RO -563

ConocoPhillips

76 Broadway
Sacramento, CA 95818
phone 916.558.7676
fax 916.558.7639

March 4, 2005

Mr. Robert Schultz
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

RE: ConocoPhillips (Former BP) Site #11122
3101 98th Avenue
Oakland, California

Dear Mr. Shultz:

Please find attached a *Due Diligence Site Assessment Report* dated February 22, 2005 for the above referenced site. The report summarizes the results of an investigation performed as part of the planned divestment of this property by ConocoPhillips.

If you have any questions or need further information, please contact me at (916) 558-7604.

Sincerely,

Liz Sewell
Site Manager
Risk Management & Remediation

Attachment

cc: Kyle Christie, Atlantic Richfield Company

SECOR

SECOR
INTERNATIONAL
INCORPORATED

www.secor.com
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
916.861.0400 TEL
916.861.0430 FAX

February 22, 2005

Andrew Stow
ConocoPhillips
600 North Dairy Ashford
Houston, Texas 77079

Re: Due Diligence Site Assessment Report
ConocoPhillips Station #2611122
3101 98th Avenue
Oakland, California

Mr. Stow:

SECOR International Incorporated (SECOR) is pleased to present the results of the Due Diligence Site Assessment conducted at the operating ConocoPhillips Station 2611122 located at 3101 98th Avenue, Oakland, California (Figure 1). The purpose of the site assessment was to generate a baseline assessment of property conditions at the time of property transfer. The data reported herein were collected on behalf of ConocoPhillips, and were not requested or required by a regulatory agency.

The completed scope of work is outlined below:

- Prepared a site specific Health and Safety Plan;
- Prepared and submitted soil boring permits to Alameda County Public Works;
- Marked the soil boring locations, notified Underground Service Alert (USA) and conducted a geophysical survey with a private utility locator to identify any potential conflicts with existing underground utilities;
- Drilled five exploratory soil borings at the locations illustrated on Figure 1;
- Collected soil samples at approximate 5-foot intervals for purposes of logging subsurface conditions, field detection of organic vapors using a photoionization detector (PID), and potential laboratory analysis;
- Prepared a report of the site assessment activities.

Baseline Site Investigation

Field Activities

Five soil borings (B-1 through B-5) were advanced on the site on January 24, 2005. Boring depths ranged from 24 to 27 feet below ground surface (bgs) at which point bedrock refusal was encountered. Each of the soil borings was drilled with direct push drilling equipment. Previous assessments reported seasonal groundwater beneath the site, however during this assessment groundwater was not encountered. The locations of all completed borings are illustrated on Figure 1.

Soil boring permits were obtained from the Alameda County Public Works and are included in Attachment A. A physical description of the soil types encountered at each sampling location was recorded on boring logs in accordance with the Unified Soils Classification System (USCS). The boring logs are included in Attachment B. At the completion of each boring, the boreholes were backfilled with cement grout and capped with concrete to match existing grade.

Laboratory Analysis

Soil samples collected during field activities were delivered under chain-of-custody to Severn Trent Laboratories (STL) of Pleasanton, California. This laboratory is certified by the State of California Department of Health Services Environmental Laboratory Accreditation Program to perform the analyses reported herein. Soil samples collected from borings B-1 through B-4 were analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, xylenes (BTEX), and fuel oxygenates methyl tert-butyl ether (MtBE), ethyl tert-butyl ether (EtBE), tert-amyl methyl ether (TAME), tert-butyl ether (TBA), di-isopropal ether (DIPE), ethylene dibromide (EDB), 1,2-dichloroethane (1,2-DCA), and ethanol by EPA Method 8260B. Due to the proximity of B-5 to the waste oil tank, soil samples collected from boring B-5 were only analyzed for total oil and grease by EPA method 1664A and total lead.

Review of the soil sample field and laboratory data indicates the following:

- TPHg, TBA, and MtBE was reported in soil samples B-1@20' and B-3@20'. TBA and MtBE were reported in soil sample B-1@24'. TPHg, total xylenes, TBA and MtBE were reported in soil sample B-2@15'. MtBE was reported in soil samples B-3@24' and B-4@15'. Maximum reported concentrations of TPHg, total xylenes, TBA, and MtBE were 4.7 miligrams per kilogram (mg/kg), 0.0084 mg/kg, 0.069 mg/kg, and 0.027 mg/kg respectively.

- PID measurements on soil samples screened in the field ranged from 0.0 parts per million (ppm) to 10.8 ppm.

Soil sample laboratory results are summarized in Table 1. Copies of the laboratory report and chain-of-custody documentation are attached as Attachment C.

Waste Disposal

Soil and rinsate water generated during drilling operations was stored at the site in 55-gallon metal drums pending characterization and disposal. Filter Recycling, of Colton, California, transported the soil and rinsate water to their Rialto, California facility for recycling.

We appreciate the opportunity to be of service on this project. Please do not hesitate too contact the undersigned if you have any questions regarding the information presented herein.

Respectfully Submitted,

SECOR INTERNATIONAL INCORPORATED

Clinton Harms
Associate Scientist

Daniel J. Davis, R.G.
Senior Geologist

REGISTERED GEOLOGIST
DANIEL J. DAVIS
No. 6435
STATE OF CALIFORNIA

cc: William Rodgers, ConocoPhillips (PDF copy)
Ed Ralston, ConocoPhillips
Bob Turrietta, ConocoPhillips Real Estate, 3611 Harbor Blvd., Suite 200, Santa Ana, CA 92704 (2 hard copies)

ATTACHMENTS:

Figure 1 - Site Plan
Table 1 - Soil Analytical Data
Attachment A – Alameda County Public Works—Boring Permits
Attachment B - Boring Logs
Attachment C - Laboratory Reports and Chain-of-Custody

FIGURE

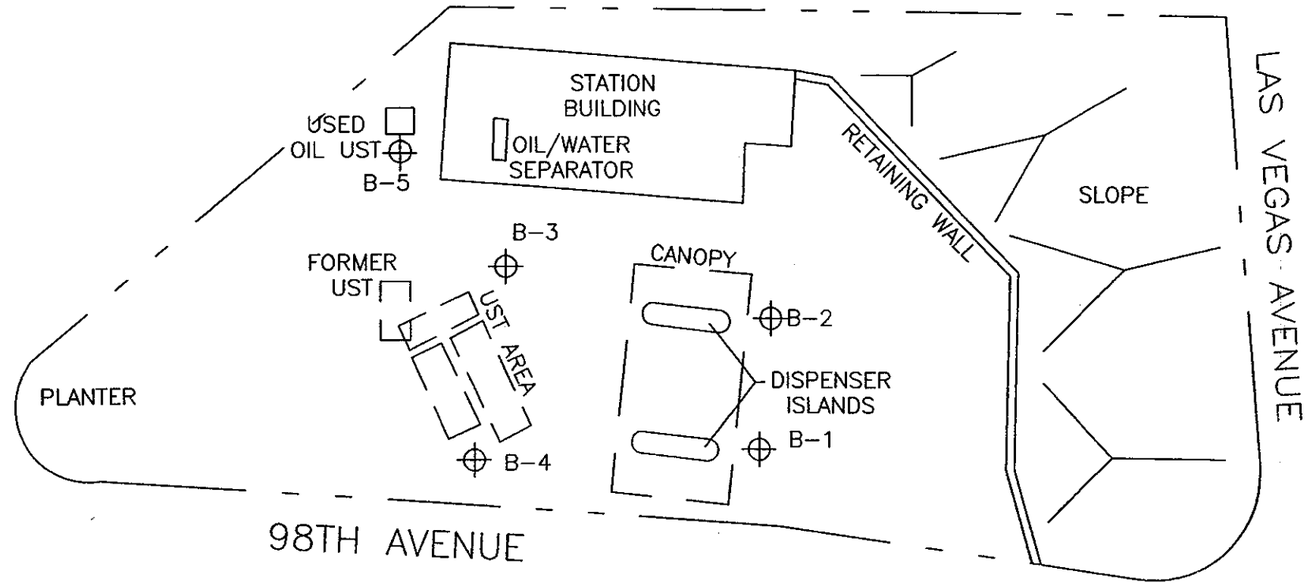
LEGEND

UST — UNDERGROUND STORAGE TANK

PROPERTY LINE

BORING LOCATION

N



0 30 60

APPROXIMATE SCALE (FEET)

SECOR
3017 Kilgore Road, Suite 100
Rancho Cordova, California
(916) 861-0400

PREPARED FOR:
ConocoPhillips
76 Station #11122
3101 98th Avenue
Oakland, California

SITE MAP

FIGURE: 1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
77CP.60122.00.0001	ARA	CH	CH	1/31/04

CP-11122

TABLE

Table 1
Soil Analytical Data

ConocoPhillips Station 2611122
3101 98th Avenue
Oakland, CA

Sample Name	Sample Depth (feet)	Date Sampled	PID (ppm)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TBA (mg/kg)	MtBE (mg/kg)	Total Lead (mg/kg)	Oil and Grease (mg/kg)
B-1@20'	10	1/24/2005	**10.4**	**1.0**	<0.005	<0.005	<0.005	<0.005	**0.051**	**0.020***	na	na
B-1@24'	30	1/24/2005	**2**	<1.0	<0.005	<0.005	<0.005	<0.005	**0.053**	**0.012***	na	na
B-2@15'	15	1/24/2005	**10.8**	**4.7**	<0.005	<0.005	<0.005	**0.0084**	**0.063**	**0.027***	na	<50
B-2@24'	35	1/24/2005	**1**	<1.0	<0.005	<0.005	<0.005	<0.005	**0.069**	<0.005*	na	<50
B-3@20'	20	1/24/2005	**9.9**	**1.1**	<0.005	<0.005	<0.005	<0.005	**0.026**	**0.011***	na	na
B-3@24'	24	1/24/2005	0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.01	**0.0073***	na	na
B-4@15'	35	1/24/2005	**1.9**	<1.0	<0.005	<0.005	<0.005	<0.005	<0.010	**0.014***	na	na
B-4@24'	40	1/24/2005	**1.7**	<1.0	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005*	na	na
B-5@10'	10	1/24/2005	**1.3**	na	na	na	na	na	na	na	<1.0	<50
B-5@27'	27	1/24/2005	**1**	na	na	na	na	na	na	na	<1.0	<50

TPHg = Total petroleum hydrocarbons as gasoline
MtBE = Methyl tert-butyl ether
TBA= tert-Butyl alcohol
ppm = parts per million
mg/kg = milligrams per kilograms
* = Soil samples were analyzed for fuel oxygenates (DIPE, TAME, EtBE, EDB, Ethanol, and 1,2-DCA) and all were reported as not detected
< = less than the stated laboratory method reporting limit
PID = Photoinoization Detector
na= not analysed

ATTACHMENT A
ALAMEDA COUNTY PUBLIC WORKS -- BORING PERMITS

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939 www.acfcwcd.org

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT
Station # 2611122
3101 98th Avenue
Oakland, CA 94605

CLIENT
Name Conoco Phillips
Address 76 Broadway Phone
City Sacramento Zip 95818

APPLICANT
Name SECOR International, Inc.
Fax (916) 861-0430
Address 2017 Kilgore, Suite 100 Phone (916) 861-0400
City Rancho Cordova Zip 95670

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	☐	Well Destruction	☐

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	☐
Cable	☐	Other	☒ Direct Push		

DRILLER'S NAME Precision Sampling
DRILLER'S LICENSE NO. 636387

WELL PROJECTS
Drill Hole Diameter — in. Maximum
Casing Diameter — in. Depth — ft.
Surface Seal Depth — ft. Owner's Well Number —

GEOTECHNICAL/CONTAMINATION PROJECTS
Number of Borings 5 Maximum
Hole Diameter 2 in. Depth 25 ft.

STARTING DATE 10-28-04
COMPLETION DATE 10-29-04

FOR OFFICE USE
PERMIT NUMBER W04-1098
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and Industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL/CONTAMINATION
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS -B#1

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [signature] DATE 10-28-04

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] DATE 10-15-04

PLEASE PRINT NAME CLINT HARMS

Rev.5-11-04

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD, CA. 94544-1395
PHONE (510) 670-6633 James Yoo FAX (510) 782-1939

PERMIT NO. W04-1098

WATER RESOURCES SECTION
GROUNDWATER PROTECTION ORDINANCE
B#1-GENERAL CONDITIONS: GEOTECHNICAL & CONTAMINATION BOREHOLES

1. Prior to any drilling activities, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that Federal, State, County or to the City and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained.

2. Boreholes shall not be left open for a period of more than **24 hours**. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permitte, permittee's, contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statues regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on-or off site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

4. Permit is valid only for the purpose specified herein **October 28 to October 29, 2004**. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

5. Drilling Permit(s) can be voided/ canceled only in writing. It is the applicants responsibilities to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

6. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.

7. **Applicant shall contact this office for Inspection time at 510-670-6633 within 48 hours.**

ATTACHMENT B
BORING LOGS

SECOR

Logged By:	Date Drilled:	Drilling Contractor	Project Name:	Method/Equipment:	Boring Number:
R. Peltier	1/24/05	Precision	76 Station #2611122 Oakland, CA	Air Knife Geoprobe	B-1

Boring Diam.(in.):	Surface Elev.(ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive wt.(lbs.):	Drop Dist.(in.):
2"			24.0		

Well Construction	Depth, (ft.)	Sample Recovery	Description	PID [PPM]	SAMPLE NAME
ASPHALT			ASPHALT.		
			CLAYEY GRAVEL WITH SAND (GC): strong brown, damp, coarse to fine-grained sand, angular rock fragments, backfill material, no hydrocarbon odor, (50,30,20).		
	5		Same as above.	1.9	B-1 @5'
			FAT CLAY (CH): dark brown, coarse to fine-grained sand, subangular to angular fine gravel, damp, high plasticity, no odor, (10,10,80).		
	10		Same as above, moderate hydrocarbon odor.	2.4	B-1 @10'
NEAT CEMENT GROUT	15		Same as above.	4.6	B-1 @15'
			Same as above, black.		
	20		Same as above, moist.	10.4	B-1 @20'
			Same as above, dry.		
			Same as above, no hydrocarbon odor.	2.3	B-1 @24'
			Refusal at 24'.		

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. **77CP.60122.00.0003** Date **2/7/05 RP**

Log of Boring

CP 2611122 B1-5.GPJ
LOG OF BOREHOLE

Figure

SECOR

Logged By:	Date Drilled:	Drilling Contractor	Project Name:	Method/Equipment:	Boring Number:
R. Peltier	1/24/05	Precision	76 Station #2611122 Oakland, CA	Air Knife Geoprobe	B-2

Boring Diam.(in.):	Surface Elev.(ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive wt.(lbs.):	Drop Dist.(in.):
2"			24.0		

Well Construction	Depth, (ft.)	Sample Recovery	Description	PID [PPM]	SAMPLE NAME
ASPHALT			ASPHALT.		
			CLAYEY GRAVEL WITH SAND (GC): strong brown, damp, coarse to fine-grained sand, angular rock fragments, backfill material, no hydrocarbon odor, (50,30,20).		
	5		Same as above.	0	B-2 @5'
	10		Same as above.	0	B-2 @10'
			FAT CLAY (CH): black, damp, coarse to fine-grained sand, subangular fine gravel, high plasticity, strong hydrocarbon odor, (10,10,80).		
NEAT CEMENT GROUT	15		Same as above, slight hydrocarbon odor.	10.8	B-2 @15'
	20		Same as above, moist, plant fragments, no hydrocarbon odor.	6.4	B-2 @20'
			Same as above, dry, very hard.	1	B-2 @25'
			Refusal at 24'.		

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. **77CP.60122.00.0003** Date **2/7/05 RP**

Log of Boring

CP 2611122 B1-5.GPJ
LOG OF BOREHOLE

Figure

SECOR

Logged By:	Date Drilled:	Drilling Contractor	Project Name:	Method/Equipment:	Boring Number:
R. Peltier	1/24/05	Precision	76 Station #2611122 Oakland, CA	Air Knife Geoprobe	B-3

Boring Diam.(in.):	Surface Elev.(ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive wt.(lbs.):	Drop Dist.(in.):
2"			24.0		

Well Construction	Depth, (ft.)	Sample Recovery	Description	PID [PPM]	SAMPLE NAME
ASPHALT			ASPHALT.		
			CLAYEY GRAVEL WITH SAND (GC): strong brown, damp, coarse to fine-grained sand, angular rock fragments, backfill material, no hydrocarbon odor, (50,30,20).		
			FAT CLAY (CH): black, damp, coarse to fine-grained sand, high plasticity, no hydrocarbon odor (0,10,90).		
	5		Same as above.	3.8	B-3 @5'
	10		Same as above, moderate hydrocarbon odor.	8.9	B-3 @10'
NEAT CEMENT GROUT	15		Same as above, strong hydrocarbon odor.	4.6	B-3 @15'
	20		Same as above.	9.9	B-3 @20'
			Same as above, no hydrocarbon odor.	0	B-3 @24'
			Refusal at 24'.		

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. **77CP.60122.00.0003** Date **2/7/05 RP**

Log of Boring

CP 2611122 B1-5.GPJ
LOG OF BOREHOLE

Figure

SECOR

Logged By:	Date Drilled:	Drilling Contractor	Project Name:	Method/Equipment:	Boring Number:
R. Peltier	1/24/05	Precision	76 Station #2611122 Oakland, CA	Air Knife Geoprobe	B-4

Boring Diam.(in.):	Surface Elev.(ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive wt.(lbs.):	Drop Dist.(in.):
2"			24.0		

Well Construction	Depth, (ft)	Sample Recovery	Description	PID [PPM]	SAMPLE NAME
ASPHALT			ASPHALT.		
			CLAYEY GRAVEL WITH SAND (GC): strong brown, damp, coarse to fine-grained sand, angular rock fragments, backfill material, no hydrocarbon odor, (50,30,20).		
			CLAYEY SAND WITH GRAVEL (SC): olive brown, dry, coarse to fine-grained sand, angular rock fragments, backfill material, no hydrocarbon odor, (25,50,25).		
	5		Same as above.	0	B-4 @5'
	10		Same as above.	0	B-4 @10'
			FAT CLAY (CH): black, dry, coarse to fine-grained sand, angular fine gravel, high plasticity, hard, no hydrocarbon odor, (10,10,80).		
NEAT CEMENT GROUT	15		Same as above, dark brown.	1.9	B-4 @15'
			GRAVELLY FAT CLAY (CH): brown, dry, angular coarse to fine gravel, no hydrocarbon odor, (40,10,50). **FAT CLAY (CH):** dark brown, dry, coarse to fine-grained sand, angular fine gravel, high plasticity, hard, no hydrocarbon odor, (10,10,80).		
	20		Same as above.	0	B-4 @20'
			Same as above, very dark brown, very hard. Refusal at 24'.	1.7	B-4 @24'

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. **77CP.60122.00.0003** Date **2/7/05 RP**

Log of Boring

CP 2611122 B1-5.GPJ
LOG OF BOREHOLE

Figure

SECOR

Logged By:	Date Drilled:	Drilling Contractor	Project Name:	Method/Equipment:	Boring Number:
R. Peltier	1/24/05	Precision	76 Station #2611122 Oakland, CA	Air Knife Geoprobe	B-5

Boring Diam.(in.):	Surface Elev.(ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive wt.(lbs.):	Drop Dist.(in.):
2"			27.0		

Well Construction	Depth, (ft.)	Sample Recovery	Description	PID [PPM]	SAMPLE NAME
ASPHALT			ASPHALT.		
			CLAYEY SAND WITH GRAVEL (SC): olive brown, dry, coarse to fine-grained sand, angular rock fragments, backfill material, no hydrocarbon odor, (25,50,25).		
	5		Same as above.	0	B-5 @5'
			Rock fragments, white, angular.		
			FAT CLAY (CH): black, dry, coarse to fine-grained sand, angular fine gravel, high plasticity, no hydrocarbon odor, (10,10,80).		
	10		Same as above.	1.3	B-5 @10'
			FAT CLAY WITH SAND (CH): olive, dry, coarse to fine-grained sand, subangular fine gravel, moderate plasticity, no hydrocarbon odor, (10,25,65).		
NEAT CEMENT GROUT	15			0	B-5 @15'
	20		Same as above, olive-yellow.	0	B-5 @20'

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. **77CP.60122.00.0003** Date **2/7/05 RP**

Log of Boring

CP 2611122 B1-5.GPJ
LOG OF BOREHOLE

Figure

SECOR

Logged By:	Date Drilled:	Drilling Contractor	Project Name:	Method/Equipment:	Boring Number:
R. Peltier	1/24/05	Precision	76 Station #2611122 Oakland, CA	Air Knife Geoprobe	B-5

Boring Diam.(in.):	Surface Elev.(ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive wt.(lbs.):	Drop Dist.(in.):
2"			27.0		

Well Construction	Depth, (ft.)	Sample Recovery	Description	PID [PPM]	SAMPLE NAME
			Same as above, calcium carbonate cement.	1	B-5 @27'
	30				
	35				
	40				
	45				

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. **77CP.60122.00.0003** Date **2/7/05 RP**

Log of Boring

CP 2611122 B1-5.GPJ
LOG OF BOREHOLE

Figure

ATTACHMENT C
LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

SEVERN TRENT STL

Submission#: 2005-01-0743

SECOR-Sacramento

February 09, 2005

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

Attn.: Clint Harms
Project: Conoco Philips Site # 2611122
Site: 3101 98th Avenue, Oakland, CA

Dear Mr. Harms,

Attached is our report for your samples received on 01/26/2005 15:00
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 03/12/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,

Afsaneh Salimpour

Afsaneh Salimpour
Project Manager

SEVERN TRENT STL

Submission: 2005-0 1-0743

Total Lead

SECOR-Sacramento
Attn.: Clint Harms

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Philips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-5 @ 10`	01/24/2005 13:50	Soil	9
B-5 @ 27`	01/24/2005 14:30	Soil	10

Total Lead

SECOR-Sacramento

Attn.: Clint Harms

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Phillips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Prep(s): 3050B

Test(s): 6010B

Sample ID: **B-5 @ 10`**

Lab ID: 2005-01-0743 - 9

Sampled: 01/24/2005 13:50

Extracted: 1/28/2005 11:52

Matrix: Soil

QC Batch#: 2005/01/28-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/Kg	1.00	01/31/2005 11:12	

Total Lead

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Project: Conoco Philips Site # 2611122

Received: 01/26/2005 15:00
Site: 3101 98th Avenue, Oakland, CA

Prep(s): 3050B
Sample ID: B-5 @ 27'
Sampled: 01/24/2005 14:30
Matrix: Soil

Test(s): 6010B
Lab ID: 2005-01-0743 - 10
Extracted: 1/28/2005 11:52
QC Batch#: 2005/01/28-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	ND	1.0	mg/Kg	1.00	01/31/2005 11:15	

Total Lead

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Project: Conoco Phillips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Batch QC Report

Prep(s): 3050B
Method Blank
MB: 2005/01/28-05.15-025

Soil

Test(s): 6010B
QC Batch # 2005/01/28-05.15
Date Extracted: 01/28/2005 11:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	01/31/2005 10:19	

Total Lead

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Project: Conoco Phillips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike | **Soil** | **QC Batch # 2005/01/28-05.15**

LCS 2005/01/28-05.15-026 Extracted: 01/28/2005 Analyzed: 01/31/2005 10:24

LCSD 2005/01/28-05.15-027 Extracted: 01/28/2005 Analyzed: 01/31/2005 10:28

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Lead	104	105	100.0	104.0	105.0	1.0	80-120	20		

SEVERN TRENT STL

Submission: 2005-01-0743

Oil & Grease (Total) by EPA 1664A

SECOR-Sacramento
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Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Philips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-5 @ 10`	01/24/2005 13:50	Soil	9
B-5 @ 27`	01/24/2005 14:30	Soil	10

Oil & Grease (Total) by EPA 1664A

SECOR-Sacramento
Attn.: Clint Harms

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Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Phillips Site # 2611122

Received: 01/26/2005 15:00
Site: 3101 98th Avenue, Oakland, CA

Prep(s): 1664A
Sample ID: B-5 @ 10'
Sampled: 01/24/2005 13:50
Matrix: Soil

Test(s): 1664A
Lab ID: 2005-01-0743 - 9
Extracted: 2/1/2005 00:00
QC Batch#: 2005/02/01-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	02/02/2005	

Oil & Grease (Total) by EPA 1664A

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Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Philips Site # 2611122

Received: 01/26/2005 15:00
Site: 3101 98th Avenue, Oakland, CA

Prep(s): 1664A
Sample ID: B-5 @ 27'
Sampled: 01/24/2005 14:30
Matrix: Soil

Test(s): 1664A
Lab ID: 2005-01-0743 - 10
Extracted: 2/1/2005 00:00
QC Batch#: 2005/02/01-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	02/02/2005	

Oil & Grease (Total) by EPA 1664A

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Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Philips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Batch QC Report

Prep(s): 1664A
Method Blank
MB: 2005/02/01-02.23-001

Soil

Test(s): 1664A
QC Batch # 2005/02/01-02.23
Date Extracted: 02/01/2005

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	02/02/2005	

Oil & Grease (Total) by EPA 1664A

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Project: Conoco Philips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Batch QC Report

Prep(s): 1664A

Test(s): 1664A

Laboratory Control Spike | **Soil** | **QC Batch # 2005/02/01-02.23**

LCS 2005/02/01-02.23-002 Extracted: 02/01/2005 Analyzed: 02/01/2005

LCSD 2005/02/01-02.23-003 Extracted: 02/01/2005 Analyzed: 02/01/2005

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Oil & Grease (total)	771	754	800	96.4	94.3	2.2	79-114	18		

SEVERN TRENT STL

Submission: 2005-01-0743

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento
Attn.: Clint Harms

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Phillips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-1 @ 20`	01/24/2005 10:58	Soil	1
B1- @ 24`	01/24/2005 11:07	Soil	2
B-2 @ 15`	01/24/2005 09:30	Soil	3
B-2 @ 24`	01/24/2005 09:55	Soil	4
B-3 @ 20`	01/24/2005 15:30	Soil	5
B-3 @ 24`	01/24/2005 15:37	Soil	6
B-4 @ 15`	01/24/2005 12:05	Soil	7
B-4 @ 24`	01/24/2005 12:30	Soil	8

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento
Attn.: Clint Harms

3017 Kilgore Road, Suite 100
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Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Phillips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Prep(s): 5030B
Sample ID: **B-1 @ 20'**
Sampled: 01/24/2005 10:58
Matrix: Soil

Test(s): 8260B
Lab ID: 2005-01-0743 - 1
Extracted: 2/3/2005 20:29
QC Batch#: 2005/02/03-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	1.0	1.0	mg/Kg	1.00	02/03/2005 20:29	
Benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 20:29	
Toluene	ND	0.0050	mg/Kg	1.00	02/03/2005 20:29	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 20:29	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/03/2005 20:29	
tert-Butyl alcohol (TBA)	0.051	0.010	mg/Kg	1.00	02/03/2005 20:29	
Methyl tert-butyl ether (MTBE)	0.020	0.0050	mg/Kg	1.00	02/03/2005 20:29	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/03/2005 20:29	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/03/2005 20:29	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/03/2005 20:29	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/03/2005 20:29	
EDB	ND	0.0050	mg/Kg	1.00	02/03/2005 20:29	
Ethanol	ND	0.1	mg/Kg	1.00	02/03/2005 20:29	
Surrogate(s)						
1,2-Dichloroethane-d4	105.3	72-124	%	1.00	02/03/2005 20:29	
Toluene-d8	95.0	75-116	%	1.00	02/03/2005 20:29	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: Conoco Phillips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Prep(s): 5030B
Sample ID: **B1- @ 24'**
Sampled: 01/24/2005 11:07
Matrix: Soil

Test(s): 8260B
Lab ID: 2005-01-0743 - 2
Extracted: 2/3/2005 21:36
QC Batch#: 2005/02/03-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	02/03/2005 21:36	
Benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 21:36	
Toluene	ND	0.0050	mg/Kg	1.00	02/03/2005 21:36	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 21:36	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/03/2005 21:36	
tert-Butyl alcohol (TBA)	0.053	0.010	mg/Kg	1.00	02/03/2005 21:36	
Methyl tert-butyl ether (MTBE)	0.012	0.0050	mg/Kg	1.00	02/03/2005 21:36	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/03/2005 21:36	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/03/2005 21:36	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/03/2005 21:36	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/03/2005 21:36	
EDB	ND	0.0050	mg/Kg	1.00	02/03/2005 21:36	
Ethanol	ND	0.1	mg/Kg	1.00	02/03/2005 21:36	
Surrogate(s)						
1,2-Dichloroethane-d4	102.7	72-124	%	1.00	02/03/2005 21:36	
Toluene-d8	95.9	75-116	%	1.00	02/03/2005 21:36	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: Conoco Phillips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Prep(s): 5030B
Sample ID: **B-2 @ 15'**
Sampled: 01/24/2005 09:30
Matrix: Soil

Test(s): 8260B
Lab ID: 2005-01-0743 - 3
Extracted: 2/3/2005 21:59
QC Batch#: 2005/02/03-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	4.7	1.0	mg/Kg	1.00	02/03/2005 21:59	
Benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 21:59	
Toluene	ND	0.0050	mg/Kg	1.00	02/03/2005 21:59	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 21:59	
Total xylenes	0.0084	0.0050	mg/Kg	1.00	02/03/2005 21:59	
tert-Butyl alcohol (TBA)	0.063	0.010	mg/Kg	1.00	02/03/2005 21:59	
Methyl tert-butyl ether (MTBE)	0.027	0.0050	mg/Kg	1.00	02/03/2005 21:59	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/03/2005 21:59	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/03/2005 21:59	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/03/2005 21:59	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/03/2005 21:59	
EDB	ND	0.0050	mg/Kg	1.00	02/03/2005 21:59	
Ethanol	ND	0.1	mg/Kg	1.00	02/03/2005 21:59	
Surrogate(s)						
1,2-Dichloroethane-d4	108.4	72-124	%	1.00	02/03/2005 21:59	
Toluene-d8	89.0	75-116	%	1.00	02/03/2005 21:59	

Gas/BTEX Fuel Oxygenates by 8260B

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Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Phillips Site # 2611122

Received: 01/26/2005 15:00
Site: 3101 98th Avenue, Oakland, CA

Prep(s): 5030B
Sample ID: B-2 @ 24'
Sampled: 01/24/2005 09:55
Matrix: Soil

Test(s): 8260B
Lab ID: 2005-01-0743 - 4
Extracted: 2/3/2005 22:21
QC Batch#: 2005/02/03-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	02/03/2005 22:21	
Benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 22:21	
Toluene	ND	0.0050	mg/Kg	1.00	02/03/2005 22:21	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 22:21	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/03/2005 22:21	
tert-Butyl alcohol (TBA)	0.069	0.010	mg/Kg	1.00	02/03/2005 22:21	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/03/2005 22:21	
Di-Isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/03/2005 22:21	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/03/2005 22:21	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/03/2005 22:21	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/03/2005 22:21	
EDB	ND	0.0050	mg/Kg	1.00	02/03/2005 22:21	
Ethanol	ND	0.1	mg/Kg	1.00	02/03/2005 22:21	
Surrogate(s)						
1,2-Dichloroethane-d4	102.7	72-124	%	1.00	02/03/2005 22:21	
Toluene-d8	96.2	75-116	%	1.00	02/03/2005 22:21	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: Conoco Philips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Prep(s): 5030B
Sample ID: **B-3 @ 20'**
Sampled: 01/24/2005 15:30
Matrix: Soil

Test(s): 8260B
Lab ID: 2005-01-0743 - 5
Extracted: 2/3/2005 22:44
QC Batch#: 2005/02/03-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	1.1	1.0	mg/Kg	1.00	02/03/2005 22:44	
Benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 22:44	
Toluene	ND	0.0050	mg/Kg	1.00	02/03/2005 22:44	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 22:44	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/03/2005 22:44	
tert-Butyl alcohol (TBA)	0.026	0.010	mg/Kg	1.00	02/03/2005 22:44	
Methyl tert-butyl ether (MTBE)	0.011	0.0050	mg/Kg	1.00	02/03/2005 22:44	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/03/2005 22:44	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/03/2005 22:44	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/03/2005 22:44	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/03/2005 22:44	
EDB	ND	0.0050	mg/Kg	1.00	02/03/2005 22:44	
Ethanol	ND	0.1	mg/Kg	1.00	02/03/2005 22:44	
Surrogate(s)						
1,2-Dichloroethane-d4	106.6	72-124	%	1.00	02/03/2005 22:44	
Toluene-d8	95.7	75-116	%	1.00	02/03/2005 22:44	

Gas/BTEX Fuel Oxygenates by 8260B

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Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Phillips Site # 2611122

Received: 01/26/2005 15:00
Site: 3101 98th Avenue, Oakland, CA

Prep(s): 5030B
Sample ID: **B-3 @ 24'**
Sampled: 01/24/2005 15:37
Matrix: Soil

Test(s): 8260B
Lab ID: 2005-01-0743 - 6
Extracted: 2/3/2005 23:06
QC Batch#: 2005/02/03-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	02/03/2005 23:06	
Benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 23:06	
Toluene	ND	0.0050	mg/Kg	1.00	02/03/2005 23:06	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 23:06	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/03/2005 23:06	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/03/2005 23:06	
Methyl tert-butyl ether (MTBE)	0.0073	0.0050	mg/Kg	1.00	02/03/2005 23:06	
Di-Isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/03/2005 23:06	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/03/2005 23:06	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/03/2005 23:06	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/03/2005 23:06	
EDB	ND	0.0050	mg/Kg	1.00	02/03/2005 23:06	
Ethanol	ND	0.1	mg/Kg	1.00	02/03/2005 23:06	
Surrogate(s)						
1,2-Dichloroethane-d4	100.5	72-124	%	1.00	02/03/2005 23:06	
Toluene-d8	98.7	75-116	%	1.00	02/03/2005 23:06	

Gas/BTEX Fuel Oxygenates by 8260B

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Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Phillips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Prep(s): 5030B
Sample ID: B-4 @ 15'
Sampled: 01/24/2005 12:05
Matrix: Soil

Test(s): 8260B
Lab ID: 2005-01-0743 - 7
Extracted: 2/3/2005 23:29
QC Batch#: 2005/02/03-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	02/03/2005 23:29	
Benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 23:29	
Toluene	ND	0.0050	mg/Kg	1.00	02/03/2005 23:29	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 23:29	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/03/2005 23:29	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/03/2005 23:29	
Methyl tert-butyl ether (MTBE)	0.014	0.0050	mg/Kg	1.00	02/03/2005 23:29	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/03/2005 23:29	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/03/2005 23:29	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/03/2005 23:29	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/03/2005 23:29	
EDB	ND	0.0050	mg/Kg	1.00	02/03/2005 23:29	
Ethanol	ND	0.1	mg/Kg	1.00	02/03/2005 23:29	
Surrogate(s)						
1,2-Dichloroethane-d4	105.8	72-124	%	1.00	02/03/2005 23:29	
Toluene-d8	98.0	75-116	%	1.00	02/03/2005 23:29	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento
Attn.: Clint Harms

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Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Phillips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Prep(s): 5030B
Sample ID: **B-4 @ 24'**
Sampled: 01/24/2005 12:30
Matrix: Soil

Test(s): 8260B
Lab ID: 2005-01-0743 - 8
Extracted: 2/3/2005 23:51
QC Batch#: 2005/02/03-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	02/03/2005 23:51	
Benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 23:51	
Toluene	ND	0.0050	mg/Kg	1.00	02/03/2005 23:51	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/03/2005 23:51	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/03/2005 23:51	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/03/2005 23:51	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/03/2005 23:51	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/03/2005 23:51	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/03/2005 23:51	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/03/2005 23:51	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/03/2005 23:51	
EDB	ND	0.0050	mg/Kg	1.00	02/03/2005 23:51	
Ethanol	ND	0.1	mg/Kg	1.00	02/03/2005 23:51	
Surrogate(s)						
1,2-Dichloroethane-d4	102.0	72-124	%	1.00	02/03/2005 23:51	
Toluene-d8	98.3	75-116	%	1.00	02/03/2005 23:51	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento
Attn.: Clint Harms

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Phillips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — Soil — **QC Batch # 2005/02/03-2A.66**

MB: 2005/02/03-2A.66-058 — Date Extracted: 02/03/2005 19:58

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	02/03/2005 19:58	
Methyl tert-butyl ether (MTBE)	ND	0.005	mg/Kg	02/03/2005 19:58	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	02/03/2005 19:58	
Ethyl tert-butyl ether (ETBE)	ND	0.005	mg/Kg	02/03/2005 19:58	
tert-Amyl methyl ether (TAME)	ND	0.005	mg/Kg	02/03/2005 19:58	
1,2-DCA	ND	0.005	mg/Kg	02/03/2005 19:58	
EDB	ND	0.005	mg/Kg	02/03/2005 19:58	
Benzene	ND	0.005	mg/Kg	02/03/2005 19:58	
Toluene	ND	0.005	mg/Kg	02/03/2005 19:58	
Ethyl benzene	ND	0.005	mg/Kg	02/03/2005 19:58	
Total xylenes	ND	0.005	mg/Kg	02/03/2005 19:58	
Ethanol	ND	0.100	mg/Kg	02/03/2005 19:58	
Surrogates(s)					
1,2-Dichloroethane-d4	102.8	72-124	%	02/03/2005 19:58	
Toluene-d8	97.8	75-116	%	02/03/2005 19:58	
GRO (C6-C12)	ND	1	mg/Kg	02/03/2005 19:58	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento
Attn.: Clint Harms

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Philips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Soil** **QC Batch # 2005/02/03-2A.66**

LCS 2005/02/03-2A.66-006 Extracted: 02/03/2005 Analyzed: 02/03/2005 19:06

LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0386		0.05	77.2			65-165	20		
Benzene	0.0361		0.05	72.2			69-129	20		
Toluene	0.0441		0.05	88.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	483		500	96.6			72-124			
Toluene-d8	474		500	94.8			75-116			

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento
Attn.: Clint Harms

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Philips Site # 2611122

Received: 01/26/2005 15:00

Site: 3101 98th Avenue, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2005/02/03-2A.66**

B-1 @ 20` >> MS

Lab ID: 2005-01-0743 - 001

MS: 2005/02/03-2A.66-051 Extracted: 02/03/2005 Analyzed: 02/03/2005 20:51

Dilution: 1.00

MSD: 2005/02/03-2A.66-014 Extracted: 02/03/2005 Analyzed: 02/03/2005 21:14

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0571	0.0634	0.0202	0.05	73.8	86.4	15.7	65-165	20		
Benzene	0.0391	0.0431	ND	0.05	78.2	86.2	9.7	69-129	20		
Toluene	0.0472	0.0528	ND	0.05	94.4	105.6	11.2	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	479	489		500	95.8	97.8		72-124			
Toluene-d8	482	480		500	96.4	96.0		75-116			

ConocoPhillips Chain Of Custody Record

97763

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

2005-01-0743

CONOCOPHILLIPS
Attn: Andrew Stow
600 N. Dairy Ashford
Houston, TX 77252-2197

ConocoPhillips Work Order Number

ConocoPhillips Cost Center

DUE DILIGENCE WORK

DATE: 1/25/05

PAGE: 1 of 1

SAMPLING COMPANY: SECOR INTERNATIONAL	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: 2611122	GLOBAL ID NO.:
ADDRESS: 3017 KILGORE ROAD #100, RANCHO CORDOVA, CA 95670		SITE ADDRESS (Street and City): 3101 98th Avenue,Oakland, CA	CONOCOPHILLIPS SITE MANAGER: Andrew Stow
PROJECT CONTACT (Hardcopy or PDF Report to): CLINTON HARMS		EDF DELIVERABLE TO (RP or Designee):	PHONE NO.: / EMAIL: / P.O. NO.: QUOTE:
TELEPHONE: 916-861-0400 / FAX: 916-861-0430	E-MAIL: CHARMS@SECOR.COM		
SAMPLER NAME(S) (Print): Richard Peltier	CONSULTANT PROJECT NUMBER		

TURNAROUND TIME (CALENDAR DAYS):
☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☐

REQUESTED ANALYSES

FIELD NOTES: Combined Hydrocarbon or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C°: 2

* Field Point name only required if different from Sample ID

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MBE	Lead ☒Total ☐STLC ☐TCLP	418.1 Total Oil and Grease
	B-1 @ 20'	1/24/05	1058	Soil	1			X						
	B-1 @ 24'		1107	Soil	1			X						
	B-2 @ 15'		0930	Soil	1			X						
	B-2 @ 24'		0955	Soil	1			X						
	B-3 @ 20'		1530	Soil	1			X						
	B-3 @ 24'		1537	Soil	1			X						
	B-4 @ 15'		1205	Soil	1			X						
	B-4 @ 24'		1230	Soil	1			X						
	B-5 @ 10'		1350	Soil	1								X	X
	B-5 @ 27'	↓	1430	Soil	1								X	X

Relinquished by: (Signature) Richard Peltier	Received by: (Signature)	Date: 1/25/05	Time: 1440
Relinquished by: (Signature)	Received by: (Signature)	Date: 012605	Time: 1315
Relinquished by: (Signature)	Received by: (Signature)	Date: 012605	Time: 1500