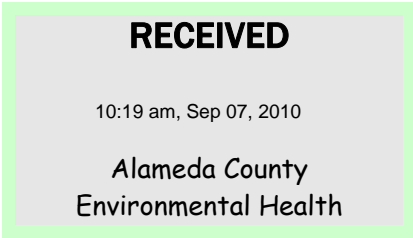




March 8, 2005

TRC Project No. 420187-01

ConocoPhillips  
P.O. Box 2197  
Houston, TX 77079-1175



ATTN: WILLIAM E. RODGERS, JR.  
  
SITE: 76 SERVICE STATION No. 3072  
2445 CASTRO VALLEY BLVD  
CASTRO VALLEY, CALIFORNIA  
  
RE: BASELINE SITE ASSESSMENT REPORT

Dear Mr. Rodgers:

On behalf of ConocoPhillips Company, TRC submits this Baseline Site Assessment Report summarizing sampling activities at the site referenced above. The contents of this report include:

- Section 1 Summary Data
- Section 2 Figures
- Section 3 Tables
- Section 4 General Field Procedures and Boring Logs
- Section 5 Official Laboratory Reports

If you have any questions regarding this report, please call Keith Woodburne with TRC at (925) 688-2488.

Sincerely,

TRC

Rachelle Dunn  
Staff Geologist

Keith Woodburne, R.G.  
Senior Project Geologist



cc: Thomas Kosel (electronic copy)  
Bob Turrietta (3 copies)

## SECTION 1

## SUMMARY DATA

<b>SITE INFORMATION</b>	
<b>76 Service Station No. 3072</b> <b>2445 Castro Valley Blvd.</b> <b>Castro Valley, California</b>	TRC Project Number: 42018701
<b>SCOPE OF WORK</b>	
Advance 6 direct-push borings to assess the presence of hydrocarbon-affected soil and groundwater beneath the site. Collect grab groundwater samples from all soil borings.	Environmental Consultant: TRC Drilling Contractor and Rig: Woodward Drilling / Power Probe
<b>SITE OVERVIEW</b>	
Active service station with two 10,000-gallon gasoline USTs, one 10,000-gallon diesel UST, and one 550-gallon waste-oil UST, and three dispenser islands.	Groundwater was encountered at depths ranging from 15.0 to 49 fbg in 5 borings on January 24, 25, and 31, 2005.
<b>FIELD ACTIVITIES</b>	
USA Notification: January 18, 2005 Borings Drilled on: January 24, 25, and 31, 2005	Total Soil Samples Analyzed: 10 Grab Groundwater Samples Analyzed: 4
Boring Depths and Identifications: 25.5 fbg: Direct Push Boring SB-1 24.0 fbg: Direct Push Boring SB-2 18.0 fbg: Direct Push Boring SB-3 50.0 fbg: Direct Push Boring SB-4 23.0 fbg: Direct Push Boring SB-5 50.0 fbg: Direct Push Boring SB-6	Soil and groundwater sampling activities were conducted in accordance with the field procedures detailed in Section 4. All field activities performed under the purview of a registered professional.  The dates of sample collection are documented on the Chain of Custody records included in Section 5.
<b>LABORATORY ANALYSIS</b>	
Soil and groundwater samples were submitted to a state-certified laboratory for the analyses listed below.	
<u>Gasoline USTs and Dispensers:</u>	
<ul style="list-style-type: none"> <li>• TPPH using EPA Method 8260B.</li> <li>• BTEX, Oxygenates, and ethanol using EPA Method 8260B.</li> </ul>	
<u>Diesel UST and Diesel Dispenser:</u>	
<ul style="list-style-type: none"> <li>• TPH-D using EPA Method 8015.</li> </ul>	
<u>Waste Oil UST:</u>	
<ul style="list-style-type: none"> <li>• Oil and Grease (O&amp;G) using EPA Method 1664.</li> <li>• Total lead using EPA Method 6010.</li> </ul>	
<b>FINDINGS</b>	
<u>Lithology and Depth to Groundwater</u>	
Lithologies encountered beneath the site consist of mostly hard dry fine-grained sand and a minimal amount of silt and clay to the maximum depth investigated of 50.0 fbg. Groundwater was encountered at depths ranging from 15.0 to 49 fbg in 6 borings on January 24, 25, and 31, 2005.	
<u>Soil Results</u>	
The laboratory results for TPH-D, TPPH, BTEX, oxygenates, fuel additives, ethanol, total lead and O&G are listed in Section 3. Benzene, toluene, DIPE, ETBE, TAME, 1,2-DCA, EDB and ethanol were not detected in the eight soil samples analyzed from five borings adjacent to the gasoline USTs and dispensers. TPPH was detected in two soil samples at a maximum concentration of 480 mg/kg (SB-1 @ 8'). Ethylbenzene was detected in two soil samples at a maximum concentration of 1.1 mg/kg (SB-1 @ 8'). Total xylenes was detected in three soil samples at a maximum concentration of 1.1 mg/kg (SB-1 @ 8'). TBA was detected in two soil samples at a maximum concentration of 0.014 mg/kg (SB-2 @ 12'). MTBE was detected in two soil samples at a maximum concentration of 0.11 mg/kg (SB-3 @ 18'). O&G were detected in one of the two soil samples analyzed at a maximum concentration of 670 mg/kg (SB-6 @ 10'). Total lead was detected in both soil samples at a maximum concentration of 4.7 mg/kg (SB-6 @ 50').	

## SUMMARY DATA

### FINDINGS (CONT'D.)

TPH-D was detected in two of the three soil samples analyzed from three borings at a maximum of 25 mg/kg (SB-4 @ 8').

#### Groundwater Results

TPPH, benzene, toluene, TBA, DIPE, ETBE, TAME, 1,2-DCA, EDB and ethanol were not detected in the four grab groundwater samples. Ethylbenzene was detected in one of the four grab groundwater samples at a concentration of 0.77 µg/L (SB-1). Total xylenes was detected in one of the four grab groundwater samples at a concentration of 1.2 µg/L (SB-2). MTBE was detected in three of the four grab groundwater samples at a maximum concentration of 87 µg/L (SB-1).

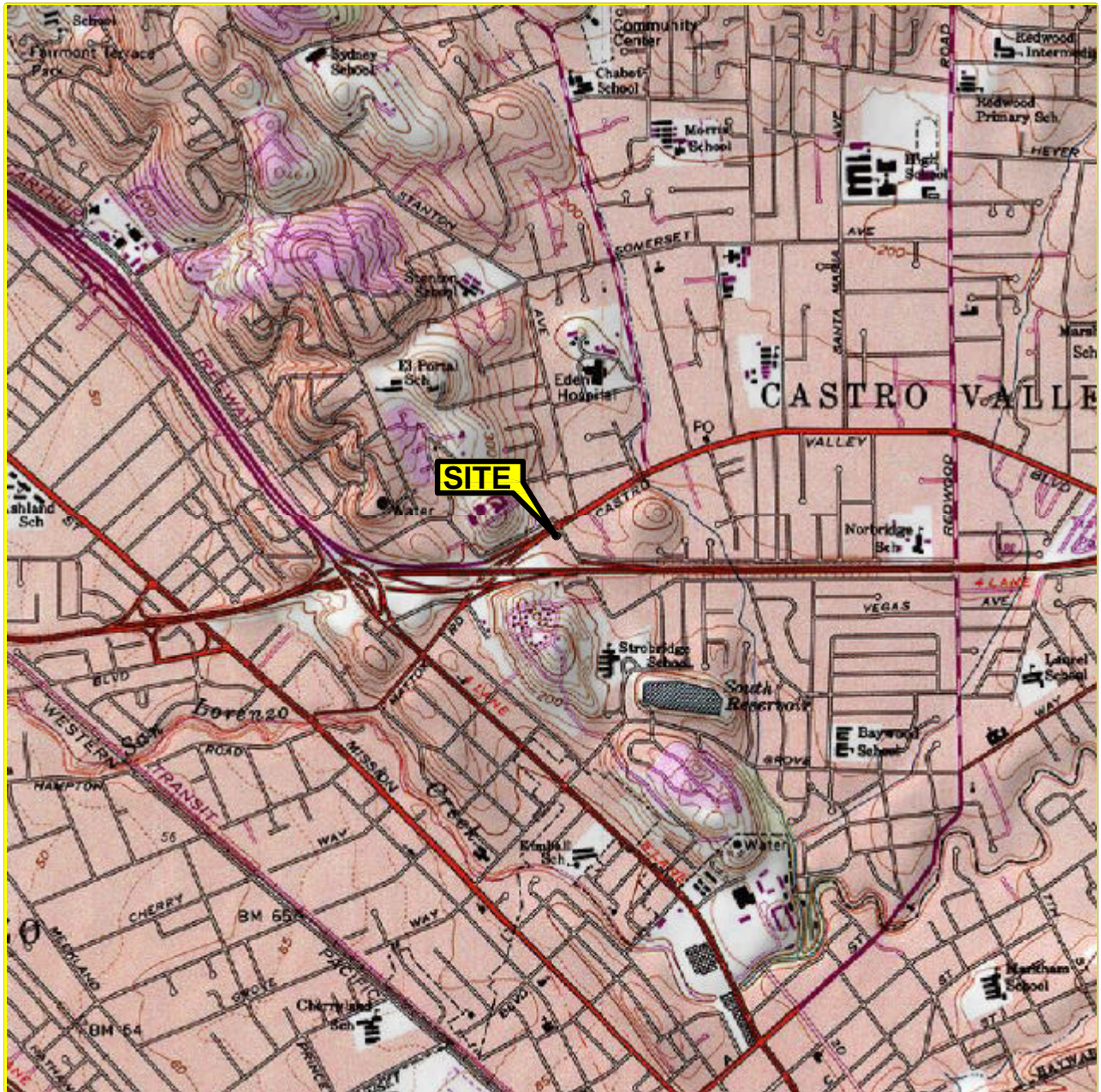
### LIST OF ABBREVIATIONS

BAAQMD = Bay Area Air Quality Management District	MTBE = methyl tertiary butyl ether
BTEX = benzene, toluene, ethyl benzene and total xylenes	TAME = tertiary amyl methyl ether
TPPH = total purgeable petroleum hydrocarbons	TPH-D = total petroleum hydrocarbons as diesel
O&G = oil and grease (petroleum)	NA = not applicable
VOC = volatile organic compound	ND = not detected at laboratory detection limits indicated in official laboratory report
PCB = polychlorinated biphenyl	fbg = feet below grade
HSA = Hollow stem auger	gw = groundwater
TBA = tertiary butyl alcohol	gal = gallon
1,2-DCA = 1,2-dichloroethane	max = maximum
DIPE = di-isopropyl ether	mg/kg = milligrams per kilogram
EDB = ethylene dibromide	UST = Underground storage tank
ETBE = ethyl tertiary butyl ether	

### STATEMENT OF LIMITATIONS

The activities summarized in this report have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The findings and conclusions are based solely upon an analysis of observed conditions. If actual conditions differ from those described in this report, our office should be notified.

## SECTION 2



1 MILE 3/4 1/2 1/4 0 1 MILE



SCALE 1 : 24,000



**SOURCE:**

United States Geological Survey  
7.5 Minute Topographic Maps:  
Hayward Quadrangle  
California



**VICINITY MAP**

76 Service Station #3072  
2445 Castro Valley Boulevard  
Castro Valley, California

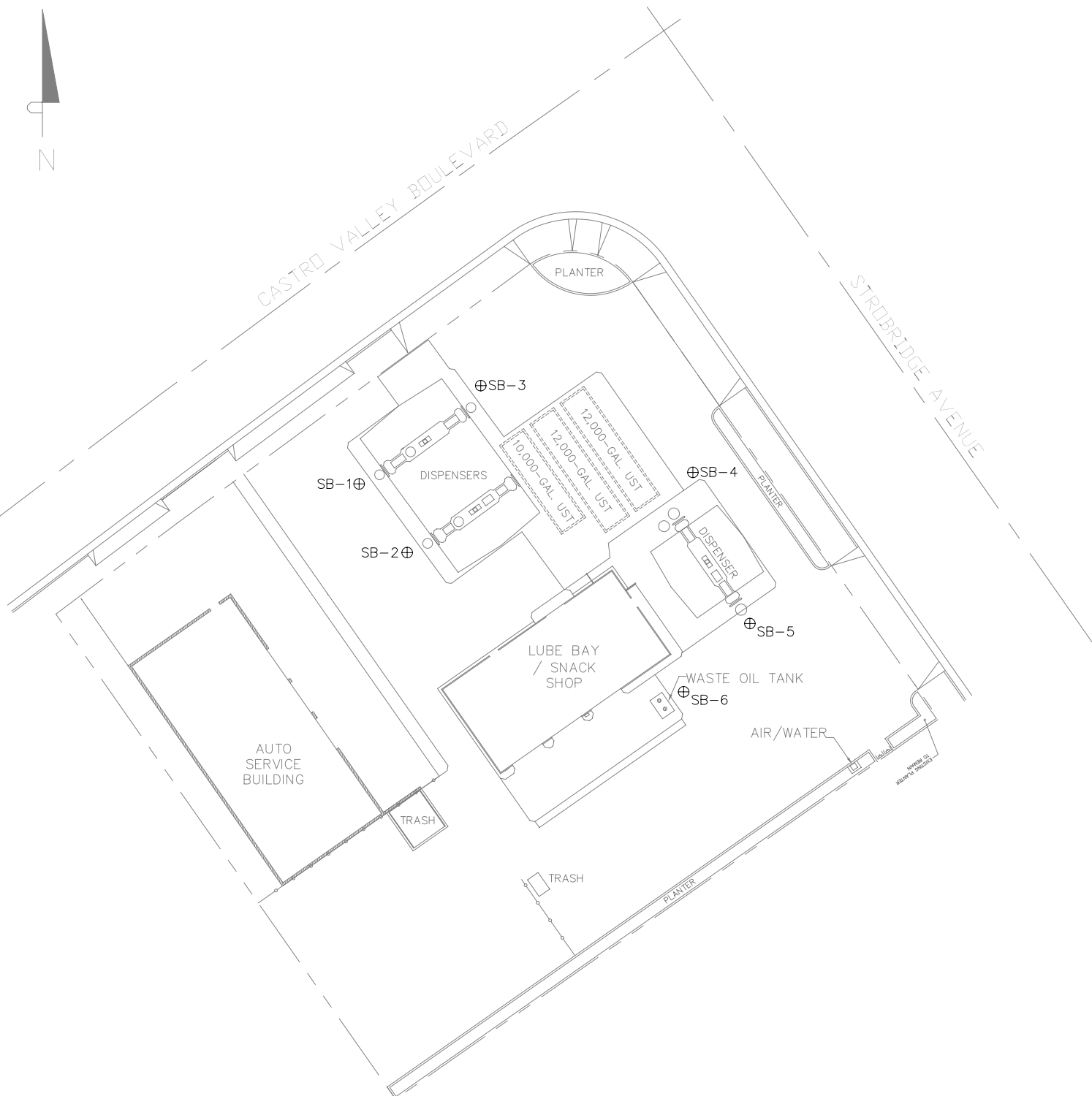


**FIGURE 1**

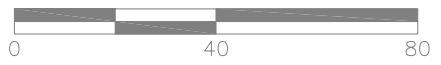


CASTRO VALLEY BOULEVARD

STROBRIDGE AVENUE



APPROXIMATE SCALE (FEET)



LEGEND

- Property Boundary
- o-o-o-o- Fence
- ⊕ SB-4 Soil Boring

**SITE PLAN**

76 Service Station #3072  
2445 Castro Valley Boulevard  
Castro Valley, California

SOURCE: Client-provided site plan prepared by A&S Engineering, October 1997.



**FIGURE 2**

## SECTION 3



Table 1

**RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES**  
**76 Station # 3072**  
**2445 Castro Valley Blvd, Castro Valley, California**

Sample Number	Sample Date	Depth (fbg)	TPH-D	TPPH	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TBA	MTBE	DIPE	ETBE	TAME	1, 2-DCA	EDB	Ethanol	Total Lead	Oil & Grease
			(mg/kg) EPA 8015	(mg/kg) EPA 8260B	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SB-1 @ 8'	1/24/2005	8.0	--	<b>480</b>	<0.50	<0.50	<b>1.1</b>	<b>1.1</b>	<2.5	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<25	--	--
SB-1 @ 25.5'	1/24/2005	25.5	--	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<b>0.013</b>	<b>0.074</b>	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	--	--
SB-2 @ 12'	1/24/2005	12.0	--	<1.0	<0.0050	<0.0050	<b>0.043</b>	<b>0.021</b>	<b>0.014</b>	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	--	--
SB-2 @ 24'	1/24/2005	24.0	--	<1.0	<0.0050	<0.0050	<0.0050	<b>0.011</b>	<0.010	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	--	--
SB-3 @ 18'	1/25/2005	18.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<b>0.11</b>	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	--	--
SB-4 @ 8'	1/25/2005	8.0	<b>25</b>	<b>470</b>	<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<25	--	--
SB-4 @ 50'	1/25/2005	50.0	--	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	--	--
SB-5 @ 23'	1/31/2005	23.0	<b>2.1</b>	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	--	--
SB-6 @ 10'	1/31/2005	10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<b>3.4</b>	<b>670</b>
SB-6 @ 50'	1/31/2005	50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<b>4.7</b>	<50
Composite	1/25/2005	na	<b>5.0</b>	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	<b>7.5</b>	

Notes:

TPH-D	= total petroleum hydrocarbon as diesel	1,2 DCA	= 1,2-dichloroethane
TPPH	= total purgeable petroleum hydrocarbons	EDB	= ethylene dibromide
TBA	= tertiary butyl alcohol	fbg	= feet below grade
MTBE	= methyl tertiary butyl ether	mg/kg	= milligrams per kilogram
DIPE	= di-isopropyl ether	--	= not analyzed, measured, or collected
ETBE	= ethyl tertiary butyl ether	na	= not applicable
TAME	= tertiary amyl methyl ether		

Table 2

RESULTS OF LABORATORY ANALYSIS OF GROUNDWATER SAMPLES  
 76 Station # 3072  
 2445 Castro Valley Blvd, Castro Valley, California

Sample Number	Sample Date	Depth (fbg)	TPH-D	TPPH	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TBA	MTBE	DIPE	ETBE	TAME	1, 2-DCA	EDB	Ethanol	
			(µg/L) EPA 8015	(µg/L) EPA 8260B													EPA Method 8260B
SB-1	1/24/2005	na	--	<50	<0.50	<0.50	<b>0.77</b>	<1.0	<5.0	<b>87</b>	<0.50	<0.50	<0.50	<0.50	<0.50	<50	
SB-2	1/24/2005	na	--	<50	<0.50	<0.50	<0.50	<b>1.2</b>	<5.0	<b>0.68</b>	<0.50	<0.50	<0.50	<0.50	<0.50	<50	
SB-3	1/25/2005	na	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<b>5.1</b>	<0.50	<0.50	<0.50	<0.50	<0.50	<50	
SB-4	1/25/2005	na	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	
Notes:	TPH-D	=	total petroleum hydrocarbon as diesel					1,2 DCA	=	1,2-dichloroethane							
	TPPH	=	total purgeable petroleum hydrocarbons					EDB	=	ethylene dibromide							
	TBA	=	tertiary butyl alcohol					fbg	=	feet below grade							
	MTBE	=	methyl tertiary butyl ether					µg/L	=	micrograms per liter							
	DIPE	=	di-isopropyl ether					--	=	not analyzed, measured, or collected							
	ETBE	=	ethyl tertiary butyl ether					na	=	not applicable							
	TAME	=	tertiary amyl methyl ether														

## SECTION 4

## **GENERAL FIELD PROCEDURES**

The following is a description of general field procedures used during drilling, groundwater and soil sampling activities.

### **GEOPROBE SOIL SAMPLING**

Soil sampling points are driven into the soil using hydraulically actuated "direct-push" and percussion equipment. The soil sampling points consist of 1.5-inch-diameter hollow steel rods fitted with a reverse-threaded or sliding hardened drive point. Borings will be grouted to ground surface with a cement/bentonite slurry

Soil samples are obtained for soil description, field hydrocarbon vapor screening, and possible laboratory analysis. Soil samples are retrieved from the borings using a 3-foot-long, 2-inch diameter continuous-core split-barrel sampler lined with six 1.5-inch-diameter stainless steel/brass sample tubes or a 4-foot-long acetate liner.

During drilling activities, soil adjacent to the laboratory sample is screened for combustible vapors using a combustible gas indicator (CGI) or equivalent field instrument. For each hydrocarbon vapor screening event, a stainless steel tube is filled approximately 1/3 full with the soil sample, capped at both ends, and shaken. The probe is then inserted through a small opening in the cap, and a reading is taken after approximately 15 seconds and recorded on the boring log. The remaining soil recovered is removed from the sample insert or sampler, and described in accordance with the Unified Soil Classification System. For each sampling interval, field estimates of soil type, density/consistency, moisture, color, and grading are recorded on the boring logs.

### **SOIL SAMPLE HANDLING**

Upon retrieval, soil samples are immediately removed from the sampler, sealed with Teflon sheeting and polyurethane caps, and wrapped with tape. Each sample is labeled with the project number, boring/well number, sample depth, geologist's initials, and date of collection. After the samples have been labeled and documented in the chain of custody record, they are placed in a cooler with ice at approximately 4 degrees Celsius (°C) prior to and during transport to a state-certified laboratory for analysis. Samples not selected for immediate analysis may be transported in a cooler with ice and archived in a frostless refrigerator at approximately 4°C for possible future testing.

### **HYDROPUNCH SAMPLING**

A grab groundwater sample is collected using a Hydropunch® sampling device. The Hydropunch® consists of a stainless steel probe, which is advanced into the water-yielding zone then withdrawn to expose an internal screen. A decontaminated stainless steel bailer is inserted

down the center of the well screen to obtain a "grab-type" groundwater sample for analysis. The boring is grouted to ground surface with cement/bentonite slurry.

#### CHAIN OF CUSTODY PROTOCOL

Chain of custody protocol is followed for all soil selected for laboratory analysis. The chain of custody forms(s) accompanies the samples from the sampling locality to the laboratory, providing a continuous record of possession prior to analysis.

#### DECONTAMINATION

Drilling equipment is decontaminated by steam cleaning before being brought onsite. The augers are also steam cleaned before each new boring is commenced. Prior to use, the sampler and sampling tubes are brush-scrubbed in a Liqui-nox and potable water solution and rinsed twice in clean potable water. Sampling equipment and tubes are also decontaminated before each sample is collected to avoid cross-contamination between borings.

#### GROUNDWATER MONITORING AND SAMPLING ASSIGNMENTS

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

##### Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depths to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

##### Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

#### Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

#### Sequence of Gauging, Purging, and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least-affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected well to the most-affected well.

### Decontamination

In order to reduce the possibility of cross-contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

### Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

1/5/04 version

PROJECT NO.: 42-0187-01	DATE DRILLED: 1/24/05	NORTHING: NOT SURVEYED
LOCATION: 76 Station #3072	LOGGED BY: R. Dunn	EASTING: NOT SURVEYED
2445 Castro Valley Blvd.	APPROVED BY: K. Woodburne, RG	GROUND SURFACE ELEVATION: NOT SURVEYED
Castro Valley, California	DRILLING CO.: Woodward Drilling	

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 2-inch Diameter Direct-Push SAMPLER TYPE: 4-foot Continuous-Core Barrel TOTAL DEPTH: 25.5 feet DEPTH TO WATER: 23.5 feet	USCS	LITHOLOGY	BORING BACKFILL DETAIL
					DESCRIPTION			
				0	Vacuum clearance to 5'.			
34.0	3.0/ 3.0			5	SAND (SP): Gray (10YR 6/1), 10% fines, 90% fine- to medium-grained sand, dense, dry, hydrocarbon odor.  - @ 8': color change to grayish brown (10YR 5/2), slight odor.  - @ 12': color change to brown (10YR 4/3), no odor.	SP		0 5 10 15 20 25 30 35 40
5.0	4.0/ 4.0			10				
1.0	3.0/ 3.0			15	No recovery.			
1.2	2.0/ 2.0			20				
1.5	3.0/ 3.0			25	SAND (SP): same as above.  - @ 21.5': color change to dark gray (10YR 4/1).  - @ 24': color change to grayish brown (10YR 5/2), wet.	SP		
1.4	2.5/ 2.5			30				
				35				
				40				



**LOG OF EXPLORATORY BORING**



PROJECT NO.: 42-0187-01	DATE DRILLED: 1/24/05	NORTHING: NOT SURVEYED
LOCATION: 76 Station #3072	LOGGED BY: R. Dunn	EASTING: NOT SURVEYED
2445 Castro Valley Blvd.	APPROVED BY: K. Woodburne, RG	GROUND SURFACE ELEVATION: NOT SURVEYED
Castro Valley, California	DRILLING CO.: Woodward Drilling	

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 2-inch Diameter Direct-Push SAMPLER TYPE: 4-foot Continuous-Core Barrel TOTAL DEPTH: 24.0 feet DEPTH TO WATER: 23.0 feet		USCS	LITHOLOGY	BORING BACKFILL DETAIL
					DESCRIPTION				
				0	Vacuum clearance to 5'.				0
0.6	3.0/3.0			5	SAND (SP): Brown (10YR 4/3), 10% fines, 90% fine-grained sand, loose, dry.				5
7.1	4.0/4.0			10					10
2.8	3.0/3.0			15	- @ 15': fine- to medium-grained sand.				15
2.1	1.0/1.0			17.5	- @ 17.5': color change to dark grayish brown (10YR 4/2), dense.				17.5
2.0	1.5/1.5			20					20
1.9	2.0/2.0			23	SILTY CLAY (CL): Gray (10YR 5/1), 95% fines, 5% fine-grained sand, medium plasticity, soft, wet.		CL		23
2.1	1.5/1.5			25					25
1.6	3.0/3.0			30					30
				35					35
				40					40



**LOG OF EXPLORATORY BORING**

PROJECT NO.: 42-0187-01  
 LOCATION: 76 Station #3072  
 2445 Castro Valley Blvd.  
 Castro Valley, California

DATE DRILLED: 1/25/05  
 LOGGED BY: R. Dunn  
 APPROVED BY: K. Woodburne, RG  
 DRILLING CO.: Woodward Drilling




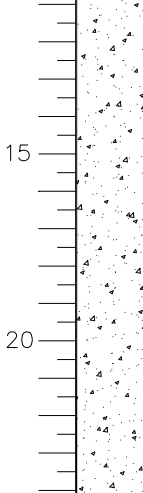
NORTHING: NOT SURVEYED  
 EASTING: NOT SURVEYED  
 GROUND SURFACE ELEVATION: NOT SURVEYED

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 2-inch Diameter Direct-Push SAMPLER TYPE: 4-foot Continuous-Core Barrel TOTAL DEPTH: 18.0 feet DEPTH TO WATER: 15.0 feet		USCS	LITHOLOGY	BORING BACKFILL DETAIL
					DESCRIPTION				
1.4	0.0/ 3.0	0.0/ 4.0	1.0/ 3.5	0	Vacuum clearance to 5'.				0
				5	No recovery.				
	2.5/ 2.5			15	PEA GRAVEL: wet. SAND (GW): Brown (10YR 4/3), 5% fines, 95% fine- to medium-grained sand, loose, wet.		GW		15
				20					20
				25					25
				30					30
				35					35
				40					40



**LOG OF EXPLORATORY BORING**

PROJECT NO.: 42-0187-01	DATE DRILLED: 1/25/05	NORTHING: NOT SURVEYED
LOCATION: 76 Station #3072	LOGGED BY: R. Dunn	EASTING: NOT SURVEYED
2445 Castro Valley Blvd.	APPROVED BY: K. Woodburne, RG	GROUND SURFACE ELEVATION: NOT SURVEYED
Castro Valley, California	DRILLING CO.: Woodward Drilling	

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 2-inch Diameter Direct-Push SAMPLER TYPE: 4-foot Continuous-Core Barrel TOTAL DEPTH: 50.0 feet DEPTH TO WATER: 49.0 feet	USCS	LITHOLOGY	BORING BACKFILL DETAIL
					DESCRIPTION			
				0	Vacuum clearance to 5'.			
44.0		3.0/ 3.0		5	SILTY CLAY (CL): Greenish gray (GLEYS 1 5/10Y), 90% fines, 10% fine-grained sand, medium plastic, soft, moist, hydrocarbon odor.  - @ 8.5': stiff.	CL		 Grout to Surface
1.3		4.0/ 4.0		10				
		2.0/ 4.0		15	SAND (SP): Grayish brown (10YR 5/2), 10% fines, 90% fine-grained sand, dense, no odor. - @ 13': color change to brown (10YR 5/3). - @ 13.5': color change to very dark gray (10YR 3/1).	SP		
1.7		3.0/ 3.0		20				
2.0		1.0/ 1.0		25				
0.9		3.0/ 3.0		30				
1.5		1.0/ 1.0		35				
2.0				40	Difficult drilling conditions; augers used; no samples collected.			



**LOG OF EXPLORATORY BORING**

PROJECT NO.: 42-0187-01	DATE DRILLED: 1/25/05	NORTHING: NOT SURVEYED
LOCATION: 76 Station #3072	LOGGED BY: R. Dunn	EASTING: NOT SURVEYED
2445 Castro Valley Blvd.	APPROVED BY: K. Woodburne, RG	GROUND SURFACE ELEVATION: NOT SURVEYED
Castro Valley, California	DRILLING CO.: Woodward Drilling	

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 2-inch Diameter Direct-Push SAMPLER TYPE: 4-foot Continuous-Core Barrel TOTAL DEPTH: 50.0 feet DEPTH TO WATER: 49.0 feet	USCS	LITHOLOGY	BORING BACKFILL DETAIL
					DESCRIPTION			
1.2			1.0/ 1.0	40	Difficult drilling conditions.			40
				50	SAND (SP): Gray (10YR 5/1), 10% fines, 90% very fine-grained sand, loose, wet.	SP		50
				55				55
				60				60
				65				65
				70				70
				75				75
				80				80



**LOG OF EXPLORATORY BORING**

PROJECT NO.: 42-0187-01	DATE DRILLED: 1/31/05	NORTHING: NOT SURVEYED
LOCATION: 76 Station #3072	LOGGED BY: R. Dunn	EASTING: NOT SURVEYED
2445 Castro Valley Blvd.	APPROVED BY: K. Woodburne, RG	GROUND SURFACE ELEVATION: NOT SURVEYED
Castro Valley, California	DRILLING CO.: Woodward Drilling	

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 2-inch Diameter Direct-Push SAMPLER TYPE: 4-foot Continuous-Core Barrel TOTAL DEPTH: 23.0 feet DEPTH TO WATER: Not Encountered	USCS	LITHOLOGY	BORING BACKFILL DETAIL
					DESCRIPTION			
				0	Vacuum clearance to 5'.			0
0.2	3.0/3.0			5	SILT (ML): Light yellowish brown (10YR 6/4), 90% fines, 10% fine-grained sand, nonplastic, stiff, dry.	ML		5
0.4	4.0/4.0			10	SAND (SP): Brown (10YR 5/3), 10% fines, 90% fine- to medium-grained sand, dense, dry.			10
1.2	4.0/4.0			15				15
1.2	2.0/2.0			17.5	- @ 17.5': color change to gray (10YR 5/11), fine-grained sand, loose.	SP		17.5
1.8	2.0/2.0			20				20
2.5	2.0/2.0			25				25
2.0	1.0/1.0			30				30
				35				35
				40				40



**LOG OF EXPLORATORY BORING**

PROJECT NO.: 42-0187-01	DATE DRILLED: 1/31/05	NORTHING: NOT SURVEYED
LOCATION: 76 Station #3072	LOGGED BY: R. Dunn	EASTING: NOT SURVEYED
2445 Castro Valley Blvd.	APPROVED BY: K. Woodburne, RG	GROUND SURFACE ELEVATION: NOT SURVEYED
Castro Valley, California	DRILLING CO.: Woodward Drilling	

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 2-inch Diameter Direct-Push SAMPLER TYPE: 4-foot Continuous-Core Barrel TOTAL DEPTH: 50.0 feet DEPTH TO WATER: 47.0 feet	USCS	LITHOLOGY	BORING BACKFILL DETAIL
					DESCRIPTION			
				0	Vacuum clearance to 5'.			0
24.6	3.0/3.0			5	SILT (ML): Greenish gray (GLE Y1 5/10Y), 90% fines, 10% fine- to medium-grained sand, low plasticity, soft, moist.	ML		5
190.1	2.0/2.0			10	SAND (SP): Pale brown (10YR 6/3), 15% fines, 85% fine-grained sand, dry.			10
60.1	2.0/2.0			12.5	- @ 12.5': color change to yellowish brown (10YR 5/4).			12.5
2.2	1.0/1.0			15	- @ 15.5': medium-grained sand, slight hydrocarbon odor.	SP		15
6.7	3.0/3.0			20	- @ 20': no odor.			20
7.1	3.0/3.0			25				25
6.8	2.0/2.0			30				30
				35				35
				40	Difficult drilling conditions; augers used; no samples collected.			40



**LOG OF EXPLORATORY BORING**

PROJECT NO.: 42-0187-01	DATE DRILLED: 1/31/05	NORTHING: NOT SURVEYED
LOCATION: 76 Station #3072	LOGGED BY: R. Dunn	EASTING: NOT SURVEYED
2445 Castro Valley Blvd.	APPROVED BY: K. Woodburne, RG	GROUND SURFACE ELEVATION: NOT SURVEYED
Castro Valley, California	DRILLING CO.: Woodward Drilling	

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 2-inch Diameter Direct-Push SAMPLER TYPE: 4-foot Continuous-Core Barrel TOTAL DEPTH: 50.0 feet DEPTH TO WATER: 47.0 feet	USCS	LITHOLOGY	BORING BACKFILL DETAIL
					DESCRIPTION			
				40	Difficult drilling conditions.			40
				45				45
		3.0/ 3.0		50	SANDY SILT (ML): Gray (10YR 5/1), 90% fines, 10% fine-grained sand, low plasticity, soft, wet. SAND (SP): Gray (10YR 6/1), 10% fines, 90% fine-grained sand, dense, dry.	ML SP		50
				55				55
				60				60
				65				65
				70				70
				75				75
				80				80



**LOG OF EXPLORATORY BORING**

## SECTION 5



**TRC/Alton Geoscience-Concord**

February 10, 2005

1590 Solano Way, Suite A  
Concord, CA 94520

Attn.: Keith Woodburne

Project#: 42018701

Project: Conoco Phillips # 3072

Site: 2445 Castro Valley Blvd., Castro Valley

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: [dsharma@stl-inc.com](mailto:dsharma@stl-inc.com)

Sincerely,



Dimple Sharma  
Project Manager

**Total Lead**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
COMPOSITE	01/25/2005 19:30	Soil	12

**Total Lead**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>COMPOSITE</b>	Lab ID: 2005-01-0746 - 12
Sampled: 01/25/2005 19:30	Extracted: 1/28/2005 11:52
Matrix: Soil	QC Batch#: 2005/01/28-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	7.5	1.0	mg/Kg	1.00	01/31/2005 11:19	

**Total Lead**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**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**

TRC/Alton Geoscience-Concord  
Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Batch QC Report										
Prep(s): 3050B						Test(s): 6010B				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2005/01/28-05.15</b>				
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
Lead	104	105	100.0	104.0	105.0	1.0	80-120	20		

**Diesel (C9-C24)**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-3	01/25/2005 11:10	Water	8

**Diesel (C9-C24)**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>SB-3</b>	Lab ID: 2005-01-0746 - 8
Sampled: 01/25/2005 11:10	Extracted: 2/2/2005 12:38
Matrix: Water	QC Batch#: 2005/02/02-09.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	02/03/2005 23:08	
<b>Surrogate(s)</b> o-Terphenyl	98.5	78-177	%	1.00	02/03/2005 23:08	

**Diesel (C9-C24)**

TRC/Alton Geoscience-Concord  
Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Batch QC Report					
Prep(s): 3511		Test(s): 8015M			
<b>Method Blank</b>		<b>Water</b>		<b>QC Batch # 2005/02/02-09.10</b>	
MB: 2005/02/02-09.10-001		Date Extracted: 02/02/2005 12:38			
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	02/03/2005 23:38	
<b>Surrogates(s)</b> o-Terphenyl	100.0	78-177	%	02/03/2005 23:38	



**Diesel (C9-C24)**

TRC/Alton Geoscience-Concord  
Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Batch QC Report										
Prep(s): 3511						Test(s): 8015M				
<b>Laboratory Control Spike</b>			<b>Water</b>			<b>QC Batch # 2005/02/02-09.10</b>				
LCS	2005/02/02-09.10-002		Extracted: 02/02/2005			Analyzed: 02/04/2005 00:07				
LCSD	2005/02/02-09.10-003		Extracted: 02/02/2005			Analyzed: 02/04/2005 00:36				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	473	523	680	69.6	76.9	10.0	60-150	25		
<b>Surrogates(s)</b> o-Terphenyl	1.09	1.22	1.25	87.4	97.4		78-177	0		

**Diesel**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-3 @ 18	01/25/2005 09:10	Soil	7
SB-4 @ 8	01/25/2005 12:55	Soil	9
COMPOSITE	01/25/2005 19:30	Soil	12

**Diesel**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-3 @ 18</b>	Lab ID: 2005-01-0746 - 7
Sampled: 01/25/2005 09:10	Extracted: 2/2/2005 11:06
Matrix: Soil	QC Batch#: 2005/02/02-6B.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	02/03/2005 08:32	
<b>Surrogate(s)</b> o-Terphenyl	72.0	60-130	%	1.00	02/03/2005 08:32	

**Diesel**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-4 @ 8</b>	Lab ID: 2005-01-0746 - 9
Sampled: 01/25/2005 12:55	Extracted: 2/2/2005 11:06
Matrix: Soil	QC Batch#: 2005/02/02-6B.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	25	1.0	mg/Kg	1.00	02/03/2005 21:19	Q2
<b>Surrogate(s)</b> o-Terphenyl	85.2	60-130	%	1.00	02/03/2005 21:19	

**Diesel**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	<b>COMPOSITE</b>	Lab ID:	2005-01-0746 - 12
Sampled:	01/25/2005 19:30	Extracted:	2/2/2005 11:06
Matrix:	Soil	QC Batch#:	2005/02/02-6B.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	5.0	1.0	mg/Kg	1.00	02/03/2005 23:31	Q2
<b>Surrogate(s)</b> o-Terphenyl	85.5	60-130	%	1.00	02/03/2005 23:31	

**Diesel**

TRC/Alton Geoscience-Concord  
Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Batch QC Report					
Prep(s): 3550/8015M		Test(s): 8015M			
<b>Method Blank</b>		<b>Soil</b>		<b>QC Batch # 2005/02/02-6B.10</b>	
MB: 2005/02/02-6B.10-001		Date Extracted: 02/02/2005 11:06			
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	02/02/2005 16:49	
<b>Surrogates(s)</b> o-Terphenyl	68.2	60-130	%	02/02/2005 16:49	

**Diesel**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2005/02/02-6B.10**

LCS 2005/02/02-6B.10-002

Extracted: 02/02/2005

Analyzed: 02/02/2005 17:15

LCSD 2005/02/02-6B.10-003

Extracted: 02/02/2005

Analyzed: 02/02/2005 17:41

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	30.5	32.9	41.5	73.5	78.9	7.1	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	17.2	18.0	20.0	86.1	90.0		60-130			

**Diesel**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Legend and Notes**

**Result Flag**

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.



**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-1	01/24/2005 09:00	Water	3
SB-2	01/24/2005 12:30	Water	6
SB-3	01/25/2005 11:10	Water	8
SB-4	01/25/2005 18:50	Water	11

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-1</b>	Lab ID: 2005-01-0746 - 3
Sampled: 01/24/2005 09:00	Extracted: 2/7/2005 12:09
Matrix: Water	QC Batch#: 2005/02/07-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	02/07/2005 12:09	
Benzene	ND	0.50	ug/L	1.00	02/07/2005 12:09	
Toluene	ND	0.50	ug/L	1.00	02/07/2005 12:09	
Ethylbenzene	0.77	0.50	ug/L	1.00	02/07/2005 12:09	
Total xylenes	ND	1.0	ug/L	1.00	02/07/2005 12:09	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/07/2005 12:09	
Methyl tert-butyl ether (MTBE)	87	0.50	ug/L	1.00	02/07/2005 12:09	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	02/07/2005 12:09	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	02/07/2005 12:09	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	02/07/2005 12:09	
1,2-DCA	ND	0.50	ug/L	1.00	02/07/2005 12:09	
EDB	ND	0.50	ug/L	1.00	02/07/2005 12:09	
Ethanol	ND	50	ug/L	1.00	02/07/2005 12:09	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	99.6	73-130	%	1.00	02/07/2005 12:09	
Toluene-d8	98.7	81-114	%	1.00	02/07/2005 12:09	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-2</b>	Lab ID: 2005-01-0746 - 6
Sampled: 01/24/2005 12:30	Extracted: 2/7/2005 13:17
Matrix: Water	QC Batch#: 2005/02/07-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	02/07/2005 13:17	
Benzene	ND	0.50	ug/L	1.00	02/07/2005 13:17	
Toluene	ND	0.50	ug/L	1.00	02/07/2005 13:17	
Ethylbenzene	ND	0.50	ug/L	1.00	02/07/2005 13:17	
Total xylenes	1.2	1.0	ug/L	1.00	02/07/2005 13:17	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/07/2005 13:17	
Methyl tert-butyl ether (MTBE)	0.68	0.50	ug/L	1.00	02/07/2005 13:17	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	02/07/2005 13:17	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	02/07/2005 13:17	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	02/07/2005 13:17	
1,2-DCA	ND	0.50	ug/L	1.00	02/07/2005 13:17	
EDB	ND	0.50	ug/L	1.00	02/07/2005 13:17	
Ethanol	ND	50	ug/L	1.00	02/07/2005 13:17	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.4	73-130	%	1.00	02/07/2005 13:17	
Toluene-d8	97.2	81-114	%	1.00	02/07/2005 13:17	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-3</b>	Lab ID: 2005-01-0746 - 8
Sampled: 01/25/2005 11:10	Extracted: 2/7/2005 13:39
Matrix: Water	QC Batch#: 2005/02/07-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	02/07/2005 13:39	
Benzene	ND	0.50	ug/L	1.00	02/07/2005 13:39	
Toluene	ND	0.50	ug/L	1.00	02/07/2005 13:39	
Ethylbenzene	ND	0.50	ug/L	1.00	02/07/2005 13:39	
Total xylenes	ND	1.0	ug/L	1.00	02/07/2005 13:39	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/07/2005 13:39	
Methyl tert-butyl ether (MTBE)	5.1	0.50	ug/L	1.00	02/07/2005 13:39	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	02/07/2005 13:39	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	02/07/2005 13:39	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	02/07/2005 13:39	
1,2-DCA	ND	0.50	ug/L	1.00	02/07/2005 13:39	
EDB	ND	0.50	ug/L	1.00	02/07/2005 13:39	
Ethanol	ND	50	ug/L	1.00	02/07/2005 13:39	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	99.7	73-130	%	1.00	02/07/2005 13:39	
Toluene-d8	100.8	81-114	%	1.00	02/07/2005 13:39	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

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1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-4</b>	Lab ID: 2005-01-0746 - 11
Sampled: 01/25/2005 18:50	Extracted: 2/7/2005 14:02
Matrix: Water	QC Batch#: 2005/02/07-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	02/07/2005 14:02	
Benzene	ND	0.50	ug/L	1.00	02/07/2005 14:02	
Toluene	ND	0.50	ug/L	1.00	02/07/2005 14:02	
Ethylbenzene	ND	0.50	ug/L	1.00	02/07/2005 14:02	
Total xylenes	ND	1.0	ug/L	1.00	02/07/2005 14:02	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/07/2005 14:02	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/07/2005 14:02	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	02/07/2005 14:02	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	02/07/2005 14:02	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	02/07/2005 14:02	
1,2-DCA	ND	0.50	ug/L	1.00	02/07/2005 14:02	
EDB	ND	0.50	ug/L	1.00	02/07/2005 14:02	
Ethanol	ND	50	ug/L	1.00	02/07/2005 14:02	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.4	73-130	%	1.00	02/07/2005 14:02	
Toluene-d8	97.4	81-114	%	1.00	02/07/2005 14:02	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Water**

**QC Batch # 2005/02/07-2A.66**

MB: 2005/02/07-2A.66-013

Date Extracted: 02/07/2005 09:13

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	02/07/2005 09:13	
Benzene	ND	0.5	ug/L	02/07/2005 09:13	
Toluene	ND	0.5	ug/L	02/07/2005 09:13	
Ethylbenzene	ND	0.5	ug/L	02/07/2005 09:13	
Total xylenes	ND	1.0	ug/L	02/07/2005 09:13	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	02/07/2005 09:13	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/07/2005 09:13	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	02/07/2005 09:13	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	02/07/2005 09:13	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	02/07/2005 09:13	
1,2-DCA	ND	0.5	ug/L	02/07/2005 09:13	
EDB	ND	0.5	ug/L	02/07/2005 09:13	
Ethanol	ND	50	ug/L	02/07/2005 09:13	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	99.6	73-130	%	02/07/2005 09:13	
Toluene-d8	96.8	81-114	%	02/07/2005 09:13	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2005/02/07-2A.66**

LCS 2005/02/07-2A.66-050

Extracted: 02/07/2005

Analyzed: 02/07/2005 08:50

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.4		25	85.6			65-165	20		
Benzene	22.8		25	91.2			69-129	20		
Toluene	27.3		25	109.2			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	481		500	96.2			73-130			
Toluene-d8	488		500	97.6			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2005/02/07-2A.66**

SB-1 >> MS

Lab ID: 2005-01-0746 - 003

MS: 2005/02/07-2A.66-032

Extracted: 02/07/2005

Analyzed: 02/07/2005 12:32

Dilution: 1.00

MSD: 2005/02/07-2A.66-054

Extracted: 02/07/2005

Analyzed: 02/07/2005 12:54

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	112	115	86.7	25	101.2	113.2	11.2	65-165	20		
Benzene	24.9	26.3	ND	25	99.6	105.2	5.5	69-129	20		
Toluene	30.6	31.7	ND	25	122.4	126.8	3.5	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	450	489		500	90.0	97.8		73-130			
Toluene-d8	490	509		500	98.0	101.8		81-114			



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Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-1 @ 25.5	01/24/2005 17:50	Soil	2
SB-2 @ 12	01/24/2005 08:40	Soil	4
SB-2 @ 24	01/24/2005 12:15	Soil	5
SB-3 @ 18	01/25/2005 09:10	Soil	7
SB-4 @ 50	01/25/2005 19:20	Soil	10
COMPOSITE	01/25/2005 19:30	Soil	12

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-1 @ 25.5</b>	Lab ID: 2005-01-0746 - 2
Sampled: 01/24/2005 17:50	Extracted: 2/7/2005 11:24
Matrix: Soil	QC Batch#: 2005/02/07-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	02/07/2005 11:24	
Benzene	ND	0.0050	mg/Kg	1.00	02/07/2005 11:24	
Toluene	ND	0.0050	mg/Kg	1.00	02/07/2005 11:24	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/07/2005 11:24	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/07/2005 11:24	
tert-Butyl alcohol (TBA)	0.013	0.010	mg/Kg	1.00	02/07/2005 11:24	
Methyl tert-butyl ether (MTBE)	0.074	0.0050	mg/Kg	1.00	02/07/2005 11:24	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/07/2005 11:24	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/07/2005 11:24	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/07/2005 11:24	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/07/2005 11:24	
EDB	ND	0.0050	mg/Kg	1.00	02/07/2005 11:24	
Ethanol	ND	0.1	mg/Kg	1.00	02/07/2005 11:24	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.2	72-124	%	1.00	02/07/2005 11:24	
Toluene-d8	92.6	75-116	%	1.00	02/07/2005 11:24	

**Gas/BTEX Fuel Oxygenates by 8260B**

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1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-2 @ 12</b>	Lab ID: 2005-01-0746 - 4
Sampled: 01/24/2005 08:40	Extracted: 2/5/2005 13:34
Matrix: Soil	QC Batch#: 2005/02/05-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	02/05/2005 13:34	
Benzene	ND	0.0050	mg/Kg	1.00	02/05/2005 13:34	
Toluene	ND	0.0050	mg/Kg	1.00	02/05/2005 13:34	
Ethyl benzene	0.043	0.0050	mg/Kg	1.00	02/05/2005 13:34	
Total xylenes	0.021	0.0050	mg/Kg	1.00	02/05/2005 13:34	
tert-Butyl alcohol (TBA)	0.014	0.010	mg/Kg	1.00	02/05/2005 13:34	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/05/2005 13:34	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/05/2005 13:34	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/05/2005 13:34	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/05/2005 13:34	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/05/2005 13:34	
EDB	ND	0.0050	mg/Kg	1.00	02/05/2005 13:34	
Ethanol	ND	0.1	mg/Kg	1.00	02/05/2005 13:34	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.9	72-124	%	1.00	02/05/2005 13:34	
Toluene-d8	94.4	75-116	%	1.00	02/05/2005 13:34	

### Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience-Concord

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1590 Solano Way, Suite A  
 Concord, CA 94520  
 Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
 Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-2 @ 24</b>	Lab ID: 2005-01-0746 - 5
Sampled: 01/24/2005 12:15	Extracted: 2/7/2005 11:47
Matrix: Soil	QC Batch#: 2005/02/07-1A.66
Analysis Flag: N1 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	02/07/2005 11:47	
Benzene	ND	0.0050	mg/Kg	1.00	02/07/2005 11:47	
Toluene	ND	0.0050	mg/Kg	1.00	02/07/2005 11:47	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/07/2005 11:47	
Total xylenes	0.011	0.0050	mg/Kg	1.00	02/07/2005 11:47	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/07/2005 11:47	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/07/2005 11:47	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/07/2005 11:47	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/07/2005 11:47	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/07/2005 11:47	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/07/2005 11:47	
EDB	ND	0.0050	mg/Kg	1.00	02/07/2005 11:47	
Ethanol	ND	0.1	mg/Kg	1.00	02/07/2005 11:47	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	106.2	72-124	%	1.00	02/07/2005 11:47	
Toluene-d8	94.1	75-116	%	1.00	02/07/2005 11:47	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

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Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-3 @ 18</b>	Lab ID: 2005-01-0746 - 7
Sampled: 01/25/2005 09:10	Extracted: 2/7/2005 23:03
Matrix: Soil	QC Batch#: 2005/02/07-3A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	02/07/2005 23:03	
Benzene	ND	0.0050	mg/Kg	1.00	02/07/2005 23:03	
Toluene	ND	0.0050	mg/Kg	1.00	02/07/2005 23:03	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/07/2005 23:03	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/07/2005 23:03	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/07/2005 23:03	
Methyl tert-butyl ether (MTBE)	0.11	0.0050	mg/Kg	1.00	02/07/2005 23:03	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/07/2005 23:03	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/07/2005 23:03	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/07/2005 23:03	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/07/2005 23:03	
EDB	ND	0.0050	mg/Kg	1.00	02/07/2005 23:03	
Ethanol	ND	0.1	mg/Kg	1.00	02/07/2005 23:03	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	114.7	72-124	%	1.00	02/07/2005 23:03	
Toluene-d8	93.7	75-116	%	1.00	02/07/2005 23:03	

**Gas/BTEX Fuel Oxygenates by 8260B**

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1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-4 @ 50</b>	Lab ID: 2005-01-0746 - 10
Sampled: 01/25/2005 19:20	Extracted: 2/8/2005 13:49
Matrix: Soil	QC Batch#: 2005/02/08-1A.66
Analysis Flag: N1 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	02/08/2005 13:49	
Benzene	ND	0.0050	mg/Kg	1.00	02/08/2005 13:49	
Toluene	ND	0.0050	mg/Kg	1.00	02/08/2005 13:49	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/08/2005 13:49	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/08/2005 13:49	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/08/2005 13:49	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/08/2005 13:49	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/08/2005 13:49	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/08/2005 13:49	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/08/2005 13:49	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/08/2005 13:49	
EDB	ND	0.0050	mg/Kg	1.00	02/08/2005 13:49	
Ethanol	ND	0.1	mg/Kg	1.00	02/08/2005 13:49	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	116.9	72-124	%	1.00	02/08/2005 13:49	
Toluene-d8	82.6	75-116	%	1.00	02/08/2005 13:49	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

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Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>COMPOSITE</b>	Lab ID: 2005-01-0746 - 12
Sampled: 01/25/2005 19:30	Extracted: 2/8/2005 14:11
Matrix: Soil	QC Batch#: 2005/02/08-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	02/08/2005 14:11	
Benzene	ND	0.0050	mg/Kg	1.00	02/08/2005 14:11	
Toluene	ND	0.0050	mg/Kg	1.00	02/08/2005 14:11	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/08/2005 14:11	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/08/2005 14:11	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/08/2005 14:11	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/08/2005 14:11	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/08/2005 14:11	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/08/2005 14:11	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/08/2005 14:11	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/08/2005 14:11	
EDB	ND	0.0050	mg/Kg	1.00	02/08/2005 14:11	
Ethanol	ND	0.1	mg/Kg	1.00	02/08/2005 14:11	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	110.6	72-124	%	1.00	02/08/2005 14:11	
Toluene-d8	96.0	75-116	%	1.00	02/08/2005 14:11	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2005/02/05-1A.66**

MB: 2005/02/05-1A.66-055

Date Extracted: 02/05/2005 11:55

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	1	mg/Kg	02/05/2005 11:55	
Benzene	ND	0.005	mg/Kg	02/05/2005 11:55	
Toluene	ND	0.005	mg/Kg	02/05/2005 11:55	
Ethyl benzene	ND	0.005	mg/Kg	02/05/2005 11:55	
Total xylenes	ND	0.005	mg/Kg	02/05/2005 11:55	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	02/05/2005 11:55	
Methyl tert-butyl ether (MTBE)	ND	0.005	mg/Kg	02/05/2005 11:55	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	02/05/2005 11:55	
Ethyl tert-butyl ether (ETBE)	ND	0.005	mg/Kg	02/05/2005 11:55	
tert-Amyl methyl ether (TAME)	ND	0.005	mg/Kg	02/05/2005 11:55	
1,2-DCA	ND	0.005	mg/Kg	02/05/2005 11:55	
EDB	ND	0.005	mg/Kg	02/05/2005 11:55	
Ethanol	ND	0.100	mg/Kg	02/05/2005 11:55	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	107.2	72-124	%	02/05/2005 11:55	
Toluene-d8	110.8	75-116	%	02/05/2005 11:55	



**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2005/02/07-1A.66**

MB: 2005/02/07-1A.66-027

Date Extracted: 02/07/2005 08:27

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	1	mg/Kg	02/07/2005 08:27	
Benzene	ND	0.005	mg/Kg	02/07/2005 08:27	
Toluene	ND	0.005	mg/Kg	02/07/2005 08:27	
Ethyl benzene	ND	0.005	mg/Kg	02/07/2005 08:27	
Total xylenes	ND	0.005	mg/Kg	02/07/2005 08:27	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	02/07/2005 08:27	
Methyl tert-butyl ether (MTBE)	ND	0.005	mg/Kg	02/07/2005 08:27	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	02/07/2005 08:27	
Ethyl tert-butyl ether (ETBE)	ND	0.005	mg/Kg	02/07/2005 08:27	
tert-Amyl methyl ether (TAME)	ND	0.005	mg/Kg	02/07/2005 08:27	
1,2-DCA	ND	0.005	mg/Kg	02/07/2005 08:27	
EDB	ND	0.005	mg/Kg	02/07/2005 08:27	
Ethanol	ND	0.100	mg/Kg	02/07/2005 08:27	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	100.4	72-124	%	02/07/2005 08:27	
Toluene-d8	96.8	75-116	%	02/07/2005 08:27	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2005/02/07-3A.66-005

**Soil**

Test(s): 8260B

**QC Batch # 2005/02/07-3A.66**

Date Extracted: 02/07/2005 18:05

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	1	mg/Kg	02/07/2005 18:05	
Benzene	ND	0.005	mg/Kg	02/07/2005 18:05	
Toluene	ND	0.005	mg/Kg	02/07/2005 18:05	
Ethyl benzene	ND	0.005	mg/Kg	02/07/2005 18:05	
Total xylenes	ND	0.005	mg/Kg	02/07/2005 18:05	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	02/07/2005 18:05	
Methyl tert-butyl ether (MTBE)	ND	0.005	mg/Kg	02/07/2005 18:05	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	02/07/2005 18:05	
Ethyl tert-butyl ether (ETBE)	ND	0.005	mg/Kg	02/07/2005 18:05	
tert-Amyl methyl ether (TAME)	ND	0.005	mg/Kg	02/07/2005 18:05	
1,2-DCA	ND	0.005	mg/Kg	02/07/2005 18:05	
EDB	ND	0.005	mg/Kg	02/07/2005 18:05	
Ethanol	ND	0.100	mg/Kg	02/07/2005 18:05	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	98.6	72-124	%	02/07/2005 18:05	
Toluene-d8	96.4	75-116	%	02/07/2005 18:05	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2005/02/08-1A.66**

MB: 2005/02/08-1A.66-027

Date Extracted: 02/08/2005 07:27

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	1	mg/Kg	02/08/2005 07:27	
Benzene	ND	0.005	mg/Kg	02/08/2005 07:27	
Toluene	ND	0.005	mg/Kg	02/08/2005 07:27	
Ethyl benzene	ND	0.005	mg/Kg	02/08/2005 07:27	
Total xylenes	ND	0.005	mg/Kg	02/08/2005 07:27	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	02/08/2005 07:27	
Methyl tert-butyl ether (MTBE)	ND	0.005	mg/Kg	02/08/2005 07:27	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	02/08/2005 07:27	
Ethyl tert-butyl ether (ETBE)	ND	0.005	mg/Kg	02/08/2005 07:27	
tert-Amyl methyl ether (TAME)	ND	0.005	mg/Kg	02/08/2005 07:27	
1,2-DCA	ND	0.005	mg/Kg	02/08/2005 07:27	
EDB	ND	0.005	mg/Kg	02/08/2005 07:27	
Ethanol	ND	0.100	mg/Kg	02/08/2005 07:27	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	103.0	72-124	%	02/08/2005 07:27	
Toluene-d8	96.4	75-116	%	02/08/2005 07:27	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2005/02/05-1A.66**

LCS 2005/02/05-1A.66-033

Extracted: 02/05/2005

Analyzed: 02/05/2005 11:33

LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0478		0.05	95.6			65-165	20		
Benzene	0.0404		0.05	80.8			69-129	20		
Toluene	0.0505		0.05	101.0			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	527		500	105.4			72-124			
Toluene-d8	544		500	108.8			75-116			

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord  
Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Batch QC Report										
Prep(s): 5030B							Test(s): 8260B			
<b>Laboratory Control Spike</b>				<b>Soil</b>			<b>QC Batch # 2005/02/07-1A.66</b>			
LCS	2005/02/07-1A.66-049			Extracted: 02/07/2005			Analyzed: 02/07/2005 09:49			
LCSD										

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0370		0.05	74.0			65-165	20		
Benzene	0.0371		0.05	74.2			69-129	20		
Toluene	0.0469		0.05	93.8			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	496		500	99.2			72-124			
Toluene-d8	514		500	102.8			75-116			

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord  
Attn.: Keith Woodburne

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Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Batch QC Report										
Prep(s): 5030B							Test(s): 8260B			
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2005/02/07-3A.66</b>				
LCS	2005/02/07-3A.66-043		Extracted: 02/07/2005			Analyzed: 02/07/2005 17:43				
LCSD										

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0452		0.05	90.4			65-165	20		
Benzene	0.0413		0.05	82.6			69-129	20		
Toluene	0.0532		0.05	106.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	486		500	97.2			72-124			
Toluene-d8	500		500	100.0			75-116			

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord  
Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Batch QC Report										
Prep(s): 5030B							Test(s): 8260B			
<b>Laboratory Control Spike</b>				<b>Soil</b>			<b>QC Batch # 2005/02/08-1A.66</b>			
LCS	2005/02/08-1A.66-003			Extracted: 02/08/2005			Analyzed: 02/08/2005 07:04			
LCSD										

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0450		0.05	90.0			65-165	20		
Benzene	0.0454		0.05	90.8			69-129	20		
Toluene	0.0563		0.05	112.6			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	478		500	95.6			72-124			
Toluene-d8	490		500	98.0			75-116			

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2005/02/05-1A.66**

MS/MSD

Lab ID: 2005-02-0085 - 001

MS: 2005/02/05-1A.66-004

Extracted: 02/05/2005

Analyzed: 02/05/2005 15:04

Dilution: 1.00

MSD: 2005/02/05-1A.66-026

Extracted: 02/05/2005

Analyzed: 02/05/2005 15:26

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0385	0.0409	ND	0.047348	81.3	84.1	3.4	65-165	20		
Benzene	0.0391	0.0380	ND	0.047348	82.6	78.1	5.6	69-129	20		
Toluene	0.132	0.0948	0.134	0.047348	-4.2	-80.6	-180	70-130	20	M5	M5,R1
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	510	479		500	102.0	95.8		72-124			
Toluene-d8	535	505		500	107.0	101.0		75-116			



**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2005/02/07-1A.66**

MS/MSD

Lab ID: 2005-01-0653 - 003

MS: 2005/02/07-1A.66-040

Extracted: 02/07/2005

Analyzed: 02/07/2005 10:40

Dilution: 1.00

MSD: 2005/02/07-1A.66-002

Extracted: 02/07/2005

Analyzed: 02/07/2005 11:02

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0627	0.0541	ND	0.049603	126.4	112.1	12.0	65-165	20		
Benzene	0.0617	0.0560	ND	0.049603	124.4	116.0	7.0	69-129	20		
Toluene	0.0561	0.0531	ND	0.049603	113.1	110.0	2.8	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	694	638		500	138.8	127.6		72-124		S7	S7
Toluene-d8	517	514		500	103.4	102.8		75-116			

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2005/02/07-3A.66**

MS/MSD

Lab ID: 2005-01-0756 - 011

MS: 2005/02/07-3A.66-040

Extracted: 02/07/2005

Analyzed: 02/07/2005 19:40

Dilution: 200.00

MSD: 2005/02/07-3A.66-003

Extracted: 02/07/2005

Analyzed: 02/07/2005 20:03

Dilution: 200.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0754	0.0825	0.0382	0.049115	75.7	89.1	16.3	65-165	20		
Benzene	0.0436	0.0446	ND	0.049115	88.8	89.7	1.0	69-129	20		
Toluene	0.0515	0.0494	ND	0.049115	104.9	99.4	5.4	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	480	470		500	96.0	94.0		72-124			
Toluene-d8	503	488		500	100.6	97.6		75-116			

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2005/02/08-1A.66**

MS/MSD

Lab ID: 2005-02-0085 - 007

MS: 2005/02/08-1A.66-004

Extracted: 02/08/2005

Analyzed: 02/08/2005 13:04

Dilution: 200.00

MSD: 2005/02/08-1A.66-026

Extracted: 02/08/2005

Analyzed: 02/08/2005 13:26

Dilution: 200.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0361	0.0410	ND	0.049505	72.9	83.3	13.3	65-165	20		
Benzene	0.0373	0.0425	ND	0.049505	75.3	86.4	13.7	69-129	20		
Toluene	0.0961	0.0762	0.0397	0.049505	113.9	74.2	42.2	70-130	20		R1
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	489	498		500	97.8	99.6		72-124			
Toluene-d8	493	493		500	98.6	98.6		75-116			

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Legend and Notes**

**Analysis Flag**

N1

Internal standard out of range.

**Result Flag**

M5

MS/MSD spike recoveries were below acceptance limits.  
See blank spike (LCS).

R1

Analyte RPD was out of QC limits.

S7

Surrogate recoveries higher than acceptance limits.

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-1 @ 8	01/24/2005 14:15	Soil	1
SB-4 @ 8	01/25/2005 12:55	Soil	9

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-1 @ 8</b>	Lab ID: 2005-01-0746 - 1
Sampled: 01/24/2005 14:15	Extracted: 2/7/2005 16:16
Matrix: Soil	QC Batch#: 2005/02/04-3A.66
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	480	50	mg/Kg	1.00	02/07/2005 16:16	
Benzene	ND	0.50	mg/Kg	1.00	02/07/2005 16:16	
Toluene	ND	0.50	mg/Kg	1.00	02/07/2005 16:16	
Ethyl benzene	1.1	0.50	mg/Kg	1.00	02/07/2005 16:16	
Total xylenes	1.1	0.50	mg/Kg	1.00	02/07/2005 16:16	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	02/07/2005 16:16	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	02/07/2005 16:16	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	02/07/2005 16:16	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	02/07/2005 16:16	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	02/07/2005 16:16	
1,2-DCA	ND	0.50	mg/Kg	1.00	02/07/2005 16:16	
EDB	ND	0.50	mg/Kg	1.00	02/07/2005 16:16	
Ethanol	ND	25	mg/Kg	1.00	02/07/2005 16:16	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.2	53-129	%	1.00	02/07/2005 16:16	
Toluene-d8	111.8	47-136	%	1.00	02/07/2005 16:16	

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-4 @ 8</b>	Lab ID: 2005-01-0746 - 9
Sampled: 01/25/2005 12:55	Extracted: 2/5/2005 21:25
Matrix: Soil	QC Batch#: 2005/02/04-3A.66
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	470	50	mg/Kg	1.00	02/05/2005 21:25	
Benzene	ND	0.50	mg/Kg	1.00	02/05/2005 21:25	
Toluene	ND	0.50	mg/Kg	1.00	02/05/2005 21:25	
Ethyl benzene	ND	0.50	mg/Kg	1.00	02/05/2005 21:25	
Total xylenes	ND	0.50	mg/Kg	1.00	02/05/2005 21:25	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	02/05/2005 21:25	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	02/05/2005 21:25	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	02/05/2005 21:25	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	02/05/2005 21:25	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	02/05/2005 21:25	
1,2-DCA	ND	0.50	mg/Kg	1.00	02/05/2005 21:25	
EDB	ND	0.50	mg/Kg	1.00	02/05/2005 21:25	
Ethanol	ND	25	mg/Kg	1.00	02/05/2005 21:25	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	113.4	53-129	%	1.00	02/05/2005 21:25	
Toluene-d8	104.3	47-136	%	1.00	02/05/2005 21:25	

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701  
Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2005/02/04-3A.66**

MB: 2005/02/04-3A.66-015

Date Extracted: 02/05/2005 01:15

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	mg/Kg	02/05/2005 01:15	
Benzene	ND	0.5	mg/Kg	02/05/2005 01:15	
Toluene	ND	0.50	mg/Kg	02/05/2005 01:15	
Ethyl benzene	ND	0.50	mg/Kg	02/05/2005 01:15	
Total xylenes	ND	0.50	mg/Kg	02/05/2005 01:15	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	02/05/2005 01:15	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	02/05/2005 01:15	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	02/05/2005 01:15	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	02/05/2005 01:15	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	02/05/2005 01:15	
1,2-DCA	ND	0.50	mg/Kg	02/05/2005 01:15	
EDB	ND	0.50	mg/Kg	02/05/2005 01:15	
Ethanol	ND	25	mg/Kg	02/05/2005 01:15	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	122.8	53-129	%	02/05/2005 01:15	
Toluene-d8	107.6	47-136	%	02/05/2005 01:15	



**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2005/02/04-3A.66**

LCS 2005/02/04-3A.66-030

Extracted: 02/05/2005

Analyzed: 02/05/2005 00:30

LCSD 2005/02/04-3A.66-052

Extracted: 02/05/2005

Analyzed: 02/05/2005 00:52

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	9.70	10.3	10	97.0	103.0	6.0	69-129	20		
Toluene	10.9	11.7	10	109.0	117.0	7.1	70-130	20		
Methyl tert-butyl ether (MTBE)	8.13	9.09	10	81.3	90.9	11.1	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	299	293	250	119.6	117.2		53-129			
Toluene-d8	293	290	250	117.2	116.0		47-136			

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 42018701

Conoco Phillips # 3072

Received: 01/26/2005 15:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Legend and Notes**

**Analysis Flag**

L2

Reporting limits were raised due to high level of analyte present in the sample.





**TRC/Alton Geoscience-Concord**

February 15, 2005

1590 Solano Way, Suite A  
Concord, CA 94520

Attn.: Keith Woodburne

Project#: 41050001FA20

Project: Conoco Phillips #3072

Site: 2445 Castro Valley Blvd., Castro Valley

Attached is our report for your samples received on 02/01/2005 16:00

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 03/18/2005 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: [dsharma@stl-inc.com](mailto:dsharma@stl-inc.com)

Sincerely,



Dimple Sharma  
Project Manager

**Total Lead**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-6@10	01/31/2005 11:25	Soil	2
SB-6@50	01/31/2005 17:30	Soil	3

**Total Lead**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s):	3050B	Test(s):	6010B
Sample ID:	<b>SB-6@10</b>	Lab ID:	2005-02-0090 - 2
Sampled:	01/31/2005 11:25	Extracted:	2/4/2005 11:31
Matrix:	Soil	QC Batch#:	2005/02/04-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	3.4	1.0	mg/Kg	1.00	02/07/2005 10:15	

**Total Lead**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s):	3050B	Test(s):	6010B
Sample ID:	<b>SB-6@50</b>	Lab ID:	2005-02-0090 - 3
Sampled:	01/31/2005 17:30	Extracted:	2/4/2005 11:31
Matrix:	Soil	QC Batch#:	2005/02/04-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	4.7	1.0	mg/Kg	1.00	02/07/2005 13:30	



**Total Lead**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 3050B

**Method Blank**

MB: 2005/02/04-03.15-011

**Soil**

Test(s): 6010B

**QC Batch # 2005/02/04-03.15**

Date Extracted: 02/04/2005 11:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	02/07/2005 08:42	

**Total Lead**

TRC/Alton Geoscience-Concord  
Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20  
Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

Batch QC Report										
Prep(s): 3050B						Test(s): 6010B				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2005/02/04-03.15</b>				
LCS	2005/02/04-03.15-012		Extracted: 02/04/2005			Analyzed: 02/07/2005 08:45				
LCSD	2005/02/04-03.15-013		Extracted: 02/04/2005			Analyzed: 02/07/2005 08:48				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	94.1	88.0	100.0	94.1	88.0	6.7	80-120	20		

**Oil & Grease (Total) by EPA 1664A**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-6@10	01/31/2005 11:25	Soil	2
SB-6@50	01/31/2005 17:30	Soil	3

**Oil & Grease (Total) by EPA 1664A**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 1664A	Test(s): 1664A
Sample ID: <b>SB-6@10</b>	Lab ID: 2005-02-0090 - 2
Sampled: 01/31/2005 11:25	Extracted: 2/9/2005 00:00
Matrix: Soil	QC Batch#: 2005/02/09-01.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	670	50	mg/Kg	1.00	02/09/2005	

**Oil & Grease (Total) by EPA 1664A**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 1664A	Test(s): 1664A
Sample ID: <b>SB-6@50</b>	Lab ID: 2005-02-0090 - 3
Sampled: 01/31/2005 17:30	Extracted: 2/9/2005 00:00
Matrix: Soil	QC Batch#: 2005/02/09-01.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	02/09/2005	

**Oil & Grease (Total) by EPA 1664A**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 1664A

**Method Blank**

MB: 2005/02/09-01.23-001

**Soil**

Test(s): 1664A

**QC Batch # 2005/02/09-01.23**

Date Extracted: 02/09/2005

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	02/09/2005	

**Oil & Grease (Total) by EPA 1664A**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

Batch QC Report										
Prep(s): 1664A						Test(s): 1664A				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2005/02/09-01.23</b>				
LCS	2005/02/09-01.23-002		Extracted: 02/09/2005			Analyzed: 02/09/2005				
LCSD	2005/02/09-01.23-003		Extracted: 02/09/2005			Analyzed: 02/09/2005				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil & Grease (total)	752	746	800	94.2	93.3	1.0	79-114	20		

**Diesel**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-5@23	01/31/2005 09:04	Soil	1



**Diesel**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-5@23</b>	Lab ID: 2005-02-0090 - 1
Sampled: 01/31/2005 09:04	Extracted: 2/11/2005 07:29
Matrix: Soil	QC Batch#: 2005/02/11-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.1	1.0	mg/Kg	1.00	02/11/2005 17:23	Q2
<b>Surrogate(s)</b> o-Terphenyl	78.2	60-130	%	1.00	02/11/2005 17:23	

**Diesel**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20  
Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 3550/8015M	Test(s): 8015M
<b>Method Blank</b>	<b>Soil</b>
MB: 2005/02/11-2A.10-001	<b>QC Batch # 2005/02/11-2A.10</b>
	Date Extracted: 02/11/2005 07:29

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	02/11/2005 14:38	
<b>Surrogates(s)</b> o-Terphenyl	76.4	60-130	%	02/11/2005 14:38	

**Diesel**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2005/02/11-2A.10**

LCS 2005/02/11-2A.10-002

Extracted: 02/11/2005

Analyzed: 02/11/2005 16:40

LCSD 2005/02/11-2A.10-003

Extracted: 02/11/2005

Analyzed: 02/11/2005 17:06

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	33.9	33.5	41.2	82.3	81.1	1.5	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	19.0	19.0	20.0	95.1	95.2		60-130			

**Diesel**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Legend and Notes**

**Result Flag**

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-5@23	01/31/2005 09:04	Soil	1

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A

Concord, CA 94520

Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20

Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-5@23</b>	Lab ID: 2005-02-0090 - 1
Sampled: 01/31/2005 09:04	Extracted: 2/11/2005 13:06
Matrix: Soil	QC Batch#: 2005/02/11-1A.66
Analysis Flag: N1 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	02/11/2005 13:06	
Benzene	ND	0.0050	mg/Kg	1.00	02/11/2005 13:06	
Toluene	ND	0.0050	mg/Kg	1.00	02/11/2005 13:06	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/11/2005 13:06	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/11/2005 13:06	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/11/2005 13:06	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/11/2005 13:06	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/11/2005 13:06	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/11/2005 13:06	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/11/2005 13:06	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/11/2005 13:06	
EDB	ND	0.0050	mg/Kg	1.00	02/11/2005 13:06	
Ethanol	ND	0.1	mg/Kg	1.00	02/11/2005 13:06	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	132.5	72-124	%	1.00	02/11/2005 13:06	S7
Toluene-d8	89.7	75-116	%	1.00	02/11/2005 13:06	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20  
Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2005/02/11-1A.66**

MB: 2005/02/11-1A.66-024

Date Extracted: 02/11/2005 08:24

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	1	mg/Kg	02/11/2005 08:24	
Benzene	ND	0.005	mg/Kg	02/11/2005 08:24	
Toluene	ND	0.005	mg/Kg	02/11/2005 08:24	
Ethyl benzene	ND	0.005	mg/Kg	02/11/2005 08:24	
Total xylenes	ND	0.005	mg/Kg	02/11/2005 08:24	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	02/11/2005 08:24	
Methyl tert-butyl ether (MTBE)	ND	0.005	mg/Kg	02/11/2005 08:24	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	02/11/2005 08:24	
Ethyl tert-butyl ether (ETBE)	ND	0.005	mg/Kg	02/11/2005 08:24	
tert-Amyl methyl ether (TAME)	ND	0.005	mg/Kg	02/11/2005 08:24	
1,2-DCA	ND	0.005	mg/Kg	02/11/2005 08:24	
EDB	ND	0.005	mg/Kg	02/11/2005 08:24	
Ethanol	ND	0.100	mg/Kg	02/11/2005 08:24	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	109.0	72-124	%	02/11/2005 08:24	
Toluene-d8	104.6	75-116	%	02/11/2005 08:24	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20  
Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
<b>Laboratory Control Spike</b>				<b>Soil</b>			<b>QC Batch # 2005/02/11-1A.66</b>			
LCS	2005/02/11-1A.66-001			Extracted: 02/11/2005			Analyzed: 02/11/2005 08:01			
LCSD										

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0467		0.05	93.4			65-165	20		
Benzene	0.0470		0.05	94.0			69-129	20		
Toluene	0.0574		0.05	114.8			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	517		500	103.4			72-124			
Toluene-d8	501		500	100.2			75-116			



**Gas/BTEX Fuel Oxygenates by 8260B**

TRC/Alton Geoscience-Concord  
Attn.: Keith Woodburne

1590 Solano Way, Suite A  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001FA20  
Conoco Phillips #3072

Received: 02/01/2005 16:00

Site: 2445 Castro Valley Blvd., Castro Valley

**Batch QC Report**

Prep(s): 5030B	Test(s): 8260B	
<b>Matrix Spike ( MS / MSD )</b>	<b>Soil</b>	<b>QC Batch # 2005/02/11-1A.66</b>
SB-5@23 >> MS		Lab ID: 2005-02-0090 - 001
MS: 2005/02/11-1A.66-028	Extracted: 02/11/2005	Analyzed: 02/11/2005 13:28
		Dilution: 1.00
MSD: 2005/02/11-1A.66-051	Extracted: 02/11/2005	Analyzed: 02/11/2005 13:51
		Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0585	0.0588	ND	0.05	117.0	117.6	0.5	65-165	20		
Benzene	0.0569	0.0552	ND	0.05	113.8	110.4	3.0	69-129	20		
Toluene	0.0611	0.0573	ND	0.05	122.2	114.6	6.4	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	567	589		500	113.4	117.8		72-124			
Toluene-d8	485	499		500	97.0	99.8		75-116			

## Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience-Concord

Attn.: Keith Woodburne

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### Legend and Notes

#### Analysis Flag

N1

Internal standard out of range.

#### Result Flag

S7

Surrogate recoveries higher than acceptance limits.

