



Customer-Focused Solutions

December 3, 2003

Project No. 42-0103-01

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

RECEIVED

By loprojectop at 4:38 pm, Mar 29, 2006

ATTN: ANDREW STOW

SITE: 76 STATION 6034
4700 FIRST ST
LIVERMORE, CALIFORNIA

RE: BASELINE SITE ASSESSMENT REPORT

Dear Mr. Stow:

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

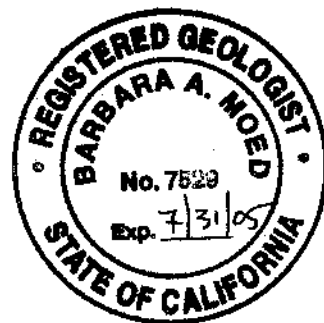
Section 1	Summary Data
Section 2	Figures
Section 3	Tables
Section 4	General Field Procedures and Boring Logs
Section 5	Laboratory Analytical Report and Chains-of-Custody

If you have any questions regarding this report, please call Mark Trevor or Barbara Moed with TRC at (925) 688-1200.

Sincerely,
TRC

for *Jeffrey D. White*
Mark Trevor
Senior Staff Geologist

Barbara Moed
Barbara Moed, R.G.
Senior Project Geologist



cc: Mr. David B. DeWitt, ConocoPhillips (1 copy)
Mr. Bob Turrietta, ConocoPhillips (3 copies)

SECTION 1

SUMMARY DATA

SITE INFORMATION					
76 Station 6034 4700 First Street Livermore, Ca 94551	TRC Project Number: 420103-01				
SCOPE OF WORK					
Drill 5 soil borings to assess the presence of hydrocarbon-affected soil and groundwater beneath the site. Sample groundwater from the onsite monitoring wells.	Environmental Consultant: TRC Drilling Contractor and Rig: Fisch Drilling / Powerprobe 5600				
SITE OVERVIEW					
Active service station with two 12,000-gallon gasoline USTs, one waste-oil UST, two dispenser islands and three hoists.	Groundwater was encountered at depths ranging from 14.3 to 15.6 fbg in all borings.				
FIELD ACTIVITIES					
USA Notification: October 27, 2003 Borings Drilled on: October 30, 2003 Boring Depths and Identifications: 20.0 fbg: Direct-push Borings SB-1, SB-2, SB-3, SB-4 and SB-5	<table style="width: 100%; border: none;"> <tr> <td style="padding-right: 20px;">Soil samples analyzed:</td> <td style="text-align: right;">5</td> </tr> <tr> <td>Groundwater samples analyzed:</td> <td style="text-align: right;">10</td> </tr> </table> <p>Soil 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.</p> <p>The date and time of sample collection is documented on the Chain of Custody records included in Section 5.</p>	Soil samples analyzed:	5	Groundwater samples analyzed:	10
Soil samples analyzed:	5				
Groundwater samples analyzed:	10				
LABORATORY ANALYSIS					
Soil 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"> • TPPH using EPA Method 8260B. • BTEX, Oxygenates (MTBE, DIPE, ETBE, TAME and TBA), fuel additives 1,2-DCA and EDB, and ethanol using EPA Method 8260B. 					
<u>Waste Oil UST:</u> <ul style="list-style-type: none"> • O&G using EPA Method 1664. • Total lead using EPA Method 6010B. 					
FINDINGS					
<u>Lithology and Depth to Groundwater</u> The soil encountered beneath the site consists of gravel and silt to an average depth of 10 fbg, underlain by clay to approximately 15 fbg and finally sand and gravel to the maximum explored depth of 20 fbg. Groundwater was encountered at depths ranging from 14.3 to 15.6 fbg.					
<u>Soil Results</u> The laboratory results for TPPH, BTEX, oxygenates, fuel additives, ethanol, total lead and O&G are listed in Section 3. TPPH, BTEX, DIPE, ETBE, TAME, 1,2-DCA, EDB and ethanol were not detected in the four soil samples analyzed from borings near the gasoline USTs and dispensers. MTBE was detected in two of four samples analyzed at concentrations ranging from 0.042 to 0.064 mg/kg. TBA was detected in two of four samples analyzed at concentrations ranging from 0.016 to 0.027 mg/kg. O&G were not detected in the soil sample from the boring (SB-2) located adjacent to the waste oil UST; total lead was detected at a concentration of 4.4 mg/kg in this sample. The detected concentrations of MTBE, TBA and total lead are below action levels for cleanup, based on EPA Region 9 Preliminary Remedial Goals. However, the detected concentrations of MTBE exceed the applicable Tier 1 Environmental Screening Level of the San Francisco Bay Regional Water Quality Control Board.					

SUMMARY DATA

FINDINGS (CONT'D.)

Groundwater Results

TPPH, benzene, TBA, DIPE, ETBE, TAME, 1,2-DCA, EDB and ethanol were not detected in the nine groundwater samples tested for these analytes. Toluene, ethylbenzene and xylenes were detected in one (SB-1) of nine samples at concentrations of 1.4, 0.93 and 3.1 µg/L, respectively. MTBE was detected in one (SB-3) of nine samples at a concentration of 13.0 µg/L. O&G were not detected in the ground water samples (SB-2, MW-1) located adjacent to the waste oil UST. Total lead was detected at these locations at concentrations ranging from 0.067 to 0.21 mg/L. Concentrations at or exceeding the California Maximum Contaminant Levels for Drinking Water are shown in bold in Table 2. The San Francisco Bay Regional Water Quality Control Board's applicable Tier 1 Environmental Screening Levels for groundwater are also shown for reference.

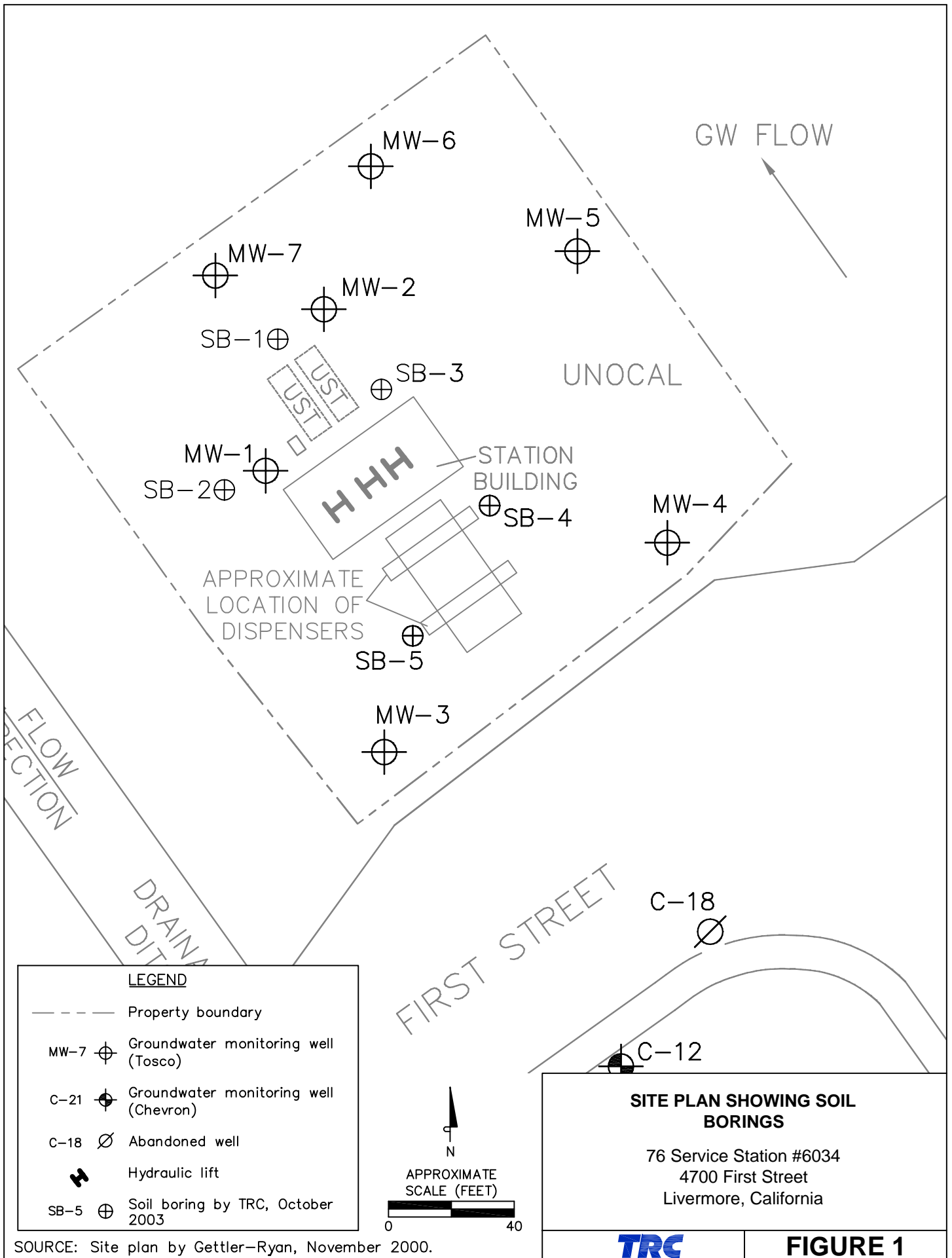
LIST OF ABBREVIATIONS

NA	= not applicable	MTBE	= methyl tertiary butyl ether
TPPH	= total purgeable petroleum hydrocarbons	ND	= not detected at laboratory detection limits indicated in official laboratory report
TPH-D	= total petroleum hydrocarbons as diesel	O&G	= oil and grease (petroleum)
VOC	= volatile organic compound	fbg	= feet below grade
PCB	= polychlorinated biphenyl	gw	= groundwater
CAM	= California Assessment Method	gal	= gallon
HSA	= Hollow stem auger	max	= maximum
1,2-DCA	= 1,2-dichloroethane	mg/kg	= milligrams per kilogram
EDB	= ethylene dibromide	UST	= Underground storage tank

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



SOURCE: Site plan by Gettler-Ryan, November 2000.

SECTION 3

Table 1

RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES
76 Station 6034

Sample Number	Sample Date	Depth (fbg)	TPPH	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	Lead	Oil & Grease
			(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)
			EPA Method 8260B											Method 6010B	Method 1664		
SB-1@15'	10/30/2003	15.0	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.1	--	--
SB-2@15'	10/30/2003	10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4	ND<50
SB-3@5'	10/30/2003	5.0	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.1	--	--
SB-4@5'	10/30/2003	5.0	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.027	0.064	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.1	--	--
SB-5@5'	10/30/2003	5.0	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.016	0.042	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.1	--	--
PRG				1.3	520	20	420		160								
ESL				100	0.044	2.9	3.3	1.5	0.073	0.023							750

Notes:	¹ Detection limit is above the respective PRG or ESL.		
TPPH	= total purgeable petroleum hydrocarbons	TBA	= t-butyl alcohol
O&G	= oil and grease (petroleum)	mg/kg	= milligrams per kilogram
MTBE	= methyl tertiary butyl ether	ug/kg	= micrograms per kilogram
DIPE	= di-isopropyl ether	ND	= non detect above the Method Detection Limit
ETBE	= ethyl t-butyl ether	fbg	= feet below grade
TAME	= t-amyl methyl ether	--	= not analyzed, measured, or collected
1,2 DCA	= 1,2 dichloroethane	PRG	= Preliminary Remedial Goals, Industrial Soil (EPA, 2002)
EDB	= ethylene dibromide	ESL	= Tier 1 Environmental Screening Levels for shallow impacted industrial soils above groundwater that is a current or potential source of drinking water (SFRWQCB, 2003)
*The soils data in this table were provided by the analytical laboratory in units of ug/kg, and have been converted to mg/kg for presentation. The level of precision shown may differ from that intended by the laboratory.			

Table 2

RESULTS OF LABORATORY ANALYSIS OF GROUNDWATER SAMPLES ²
76 Station 6034

Sample Number	Sample Date	Depth (fbg)	TPPH	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	Lead	Oil & Grease
			(ug/L) EPA 8260B	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(mg/L) Method 6010B
SB-1	10/30/2003	na	ND<50	ND<0.50	1.4	0.93	3.1	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--
SB-2	10/30/2003	na	--	--	--	--	--	--	--	--	--	--	--	--	--	0.21	ND<1.0
SB-3	10/30/2003	na	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<100	13.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--
SB-4	10/30/2003	na	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--
SB-5	10/30/2003	na	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--
MW-1	11/4/2003	na	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	0.067	ND<1.0
MW-2	11/4/2003	na	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--
MW-3	11/4/2003	na	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--
MW-4	11/4/2003	na	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--
MW-5	11/4/2003	na	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--
MCL				1	150	300	1,750		13							0.015	
ESL			100	1	40	30	13	12	5							0.0025	

Notes:	¹ Detection limit is above respective PRG or ESL.		
	² Monitoring wells MW-6 and MW-7 were not sampled. MW-6 was inaccessible and MW-7 was dry.		
TPPH	= total purgeable petroleum hydrocarbons	TBA	= t-butyl alcohol
O&G	= oil and grease (petroleum)	mg/L	= milligrams per liter
MTBE	= methyl tertiary butyl ether	ug/L	= micrograms per liter
DIPE	= di-isopropyl ether	ND	= non detect above the Method Detection Limit
ETBE	= ethyl t-butyl ether	fbg	= feet below grade
TAME	= t-amyl methyl ether	--	= not analyzed, measured, or collected
1,2 DCA	= 1,2 dichloroethane	MCL	= Maximum Contaminant Levels in Drinking Water (CCR, Title 22, Chapter 15, 2003)
EDB	= ethylene dibromide	ESL	= Tier 1 Environmental Screening Level for groundwater that is a current or potential source of drinking water beneath shallow impacted soil (SFRWQCB, 2003)
na	= not applicable		

SECTION 4

GENERAL FIELD PROCEDURES

A description of the general field procedures used during site investigation and monitoring activities is presented below. For an overview of protocol, refer to the appropriate section(s).

DRILLING AND SOIL SAMPLING

Soil borings are drilled using continuous-flight, hollow-stem augers. Borings that are not completed as monitoring wells are grouted to within 5 feet of the ground surface with a cement/bentonite slurry. The remaining 5 feet is filled with concrete.

Soil samples are obtained for soil description, field hydrocarbon vapor screening, and possible laboratory analysis. Soil samples are retrieved from the borings by one of two methods: 1) continuously, using a 5-foot-long, continuous-core barrel sampler advanced into the soil with the lead auger; sample tubes are driven into the core with a mallet, or 2) at 2.5- or 5-foot intervals, using a standard split-spoon sampler lined with four 1.5-inch-diameter stainless steel or brass sample inserts. The split-spoon sampler is driven approximately 18 inches beyond the lead auger with a 140-pound hammer dropped from a height of 30 inches.

For hand auger borings and hand-held, power-driven auger borings, soil samples are retrieved using a hand-driven slide hammer lined with a 1.5-inch-diameter stainless steel sample tube.

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 plastic bag is filled approximately 1/3 full with the soil sample, sealed, and shaken. The probe is then inserted through a small opening in the bag, and a reading is taken after approximately 15 seconds and recorded on the boring log. The remaining soil recovered is removed from the bag 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 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 degrees Celsius for possible future testing.

MONITORING WELL INSTALLATION

Monitoring wells are constructed of 4-inch-diameter, flush-threaded Schedule 40 PVC blank and screened (0.020-inch slot size) casing. Where possible, the screened interval will extend at least 10 feet above, and 10 to 20 feet below, the top of the groundwater table. The annular space surrounding the screened casing is backfilled with No. 3 Monterey sand (filter pack) to approximately 2 feet above the top of the screened section.

During well construction, the filter pack is completed by surging with a rig-mounted surge block. A 3-foot-thick bentonite annular seal is placed above the filter pack. The remaining annular space is grouted with Portland cement and/or bentonite grout to the surface. Utility access boxes are installed slightly above grade. Locking, watertight caps are installed to prevent unauthorized access to the well, and limit infiltration of surface fluids.

FLUID LEVEL MONITORING

Fluid levels are monitored in the wells using an electronic interface probe with conductance sensors. The presence of liquid-phase hydrocarbons is verified using a hydrocarbon-reactive paste. The depth to liquid-phase hydrocarbons and water is measured relative to the well box top or top of casing. Well boxes or casing elevations are surveyed to within 0.02 foot relative to a county or city bench mark.

GROUNDWATER PURGING AND SAMPLING

Groundwater monitoring wells are purged and sampled in accordance with standard regulatory protocol. Typically, monitoring wells that contain no liquid-phase hydrocarbons are purged of groundwater prior to sampling so that fluids sampled are representative of fluids within the formation. Temperature, pH, and specific conductance are typically measured after each well casing volume has been removed. Purging is considered complete when these parameters vary less than 10% from the previous readings, or when four casing volumes of fluid have been removed. Samples are collected without further purging if the well does not recharge within 2 hours to 80% of its volume before purging.

The purged water is either pumped directly into a licensed vacuum truck or temporarily stored in labeled drums prior to transport to an appropriate treatment or recycling facility. If an automatic recovery system (ARS) is operating at the site, purged water may be pumped into the ARS for treatment.

Groundwater samples are collected by lowering a 1.5-inch-diameter, bottom-fill, disposable polyethylene bailer just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to 1-liter and 40-milliliter glass containers. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials. Samples remain chilled at approximately 4°C prior to analysis by a state-certified laboratory.

CHAIN OF CUSTODY PROTOCOL

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

DECONTAMINATION

Drilling and Soil Sampling

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 Sampling

Purging and sampling equipment that could contact well fluids is either dedicated to a particular well or cleaned prior to each use in a Liqui-nox solution followed by two tap water rinses.

A description of the general field procedures used during the site investigation is presented below. For an overview of protocol, refer to the appropriate section(s).

PROJECT NO.: 41-0103-01
 CLIENT: ConocoPhillips
 LOCATION: 76 Service Station #6034
 4700 First Street, Livermore, California

DATE DRILLED: 10/30/03
 LOGGED BY: M. Trevor
 APPROVED BY: B.A. Moed, RG
 DRILLING CO.: Fisch

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 1.5-inch Geoprobe	USCS	LITHOLOGY	BORING BACKFILL DETAIL
					SAMPLER TYPE: Continuous-Core Barrel			
				0	Hand augered to 5'. SILTY GRAVEL WITH SAND (GM): Brown (10YR 4/3), 30 % slightly plastic fines, 20% fine to medium sand, 50% medium subangular gravel, loose, moist.	GM		
0		2/2		5	SILT (ML): Dark greenish gray (GLEY2 4/1) with orange mottles, 90% slightly plastic fines, 10% fine to medium sand, medium stiff, moist.	ML		Grout
0		2/2		10	CLAY (CL): Dark greenish gray (GLEY2 4/1), 90% plastic fines, 10% fine sand, medium stiff, moist.	CL		
0.1		2/2		15	SILTY GRAVEL WITH SAND (GM): Dark grayish brown (2.5Y 4/2), 20% slightly plastic fines, 30% fine to medium sand, 50% fine to medium subangular gravel, loose, wet.	GM		
0		2/2		20				
				25				
				30				
				35				
				40				



LOG OF EXPLORATORY BORING

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 4700 First Street, Livermore, California

DATE DRILLED: 10/30/03
 LOGGED BY: M. Trevor
 APPROVED BY: B.A. Moed, RG
 DRILLING CO.: Fisch

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 1.5-inch Geoprobe	USCS	LITHOLOGY	BORING BACKFILL DETAIL
					SAMPLER TYPE: Continuous-Core Barrel			
				0	Hand augered to 5'.			
				0	SILTY GRAVEL WITH SAND (GM): Brown (10YR 4/3), 30 % slightly plastic fines, 20% fine to medium sand, 50% medium subangular gravel, loose, moist.	GM		
0	2/2			5	SILT (ML): Dark greenish gray (GLE Y2 4/1) with orange mottles, 90% slightly plastic fines, 10% fine to medium sand, medium stiff, moist.	ML		Grout
0.2	2/2			10	CLAY (CL): Dark greenish gray (GLE Y2 4/1), 90 % plastic fines, 10% fine sand, medium stiff, moist.	CL		
0.1	2/2			15	SILTY GRAVEL WITH SAND (GM): Dark grayish brown (2.5Y 4/2), 20% slightly plastic fines, 30% fine to medium sand, 50 % fine to medium subangular gravel, loose, wet.	GM		
				20				
				25				
				30				
				35				
				40				



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 LOGGED BY: M. Trevor
 APPROVED BY: B.A. Moed, RG
 DRILLING CO.: Fisch

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 1.5-inch Geoprobe SAMPLER TYPE: Continuous-Core Barrel TOTAL DEPTH: 20.0 feet DEPTH TO WATER: 15.4 feet		USCS	LITHOLOGY	BORING BACKFILL DETAIL
					DESCRIPTION				
				0	Hand augered to 5'				
				0-5	SILTY GRAVEL WITH SAND (GM): Brown (10YR 4/3), 30 % slightly plastic fines, 20% fine to medium sand, 50 % medium subangular gravel, loose, moist.		GM		
0		2/2		5-10	SILT (ML): Dark greenish gray (GLEY2 4/1) with orange mottles, 90% slightly plastic fines, 10% fine to medium sand, medium stiff, moist.		ML		Grout
0.6		2/2		10-15	CLAY (CL): Dark greenish gray (GLEY2 4/1), 90 % plastic fines, 10% fine sand, medium stiff, moist.		CL		
0.2		1.5/2		15-16	SILTY SAND (SM): Greenish gray (GLEY2 5/1), 30 % nonplastic fines, 70% fine to medium sand, loose, moist.		SM		
				16-20	SILTY GRAVEL WITH SAND (GM): Dark grayish brown (2.5Y 4/2), 20% slightly plastic fines, 30 % fine to medium sand, 50 % fine to medium subangular gravel, loose, wet.		GM		
				20-40					



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 LOGGED BY: M. Trevor
 APPROVED BY: B.A. Moed, RG
 DRILLING CO.: Fisch

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 1.5-inch Geoprobe SAMPLER TYPE: Continuous-Core Barrel TOTAL DEPTH: 20.0 feet DEPTH TO WATER: 15.4 feet		USCS	LITHOLOGY	BORING BACKFILL DETAIL	
					DESCRIPTION					
				0	Hand augered to 5'. Concrete.		Con-crete			
				0-5	SILTY GRAVEL WITH SAND (GM): Brown (10YR 4/3), 30 % slightly plastic fines, 20% fine to medium sand, 50 % medium subangular gravel, loose, moist.		GM			
>100		1.5/2		5	SILT (ML): Dark greenish gray (GLEY2 4/1) with orange mottles, 90% slightly plastic fines, 10% fine to medium sand, medium stiff, moist.		ML			Grout
16		2/2		10	CLAY (CL): Dark greenish gray (GLEY2 4/1), 90 % plastic fines, 10% fine sand, medium stiff, moist.		CL			
				10-15	SILTY SAND (SM): Greenish gray (GLEY2 5/1), 30 % nonplastic fines, 70% fine to medium sand, loose, moist.		SM			
3		2/2		15						
				15-20	SILTY GRAVEL WITH SAND (GM): Dark grayish brown (2.5Y 4/2), 20% slightly plastic fines, 30% fine to medium sand, 50 % fine to medium subangular gravel, loose, wet.		GM			
				20-40						



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 LOGGED BY: M. Trevor
 APPROVED BY: B.A. Moed, RG
 DRILLING CO.: Fisch

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 1.5-inch Geoprobe	USCS	LITHOLOGY	BORING BACKFILL DETAIL
					SAMPLER TYPE: Continuous-Core Barrel			
26	2/2		█	0	Hand augered to 5'. Concrete.	Con-crete	[Concrete pattern]	0
				5	SILTY GRAVEL WITH SAND (GM): Brown (10YR 4/3), 30 % slightly plastic fines, 20% fine to medium sand, 50 % medium subangular gravel, loose, moist.	GM		
7	2/2		█	5	SILT (ML): Dark greenish gray (GLE Y2 4/1) with orange mottles, 90% slightly plastic fines, 10% fine to medium sand, medium stiff, moist.	ML	[ML pattern]	5
				10	CLAY (CL): Dark greenish gray (GLE Y2 4/1), 90 % plastic fines, 10% fine sand, medium stiff, moist.	CL	[CL pattern]	
0.1	2/2		█	10	SILTY SAND (SM): Greenish gray (GLE Y2 5/1), 30 % nonplastic fines, 70% fine to medium sand, loose, moist.	SM	[SM pattern]	10
				15	SILTY GRAVEL WITH SAND (GM): Dark grayish brown (2.5Y 4/2), 20% slightly plastic fines, 30% fine to medium sand, 50 % fine to medium subangular gravel, loose, wet.	GM	[GM pattern]	
				15			[Water table symbol]	15
				20				20
				25				25
				30				30
				35				35
				40				40



LOG OF EXPLORATORY BORING

SECTION 5

TRC/Alton Geoscience

November 18, 2003

5052 Commercial Circle
Concord, CA 94520

Attn.: Anju Farfan

Project#: 42010301

Project: Conoco Phillips # 6034

Site: 4700 First Street, Livermore CA

Dear Ms. Farfan:

Attached is our report for your samples received on 11/03/2003 15:03

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 12/18/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager

Oil & Grease (Petroleum) by EPA 1664

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-2@15`	10/30/2003 09:40	Soil	2

Oil & Grease (Petroleum) by EPA 1664

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Prep(s):	1664	Test(s):	1664
Sample ID:	SB-2@15'	Lab ID:	2003-11-0095 - 2
Sampled:	10/30/2003 09:40	Extracted:	11/5/2003 00:00
Matrix:	Soil	QC Batch#:	2003/11/05-01.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (Petroleum)	ND	50	mg/Kg	1.00	11/06/2003	

Oil & Grease (Petroleum) by EPA 1664

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Batch QC Report

Prep(s): 1664

Test(s): 1664

Method Blank

Soil

QC Batch # 2003/11/05-01.23

MB: 2003/11/05-01.23-001

Date Extracted: 11/05/2003

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (Petroleum)	ND	50	mg/Kg	11/05/2003	

Oil & Grease (Petroleum) by EPA 1664

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Batch QC Report										
Prep(s): 1664						Test(s): 1664				
Laboratory Control Spike			Soil			QC Batch # 2003/11/05-01.23				
LCS	2003/11/05-01.23-002		Extracted: 11/05/2003			Analyzed: 11/05/2003				
LCSD	2003/11/05-01.23-003		Extracted: 11/05/2003			Analyzed: 11/05/2003				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil & Grease (Petroleum)	400	392	400	100.0	98.0	2.0	66-114	20		

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-1	10/30/2003 09:00	Water	6
SB-3	10/30/2003 11:00	Water	8
SB-4	10/30/2003 12:00	Water	9
SB-5	10/30/2003 13:00	Water	10

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-1	Lab ID:	2003-11-0095 - 6
Sampled:	10/30/2003 09:00	Extracted:	11/6/2003 20:12
Matrix:	Water	QC Batch#:	2003/11/06-1C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/06/2003 20:12	
Benzene	ND	0.50	ug/L	1.00	11/06/2003 20:12	
Toluene	1.4	0.50	ug/L	1.00	11/06/2003 20:12	
Ethylbenzene	0.93	0.50	ug/L	1.00	11/06/2003 20:12	
Total xylenes	3.1	1.0	ug/L	1.00	11/06/2003 20:12	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	11/06/2003 20:12	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	11/06/2003 20:12	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	11/06/2003 20:12	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	11/06/2003 20:12	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	11/06/2003 20:12	
1,2-DCA	ND	2.0	ug/L	1.00	11/06/2003 20:12	
EDB	ND	2.0	ug/L	1.00	11/06/2003 20:12	
Ethanol	ND	500	ug/L	1.00	11/06/2003 20:12	
Surrogate(s)						
1,2-Dichloroethane-d4	100.5	76	%	1.00	11/06/2003 20:12	
Toluene-d8	97.7	88	%	1.00	11/06/2003 20:12	

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-3	Lab ID:	2003-11-0095 - 8
Sampled:	10/30/2003 11:00	Extracted:	11/6/2003 21:45
Matrix:	Water	QC Batch#:	2003/11/06-2B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/06/2003 21:45	
Benzene	ND	0.50	ug/L	1.00	11/06/2003 21:45	
Toluene	ND	0.50	ug/L	1.00	11/06/2003 21:45	
Ethylbenzene	ND	0.50	ug/L	1.00	11/06/2003 21:45	
Total xylenes	ND	1.0	ug/L	1.00	11/06/2003 21:45	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	11/06/2003 21:45	
Methyl tert-butyl ether (MTBE)	13	2.0	ug/L	1.00	11/06/2003 21:45	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	11/06/2003 21:45	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	11/06/2003 21:45	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	11/06/2003 21:45	
1,2-DCA	ND	2.0	ug/L	1.00	11/06/2003 21:45	
EDB	ND	2.0	ug/L	1.00	11/06/2003 21:45	
Ethanol	ND	500	ug/L	1.00	11/06/2003 21:45	
Surrogate(s)						
1,2-Dichloroethane-d4	99.6	76	%	1.00	11/06/2003 21:45	
Toluene-d8	97.4	88	%	1.00	11/06/2003 21:45	

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-4	Lab ID:	2003-11-0095 - 9
Sampled:	10/30/2003 12:00	Extracted:	11/6/2003 22:08
Matrix:	Water	QC Batch#:	2003/11/06-2B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/06/2003 22:08	
Benzene	ND	0.50	ug/L	1.00	11/06/2003 22:08	
Toluene	ND	0.50	ug/L	1.00	11/06/2003 22:08	
Ethylbenzene	ND	0.50	ug/L	1.00	11/06/2003 22:08	
Total xylenes	ND	1.0	ug/L	1.00	11/06/2003 22:08	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	11/06/2003 22:08	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	11/06/2003 22:08	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	11/06/2003 22:08	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	11/06/2003 22:08	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	11/06/2003 22:08	
1,2-DCA	ND	2.0	ug/L	1.00	11/06/2003 22:08	
EDB	ND	2.0	ug/L	1.00	11/06/2003 22:08	
Ethanol	ND	500	ug/L	1.00	11/06/2003 22:08	
Surrogate(s)						
1,2-Dichloroethane-d4	96.0	76	%	1.00	11/06/2003 22:08	
Toluene-d8	99.0	88	%	1.00	11/06/2003 22:08	

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-5	Lab ID:	2003-11-0095 - 10
Sampled:	10/30/2003 13:00	Extracted:	11/6/2003 22:31
Matrix:	Water	QC Batch#:	2003/11/06-2B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/06/2003 22:31	
Benzene	ND	0.50	ug/L	1.00	11/06/2003 22:31	
Toluene	ND	0.50	ug/L	1.00	11/06/2003 22:31	
Ethylbenzene	ND	0.50	ug/L	1.00	11/06/2003 22:31	
Total xylenes	ND	1.0	ug/L	1.00	11/06/2003 22:31	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	11/06/2003 22:31	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	11/06/2003 22:31	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	11/06/2003 22:31	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	11/06/2003 22:31	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	11/06/2003 22:31	
1,2-DCA	ND	2.0	ug/L	1.00	11/06/2003 22:31	
EDB	ND	2.0	ug/L	1.00	11/06/2003 22:31	
Ethanol	ND	500	ug/L	1.00	11/06/2003 22:31	
Surrogate(s)						
1,2-Dichloroethane-d4	94.2	76	%	1.00	11/06/2003 22:31	
Toluene-d8	98.6	88	%	1.00	11/06/2003 22:31	

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/11/06-1C.65-011

Water

Test(s): 8260B

QC Batch # 2003/11/06-1C.65

Date Extracted: 11/06/2003 10:11

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/06/2003 10:11	
tert-Butyl alcohol (TBA)	ND	100	ug/L	11/06/2003 10:11	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	11/06/2003 10:11	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	11/06/2003 10:11	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	11/06/2003 10:11	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	11/06/2003 10:11	
1,2-DCA	ND	2.0	ug/L	11/06/2003 10:11	
EDB	ND	2.0	ug/L	11/06/2003 10:11	
Benzene	ND	0.5	ug/L	11/06/2003 10:11	
Toluene	ND	0.5	ug/L	11/06/2003 10:11	
Ethylbenzene	ND	0.5	ug/L	11/06/2003 10:11	
Total xylenes	ND	1.0	ug/L	11/06/2003 10:11	
Ethanol	ND	500	ug/L	11/06/2003 10:11	
Surrogates(s)					
1,2-Dichloroethane-d4	98.5	76-114	%	11/06/2003 10:11	
Toluene-d8	92.4	88-110	%	11/06/2003 10:11	

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2003/11/06-2B.65

MB: 2003/11/06-2B.65-021

Date Extracted: 11/06/2003 21:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/06/2003 21:21	
tert-Butyl alcohol (TBA)	ND	100	ug/L	11/06/2003 21:21	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	11/06/2003 21:21	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	11/06/2003 21:21	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	11/06/2003 21:21	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	11/06/2003 21:21	
1,2-DCA	ND	2.0	ug/L	11/06/2003 21:21	
EDB	ND	2.0	ug/L	11/06/2003 21:21	
Benzene	ND	0.5	ug/L	11/06/2003 21:21	
Toluene	ND	0.5	ug/L	11/06/2003 21:21	
Ethylbenzene	ND	0.5	ug/L	11/06/2003 21:21	
Total xylenes	ND	1.0	ug/L	11/06/2003 21:21	
Ethanol	ND	500	ug/L	11/06/2003 21:21	
Surrogates(s)					
1,2-Dichloroethane-d4	94.8	76-114	%	11/06/2003 21:21	
Toluene-d8	95.6	88-110	%	11/06/2003 21:21	

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2003/11/06-1C.65				
LCS	2003/11/06-1C.65-024		Extracted: 11/06/2003			Analyzed: 11/06/2003 09:24				
LCSD	2003/11/06-1C.65-048		Extracted: 11/06/2003			Analyzed: 11/06/2003 09:48				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.2	26.0	25	104.8	104.0	0.8	65-165	20		
Benzene	26.0	26.9	25	104.0	107.6	3.4	69-129	20		
Toluene	26.1	25.5	25	104.4	102.0	2.3	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	464	489	500	92.8	97.8		76-114			
Toluene-d8	489	476	500	97.8	95.2		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2003/11/06-2B.65

LCS 2003/11/06-2B.65-036

Extracted: 11/06/2003

Analyzed: 11/06/2003 20:36

LCSD 2003/11/06-2B.65-058

Extracted: 11/06/2003

Analyzed: 11/06/2003 20:58

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.9	26.2	25	103.6	104.8	1.2	65-165	20		
Benzene	24.4	26.6	25	97.6	106.4	8.6	69-129	20		
Toluene	23.6	25.4	25	94.4	101.6	7.3	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	475	438	500	95.0	87.6		76-114			
Toluene-d8	489	485	500	97.8	97.0		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-1@15`	10/30/2003 08:20	Soil	1
SB-3@5`	10/30/2003 10:25	Soil	3
SB-4@5`	10/30/2003 11:25	Soil	4
SB-5@5`	10/30/2003 12:30	Soil	5

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-1@15'	Lab ID:	2003-11-0095 - 1
Sampled:	10/30/2003 08:20	Extracted:	11/5/2003 15:21
Matrix:	Soil	QC Batch#:	2003/11/05-01.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	11/05/2003 15:21	
Benzene	ND	5.0	ug/Kg	1.00	11/05/2003 15:21	
Toluene	ND	5.0	ug/Kg	1.00	11/05/2003 15:21	
Ethyl benzene	ND	5.0	ug/Kg	1.00	11/05/2003 15:21	
Total xylenes	ND	5.0	ug/Kg	1.00	11/05/2003 15:21	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	11/05/2003 15:21	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	11/05/2003 15:21	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	11/05/2003 15:21	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	11/05/2003 15:21	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	11/05/2003 15:21	
1,2-DCA	ND	5.0	ug/Kg	1.00	11/05/2003 15:21	
EDB	ND	5.0	ug/Kg	1.00	11/05/2003 15:21	
Ethanol	ND	100	ug/Kg	1.00	11/05/2003 15:21	
Surrogate(s)						
1,2-Dichloroethane-d4	94.9	70	%	1.00	11/05/2003 15:21	
Toluene-d8	104.2	81	%	1.00	11/05/2003 15:21	

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-3@5	Lab ID:	2003-11-0095 - 3
Sampled:	10/30/2003 10:25	Extracted:	11/5/2003 15:45
Matrix:	Soil	QC Batch#:	2003/11/05-01.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	11/05/2003 15:45	
Benzene	ND	5.0	ug/Kg	1.00	11/05/2003 15:45	
Toluene	ND	5.0	ug/Kg	1.00	11/05/2003 15:45	
Ethyl benzene	ND	5.0	ug/Kg	1.00	11/05/2003 15:45	
Total xylenes	ND	5.0	ug/Kg	1.00	11/05/2003 15:45	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	11/05/2003 15:45	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	11/05/2003 15:45	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	11/05/2003 15:45	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	11/05/2003 15:45	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	11/05/2003 15:45	
1,2-DCA	ND	5.0	ug/Kg	1.00	11/05/2003 15:45	
EDB	ND	5.0	ug/Kg	1.00	11/05/2003 15:45	
Ethanol	ND	100	ug/Kg	1.00	11/05/2003 15:45	
Surrogate(s)						
1,2-Dichloroethane-d4	94.2	70	%	1.00	11/05/2003 15:45	
Toluene-d8	103.5	81	%	1.00	11/05/2003 15:45	

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-4@5	Lab ID:	2003-11-0095 - 4
Sampled:	10/30/2003 11:25	Extracted:	11/5/2003 16:09
Matrix:	Soil	QC Batch#:	2003/11/05-01.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	11/05/2003 16:09	
Benzene	ND	5.0	ug/Kg	1.00	11/05/2003 16:09	
Toluene	ND	5.0	ug/Kg	1.00	11/05/2003 16:09	
Ethyl benzene	ND	5.0	ug/Kg	1.00	11/05/2003 16:09	
Total xylenes	ND	5.0	ug/Kg	1.00	11/05/2003 16:09	
tert-Butyl alcohol (TBA)	27	10	ug/Kg	1.00	11/05/2003 16:09	
Methyl tert-butyl ether (MTBE)	64	5.0	ug/Kg	1.00	11/05/2003 16:09	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	11/05/2003 16:09	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	11/05/2003 16:09	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	11/05/2003 16:09	
1,2-DCA	ND	5.0	ug/Kg	1.00	11/05/2003 16:09	
EDB	ND	5.0	ug/Kg	1.00	11/05/2003 16:09	
Ethanol	ND	100	ug/Kg	1.00	11/05/2003 16:09	
Surrogate(s)						
1,2-Dichloroethane-d4	92.4	70	%	1.00	11/05/2003 16:09	
Toluene-d8	104.5	81	%	1.00	11/05/2003 16:09	

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-5@5'	Lab ID:	2003-11-0095 - 5
Sampled:	10/30/2003 12:30	Extracted:	11/5/2003 16:33
Matrix:	Soil	QC Batch#:	2003/11/05-01.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	11/05/2003 16:33	
Benzene	ND	5.0	ug/Kg	1.00	11/05/2003 16:33	
Toluene	ND	5.0	ug/Kg	1.00	11/05/2003 16:33	
Ethyl benzene	ND	5.0	ug/Kg	1.00	11/05/2003 16:33	
Total xylenes	ND	5.0	ug/Kg	1.00	11/05/2003 16:33	
tert-Butyl alcohol (TBA)	16	10	ug/Kg	1.00	11/05/2003 16:33	
Methyl tert-butyl ether (MTBE)	42	5.0	ug/Kg	1.00	11/05/2003 16:33	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	11/05/2003 16:33	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	11/05/2003 16:33	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	11/05/2003 16:33	
1,2-DCA	ND	5.0	ug/Kg	1.00	11/05/2003 16:33	
EDB	ND	5.0	ug/Kg	1.00	11/05/2003 16:33	
Ethanol	ND	100	ug/Kg	1.00	11/05/2003 16:33	
Surrogate(s)						
1,2-Dichloroethane-d4	88.8	70	%	1.00	11/05/2003 16:33	
Toluene-d8	103.1	81	%	1.00	11/05/2003 16:33	

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/11/05-01.66-012

Soil

Test(s): 8260B

QC Batch # 2003/11/05-01.66

Date Extracted: 11/05/2003 10:12

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	11/05/2003 10:12	
Benzene	ND	5.0	ug/Kg	11/05/2003 10:12	
Toluene	ND	5.0	ug/Kg	11/05/2003 10:12	
Ethyl benzene	ND	5.0	ug/Kg	11/05/2003 10:12	
Total xylenes	ND	5.0	ug/Kg	11/05/2003 10:12	
tert-Butyl alcohol (TBA)	ND	10.0	ug/Kg	11/05/2003 10:12	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	11/05/2003 10:12	
Di-isopropyl Ether (DIPE)	ND	10.0	ug/Kg	11/05/2003 10:12	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	11/05/2003 10:12	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	11/05/2003 10:12	
1,2-DCA	ND	5.0	ug/Kg	11/05/2003 10:12	
EDB	ND	5.0	ug/Kg	11/05/2003 10:12	
Ethanol	ND	100	ug/Kg	11/05/2003 10:12	
Surrogates(s)					
1,2-Dichloroethane-d4	99.2	70-121	%	11/05/2003 10:12	
Toluene-d8	103.9	81-117	%	11/05/2003 10:12	

Gas/BTEX Fuel Oxygenates by 8260B

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Batch QC Report			
Prep(s): 5030B		Test(s): 8260B	
Laboratory Control Spike		Soil	
QC Batch # 2003/11/05-01.66			
LCS	2003/11/05-01.66-024	Extracted: 11/05/2003	Analyzed: 11/05/2003 09:24
LCSD	2003/11/05-01.66-048	Extracted: 11/05/2003	Analyzed: 11/05/2003 09:48

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	43.4	42.8	50.0	86.8	85.6	1.4	69-129	20		
Toluene	46.4	49.4	50.0	92.8	98.8	6.3	70-130	20		
Methyl tert-butyl ether (MTBE)	49.8	48.5	50.0	99.6	97.0	2.6	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	472	481	500	94.4	96.2		70-121			
Toluene-d8	512	519	500	102.4	103.8		81-117			

Oil & Grease (Petroleum) by EPA 1664

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-2	10/30/2003 10:00	Water	7

Oil & Grease (Petroleum) by EPA 1664

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Prep(s):	1664	Test(s):	1664
Sample ID:	SB-2	Lab ID:	2003-11-0095 - 7
Sampled:	10/30/2003 10:00	Extracted:	11/7/2003 00:00
Matrix:	Water	QC Batch#:	2003/11/07-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil and Grease (Petroleum)	ND	1.0	mg/L	1.00	11/10/2003	

Oil & Grease (Petroleum) by EPA 1664

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Batch QC Report

Prep(s): 1664

Method Blank

MB: 2003/11/07-02.23-001

Water

Test(s): 1664

QC Batch # 2003/11/07-02.23

Date Extracted: 11/07/2003

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil and Grease (Petroleum)	ND	1	mg/L	11/10/2003	

Oil & Grease (Petroleum) by EPA 1664

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Batch QC Report										
Prep(s): 1664						Test(s): 1664				
Laboratory Control Spike			Water			QC Batch # 2003/11/07-02.23				
LCS	2003/11/07-02.23-002		Extracted: 11/07/2003			Analyzed: 11/10/2003				
LCSD	2003/11/07-02.23-003		Extracted: 11/07/2003			Analyzed: 11/10/2003				
Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil and Grease (Petroleum)	19.1	19.2	20.0	95.5	96.0	0.5	66-114	24		

Metals

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-2@15`	10/30/2003 09:40	Soil	2
SB-2	10/30/2003 10:00	Water	7

Metals

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	SB-2@15'	Lab ID:	2003-11-0095 - 2
Sampled:	10/30/2003 09:40	Extracted:	11/4/2003 13:48
Matrix:	Soil	QC Batch#:	2003/11/04-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	4.4	1.0	mg/Kg	1.00	11/11/2003 11:21	

Metals

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Prep(s):	3010A	Test(s):	6010B
Sample ID:	SB-2	Lab ID:	2003-11-0095 - 7
Sampled:	10/30/2003 10:00	Extracted:	11/5/2003 07:42
Matrix:	Water	QC Batch#:	2003/11/05-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	0.21	0.0050	mg/L	1.00	11/17/2003 21:25	

Metals

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Batch QC Report

Prep(s): 3050B

Method Blank

MB: 2003/11/04-04.15-027

Soil

Test(s): 6010B

QC Batch # 2003/11/04-04.15

Date Extracted: 11/04/2003 13:48

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	11/11/2003 08:58	

Metals

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Batch QC Report

Prep(s): 3010A

Test(s): 6010B

Method Blank

Water

QC Batch # 2003/11/05-02.15

MB: 2003/11/05-02.15-123

Date Extracted: 11/05/2003 07:42

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	0.0050	mg/L	11/17/2003 21:02	

Metals

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Batch QC Report										
Prep(s): 3050B					Test(s): 6010B					
Laboratory Control Spike			Soil			QC Batch # 2003/11/04-04.15				
LCS	2003/11/04-04.15-028		Extracted: 11/04/2003			Analyzed: 11/11/2003 09:04				
LCSD	2003/11/04-04.15-029		Extracted: 11/04/2003			Analyzed: 11/11/2003 09:08				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	92.7	96.8	100.0	92.7	96.8	4.3	80-120	20		

Metals

TRC/Alton Geoscience

Attn.: Anju Farfan

5052 Commercial Circle

Concord, CA 94520

Phone: (949) 341-7440 Fax: () -

Project: 42010301

Conoco Phillips # 6034

Received: 11/03/2003 15:03

Site: 4700 First Street, Livermore CA

Batch QC Report									
Prep(s): 3010A					Test(s): 6010B				
Laboratory Control Spike			Water			QC Batch # 2003/11/05-02.15			
LCS	2003/11/05-02.15-124		Extracted: 11/05/2003			Analyzed: 11/17/2003 21:07			
LCSD	2003/11/05-02.15-125		Extracted: 11/05/2003			Analyzed: 11/17/2003 21:11			

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	0.494	0.491	0.500	98.8	98.2	0.6	80-120	20		



2003-11-0095

ConocoPhillips Chain Of Custody Record

79788

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

ConocoPhillips Site Manager: INVOICE REMITTANCE ADDRESS: <i>TN' 5046</i>	CONOCOPHILLIPS 600 N. Dairy Ashford Houston TX 77019-1175	ConocoPhillips Work Order Number <i>WNO 1525</i>	DATE: <i>10/31/03</i>
		ConocoPhillips Cost Object	PAGE: <i>#1</i> of <i>2</i>

SAMPLING COMPANY: <i>TRC</i>	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER <i>6034</i>	GLOBAL ID NO.:
ADDRESS: <i>5052 Commercial Cir. Concord CA</i>		SITE ADDRESS (Street and City): <i>4700 First Street, Livermore CA</i>	CONOCOPHILLIPS SITE MANAGER: <i>Dave Dowitt</i>
PROJECT CONTACT (Hardcopy or PDF Report to): <i>Buchara Moed bmoed@trcsolutions.com</i>		EDF DELIVERABLE TO (RP or Designee):	PHONE NO.:
TELEPHONE: <i>925/688-1200</i>	FAX: <i>925/688-0588</i>	E-MAIL:	LAB USE ONLY
SAMPLER NAME(S) (Print): <i>Mark Trevor</i>	CONSULTANT PROJECT NUMBER <i>B. 1111 42010301</i>		

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
cc report to mtrevor@trcsolutions.com

* Field Point name only required if different from Sample ID

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING		MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MIBE	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/MIBE	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> DTCLP	8260 Combo: TPH, BTEX oxygenates + ethane	TRPH 1664	Total lead 6010	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes <i>2.0</i>	TEMPERATURE ON RECEIPT °C
		DATE	TIME															
	<i>SB-1 @ 15'</i>	<i>10/30</i>	<i>0820</i>	<i>S</i>	<i>1</i>								<input checked="" type="checkbox"/>					
	<i>SB-2 @ 15'</i>		<i>0940</i>	<i> </i>	<i> </i>									<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
	<i>SB-3 @ 5'</i>		<i>1025</i>	<i> </i>	<i> </i>								<input checked="" type="checkbox"/>					
	<i>SB-4 @ 5'</i>		<i>1125</i>	<i> </i>	<i> </i>								<input checked="" type="checkbox"/>					
	<i>SB-5 @ 5'</i>		<i>1230</i>	<i>↓</i>	<i>↓</i>								<input checked="" type="checkbox"/>					
	<i>SB-1</i>		<i>0900</i>	<i>W</i>	<i>3</i>								<input checked="" type="checkbox"/>					
	<i>SB-2</i>		<i>1000</i>	<i> </i>	<i>2</i>									<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
	<i>SB-3</i>		<i>1100</i>	<i> </i>	<i>3</i>								<input checked="" type="checkbox"/>					
	<i>SB-4</i>		<i>1200</i>	<i> </i>	<i>3</i>								<input checked="" type="checkbox"/>					
	<i>SB-5</i>		<i>1300</i>	<i>↓</i>	<i>3</i>								<input checked="" type="checkbox"/>					

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: <i>11/03/03</i>	Time: <i>150J</i>
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

ConocoPhillips Chain Of Custody Record

79788

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

ConocoPhillips Site Manager:
 INVOICE REMITTANCE ADDRESS: **Andrew Slow**
 CONOCOPHILLIPS

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE: 10/31/03

PAGE: 2 of 2

SAMPLING COMPANY: <u>TRC</u>	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: <u>6034</u>	GLOBAL ID NO.:
ADDRESS: <u>5052 Commercial Cir. Concord CA</u>	SITE ADDRESS (Street and City): <u>4700 First Street., Livermore CA</u>	CONOCOPHILLIPS SITE MANAGER: <u>Dave DeWitt</u>	
PROJECT CONTACT (Hardcopy or PDF Report to): <u>Barbara Mead bmead@fresolutions.com</u>	EDF DELIVERABLE TO (RP or Designee):	PHONE NO.:	E-MAIL:
TELEPHONE: <u>925/688-1200</u>	FAX: <u>925/688-0588</u>	E-MAIL: <u>bmead@fresolutions.com</u>	LAB USE ONLY

SAMPLER NAME(S) (Print): <u>Mark Trevor</u>	CONSULTANT PROJECT NUMBER: <u>B. Mead</u>	REQUESTED ANALYSES	
--	--	--------------------	--

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
cc report to mtrevor@fresolutions.com

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 <input type="checkbox"/> Total <input type="checkbox"/> STLCLP	<u>8260 Concns: TPH, BTEX oxygenates + ethanol</u>	<u>TRPH 1664</u>	<u>Total Lead 6010</u>
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FIELD NOTES:
 Container/Preservative
 or PID Readings
 of Laboratory Notes

2.0

TEMPERATURE ON RECEIPT °C

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING		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 <input type="checkbox"/> Total <input type="checkbox"/> STLCLP	8260 Concns: TPH, BTEX oxygenates + ethanol	TRPH 1664	Total Lead 6010	
		DATE	TIME														
	<u>SB-1 @ 5'</u>	<u>10/30</u>	<u>0755</u>	<u>S</u>	<u>1</u>												
	<u>SB-1 @ 10'</u>		<u>0810</u>														
	<u>SB-2 @ 5'</u>		<u>0915</u>														
	<u>SB-2 @ 10'</u>		<u>0925</u>														
	<u>SB-3 @ 10'</u>		<u>1035</u>														
	<u>SB-3 @ 15'</u>		<u>1045</u>														
	<u>SB-4 @ 10'</u>		<u>1135</u>														
	<u>SB-4 @ 15'</u>		<u>1145</u>														
	<u>SB-5 @ 10'</u>		<u>1240</u>														
	<u>SB-5 @ 15'</u>		<u>1250</u>														

Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>	Date: <u>11/03/03</u>	Time: <u>1503</u>
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

TRC Alton Geoscience

November 21, 2003

21 Technology Drive

Irvine, CA 92718

Attn.: Anju Farfan

Project#: 42010301

Project: Conoco Phillips #6034

Site: 4700 First St., Livermore

Attached is our report for your samples received on 11/06/2003 15:25

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 12/21/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/04/2003 10:30	Water	1
MW-2	11/04/2003 11:00	Water	2
MW-3	11/04/2003 09:00	Water	3
MW-4	11/04/2003 09:30	Water	4
MW-5	11/04/2003 10:00	Water	5

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-1	Lab ID:	2003-11-0270 - 1
Sampled:	11/04/2003 10:30	Extracted:	11/12/2003 12:46
Matrix:	Water	QC Batch#:	2003/11/12-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/12/2003 12:46	
Benzene	ND	0.50	ug/L	1.00	11/12/2003 12:46	
Toluene	ND	0.50	ug/L	1.00	11/12/2003 12:46	
Ethylbenzene	ND	0.50	ug/L	1.00	11/12/2003 12:46	
Total xylenes	ND	1.0	ug/L	1.00	11/12/2003 12:46	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	11/12/2003 12:46	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	11/12/2003 12:46	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	11/12/2003 12:46	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	11/12/2003 12:46	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	11/12/2003 12:46	
1,2-DCA	ND	2.0	ug/L	1.00	11/12/2003 12:46	
EDB	ND	2.0	ug/L	1.00	11/12/2003 12:46	
Ethanol	ND	500	ug/L	1.00	11/12/2003 12:46	
Surrogate(s)						
1,2-Dichloroethane-d4	100.4	76	%	1.00	11/12/2003 12:46	
Toluene-d8	94.0	88	%	1.00	11/12/2003 12:46	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-2	Lab ID:	2003-11-0270 - 2
Sampled:	11/04/2003 11:00	Extracted:	11/12/2003 13:09
Matrix:	Water	QC Batch#:	2003/11/12-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/12/2003 13:09	
Benzene	ND	0.50	ug/L	1.00	11/12/2003 13:09	
Toluene	ND	0.50	ug/L	1.00	11/12/2003 13:09	
Ethylbenzene	ND	0.50	ug/L	1.00	11/12/2003 13:09	
Total xylenes	ND	1.0	ug/L	1.00	11/12/2003 13:09	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	11/12/2003 13:09	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	11/12/2003 13:09	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	11/12/2003 13:09	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	11/12/2003 13:09	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	11/12/2003 13:09	
1,2-DCA	ND	2.0	ug/L	1.00	11/12/2003 13:09	
EDB	ND	2.0	ug/L	1.00	11/12/2003 13:09	
Ethanol	ND	500	ug/L	1.00	11/12/2003 13:09	
Surrogate(s)						
1,2-Dichloroethane-d4	97.6	76	%	1.00	11/12/2003 13:09	
Toluene-d8	97.0	88	%	1.00	11/12/2003 13:09	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2003-11-0270 - 3
Sampled:	11/04/2003 09:00	Extracted:	11/12/2003 13:31
Matrix:	Water	QC Batch#:	2003/11/12-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/12/2003 13:31	
Benzene	ND	0.50	ug/L	1.00	11/12/2003 13:31	
Toluene	ND	0.50	ug/L	1.00	11/12/2003 13:31	
Ethylbenzene	ND	0.50	ug/L	1.00	11/12/2003 13:31	
Total xylenes	ND	1.0	ug/L	1.00	11/12/2003 13:31	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	11/12/2003 13:31	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	11/12/2003 13:31	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	11/12/2003 13:31	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	11/12/2003 13:31	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	11/12/2003 13:31	
1,2-DCA	ND	2.0	ug/L	1.00	11/12/2003 13:31	
EDB	ND	2.0	ug/L	1.00	11/12/2003 13:31	
Ethanol	ND	500	ug/L	1.00	11/12/2003 13:31	
Surrogate(s)						
1,2-Dichloroethane-d4	98.4	76	%	1.00	11/12/2003 13:31	
Toluene-d8	98.2	88	%	1.00	11/12/2003 13:31	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-4	Lab ID:	2003-11-0270 - 4
Sampled:	11/04/2003 09:30	Extracted:	11/12/2003 02:00
Matrix:	Water	QC Batch#:	2003/11/11-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/12/2003 02:00	
Benzene	ND	0.50	ug/L	1.00	11/12/2003 02:00	
Toluene	ND	0.50	ug/L	1.00	11/12/2003 02:00	
Ethylbenzene	ND	0.50	ug/L	1.00	11/12/2003 02:00	
Total xylenes	ND	1.0	ug/L	1.00	11/12/2003 02:00	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	11/12/2003 02:00	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	11/12/2003 02:00	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	11/12/2003 02:00	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	11/12/2003 02:00	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	11/12/2003 02:00	
1,2-DCA	ND	2.0	ug/L	1.00	11/12/2003 02:00	
EDB	ND	2.0	ug/L	1.00	11/12/2003 02:00	
Ethanol	ND	500	ug/L	1.00	11/12/2003 02:00	
Surrogate(s)						
1,2-Dichloroethane-d4	94.9	76	%	1.00	11/12/2003 02:00	
Toluene-d8	93.4	88	%	1.00	11/12/2003 02:00	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-5	Lab ID:	2003-11-0270 - 5
Sampled:	11/04/2003 10:00	Extracted:	11/12/2003 02:19
Matrix:	Water	QC Batch#:	2003/11/11-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/12/2003 02:19	
Benzene	ND	0.50	ug/L	1.00	11/12/2003 02:19	
Toluene	ND	0.50	ug/L	1.00	11/12/2003 02:19	
Ethylbenzene	ND	0.50	ug/L	1.00	11/12/2003 02:19	
Total xylenes	ND	1.0	ug/L	1.00	11/12/2003 02:19	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	11/12/2003 02:19	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	11/12/2003 02:19	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	11/12/2003 02:19	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	11/12/2003 02:19	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	11/12/2003 02:19	
1,2-DCA	ND	2.0	ug/L	1.00	11/12/2003 02:19	
EDB	ND	2.0	ug/L	1.00	11/12/2003 02:19	
Ethanol	ND	500	ug/L	1.00	11/12/2003 02:19	
Surrogate(s)						
1,2-Dichloroethane-d4	98.5	76	%	1.00	11/12/2003 02:19	
Toluene-d8	95.6	88	%	1.00	11/12/2003 02:19	

Gas/BTEX Fuel Oxygenates by 8260B

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Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2003/11/11-2B.69

MB: 2003/11/11-2B.69-052

Date Extracted: 11/11/2003 19:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/11/2003 19:52	
tert-Butyl alcohol (TBA)	ND	100	ug/L	11/11/2003 19:52	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	11/11/2003 19:52	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	11/11/2003 19:52	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	11/11/2003 19:52	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	11/11/2003 19:52	
1,2-DCA	ND	2.0	ug/L	11/11/2003 19:52	
EDB	ND	2.0	ug/L	11/11/2003 19:52	
Benzene	ND	0.5	ug/L	11/11/2003 19:52	
Toluene	ND	0.5	ug/L	11/11/2003 19:52	
Ethylbenzene	ND	0.5	ug/L	11/11/2003 19:52	
Total xylenes	ND	1.0	ug/L	11/11/2003 19:52	
Ethanol	ND	500	ug/L	11/11/2003 19:52	
Surrogates(s)					
1,2-Dichloroethane-d4	91.0	76-114	%	11/11/2003 19:52	
Toluene-d8	107.2	88-110	%	11/11/2003 19:52	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2003/11/12-1B.65

MB: 2003/11/12-1B.65-043

Date Extracted: 11/12/2003 09:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/12/2003 09:43	
tert-Butyl alcohol (TBA)	ND	100	ug/L	11/12/2003 09:43	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	11/12/2003 09:43	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	11/12/2003 09:43	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	11/12/2003 09:43	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	11/12/2003 09:43	
1,2-DCA	ND	2.0	ug/L	11/12/2003 09:43	
EDB	ND	2.0	ug/L	11/12/2003 09:43	
Benzene	ND	0.5	ug/L	11/12/2003 09:43	
Toluene	ND	0.5	ug/L	11/12/2003 09:43	
Ethylbenzene	ND	0.5	ug/L	11/12/2003 09:43	
Total xylenes	ND	1.0	ug/L	11/12/2003 09:43	
Ethanol	ND	500	ug/L	11/12/2003 09:43	
Surrogates(s)					
1,2-Dichloroethane-d4	100.6	76-114	%	11/12/2003 09:43	
Toluene-d8	97.6	88-110	%	11/12/2003 09:43	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2003/11/11-2B.69				
LCS	2003/11/11-2B.69-014		Extracted: 11/11/2003			Analyzed: 11/11/2003 19:14				
LCSD	2003/11/11-2B.69-033		Extracted: 11/11/2003			Analyzed: 11/11/2003 19:33				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.2	24.6	25	92.8	98.4	5.9	65-165	20		
Benzene	22.2	21.4	25	88.8	85.6	3.7	69-129	20		
Toluene	22.9	24.1	25	91.6	96.4	5.1	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	502	517	500	100.4	103.4		76-114			
Toluene-d8	475	476	500	95.0	95.2		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Batch QC Report									
Prep(s): 5030B						Test(s): 8260B			
Laboratory Control Spike			Water			QC Batch # 2003/11/12-1B.65			
LCS	2003/11/12-1B.65-057		Extracted: 11/12/2003			Analyzed: 11/12/2003 08:57			
LCSD	2003/11/12-1B.65-019		Extracted: 11/12/2003			Analyzed: 11/12/2003 09:19			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.8	24.7	25	91.2	98.8	8.0	65-165	20		
Benzene	21.8	22.7	25	87.2	90.8	4.0	69-129	20		
Toluene	21.7	21.8	25	86.8	87.2	0.5	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	501	517	500	100.2	103.4		76-114			
Toluene-d8	475	485	500	95.0	97.0		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Batch QC Report

Prep(s): 5030B	Test(s): 8260B	
Matrix Spike (MS / MSD)	Water	QC Batch # 2003/11/11-2B.69
MW-5 >> MS	Lab ID: 2003-11-0270 - 005	
MS: 2003/11/11-2B.69-037	Extracted: 11/12/2003	Analyzed: 11/12/2003 02:37
		Dilution: 1.00
MSD: 2003/11/11-2B.69-056	Extracted: 11/12/2003	Analyzed: 11/12/2003 02:56
		Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	24.8	27.2	ND	25	99.2	108.8	9.2	65-165	20		
Benzene	22.3	23.8	ND	25	89.2	95.2	6.5	69-129	20		
Toluene	24.8	24.7	ND	25	99.2	98.8	0.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	443	447		500	88.6	89.4		76-114			
Toluene-d8	484	475		500	96.8	95.0		88-110			

Oil & Grease (Petroleum) by EPA 1664

TRC Alton Geoscience

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Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/04/2003 10:30	Water	1

Oil & Grease (Petroleum) by EPA 1664

TRC Alton Geoscience

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Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Prep(s):	1664	Test(s):	1664
Sample ID:	MW-1	Lab ID:	2003-11-0270 - 1
Sampled:	11/04/2003 10:30	Extracted:	11/11/2003 00:00
Matrix:	Water	QC Batch#:	2003/11/11-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil and Grease (Petroleum)	ND	1.0	mg/L	1.00	11/13/2003	

Oil & Grease (Petroleum) by EPA 1664

TRC Alton Geoscience

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Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Batch QC Report

Prep(s): 1664

Method Blank

MB: 2003/11/11-02.23-001

Water

Test(s): 1664

QC Batch # 2003/11/11-02.23

Date Extracted: 11/11/2003

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil and Grease (Petroleum)	ND	1	mg/L	11/13/2003	

Oil & Grease (Petroleum) by EPA 1664

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Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Batch QC Report										
Prep(s): 1664						Test(s): 1664				
Laboratory Control Spike			Water			QC Batch # 2003/11/11-02.23				
LCS	2003/11/11-02.23-002		Extracted: 11/11/2003			Analyzed: 11/13/2003				
LCSD	2003/11/11-02.23-003		Extracted: 11/11/2003			Analyzed: 11/13/2003				
Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil and Grease (Petroleum)	17.2	17.6	20.0	86.0	88.0	2.3	66-114	24		

Total Lead

TRC Alton Geoscience

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Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/04/2003 10:30	Water	1

Total Lead

TRC Alton Geoscience

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Prep(s):	3010A	Test(s):	6010B
Sample ID:	MW-1	Lab ID:	2003-11-0270 - 1
Sampled:	11/04/2003 10:30	Extracted:	11/10/2003 14:35
Matrix:	Water	QC Batch#:	2003/11/10-08.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	11/19/2003 21:30	

Total Lead

TRC Alton Geoscience

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Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Batch QC Report

Prep(s): 3010A

Method Blank

MB: 2003/11/10-08.15-137

Water

Test(s): 6010B

QC Batch # 2003/11/10-08.15

Date Extracted: 11/10/2003 14:35

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	0.0050	mg/L	11/19/2003 20:26	

Total Lead

TRC Alton Geoscience

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Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 42010301

Conoco Phillips #6034

Received: 11/06/2003 15:25

Site: 4700 First St., Livermore

Batch QC Report										
Prep(s): 3010A						Test(s): 6010B				
Laboratory Control Spike			Water			QC Batch # 2003/11/10-08.15				
LCS	2003/11/10-08.15-138		Extracted: 11/10/2003			Analyzed: 11/19/2003 20:31				
LCSD	2003/11/10-08.15-139		Extracted: 11/10/2003			Analyzed: 11/19/2003 20:35				
Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	0.516	0.519	0.500	103.2	103.8	0.6	80-120	20		

STL-San Francisco

2003-11-0270

ConocoPhillips Chain Of Custody Record

7994

1220 Quarry Lane

Pleasanton, CA 94566

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

ConocoPhillips Site Manager: Andrew Stow
 INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS
 Attn: Andrew Stow
 600 N. Dairy Ashford - TN5046
 Houston, TX 77079-1175

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

WNO1525

DATE: 11/5/03
 PAGE: 1 of 1

SAMPLING COMPANY: TRC	Valid Value ID: TRCC	CONOCOPHILLIPS SITE NUMBER: 6034	GLOBAL ID NO.:
ADDRESS: 5052 Commerical Circle, Concord, CA 94520		SITE ADDRESS (Street and City): 4700 First St. Livermore	CONOCOPHILLIPS SITE MANAGER:
PROJECT CONTACT (Hardcopy or PDF Report to): Barbara Noed bnoed@trcsolutions.com		EDD DELIVERABLE TO (RFP or Designee):	PHONE NO.:
TELEPHONE: 925-688-1200	FAX: 925 688-0388	E-MAIL: MTrevor@trcsolutions.com	FAX:
SAMPLER NAME(S) (Print): Mark Trevor		CONSULTANT PROJECT NUMBER: 42010301	LAB USE ONLY

REQUESTED ANALYSES

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

8015m - TPHd Extractable	8260B - TPHg/BTEX/MIBE	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/MIBE	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> DTCLP	Combo 82601 TPH, BTEX Oxygenates, ethanol TPPH 1664 Total Lead
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FIELD NOTES:
 Container/Preservative
 or PID Readings
 or Laboratory Notes

6.0°C

TEMPERATURE ON RECEIPT (C)

* Field Point name only required if different from Sample ID

LAB USE ONLY	Sample Identification/Field Point Name	SAMPLING		MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MIBE	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/MIBE	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> DTCLP	Combo 82601 TPH, BTEX Oxygenates, ethanol TPPH 1664 Total Lead		
		DATE	TIME													
	MW-1	11/4	1030	W	5									X	X	X
	MW-2	11/4	1100	W	3									X		
	MW-3	11/4	0900	W	3									X		
	MW-4	11/4	0930	W	3									X		
	MW-5	11/4	1000	W	3									X		

Released by (Signature): <i>Paul Shelley</i>	Received by (Signature): <i>[Signature]</i>	Date: 11/5/03	Time: 14:00
Released by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 11-06-03	Time: 12:00
Released by (Signature):	Received by (Signature):	Date: 11-06-03	Time: 15:25