



76 Broadway  
Sacramento, CA 95818  
phone 916.558.7676  
fax 916.558.7639

July 15, 2004

Mr. Don Hwang  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

RE: Former BP Site #11127  
5425 Martin Luther King Jr. Way  
Oakland, California

Alameda County  
JUL 19 2004  
Environmental Health

Dear Mr. Hwang:

Please find attached a *Baseline Site Assessment Report* dated March 4, 2004 for the above referenced site. The report summarizes the results of an investigation performed as part of the planned divestment of this property by ConocoPhillips. Concentrations of dissolved-phase hydrocarbons detected during this assessment appear generally consistent with those detected during historic monitoring and sampling at the site.

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

Sincerely,

Liz Sewell  
Site Manager  
Risk Management & Remediation

Attachment

cc: Paul Supple, Atlantic Richfield Company  
Kyle Christie, Atlantic Richfield Company (without attachment)



Customer-Focused Solutions

March 4, 2004

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

ATTN: MR. WILLIAM E. RODGERS, JR.

SITE: 76 STATION 11127  
5425 MARTIN LUTHER KING, JR. WAY  
OAKLAND, CALIFORNIA

RE: BASELINE SITE ASSESSMENT REPORT

Alameda County  
JUL 19 2004  
Environmental Health

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 Figure 1
- Section 3 Table 1
- Section 4 General Field Procedures
- Section 5 Official Laboratory Reports

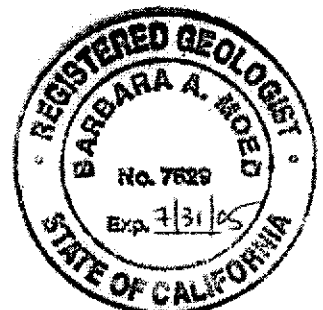
If you have any questions regarding this report, please call Ms. Barbara Moed with TRC at (925) 688-1200.

Sincerely,

TRC

Amanda Atkinson  
Staff Geologist

Barbara Moed, R.G.  
Senior Project Geologist



cc: Ms. Elizabeth J. Sewell, ConocoPhillips Company  
Mr. Dick Mathews, ConocoPhillips Company

## SUMMARY DATA

<b>SITE INFORMATION</b>	
<b>76 Station 11127</b> <b>5425 Martin Luther King, Jr. Way</b> <b>Oakland, California</b>	TRC Project Number: 420194-01
<b>SCOPE OF WORK</b>	
Monitor fluid levels in and collect groundwater samples from four onsite monitoring wells (MW-1 through MW-4) to assess the presence of hydrocarbon-affected groundwater beneath the site.	Environmental Consultant: TRC
<b>SITE OVERVIEW</b>	
The site is an active service station with three 12,000-gallon gasoline USTs, one 1,000-gallon waste-oil UST, and four dispenser islands. Former onsite facilities included three 12,000-gallon USTs, a 10,000-gallon UST, two 8,000-gallon USTs, a 280-gallon waste oil tank, and hoists.	Groundwater was encountered at depths ranging from 6.56 to 7.11 fbg in 3 monitoring wells.
<b>FIELD ACTIVITIES</b>	
Monitoring Wells Sampled on: February 27, 2004 Boring Depths and Identifications: NA Monitoring Well Identifications, Depths and Diameters: Monitoring Well MW-1: 27.60 fbg; 4-in. Monitoring Well MW-2: 26.90 fbg; 4-in. Monitoring Well MW-4: 21.69 fbg; 2-in. Monitoring well MW-3 was not found in the area designated on the site plans provided.	Groundwater Samples Analyzed: 3  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 date of sample collection is documented on the Chain of Custody records included in Section 5.
<b>LABORATORY ANALYSIS</b>	
Groundwater samples were submitted to a state-certified laboratory for the analyses listed below.	
<u>Abandoned and existing Gasoline USTs and Dispensers:</u> <ul style="list-style-type: none"> <li>• TPPH using EPA Method 8260B.</li> <li>• BTEX, Oxygenates (MTBE, DIPE, ETBE, TAME TBA and ethanol), and fuel additives 1,2 DCA and EDB using EPA Method 8260B.</li> </ul>	
<u>Abandoned and existing Waste Oil USTs:</u> <ul style="list-style-type: none"> <li>• TPPH using EPA Method 8260B.</li> <li>• BTEX, Oxygenates (MTBE, DIPE, ETBE, TAME and TBA), fuel additives 1,2 DCA and EDB and ethanol using EPA Method 8260B</li> <li>• O&amp;G using EPA Method 1664.</li> <li>• Dissolved lead using EPA Method 6010B.</li> </ul>	
<b>FINDINGS</b>	
<u>Depth to Groundwater</u> Groundwater was encountered at depths ranging from 6.56 to 7.11 fbg in 3 monitoring wells.	
<u>Groundwater Results</u> The laboratory results for TPPH, BTEX, oxygenates, fuel additives, O&G and dissolved lead are listed in Section 3. Benzene, toluene, TBA, DIPE, ETBE, TAME, 1,2-DCA, EDB and ethanol were not detected in the three groundwater samples analyzed. TPPH was detected in two of the samples at a maximum concentration of 300 µg/L near the former UST location. MTBE was detected at a concentration of 280 µg/L in one sample near the former	

## SUMMARY DATA

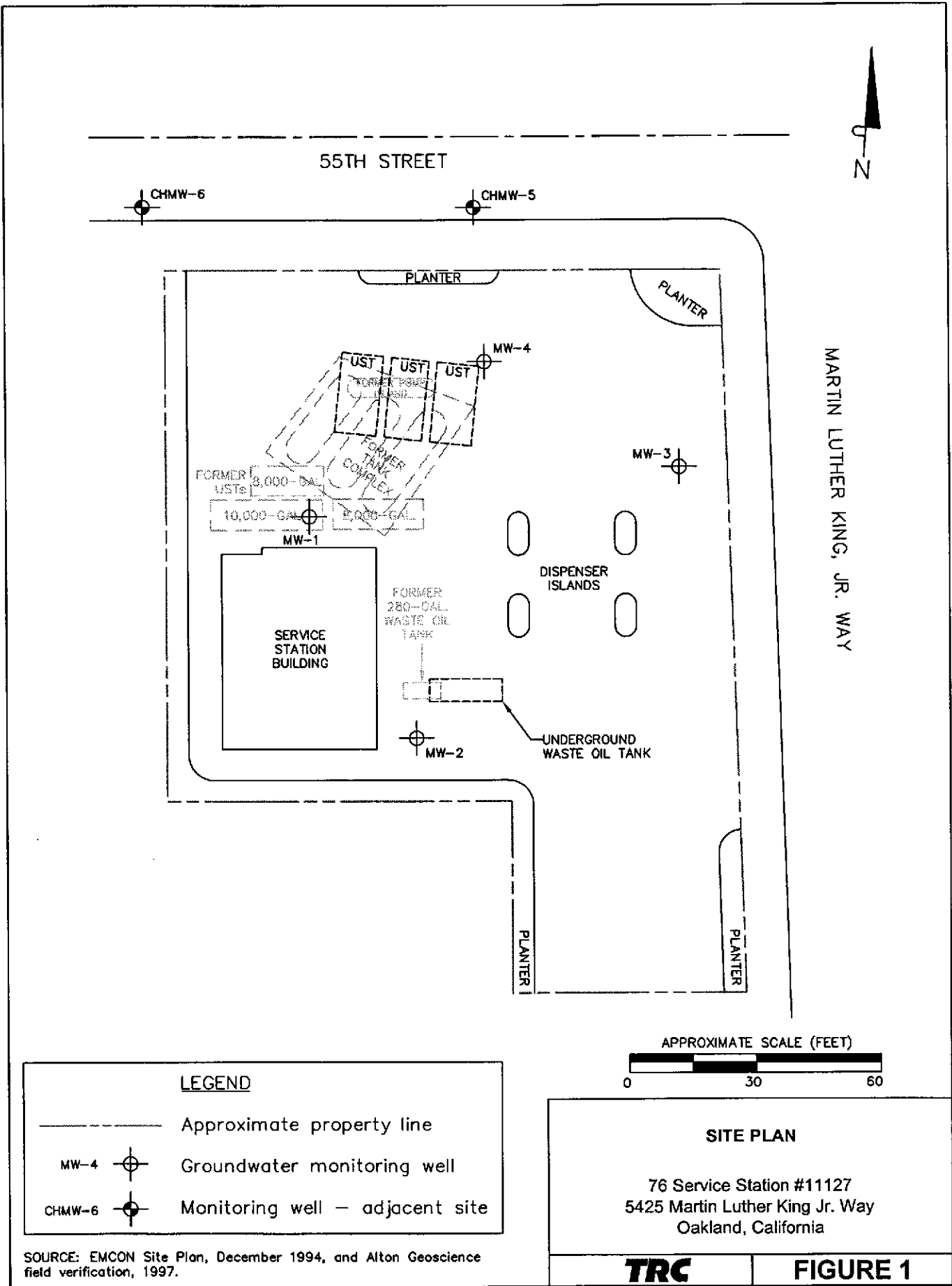
UST location. Ethylbenzene was detected at a concentration of 4.7  $\mu\text{g/L}$  in one sample near the existing and former waste oil UST locations. Xylenes were detected at a concentration of 2.6  $\mu\text{g/L}$  in one sample near the existing and former waste oil UST locations. O&G and dissolved lead were not detected in the sample near the existing and former waste oil UST locations.

### LIST OF ABBREVIATIONS

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

### STATEMENT OF LIMITATIONS

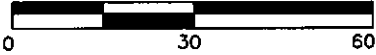
The activities summarized in this report have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented 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.





55TH STREET

MARTIN LUTHER KING, JR. WAY

APPROXIMATE SCALE (FEET)



**LEGEND**

- Approximate property line
- MW-4  Groundwater monitoring well
- CHMW-6  Monitoring well - adjacent site

**SITE PLAN**

76 Service Station #11127  
 5425 Martin Luther King Jr. Way  
 Oakland, California

SOURCE: EMCON Site Plan, December 1994, and Alton Geoscience field verification, 1997.



**FIGURE 1**

Table 1

**RESULTS OF LABORATORY ANALYSIS OF GROUNDWATER SAMPLES**  
76 Station 11127

Sample Number	Sample Date	DTW (fbg)	TPPH	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	Oil & Grease	Lead
			(µg/L) EPA 8260B	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	mg/L EPA 1664A
MW-1	2/24/2004	6.56	300	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<200	<280	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<1,000		
MW-2	2/24/2004	6.90	110	ND<0.50	ND<0.50	4.7	2.6	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	ND<1.0	ND<0.0050
MW-4	2/24/2004	7.11	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		

TPPH = total purgeable petroleum hydrocarbons  
O&G = oil and grease (petroleum)  
MTBE = methyl tertiary butyl ether  
DIPE = di-isopropyl ether  
ETBE = ethyl t-butyl ether  
TAME = t-amyl methyl ether  
1,2-DCA = 1,2-dichloroethane  
EDB = ethylene dibromide

TBA = t-butyl alcohol  
mg/L = milligrams per liter  
µg/L = micrograms per liter  
ND = non detect above the laboratory reporting limit  
fbg = feet below grade  
- = not analyzed, measured, or collected  
na = not applicable  
DTW = depth to water

## GENERAL FIELD PROCEDURES

### 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 depth 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, 1/2-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

TRC/Alton Geoscience

March 01, 2004

5052 Commercial Circle  
Concord, CA 94520

Attn.: Amanda Atkinson

Project#: 41050001/FA20

Project: Conoco Phillips #11127

Site: 5425 Martin Luther King Boulevard, Oakland

Attached is our report for your samples received on 02/27/2004 12:25

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 04/12/2004 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

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

TRC/Alton Geoscience  
Attn.: Amanda Atkinson

5052 Commercial Circle  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001/FA20  
Conoco Phillips #11127

Received: 02/27/2004 12:25

Site: 5425 Martin Luther King Boulevard, Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-2	02/27/2004 08:50	Water	1
MW-4	02/27/2004 09:15	Water	2
MW-1	02/27/2004 11:31	Water	3

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/01/2004 15:59





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

 TRC/Alton Geoscience  
 Attn.: Amanda Atkinson

 5052 Commercial Circle  
 Concord, CA 94520  
 Phone: (925) 688-1200 Fax: (925) 688-0388

 Project: 41050001/FA20  
 Conoco Phillips #11127

Received: 02/27/2004 12:25

Site: 5425 Martin Luther King Boulevard, Oakland

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-1	Lab ID: 2004-02-0843 - 3
Sampled: 02/27/2004 11:31	Extracted: 2/28/2004 17:51
Matrix: Water	QC Batch#: 2004/02/28-1A-64

Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	300	100	ug/L	2.00	02/28/2004 17:51	g
Benzene	ND	1.0	ug/L	2.00	02/28/2004 17:51	
Toluene	ND	1.0	ug/L	2.00	02/28/2004 17:51	
Ethylbenzene	ND	1.0	ug/L	2.00	02/28/2004 17:51	
Total xylenes	ND	2.0	ug/L	2.00	02/28/2004 17:51	
tert-Butyl alcohol (TBA)	ND	200	ug/L	2.00	02/28/2004 17:51	
Methyl tert-butyl ether (MTBE)	280	4.0	ug/L	2.00	02/28/2004 17:51	
Di-isopropyl Ether (DIPE)	ND	4.0	ug/L	2.00	02/28/2004 17:51	
Ethyl tert-butyl ether (ETBE)	ND	4.0	ug/L	2.00	02/28/2004 17:51	
tert-Amyl methyl ether (TAME)	ND	4.0	ug/L	2.00	02/28/2004 17:51	
1,2-DCA	ND	4.0	ug/L	2.00	02/28/2004 17:51	
EDB	ND	4.0	ug/L	2.00	02/28/2004 17:51	
Ethanol	ND	1000	ug/L	2.00	02/28/2004 17:51	
<b>Surrogate(s)</b>						
Toluene-d8	98.0	88-110	%	2.00	02/28/2004 17:51	
1,2-Dichloroethane-d4	89.4	76-114	%	2.00	02/28/2004 17:51	

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

TRC/Alton Geoscience  
Attn.: Amanda Atkinson

5052 Commercial Circle  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001/FA20  
Conoco Phillips #11127

Received: 02/27/2004 12:25

Site: 5425 Martin Luther King Boulevard, Oaklan

**Batch QC Report**

Prep(s): 5030B  
Method Blank

Water

Test(s): 8260FAB  
QC Batch # 2004/02/28-1A.64

MB: 2004/02/28-1A.64-055

Date Extracted: 02/28/2004 09:11

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/28/2004 09:11	
tert-Butyl alcohol (TBA)	ND	100	ug/L	02/28/2004 09:11	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	02/28/2004 09:11	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	02/28/2004 09:11	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	02/28/2004 09:11	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	02/28/2004 09:11	
1,2-DCA	ND	2.0	ug/L	02/28/2004 09:11	
EDB	ND	2.0	ug/L	02/28/2004 09:11	
Benzene	ND	0.5	ug/L	02/28/2004 09:11	
Toluene	ND	0.5	ug/L	02/28/2004 09:11	
Ethylbenzene	ND	0.5	ug/L	02/28/2004 09:11	
Total xylenes	ND	1.0	ug/L	02/28/2004 09:11	
Ethanol	ND	500	ug/L	02/28/2004 09:11	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	82.2	76-114	%	02/28/2004 09:11	
Toluene-d8	96.8	88-110	%	02/28/2004 09:11	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/01/2004 15:59

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

TRC/Alton Geoscience  
Attn.: Amanda Atkinson

5052 Commercial Circle  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001/FA20  
Conoco Phillips #11127

Received: 02/27/2004 12:25

Site: 5425 Martin Luther King Boulevard, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260FAB

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/02/28-1A.64**

LCS 2004/02/28-1A.64-026

Extracted: 02/28/2004

Analyzed: 02/28/2004 08:26

LCSD 2004/02/28-1A.64-033

Extracted: 02/28/2004

Analyzed: 02/28/2004 09:33

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.1	23.4	25	96.4	93.6	2.9	65-165	20			
Benzene	25.0	23.9	25	100.0	95.6	4.5	69-129	20			
Toluene	26.4	24.8	25	105.6	99.2	6.3	70-130	20			
<b>Surrogates(s)</b>											
1,2-Dichloroethane-d4	390	389	500	78.0	77.8		76-114				
Toluene-d8	492	481	500	98.4	96.2		88-110				

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/01/2004 15:59



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

TRC/Alton Geoscience  
Attn.: Amanda Atkinson

5052 Commercial Circle  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001/FA20  
Conoco Phillips #11127

Received: 02/27/2004 12:25

Site: 5425 Martin Luther King Boulevard, Oakland

**Batch QC Report**

Prep(s): 5030B Test(s): 8260FAB

Matrix Spike ( MS / MSD ) Water QC Batch # 2004/02/28-1A.64

MW-2 >> MS Lab ID: 2004-02-0843 - 001

MS: 2004/02/28-1A.64-049 Extracted: 02/28/2004 Analyzed: 02/28/2004 10:49

Dilution: 1.00

MSD: 2004/02/28-1A.64-011 Extracted: 02/28/2004 Analyzed: 02/28/2004 11:11

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	23.1	24.1	ND	25	92.4	96.4	4.2	69-129	20		
Toluene	24.3	25.0	ND	25	97.2	100.0	2.8	70-130	20		
Methyl tert-butyl ether	21.7	22.7	ND	25	86.8	90.8	4.5	65-165	20		
<b>Surrogate(s)</b>											
Toluene-d8	483	490		500	96.6	98.0		88-110			
1,2-Dichloroethane-d4	405	395		500	81.0	79.0		76-114			

Severn Trent Laboratories, Inc.

03/01/2004 15:59

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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

TRC/Alton Geoscience

Attn.: Amanda Atkinson

5052 Commercial Circle

Concord, CA 94520

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

Project: 41050001/FA20

Conoco Phillips #11127

Received: 02/27/2004 12:25

Site: 5425 Martin Luther King Boulevard, Oakland

---

**Legend and Notes**

---

**Analysis Flag**

o

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

**Result Flag**

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

**Dissolved Metals**

TRC/Alton Geoscience  
Attn.: Amanda Atkinson

5052 Commercial Circle  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001/FA20  
Conoco Phillips #11127

Received: 02/27/2004 12:25

Site: 5425 Martin Luther King Boulevard, Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-2	02/27/2004 08:50	Water	1

**Dissolved Metals**

TRC/Alton Geoscience  
Attn.: Amanda Atkinson

5052 Commercial Circle  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001/FA20  
Conoco Phillips #11127

Received: 02/27/2004 12:25

Site: 5425 Martin Luther King Boulevard, Oakland

Prep(s): 3005A	Test(s): 6010B
Sample ID: MW-2	Lab ID: 2004-02-0843 - 1
Sampled: 02/27/2004 08:50	Extracted: 2/26/2004 19:46
Matrix: Water	QC Batch#: 2004/02/26-08.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	03/01/2004 15:42	

**Dissolved Metals**

TRC/Alton Geoscience  
Attn.: Amanda Atkinson

5052 Commercial Circle  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 41050001/FA20  
Conoco Phillips #11127

Received: 02/27/2004 12:25

Site: 5425 Martin Luther King Boulevard, Oakland

**Batch QC Report**

Prep(s): 2340B  
3005A

Test(s): 2340B  
6010B

Method Blank

Water

QC Batch # 2004/02/26-08.15

MB: 2004/02/26-08.15-051

Date Extracted: 02/26/2004 19:46

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	0.0050	mg/L	03/01/2004 12:49	

**Dissolved Metals**

TRC/Alton Geoscience  
Attn.: Amanda Atkinson

5052 Commercial Circle  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388  
Project: 41050001/FA20  
Conoco Phillips #11127

Received: 02/27/2004 12:25

Site: 5425 Martin Luther King Boulevard, Oakland

**Batch QC Report**

Prep(s): 2340B  
3005A

Test(s): 2340B  
6010B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/02/26-08.15**

LCS 2004/02/26-08.15-052

Extracted: 02/26/2004

Analyzed: 03/01/2004 12:54

LCSD 2004/02/26-08.15-053

Extracted: 02/26/2004

Analyzed: 03/01/2004 13:04

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	0.900	0.902	1.0	90.0	90.2	0.2	80-120	20		

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/01/2004 16:56

# 2004-02-0843

STL-San Francisco

## ConocoPhillips Chain Of Custody Record

83371

1220 Quarry Lane

Pleasanton, CA 94566

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

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

ConocoPhillips  
Attn: Bill Rodgers  
PO Box 2197  
6001 N. Quince  
Houston, TX 77071-1197

CONOCOPHILLIPS  
Attn: Dee McInchison  
3811 South Harbor, Suite 200  
Santa Ana, CA 92704

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE: 2-27-04

PAGE: 1 of 1

SAMPLING COMPANY: <b>TRC</b>		Field Value #:	CONOCOPHILLIPS SITE NUMBER <b>11127</b>		GLOBAL ID NO.:																
ADDRESS: <b>21 Technology Drive, Irvine CA 92618 DT 5052 Commercial Circle</b>		SITE ADDRESS (Street and City): <b>5425 Martin Luther King Boulevard Ukiah</b>		CONOCOPHILLIPS SITE MANAGER:																	
PROJECT CONTACT (Headway or POF Receipt to): <b>Anju Farfan or Amanda Atkinson</b>		EDF DELIVERABLE TO (RF or Designer): <b>Peter Thomson, TRC</b>		PHONE NO.:	FAX:																
TELEPHONE: <b>949-341-7440</b>	FAX: <b>949-753-0111</b>	EMAIL: <b>afarfan@trcsolutions.com</b>	EMAIL: <b>pthomson@trcsolutions.com</b>		LAB USE ONLY																
SAMPLER NAME(S) (Print): <b>David Tenney</b>		CONSULTANT PROJECT NUMBER: <b>41050001FA20</b>		REQUESTED ANALYSES																	
TURNAROUND TIME (CALENDAR DAYS): <input type="checkbox"/> 14 DAYS <input type="checkbox"/> 7 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input checked="" type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS		<table border="1"> <tr> <td>8015M - TPHd Extractable</td> <td>8260B - TPHg/BTEX/MIBE</td> <td>8260B - TPHg / BTEX / R Oxygenates</td> <td>8260B - TPHg / BTEX / B Oxygenates + methanol (8015M)</td> <td>8260B - Full Scan VOCs (does not include oxygenates)</td> <td>8270C - Semi-Volatiles</td> <td>8015M / 8021B - TPHg/BTEX/MIBE</td> <td>Lead: DTOTAL DTCLC DTCLP</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				8015M - TPHd Extractable	8260B - TPHg/BTEX/MIBE	8260B - TPHg / BTEX / R Oxygenates	8260B - TPHg / BTEX / B Oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MIBE	Lead: DTOTAL DTCLC DTCLP								
8015M - TPHd Extractable	8260B - TPHg/BTEX/MIBE					8260B - TPHg / BTEX / R Oxygenates	8260B - TPHg / BTEX / B Oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MIBE	Lead: DTOTAL DTCLC DTCLP										
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED <input checked="" type="checkbox"/>		FIELD NOTES: Custodian/Preservative or PID Readings or Laboratory Notes <b>2.0</b>																			
* Field Point name only required if different from Sample ID		TEMPERATURE ON RECEIPT C°																			
LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING		MATRIX	NO. OF CONT.	ANALYSES															
		DATE	TIME			8015M	8260B	8260B	8260B	8260B	8270C	8015M	Lead								
	MW-2	2-27	0850	G-W	4		X														
	MW-4		0915		3																
	MW-1		1131		1																
<b>RUSH</b>																					
Requested by (Signature): <i>[Signature]</i>		Received by (Signature): <i>[Signature]</i>				Date: 02/27/04		Time: 1225													
Requested by (Signature):		Received by (Signature):				Date:		Time:													
Requested by (Signature):		Received by (Signature):				Date:		Time:													

TRC/Alton Geoscience

March 01, 2004

5052 Commercial Circle  
Concord, CA 94520

Attn.: Amanda Atkinson  
Project: Conoco Phillips #11127  
Site: 5425 Martin Luther King Boulevard, Oakland

Attached is our report for your samples received on 02/27/2004 14:10

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 04/12/2004 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

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496



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

TRC/Alton Geoscience

Attn.: Amanda Atkinson

5052 Commercial Circle

Concord, CA 94520

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

Project: 11172

Received: 02/27/2004 14:10

Site: 5425 Martin Luther King Boulevard, Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-2	02/27/2004 13:17	Water	1

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/01/2004 14:02

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

TRC/Alton Geoscience  
Attn.: Amanda Atkinson

5052 Commercial Circle  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388  
Project: 11172

Received: 02/27/2004 14:10

Site: 5425 Martin Luther King Boulevard, Oakland

Prep(s): 1664A	Test(s): 1664A
Sample ID: MW-2	Lab ID: 2004-02-0848 - 1
Sampled: 02/27/2004 13:17	Extracted: 2/28/2004 00:00
Matrix: Water	QC Batch#: 2004/02/28-01.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	1.0	mg/L	1.00	02/28/2004	

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

TRC/Alton Geoscience  
Attn.: Amanda Atkinson

5052 Commercial Circle  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388  
Project: 11172

Received: 02/27/2004 14:10

Site: 5425 Martin Luther King Boulevard, Oakland

**Batch QC Report**

Prep(s): 1664A

Test(s): 1664A

Method Blank

Water

QC Batch # 2004/02/28-01.23

MB: 2004/02/28-01.23-001

Date Extracted: 02/28/2004

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	1	mg/L	02/28/2004	

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

TRC/Alton Geoscience  
Attn.: Amanda Atkinson

5052 Commercial Circle  
Concord, CA 94520  
Phone: (925) 688-1200 Fax: (925) 688-0388

Project: 11172

Received: 02/27/2004 14:10

Site: 5425 Martin Luther King Boulevard, Oakland

**Batch QC Report**

Prep(s): 1664A

Test(s): 1664A

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/02/28-01.23**

LCS 2004/02/28-01.23-002

Extracted: 02/28/2004

Analyzed: 02/28/2004

LCSD 2004/02/28-01.23-003

Extracted: 02/28/2004

Analyzed: 02/28/2004

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil & Grease (total)	40.5	41.0	40.0	101.3	102.5	1.2	79-114	18		

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/01/2004 14:02

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

2004-02-08 Copy to Phillips Chair of Custody Record

83374

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

Conoco Phillips  
Attn: Phil Rogers  
PO Box 2177  
6806 Dairy Ashford Blvd Houston TX 77077-1175

CONOCOPHILLIPS  
Attn: ~~D. Hutchinson~~  
3611 South Harbor, Suite 200  
Santa Ana, CA 92704  
714-770-7175

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE: 2-27-04

PAGE: 1 of 1

SAMPLING COMPANY: <b>TRC</b>		Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: <b>11172</b>	GLOBAL ID NO.:
ADDRESS: <b>21 Technology Drive Irvine CA 92618 pr 5052 Commercial Circle space 94501</b>		SITE ADDRESS (Street and City): <b>5425 Martin Luther King Boulevard Oakland</b>		CONOCOPHILLIPS SITE MANAGER:
PROJECT CONTACT (Name, Copy or P/BF Report to): <b>Anju Farfan Dr Amanda Atkinson</b>		EPC DELIVERABLE TO (RF or Contract): <b>Peter Thomson, TRC pthomson@trcsolutions.com</b>		PHONE NO.: <b>949-341-7408</b>
TELEPHONE: <b>949-341-7440</b>	FAX: <b>949-753-0111</b>	EMAIL: <b>afarfan@trcsolutions.com</b>		LAB USE ONLY

SAMPLER NAME(S) (Print): <b>David Tenney</b>	CONSULTANT PROJECT NUMBER: <b>41050001/FA20</b>	<b>REQUESTED ANALYSES</b>	
TURNAROUND TIME (CALENDAR DAYS): <input checked="" type="checkbox"/> 24 HOURS <input type="checkbox"/> 7 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> LESS THAN 24 HOURS		FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes  <b>12.5°C</b>	
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF ADD IS NEEDED <input checked="" type="checkbox"/>		TEMPERATURE ON RECEIPT °C	

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING		MATH	NO. OF CONT.	8015m - TPHd Extracitable	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	Total DDTLC DTCLP	X 1664	
		DATE	TIME													
	MW-2	2-27	1317	GW	1											

**RUSH**

Requested by (Signature): <b>Dr. Tenney</b>	Received by (Signature): <b>Denise Hamilton / STL-SF</b>	Date: <b>2/27/04</b>	Time: <b>1410</b>
Requested by (Signature):	Received by (Signature):	Date:	Time:
Requested by (Signature):	Received by (Signature):	Date:	Time: