0	47	47	3.0	<1.0	ND
08/08/91	--	<0.5	--	1.1	4.8	<0.5	1.1	41	35	2.8	<1.0	ND
11/27/91	--	<0.5	--	1.9	29	<0.5	0.9	59	31	2.7	<1.0	ND
01/29/92	--	<5.0	--	<5.0	8.9	<5.0	<5.0	51	44	3	<10	ND
03/26/92	--	<1.2	--	1.7	23	<1.2	1.5	68	130	1.4	<2.5	ND*
07/23/92	--	1.1	--	1.4	5.6	<0.5	1.0	61	38	3.3	<0.5	<0.5
10/28/92	--	<0.5	--	0.9	5.3	<0.5	1.1	46	24	2.2	<1.0	ND
05/04/93	--	<0.5	--	2.5	8.7	0.5	1.1	69	32	3.9	<1.0	<0.5
01/05/94	--	<0.5	--	1.7	1.7	<0.5	16	49	46	<0.5	<1.0	<0.5
05/13/94	--	<0.5	--	1.8	22	<0.5	0.7	40	58	<0.5	<0.5	<0.5-<1.0
10/24/94	--	<50	--	110	54	<50	<50	98	300	<50	<50	<50-<100
04/19/95	--	<0.5	--	<0.5	65	<0.5	<0.5	130	870	<0.5	<0.5	<0.5
11/06/95	Abandoned	--	--	--	--	--	--	--	--	--	--	--
MW-19A												
11/06/95	--	1.0	--	<1.0	110	<1.0	<1.0	160	1500	<1.0	<1.0	ND
04/26/96	--	<5.0	--	<5.0	140	<5.0	<5.0	200	990	<5.0	<8.0	<5.0-<50
10/10/96	--	<10	--	<10	110	<10	<10	150	1500	<10	<16	ND
04/22/97	--	<5.0	--	7.1	85	9.1	<5.0	150	830	<5.0	<8.0	ND
10/16/97	--	1.6	--	6.9	100	5.5	<1.0	130	660	<1.0	4.2	ND**
05/04/98	--	<10	--	13	80	<10	<10	230	500	<10	<20	ND
10/09/98	--	<25	--	<25	70	<25	<25	80	910	<25	<50	ND

* = 1,1,2,2-Tetrachloroethane detected at 1.8 ppb; other HVOCs not detected at detection limits of 1.2 to 2.5 ppb.
** = Laboratory report indicates 1,1,2,2-Tetrachloroethane was detected at 3.8 ppb.
Reported values for cis-1,2-dichloroethene; trichloroethene and tetrachloroethene are from 50X dilution sample re-analysis.

Results

tical results are in parts per billion (ppb)

Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Oil & Grease
<5.0	--	--	--	--	--
<0.5	<1.0	<1.0	<1.0	--	<3,000,000
<0.5	<0.5	<0.1	<0.2	--	--
<0.3	<0.3	<0.3	<0.6	--	--
<0.3	<0.3	<0.3	<0.6	--	--
--	--	--	--	--	--
<0.3	<0.3	<0.3	<0.6	--	--
<0.5	<0.5	<0.5	<0.5	--	--
<0.5	<0.5	<0.5	<0.5	--	--
<0.5	<0.5	<0.5	<0.5	--	--
<0.5	<0.5	<0.5	<0.5	--	--
<0.5	<0.5	<0.5	<0.5	--	--
<0.5	1.8	0.5	1.9	--	--
0.6	0.7	<0.5	1.2	--	--
--	--	--	--	--	--
<0.5	<0.5	<0.5	0.6	--	--
<0.5	<0.5	<0.5	1.3	--	--
<0.5	<0.5	<0.5	<0.5	--	--
<0.5	<0.5	<0.5	<0.5	--	--
<0.5	<0.5	<0.5	<0.5	<5.0	--
--	--	--	--	--	--
<0.5	<0.5	<0.5	0.6	34	--
--	--	--	--	<5.0	--
<0.5	<0.5	<0.5	<0.5	<5.0	--
<0.5	<0.5	<0.5	<0.5	34	--
<0.5	<0.5	<0.5	<0.5	*	--
<0.5	<0.5	<0.5	<0.5	<2.5	--
<0.5	<0.5	<0.5	<0.5	9.45	--

Cumulative Table of Well Data and Analytical Results

ments are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

ll d y.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Oil & Grease
96	--	--	--	--	--	--	--	ND	--	--	--	--	--
96	--	--	--	--	--	--	--	<10	--	--	--	--	--
96	--	--	--	--	--	--	20,000	<5.0	--	--	--	--	--
96	7.66	2.80	--	--	--	+	--	--	--	--	--	--	--
96	--	--	--	--	--	+	<50	<0.5	<1.0	<1.0	<1.0	<3000	<3,000,00
96	4.76	5.70	--	--	--	+	<50	<0.1	<0.5	<0.1	<0.2	--	--
96	6.33	4.13	--	--	--	+	--	<0.3	<0.3	<0.3	<0.6	--	--
96	6.39	4.07	--	--	--	+	<50	<0.3	<0.3	<0.3	<0.6	--	--
96	6.21	4.25	--	--	--	+	<50	<0.3	<0.3	<0.3	<0.6	--	--
96	5.47	4.99	--	--	--	+	--	--	--	--	--	--	--
96	--	--	--	--	--	+	<50	6.0	<0.3	<0.3	<0.6	--	--
96	6.07	4.39	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	--
96	6.33	4.13	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	--
96	4.93	5.53	--	--	--	+	<50	<0.5	<0.6	<0.5	<0.5	--	--
96	5.87	4.59	--	--	--	+	<50	<0.5	<0.5	<0.6	<0.5	--	--
96	5.16	5.30	--	--	--	+	<50	<0.5	<0.5	<0.5	0.7	--	--
96	6.87	3.59	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	--
96	5.40	5.06	--	--	--	+	--	--	--	--	--	--	--
96	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	--
98	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	--
96	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	--
96	4.87	5.59	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	--	--
96	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	--
96	--	--	--	--	--	*	--	--	--	--	--	--	--
96	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	--
96	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	--
96	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	--
96	4.67	5.79	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
96	5.14	5.32	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
96	4.91	5.55	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
96	4.49	5.97	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
96	5.21	5.25	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--

f Additional Analyses.
ell was destroyed during soil excavation in 1989.

Cumulative Table of Well Data and Analytical R

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytic

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH- Gasoline	E
MW-10									
07/07/88	10.82	--	--	--	--	--	--	--	
04/14/89	10.82	--	--	--	--	--	+	<50	
07/31/89	10.82	--	--	--	--	--	+	<50	
12/08/89	10.82	--	--	--	--	--	+	--	
03/21/90	10.82	6.22	4.60	--	--	--	+	<50	
06/19/90	10.82	6.93	4.89	--	--	--	+	<50	
09/20/90	10.82	5.05	5.77	--	--	--	+	--	
09/21/90	10.82	--	--	--	--	--	+	<50	
12/28/90	10.82	5.83	4.99	--	--	--	+	<50	
05/10/91	10.82	5.02	5.80	--	--	--	+	<50	
08/08/91	10.82	4.96	5.86	--	--	--	+	<50	
11/27/91	10.82	5.43	5.39	--	--	--	+	<50	
01/29/92	10.82	5.38	5.44	--	--	--	+	<50	
03/26/92	10.82	5.86	4.96	--	--	--	+	<50	
07/23/92	10.82	5.02	5.80	--	--	--	+	<50	
10/28/92	10.82	4.76	6.06	--	--	--	+	<50	
05/04/93	10.82	--	--	--	--	--	Inaccessible	--	
01/05/94	10.82	4.90	5.92	--	--	--	+	<50	
05/13/94	10.82	5.73	5.09	--	--	--	+	140	
10/24/94	10.82	4.58	6.24	--	--	--	+	<50	
04/19/95	10.82	5.56	5.26	--	--	--	+	<50	
11/06/95	10.82	4.57	6.25	--	--	--	+	<50	
04/26/96	10.82	--	--	--	--	--	Inaccessible	--	
10/10/96	10.82	4.72	6.10	--	--	--	+	<50	
10/10/96	10.82	4.72	6.10	--	--	--	EPA 8240	--	
04/22/97	10.82	5.32	5.50	--	--	--	+	<50	
10/16/97	10.82	5.74	5.08	--	--	--	+	<50	
05/04/98	10.82	5.81	5.01	--	--	--	+	<50	
10/27/98	10.82	5.30	5.52	--	--	--	+	<50	
04/15/99	10.82	6.27	4.55	--	--	--	+	<50	

+ See Table of Additional Analyses.
* Sample has ave chlorinated hydrocarbon pattern, needs GCMS confirmation of MTBE.

Extended Page

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Oil & Grease
MW-7 (CONT'D)														
4/26/96	10.47	6.07	4.40	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
0/10/96	10.47	5.45	5.02	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
4/22/97	10.47	5.93	4.54	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
0/16/97	10.47	6.05	4.42	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
6/04/98	10.47	6.05	4.42	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
0/27/98	10.47	5.66	4.81	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
4/15/99	10.47	6.07	4.40	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
								<50	<0.5	<0.5	<0.5	<0.5	<5.0	--

See Table of Additional Analyses.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Oil & Grease
MW-2A														
1/06/95	12.45	7.94	4.51	--	--	--	+							
4/26/96	12.45	8.35	4.10	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
0/10/96	12.45	7.13	5.32	--	--	--	+	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
4/22/97	12.45	8.50	3.95	--	--	--	+	60*	<0.5	<0.5	<0.5	<0.5	<5.0	--
0/16/97	12.45	7.77	4.68	--	--	--	+	<50	0.8	<0.5	<0.5	<0.5	<5.0	--
3/04/98	12.45	8.91	3.54	--	--	--	+	80	<0.5	<0.5	<0.5	<0.5	<5.0	--
0/27/98	12.45	7.31	5.14	--	--	--	+	96*	<0.5	<0.5	<0.5	<0.5	<5.0	--
0/27/98	12.45	7.31	5.14	--	--	--	+	170*	<0.5	<0.5	<0.5	<0.5	<2.5	--
4/15/99	12.45	9.83	2.62	--	--	--	Confirmation run +	116	0.609	<0.5	<0.5	9.6	44	--
												<0.5	<2.0 <5.0	--

e Table of Additional Analyses
romatogram pattern indicates an unidentified hydrocarbon.

ALTAMONT LANDFILL
WASTE ACCEPTANCE FORM

CUSTOMER NAME: CHEVRON USA PRODUCTS

CUSTOMER: #0608

PROFILE: #53796500

GENERATOR NAME: CHEVRON USA PRODUCTS

MATERIAL DESCRIPTION: **TPH-STOCKPILE/CLASS II COVER SOIL**

WASTE SOURCE (County / City location) - EMERYVILLE

FLAG COLOR: GREEN

The Information listed above is necessary for acceptance of special waste at the Altamont Landfill.

- **A copy of this form must be presented with <u>each load</u> to the Altamont Landfill scale house collector.**
- **This form is for Altamont Landfill waste tracking use and is not intended to serve as a customer shipping document.**
- **Drivers will receive a weight ticket for confirmation of disposal.**
- **An alternative shipping record may be used in lieu of this form if it includes the above information.**
- **If shipping form is a multiple part form, please notify landfill of which copies to return with the driver, if not otherwise noted on the form.**

FOR ALTAMONT LANDFILL COLLECTOR USE ONLY:

FILL IN TAG# ASSOCIATED WITH LOAD (USE OUTBOUND# FOR UNTARED LOADS)

SCALE HOUSE TAG # - _____

DATE _____

TRUCK # _____

ALTAMONT LANDFILL
WASTE ACCEPTANCE FORM

CUSTOMER NAME: CHEVRON USA PRODUCTS

CUSTOMER: #0608

PROFILE: #53796600

GENERATOR NAME: CHEVRON USA PRODUCTS

MATERIAL DESCRIPTION: **CLASS II COVER SOIL**

WASTE SOURCE (County / City location) - EMERYVILLE

FLAG COLOR: YELLOW

The Information listed above is necessary for acceptance of special waste at the Altamont Landfill.

- **A copy of this form must be presented with <u>each load</u> to the Altamont Landfill scale house collector.**
- **This form is for Altamont Landfill waste tracking use and is not intended to serve as a customer shipping document.**
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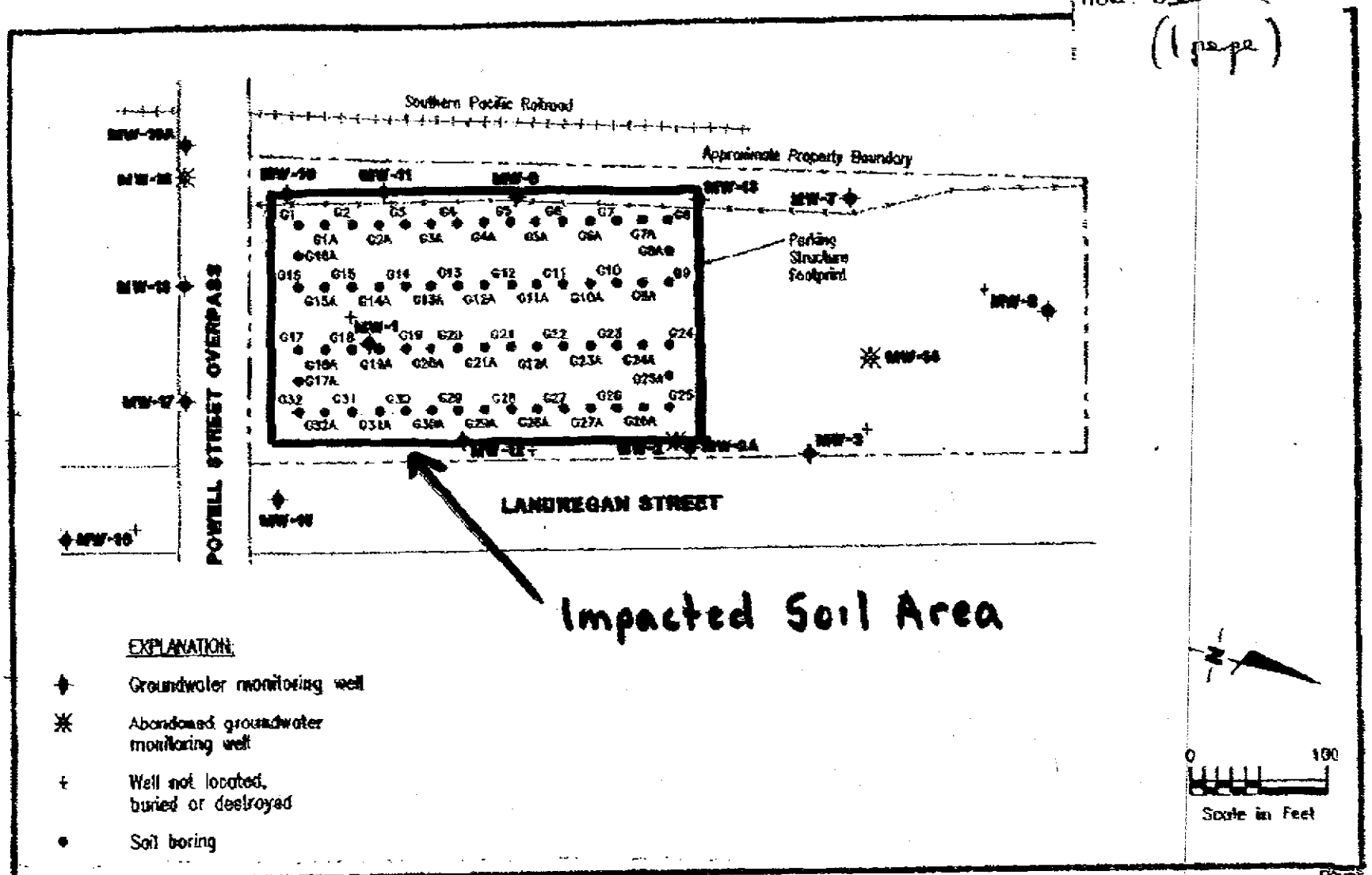
FOR ALTAMONT LANDFILL COLLECTOR USE ONLY:

FILL IN TAG# ASSOCIATED WITH LOAD (USE OUTBOUND# FOR UNTARED LOADS)

SCALE HOUSE TAG # - _____

DATE _____

TRUCK # _____



Gettler - Ryan Inc.
6747 Sierra Ct, Suite J (925) 551-7555
Dublin, CA 94568

SITE PLAN
Former Chevron Asphalt Plant
and Terminal No. 1001067
Emeryville, California

FIGURE 2

JOB NUMBER 345161.02 | REVIEWED BY | DATE 11/99 | REVISED DATE