



SECOR
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INCORPORATED

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Ro 455

July 23, 2004

Mr. Thomas Kosel
ConocoPhillips
76 Broadway
Sacramento, CA 95818

Alameda County
JUL 27 2004
Environmental Health

RE: **Quarterly Remedial Performance Summary-Second Quarter 2004**
76 Service Station No. 1871
96 MacArthur Boulevard
Oakland, CA
SECOR Project No.: 77CP.60004.01.1871

Dear Mr. Kosel:

This letter, prepared by SECOR International Incorporated (SECOR) on behalf of ConocoPhillips, presents a remedial action performance summary for the ozone injection system operating at the site referenced above. Included in this report are tables and figures summarizing the system operation during the current quarter. Field data sheets and laboratory reports are included as Attachments A and B, respectively. A brief site background and the status of recent remedial activities are presented below.

SITE BACKGROUND

The site is located on MacArthur Boulevard to the southeast of Oakland Avenue in Oakland, California. The site is currently an operating service station. In April 2002 an ozone injection system was installed at the site. SECOR took over operation of the remedial system in September 2003.

REMEDIAL PERFORMANCE SUMMARY

The ozone injection system consists of a panel mounted KVA C-Sparge™ System that produces 4 grams per hour (0.009 pounds per hour) of ozone. The system injects to ten sparge wells: SP-A, SP-BS/BD, SP-C, SP-DS/DD, SP-E, SP-F, SP-G, and SP-H. During the current quarter the system operated nearly continuously, however, the hourmeter was malfunctioning. The hourmeter was replaced on June 14, 2004.

The effectiveness of the ozone injection system is evaluated by groundwater sampling. Monthly groundwater samples were collected from monitoring wells MW-1 and MW-7 on April 14, May 11, and June 14, 2004 and analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE). Results of monthly groundwater sampling events are summarized in Table A-2. Concentration versus time graphs for dissolved TPHg, benzene, and MtBE in monitoring wells MW-1 and MW-7 are provided in Figures 2 and 3. Field data sheets are provided in Attachment A. Certified laboratory analytical reports and chain-of-custody documentation are provided in Attachment B.

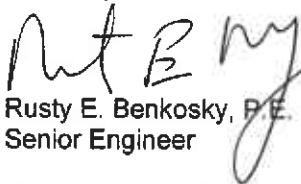
Quarterly Remedial Performance Summary
July 23, 2004
Page 2

If you have any questions, please contact us at (916) 861-0400.

Sincerely,
SECOR International Incorporated



Amy Draffan
Staff Engineer



Rusty E. Benkosky, P.E.
Senior Engineer

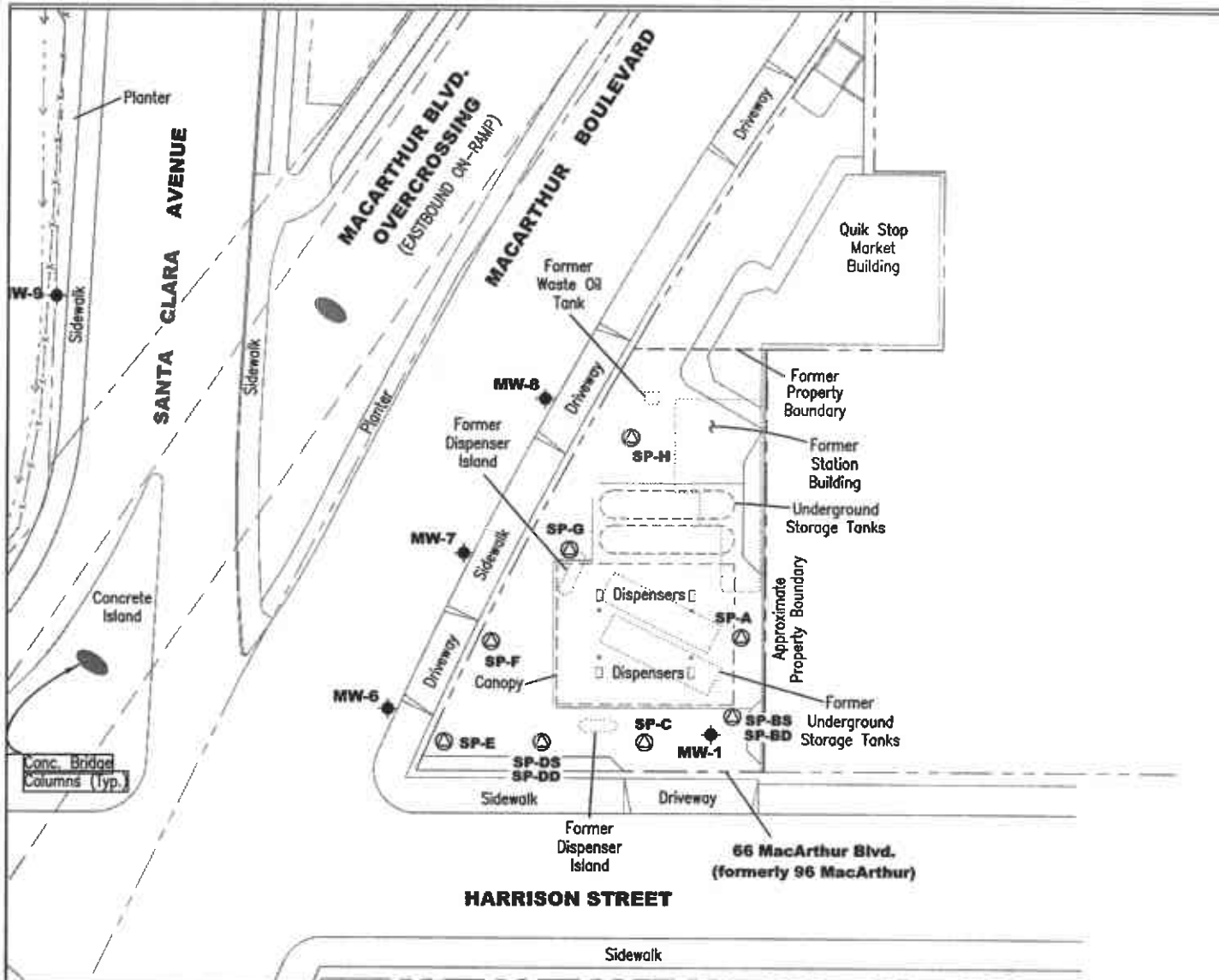


Alameda County
JUL 27 2004
Environmental Health

- Attachments:
- Figure 1 – Site Plan
 - Figure 2 – MW-1 TPHg, Benzene, and MtBE Groundwater Concentrations
 - Figure 3 – MW-7 TPHg, Benzene, and MtBE Groundwater Concentrations
- Table 1 – System Operation Data
Table 2 – Groundwater Analytical Data
- Attachment A – Field Data Sheets
Attachment B – Certified Laboratory Analytical Reports and Chain of Custody Documentation

cc: Mr. Don Hwang, Alameda County Health Care Services Agency
Ms. Barbara Moed, TRC

RB/ad



EXPLANATION

◆ Groundwater monitoring well



Source: Caltrans As-Built Plans and Right of Way Maps confirmed by field observations

DRAWN BY: MD
 CHECKED: AD
 APPROVED: RB
 DATE: 3/23/04 WR
 JOB NO.: TFCP 20004 01
 CAD FILE: SITEPLAN

PREPARED BY:

SECOR
 3017 KILGORE ROAD, SUITE 100
 RANCHO CORDOVA, CA 95670

PREPARED FOR:
CONOCOPHILLIPS
 76 STATION #1871
 96 MACARTHUR BOULEVARD
 OAKLAND, CALIFORNIA

FIGURE 1

SITE PLAN

Figure 2
MW-1 TPHg, Benzene, and MtBE Groundwater Concentrations
76 Service Station No. 1871
96 MacArthur Blvd., Oakland, California

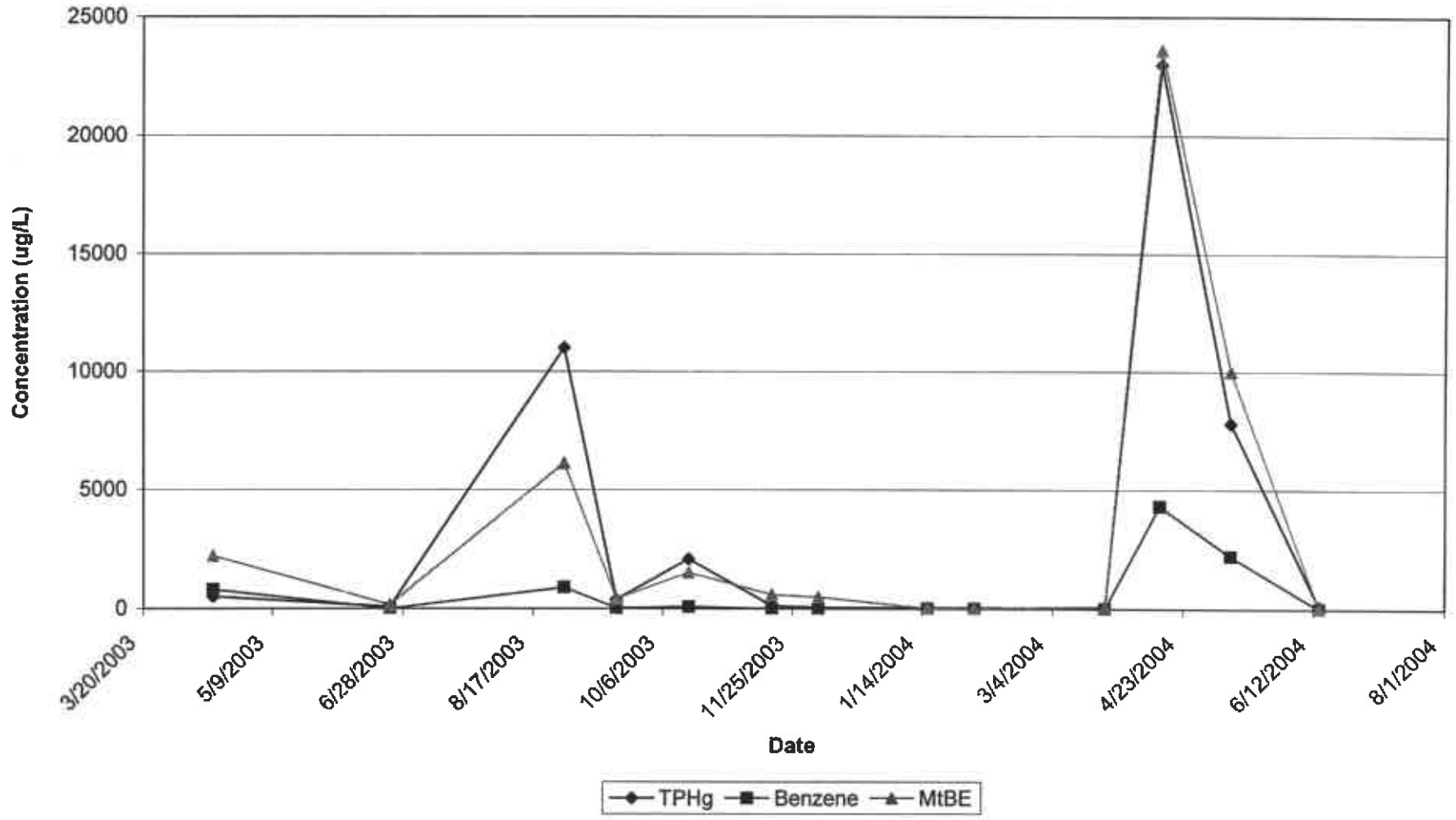


Figure 3
MW-7 TPHg, Benzene, and MtBE Groundwater Concentrations
 76 Service Station No. 1871
 96 MacArthur Blvd., Oakland, California

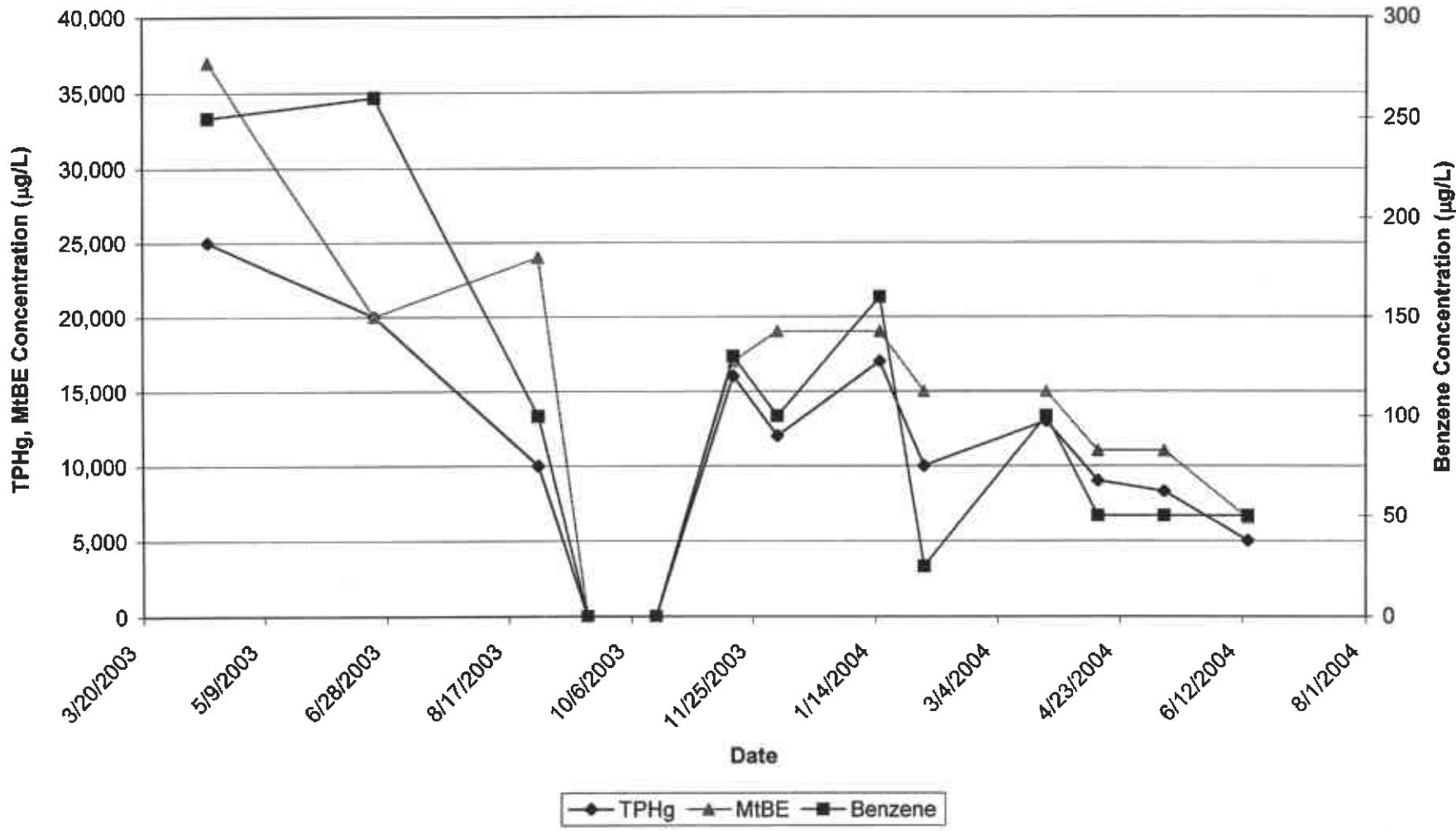


Table 1
Ozone Injection - System Operation Data
 76 Service Station No. 1871
 96 MacArthur Blvd., Oakland, California

Date	Notes	OZONE SPARGE SYSTEM									OZ-1	OZ-2	OZ-3	OZ-4	OZ-5	OZ-6	OZ-7	OZ-8	OZ-9	OZ-10	
		System Status on Arrival (On/Off)	System Status on Departure (On/Off)	Hourmeter Reading	Cumulative Online Factor	Period Online Factor	Ozone Injected (lbs)	Pressure (psi)	Flow (scfm)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)
6/23/03		On	On	8807.28	0.95	--	--	--	--	20	18	19	20	21	23	20	26	14	26		
7/16/03		Off	On	8850.46	0.91	0.09	0.39	--	--	27	18	31	40	29	29	31	38	24	25		
8/30/03		On	On	9180.61	0.86	0.35	2.97	--	--	17	15	17	19	19	19	20	26	19	26		
9/18/03		On	On	9327.43	0.84	0.37	1.32	--	--	13.5	14.7	17.0	16.3	16.0	19.7	16.8	19.8	15.7	20		
10/16/03		On	On	--	--	--	--	--	--	27.0	19.5	40.8	39.0	40.8	38.5	34.2	46.4	24.2	39.8		
11/17/03		On	On	9596.55	0.79	--	--	--	--	11.0	20.0	17.0	18.0	17.5	17.0	16.0	21.0	51.0	22.0		
12/5/03		On	On	9804.98	0.77	0.29	0.98	--	--	33.0	21.0	44.0	40.0	43.0	39.0	33.5	44.0	28.0	33.0		
1/16/04		On	On	10471.28	0.77	0.76	6.00	--	--	12.5	11.0	18.5	16.5	17.5	17.0	16.0	20.0	16.0	20.0		
2/3/04		On	On	10727.69	0.77	0.68	2.31	--	--	12.3	11.5	18.2	16.5	18.2	17.3	16.0	19.0	16.0	18.2		
3/24/04		On	On	11424.95	0.76	0.66	6.28	--	--	31.0	18.3	37.5	28.0	34.0	33.2	32.3	41.5	23.0	31.0		
4/14/04		On	On	11876.10	0.75	0.57	2.28	--	--	32.0	19.0	38.7	28.0	37.7	37.1	32.8	41.8	23.8	29.5		
4/15/04	a	On	On	11885.29	0.75	0.44	0.08	--	--	--	--	--	--	--	--	--	--	--	--		
4/16/04	a	On	On	11893.80	0.75	0.41	0.08	--	--	--	--	--	--	--	--	--	--	--	--		
4/19/04	a	On	On	11742.90	0.75	0.78	0.44	--	--	--	--	--	--	--	--	--	--	--	--		
4/23/04	a	On	On	11773.10	0.75	0.36	0.27	--	--	--	--	--	--	--	--	--	--	--	--		
5/4/04		Off	On	11837.70	0.74	0.28	0.58	--	--	32.2	20.5	39.4	36.2	38.1	32.0	33.5	60.0	25.8	33.1		
5/11/04		On	On	11950.51	0.74	0.77	1.02	--	--	32.5	20.0	38.5	29.8	38.8	39.5	34.8	60.0	23.5	35.9		
6/14/04	b	On	On	12464.64	0.74	0.72	4.63	--	--	20.0	21.0	38.8	27.2	37.0	38.2	35.2	60.0	24.0	32.1		
Sparge time per cycle (min)											7	7	7	7	7	7	7	7	7	7	7
Reporting Period: Second Quarter 2004 (03/24/04 to 06/14/04) Total Hours Operational: 12,465 Total Pounds Ozone Injected: 112 Period Hours Operational: 1040 Period Percent Operational: 46% Period Pounds Ozone Injected: 9																					
Definitions: psi Pounds per square inch scfm Standard cubic feet per minute -- Data not available NA Not applicable Notes: System cycles through program 18 times per day, for 87.5% utilization a Troubleshooting time counter b Hourmeter replaced																					

Table 2
Ozone Injection - Groundwater Monitoring Data
 76 Service Station No. 1871
 96 MacArthur Blvd., Oakland, California

Date	Monitoring Well: MW-1								Monitoring Well: MW-6						Monitoring Well: MW-7									
	ORP (mV)	DO	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (total) (µg/L)	MtBE (µg/L)	ORP (mV)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (total) (µg/L)	MtBE (µg/L)	ORP (mV)	DO	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (total) (µg/L)	MtBE (µg/L)	
4/16/2003	a	NM	NM	510	57	0.62	29	61	160	NM	270	<0.50	<0.50	<0.50	1.3	15	NM	NM	<25,000	<250	<250	<250	<500	37,000
6/23/2003	a	NM	NM	75	<0.50	<0.50	<0.50	5.3	12	NM	--	--	--	--	--	--	NM	NM	20,000	260	<0.50	<0.50	<1.0	20,000
8/29/2003	a	NM	NM	11,000	64	<10	330	1,400	440	NM	--	--	--	--	--	--	NM	NM	<10,000	<100	<100	<100	<200	24,000
9/18/2003		NM	NM	380	2.3	<0.50	3.6	31	30	NM	<50	<0.50	<0.50	<0.50	<1.0	1.8	NM	NM	--	--	--	--	--	--
10/16/2003		NM	NM	2,100	6.0	<0.50	24.0	120	110	NM	<50	0.83	<0.50	<0.50	<1.0	<0.50	NM	NM	--	--	--	--	--	--
11/17/2003		NM	NM	130	0.51	<0.50	2.1	7.9	43	NM	--	--	--	--	--	--	NM	NM	16,000	<130	<130	<130	<250	17,000
12/5/2003		NM	NM	<50	<0.50	<0.50	<0.50	<1.0	36	NM	--	--	--	--	--	--	NM	NM	12,000	<100	<100	<100	<200	19,000
1/16/2004	b	NM	NM	<50	<0.50	<0.50	<0.50	<1.0	<2.0	NM	--	--	--	--	--	--	NM	NM	17,000	160	270	<130	<250	19,000
2/3/2004		238	NM	<50	<0.50	<0.50	<0.50	<1.0	<2.0	NM	--	--	--	--	--	--	72	NM	10,000	<25	<25	<25	<50	15,000
3/24/2004	b	169	NM	55	<0.50	<0.50	0.80	2.9	7.8	NM	--	--	--	--	--	--	56	NM	13,000	<100	<100	<100	<200	15,000
4/14/2004	b	0.4	NM	23,000	310	10	590	2400	1700	NM	--	--	--	--	--	--	42	NM	9,000	<50	<50	<50	<100	11,000
5/11/2004	c	NM	NM	7,800	160	<10	170	700	720	NM	--	--	--	--	--	--	-3	NM	8,300	<50	<50	<50	<100	11,000
6/14/2004		20	5.25	110	<0.50	<0.50	1.0	6.4	3.4	NM	--	--	--	--	--	--	35	1.45	<5,000	<50	<50	<50	<100	6,500

Definitions:

TPHg = Total petroleum hydrocarbons as gasoline
 MtBE = Methyl tert-butyl ether
 µg/L = Micrograms per liter
 ORP = Oxidation Reduction Potential
 DO = Dissolve Oxygen
 NM = Not Measured

Notes:

a Sampled by Gettler-Ryan, Inc.
 b Hydrocarbon in gasoline range does not match laboratory gasoline standard.
 c ORP reading under the range
 -- Data not available

**ATTACHMENT A
FIELD DATA SHEETS**

Quarterly Remedial Performance Summary
76 Service Station No. 1871
96 MacArthur Boulevard
Oakland, CA
SECOR Project No.: 77CP.60004.01.1871

Field Data Sheet
Ozone Sparge System

ConocoPhillips Site # 1871
96 MacArthur Blvd
Oakland, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Time	System Status on Arrival On/Off	Electrical Meter Reading	Ozone Meter		Hourmeter	Ozone Readings			
					Brand	Range		Outside Compound (ppm)	Inside Compound (ppm)	Inside Shed/Panel (ppm)	Secondary Containment (ppm)
MSK	1-16-04	0730	ON-UP	—	ECO	0-10	10471.28	.00	.01	.02	.02
MSK	2-3-04	1000	ON-UP	—	ECO	0-10	10727.69	.00	0.02	0.03	0.03
MSK	3-24-04	1145	ON	—	ECO	0-10	11424.95	0.00	0.02	0.03	0.03
MSK	4-14-04	1045	ON	—	ECO	0-10	11676.10	0.00	0.02	0.02	0.03
MSK	4-15-04	1300	ON	—	ECO	0-10	11685.29	0.00	0.02	0.02	0.03
MSK	4-16-04	0605	ON	—			11693.80				

Initials	Date	Well Data																			
		S-1		S-2		S-3		S-4		S-5		S-6		S-7		S-8		S-9		S-10	
		Press	O ₃	Press	O ₃	Press	O ₃	Press	O ₃	Press	O ₃	Press	O ₃	Press	O ₃	Press	O ₃	Press	O ₃	Press	O ₃
MSK	1-16	12.5	0.03	11.0	0.05	18.5	0.06	16.5	0.06	17.5	0.07	17.0	0.08	16.0	0.08	20.0	0.06	16.0	0.08	20.0	0.03
MSK	2/3	12.3	0.03	11.5	0.05	18.2	0.05	16.5	0.06	18.2	0.07	17.3	0.07	16.0	0.08	19.0	0.06	16.0	0.07	18.2	0.04
MSK	3-24-04	31.0	0.03	18.3	0.03	37.5	0.04	26.0	0.04	34.0	0.04	33.2	0.04	32.3	0.04	41.5	0.04	23.0	0.04	31.0	0.04
MSK	4-14-04	32.0	0.10	19.0	0.03	38.7	0.04	26.0	0.04	37.7	0.04	37.1	0.04	32.8	0.04	41.8	0.04	23.8	0.04	29.5	0.04
MSK	4-15-04																				
MSK	4-15-04																				
Units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Initials	Date	Weather Conditions (estimated)			Temp in Ozone Panel	Monthly Sampling		System Status on Departure On/Off	Ozone Badge Color (White/Tan/ Brown)
		Wind Dir.	Wind Speed	MW-1 ORP (mV)		MW-7 ORP (mV)			
MSK	1-16	NE	3 mph	55°	3 Voa	3 Voa	ON	TAN	
MSK	2/3	N	3-5 mph	50°	238	72	ON	TAN	
MSK	3-24-04	NE	3-5 mph	65°	169	56	ON	TAN	
MSK	4-14-04	NW	5 mph	60°	-4	42	ON	TAN	
MSK	4-15-04	NW	5-7 mph	62°F	N/A	N/A	ON	TAN	
MSK	4-16-04	E	5 mph	52°F	—	—	ON	TAN	

System Maintenance	Frequency	Date Performed					
Check integrity of All Hoses, Fittings, Piping, Valves	Monthly	1-16-04	2-3-04	3-24-04	4-14-04	4-15-04	4-16-04
Measure Blower Running Amperage	Monthly			3-24-04	4-14-04	4-15-04	✓
Air Filter-Visually Inspect	Monthly	1-16-04	2-3-04	3-24-04	4-14-04	—	—
Sparge Blower-Check V-belt Tension and Condition	Monthly			N/A	—	—	—
Sparge Blower-Grease Bearings	Monthly			N/A	—	—	—
Check/Test All Safety Override systems	Monthly			N/A	—	—	—
Sample Monitoring Wells	Monthly	1-16-04	2-3-04	3-24-04	4-14-04	—	—
Sparge Blower-Replace Oil	Bimonthly			N/A	—	—	—
Sparge Blower-Adjust or Replace as Necessary	As-Needed	—	—	N/A	—	—	—
Air Filter-Replace as Necessary	As-Needed	—	—	N/A	—	—	—

DEP. Time
1230

NOTES AND DESCRIPTION OF ACTIVITIES ON SITE

1-16-04 - Solenoid #8 was leaking badly. Tightened it and it was fine
many of the fitting were loose. I tightened all connections
2-3-04 - Pressure appear on the low side. Compressor
could be failing. I will continue to troubleshoot
3-24-04 - Solenoid #10 is sticking open and robbing the
pressure from the other solenoid valves. #5 also stick
4-14-04 Compressor beginning to leak ozone - 18 ppm - Need rebuild kit.
#10 still sticking - #5 still sticking - #9 - still sticking
4-15-04 - Troubleshooting Time counter. I timed it for 30 min and the time
counter turned 50% of 1 hr.
4-16-04 showed up early to check Program A. Counter still
off from program. I will check Program G tonight - Possibly
Kwik-Mart may be interrupting the electrical

Field Data Sheet
Ozone Sparge System

ConocoPhillips Site # 1871
96 MacArthur Blvd
Oakland, California

Requested By: Amy Draffan
Lab: STL

~~X~~ NEW
METER
SEE NOTES

Initials	Date	Time	System Status on Arrival On/Off	Electrical Meter Reading	Ozone Meter		X Holmiummeter	Ozone Readings			
					Brand	Range		Outside Compound (ppm)	Inside Compound (ppm)	Inside Shed/Panel (ppm)	Secondary Containment (ppm)
MSK	4/19	1130	ON	—	ECO	0-10	11742.90	0.02	0.02	0.04	0.20+
MSK	4/23	1115	ON	—	ECO	0-10	11773.10	0.02	0.03	0.06	0.08
MSK	5/04	0830	OFF	—	ECO	0-10	11832.70	0.02	0.02	0.03	0.03
MSK	5/11	1400	ON	—	ECO	0-10	11950.51	0.00	0.02	0.03	0.03
MSK	6/14	1300	ON	—	ECO	0-10	12464.64	0.00	0.00	0.02	0.03

Initials	Date	Well Data																				
		1		2		3		4		5		6		7		8		9		10		
		Press	O ₃	Press	O ₃	Press	O ₃	Press	O ₃	Press	O ₃	Press	O ₃	Press	O ₃	Press	O ₃	Press	O ₃	Press	O ₃	
MSK	4/19																					
MSK	4/23																					
MSK	5/04	32.2	0.02	20.5	0.02	39.4	0.02	36.2	0.02	38.1	0.02	32.0	0.02	33.5	0.02	60+		25.8	0.02	33.1	0.02	
MSK	5/11	32.5	0.03	20.0	0.03	36.5	0.03	29.8	0.04	38.8	0.04	39.5	0.04	34.8	0.04	60+ Bypass		23.5	0.04	35.9	0.04	
MSK	6/14	20.0	0.03	21.0	0.03	38.8	0.03	27.2	0.03	37.0	0.03	38.2	0.03	35.2	0.03	60+ Bypass		24.0	0.03	32.1	0.03	
Units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	

Initials	Date	Weather Conditions (estimated)		Temp in Ozone Panel	Monthly Sampling		System Status on Departure On/Off	Ozone Badge Color (White/Tan/Brown)
		Wind Dir.	Wind Speed		MW-1 ORP (mV)	MW-7 ORP (mV)		
MSK	4/19	NE	5-7 mph	50°F	—	—	ON	TAN
MSK	4/23	NE	1-3	62°F	—	—	ON	TAN
MSK	5/04	NE	3-5	60°F	—	—	ON	TAN
MSK	5/11	NE	8-10 mph	62°F	U.R.	-3	ON	TAN
MSK	6/14	NW	3-5	70°	20	35	ON	TAN

DO
MW-1 MW-7
5.25 1.45

UR = Under Range
The range for DO is 0.0 to 1.0 (mV)

Field Data Sheet
Ozone Sparge System

ConocoPhillips Site # 1871
96 MacArthur Blvd
Oakland, California

Old meter ENDZP
A 12464.79 at 13:45 4%

Requested By: Amy Draffan

NEW HOUR METER Lab: STL
0000.09 AT 1400 ON 6/4/04

System Maintenance	Frequency	Date Performed					
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	4-19-04	4-23-04	5-04-04	5-11-04	6-14-04	
Measure Blower Running Amperage	Monthly	4-19-04	4-23-04	5-04-04	5-11-04	6-14-04	
Air Filter-Visually Inspect	Monthly	4-19-04	4-23-04	05-04-04	5-11-04	6-14-04	
Sparge Blower-Check V-belt Tension and Condition	Monthly	N/A	—	N/A	N/A	—	
Sparge Blower-Grease Bearings	Monthly	N/A	—		N/A	—	
Check/Test All Safety Override systems	Monthly	N/A	4-23-04		5-11-04	6-14-04	
Sample Monitoring Wells	Monthly	N/A	—		5-11-04	6-14-04	
Sparge Blower-Replace Oil	Bimonthly	N/A	—		N/A	—	
Sparge Blower-Adjust or Replace as Necessary	As-Needed	N/A	—		N/A	—	
Air Filter-Replace as Necessary	As-Needed	—	—		NO	—	

Dep 1600

NOTES AND DESCRIPTION OF ACTIVITIES ON SITE

4-19-04 - Fitting to #5 very loose and leaking - Replaced and tightened. #10 had a rip in the line. I repaired it #8 I bypassed. I need to replace some tubing and fitting. I should be getting those this week.

4-23-04 - Visit to check sticking solenoid valves - will order. Get part # to order new time counter.

5-4-04 - Installed rebuilt compressor - changed out the fitting to solenoid #8. I ordered a new counter, will be here next week. I also ordered new solenoid valves to replace the 3 that are sticking - #5, #8 and 10. The pressure to #8 was 60+ and bogging down the compressor. I am going to keep bypassing #8 until I change out.

5-11-04 - I ordered a new Time Counter. It has not come in yet. Values are on order as well. 5, 8, & 10 continue to stick.
6/4 Replaced sticking solenoid valves 4, 5, 8 & 10.
Replaced Time counter —

ATTACHMENT B
CERTIFIED LABORATORY ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY DOCUMENTATION

Quarterly Remedial Performance Summary

76 Service Station No. 1871

96 MacArthur Boulevard

Oakland, CA

SECOR Project No.: 77CP.60004.01.1871

SECOR-Sacramento

April 28, 2004

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

Attn.: Amy Draffan

Project#: 77CP.60004.00.1871

Project: Conoco Phillips Site #1871

Site: 96 MacArthur Blvd., Oakland, CA

Attached is our report for your samples received on 04/14/2004 13:35

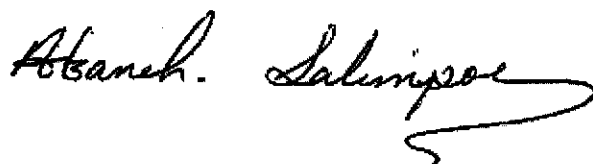
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 05/29/2004 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: asalimpour@stl-inc.com

Sincerely,



Afsaneh Salimpour
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 * CA DHS ELAP# 2496

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

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

Project: 77CP.60004.00.1871
Conoco Phillips Site #1871

Received: 04/14/2004 13:35

Site: 96 MacArthur Blvd., Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	04/14/2004 11:00	Water	1
MW-7	04/14/2004 11:15	Water	2

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

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

Project: 77CP.60004.00.1871
Conoco Phillips Site #1871

Received: 04/14/2004 13:35

Site: 96 MacArthur Blvd., Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/04/27-1A.65-018

Water

Test(s): 8260B

QC Batch # 2004/04/27-1A.65

Date Extracted: 04/27/2004 08:18

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/27/2004 08:18	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/27/2004 08:18	
Benzene	ND	0.5	ug/L	04/27/2004 08:18	
Toluene	ND	0.5	ug/L	04/27/2004 08:18	
Ethylbenzene	ND	0.5	ug/L	04/27/2004 08:18	
Total xylenes	ND	1.0	ug/L	04/27/2004 08:18	
Surrogates(s)					
1,2-Dichloroethane-d4	100.0	76-114	%	04/27/2004 08:18	
Toluene-d8	91.4	88-110	%	04/27/2004 08:18	

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

04/27/2004 17:21

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

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

Project: 77CP.60004.00.1871
 Conoco Phillips Site #1871

Received: 04/14/2004 13:35

Site: 96 MacArthur Blvd., Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/04/27-1A.65

LCS 2004/04/27-1A.65-030

Extracted: 04/27/2004

Analyzed: 04/27/2004 07:30

LCSD 2004/04/27-1A.65-054

Extracted: 04/27/2004

Analyzed: 04/27/2004 07:54

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.4	21.6	25	85.6	86.4	0.9	65-165	20		
Benzene	22.1	23.1	25	88.4	92.4	4.4	69-129	20		
Toluene	22.6	21.3	25	90.4	85.2	5.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	441	443	500	88.2	88.6		76-114			
Toluene-d8	494	482	500	98.8	96.4		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

04/27/2004 17:21

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

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

Project: 77CP.60004.00.1871
Conoco Phillips Site #1871

Received: 04/14/2004 13:35

Site: 96 MacArthur Blvd., Oakland, CA

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.

STL

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 04 - 0481

Checklist completed by: (Initials) RSJ Date: 04 / 16 / 04

Courier name: STL San Francisco Client _____

Custody seals intact on shipping container/samples

Yes ___ No ___ Not Present

Chain of custody present?

Yes No ___

Chain of custody signed when relinquished and received?

Yes No ___

Chain of custody agrees with sample labels?

Yes No ___

Samples in proper container/bottle?

Yes No ___

Sample containers intact?

Yes No ___

Sufficient sample volume for indicated test?

Yes No ___

All samples received within holding time?

Yes No ___

Container/Temp Blank temperature in compliance ($4^{\circ}C \pm 2$)?

Temp: 6.0 °C Yes No ___

Water - VOA vials have zero headspace?

Ice Present Yes No ___

No VOA vials submitted Yes No ___

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small - ○), M (medium - ○) or L (large - ○))

Water - pH acceptable upon receipt? Yes No

pH adjusted- Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc - Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (Initials) _____ Date: _____ / _____ / 04

Client contacted: Yes No

Summary of discussion:

Corrective Action (per PM/Client):

STL-San Francisco

2004-04-0481

ConocoPhillips Chain Of Custody Record

84811

1220 Quarry Lane
Pleasanton, CA 94568
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA 92704

11205EC 550/551

DATE: 4-14-04

PAGE: 01 of 01

SAMPLER COMPANY: SECOR International Inc		VALID VALUE ID:	CONOCOPHILLIPS SITE NUMBER: 1871		GLOBAL ID NO.:
ADDRESS: 3017 Kilgore Rd Suite 100, Rancho Cordova, CA 95670		SITE ADDRESS (Street and City): 98 MacArthur Blvd, Oakland, California			CONOCOPHILLIPS SITE MANAGER: Dave DeWitt
PROJECT CONTACT (Hardcopy or PDF Report to): Amy Draffan		EOD DELIVERABLE TO (BIP or Designee): Amy Draffan		PHONE NO.:	EMAIL:
TELEPHONE: (916) 861-0400 x.235	FAX: (916) 861-0430	EMAIL: adraffan@secor.com		(916) 861-0400 ext. 235	adraffan@secor.com

SAMPLER NAME(s) (Print): Maureen Kean	CONSULTANT PROJECT NUMBER: 77CP.60004.00.1871	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 EDO IS NEEDED:

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 / 6 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MIBE	Lead	Total OSLC, OSLP	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes: 6.0°C	
	DATE	TIME												TEMPERATURE ON RECEIPT: CA	

Sample Identification/Field Point Name*	DATE	TIME	MATRIX	NO. OF CONT.	8015M - TPHd Extractable	8260B - TPHg/BTEX/MIBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 6 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MIBE	Lead	Total OSLC, OSLP	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes: 6.0°C	
MW-1	4/14	1100	Water	3	X										
MW-7	4/14	1115	Water	9	X										

Released by: (Signature) <i>Maureen Kean</i>	Received by: (Signature) <i>Dee Hutchinson</i>	Date: 4-14-04	Time: 335
Released by: (Signature)	Received by: (Signature)	Date:	Time:
Released by: (Signature)	Received by: (Signature)	Date:	Time:

SECOR-Sacramento

May 24, 2004

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

Attn.: Amy Draffan

Project#: 77CP.60004.00.1871

Project: Conoco Philips Site # 1871

Site: 96 MacArthur Blvd, Oakland, California

Attached is our report for your samples received on 05/11/2004 16:30

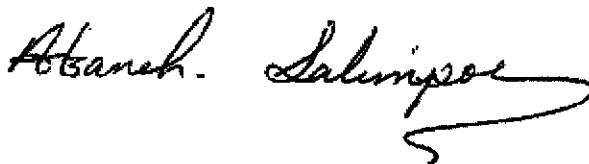
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 06/25/2004 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: asalimpour@stl-inc.com

Sincerely,



Afsaneh Salimpour
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 * CA DHS ELAP# 2496

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430Project: 77CP.60004.00.1871
Conoco Phillips Site # 1871

Received: 05/11/2004 16:30

Site: 96 MacArthur Blvd, Oakland, California

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/11/2004 14:00	Water	1
MW-7	05/11/2004 14:15	Water	2

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

05/24/2004 12:17

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

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

Project: 77CP.60004.00.1871
Conoco Phillips Site # 1871

Received: 05/11/2004 16:30

Site: 96 MacArthur Blvd, Oakland, California

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-1 Lab ID: 2004-05-0388 - 1
Sampled: 05/11/2004 14:00 Extracted: 5/22/2004 01:13
Matrix: Water QC Batch#: 2004/05/21-2B.68
Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	7800	1000	ug/L	20.00	05/22/2004 01:13	
Benzene	160	10	ug/L	20.00	05/22/2004 01:13	
Toluene	ND	10	ug/L	20.00	05/22/2004 01:13	
Ethylbenzene	170	10	ug/L	20.00	05/22/2004 01:13	
Total xylenes	700	20	ug/L	20.00	05/22/2004 01:13	
Methyl tert-butyl ether (MTBE)	720	10	ug/L	20.00	05/22/2004 01:13	
Surrogate(s)						
1,2-Dichloroethane-d4	113.1	76-114	%	20.00	05/22/2004 01:13	
Toluene-d8	93.9	88-110	%	20.00	05/22/2004 01:13	

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

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

Project: 77CP.60004.00.1871
Conoco Philips Site # 1871

Received: 05/11/2004 16:30

Site: 96 MacArthur Blvd, Oakland, California

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-7 Lab ID: 2004-05-0388 - 2
Sampled: 05/11/2004 14:15 Extracted: 5/22/2004 01:32
Matrix: Water QC Batch#: 2004/05/21-2B.68
Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	8300	5000	ug/L	100.00	05/22/2004 01:32	g
Benzene	ND	50	ug/L	100.00	05/22/2004 01:32	
Toluene	ND	50	ug/L	100.00	05/22/2004 01:32	
Ethylbenzene	ND	50	ug/L	100.00	05/22/2004 01:32	
Total xylenes	ND	100	ug/L	100.00	05/22/2004 01:32	
Methyl tert-butyl ether (MTBE)	11000	50	ug/L	100.00	05/22/2004 01:32	
Surrogate(s)						
1,2-Dichloroethane-d4	109.2	76-114	%	100.00	05/22/2004 01:32	
Toluene-d8	97.2	88-110	%	100.00	05/22/2004 01:32	

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

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

Project: 77CP.60004.00.1871
 Conoco Phillips Site # 1871

Received: 05/11/2004 16:30

Site: 96 MacArthur Blvd, Oakland, California

Batch QC Report

Prep(s): 5030B
 Method Blank
 MB: 2004/05/21-2B.68-043

Water

Test(s): 8260B
 QC Batch # 2004/05/21-2B.68
 Date Extracted: 05/21/2004 18:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/21/2004 18:43	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/21/2004 18:43	
Benzene	ND	0.5	ug/L	05/21/2004 18:43	
Toluene	ND	0.5	ug/L	05/21/2004 18:43	
Ethylbenzene	ND	0.5	ug/L	05/21/2004 18:43	
Total xylenes	ND	1.0	ug/L	05/21/2004 18:43	
Surrogates(s)					
1,2-Dichloroethane-d4	102.0	72-128	%	05/21/2004 18:43	
Toluene-d8	98.4	80-113	%	05/21/2004 18:43	

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

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

Project: 77CP.60004.00.1871
Conoco Phillips Site # 1871

Received: 05/11/2004 16:30

Site: 96 MacArthur Blvd, Oakland, California

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/05/21-2B.68

LCS 2004/05/21-2B.68-005

Extracted: 05/21/2004

Analyzed: 05/21/2004 18:05

LCSD 2004/05/21-2B.68-024

Extracted: 05/21/2004

Analyzed: 05/21/2004 18:24

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.8	20.3	25	87.2	81.2	7.1	65-165	20		
Benzene	19.8	18.9	25	79.2	75.6	4.7	69-129	20		
Toluene	22.0	20.3	25	88.0	81.2	8.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	480	491	500	96.0	98.2		72-128			
Toluene-d8	508	510	500	101.6	102.0		80-113			

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

05/24/2004 12:17

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

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

Project: 77CP.60004.00.1871
Conoco Philips Site # 1871

Received: 05/11/2004 16:30

Site: 96 MacArthur Blvd, Oakland, California

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.

STL San Francisco

Sample Receipt Checklist

Submission #: 2004-05-0388

Checklist completed by: (initials) JIM Date: 05/12/04

Courier name: [] STL San Francisco [x] Client

Custody seals intact on shipping container/samples

Chain of custody present?

Chain of custody signed when relinquished and received?

Chain of custody agrees with sample labels?

Samples in proper container/bottle?

Sample containers intact?

Sufficient sample volume for indicated test?

All samples received within holding time?

Container/Temp Blank temperature in compliance (4° C ± 2)?

Water - VOA vials have zero headspace?

Yes ___ No ___ Not Present [x]

Yes [x] No ___

Yes [x] No ___

Yes [x] No ___

Yes [x] No ___

Yes [x] No ___

Yes [x] No ___

Yes [x] No ___

Temp: 3 °C Yes [x] No ___

Ice Present Yes [x] No ___

No VOA vials submitted Yes [x] No ___

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O))

Water - pH acceptable upon receipt? [] Yes [] No

[] pH adjusted- Preservative used: [] HNO3 [] HCl [] H2SO4 [] NaOH [] ZnOAc -Lot #(s)

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) Date: / /04

Client contacted: [] Yes [] No

Summary of discussion:

Corrective Action (per PM/Client):

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1818 (925) 484-1096 fax

ConocoPhillips Chain Of Custody Record

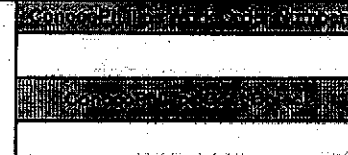
85724

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

2004-05-0388

CONOCOPHILLIPS
Attn: Dee Hutchinson
3617 South Harbor, Suite 200
Santa Ana, CA 92704



DATE: 5-11-04

PAGE: 01 of 01

SAMPLING COMPANY: SECOR International Inc		WHS VALUE ID:	CONOCOPHILLIPS SITE NUMBER: 1871		GLOBAL B INC.:
ADDRESS: 3017 Kilgore Rd Suite 500, Rancho Cordova, CA 95870		SITE ADDRESS (Street and City): 66 MacArthur Blvd, Oakland, California			CONOCOPHILLIPS SITE MANAGER: Dave DeWitt
PROJECT CONTACT (hardcopy or PDF Report to): Amy Draffan		EPC DELIVERABLE TO (for or designate): Amy Draffan		PHONE NO.:	EMAIL:
TELEPHONE: (916) 861-0400 x 235	FAX: (916) 861-0430	E-MAIL: adraffan@secor.com	PHONE NO.:	EMAIL: adraffan@secor.com	
SAMPLER NAME(S) (FNU): Maureen Keen		CONSULTANT PROJECT NUMBER: 77CP.60004.00.1871			

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 EOC IS NEEDED

Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015M - TPHid Extractable	8280B - TPHg/BTEX/MIBE	8280B - TPHg/BTEX / 8 Oxygenates + methanol (8015M)	8280B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8616M / 8021B - TPHg/BTEX/MIBE	Lead	Total	STIC	DTCLP
MW-1	5/11	1400	Water	3	X									
MW-7	5/11	1415	Water	3	X									

* Field Point name only required if different from Sample ID

Sample Identification/Field Point Name*	SAMPLING		MATRIX	NO. OF CONT.	8015M - TPHid Extractable	8280B - TPHg/BTEX/MIBE	8280B - TPHg/BTEX / 8 Oxygenates + methanol (8015M)	8280B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8616M / 8021B - TPHg/BTEX/MIBE	Lead	Total	STIC	DTCLP
	DATE	TIME												
MW-1	5/11	1400	Water	3	X									
MW-7	5/11	1415	Water	3	X									

FIELD NOTES:
 Container/Preservative
 or PID Readings
 or Laboratory Notes

3.0

TEMPERATURE ON RECEIPT OF

Requested by: (Signature) <i>Maureen Keen</i>	Received by: (Signature) <i>[Signature]</i>	Date: <u>5-11-04</u>	Time: <u>1630</u>
Requested by: (Signature)	Received by: (Signature)	Date:	Time:
Requested by: (Signature)	Received by: (Signature)	Date:	Time:

SECOR-Sacramento

June 28, 2004

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

Attn.: Amy Draffan

Project#: 77CP.60004.00.1871

Project: Conoco Phillips #1871

Site: 96 MacArthur Blvd., Oakland, CA

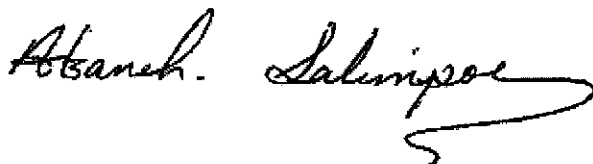
Attached is our report for your samples received on 06/15/2004 14:00
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
07/30/2004 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: asalimpour@stl-inc.com

Sincerely,



Afsaneh Salimpour
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 * CA DHS ELAP# 2496

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

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

Project: 77CP.60004.00.1871
Conoco Phillips #1871

Received: 06/15/2004 14:00

Site: 96 MacArthur Blvd., Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	06/14/2004 12:30	Water	1
MW-7	06/14/2004 12:00	Water	2

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

08/25/2004 15:11

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

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

Project: 77CP.60004.00.1871
Conoco Phillips #1871

Received: 06/15/2004 14:00

Site: 96 MacArthur Blvd., Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-1	Lab ID: 2004-06-0471 - 1
Sampled: 06/14/2004 12:30	Extracted: 6/23/2004 13:46
Matrix: Water	QC Batch#: 2004/06/23-1C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	110	50	ug/L	1.00	06/23/2004 13:46	
Benzene	ND	0.50	ug/L	1.00	06/23/2004 13:46	
Toluene	ND	0.50	ug/L	1.00	06/23/2004 13:46	
Ethylbenzene	1.0	0.50	ug/L	1.00	06/23/2004 13:46	
Total xylenes	6.4	1.0	ug/L	1.00	06/23/2004 13:46	
Methyl tert-butyl ether (MTBE)	3.4	0.50	ug/L	1.00	06/23/2004 13:46	
Surrogate(s)						
1,2-Dichloroethane-d4	85.1	72-128	%	1.00	06/23/2004 13:46	
Toluene-d8	100.3	80-113	%	1.00	06/23/2004 13:46	

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

06/25/2004 15:11

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

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

Project: 77CP.60004.00.1871
Conoco Phillips #1871

Received: 06/15/2004 14:00

Site: 96 MacArthur Blvd., Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/06/22-2B.64-044

Water

Test(s): 8260B

QC Batch # 2004/06/22-2B.64

Date Extracted: 06/22/2004 17:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/22/2004 17:44	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/22/2004 17:44	
Benzene	ND	0.5	ug/L	06/22/2004 17:44	
Toluene	ND	0.5	ug/L	06/22/2004 17:44	
Ethylbenzene	ND	0.5	ug/L	06/22/2004 17:44	
Total xylenes	ND	1.0	ug/L	06/22/2004 17:44	
Surrogates(s)					
1,2-Dichloroethane-d4	93.0	72-128	%	06/22/2004 17:44	
Toluene-d8	98.4	80-113	%	06/22/2004 17:44	

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06/25/2004 15:11

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

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

Project: 77CP.60004.00.1871
 Conoco Phillips #1871

Received: 06/15/2004 14:00

Site: 96 MacArthur Blvd., Oakland, CA

Batch QC Report

Prep(s): 5030B
Method Blank
 MB: 2004/06/23-1C.68-033

Water

Test(s): 8260B
QC Batch # 2004/06/23-1C.68
 Date Extracted: 06/23/2004 09:33

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/23/2004 09:33	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/23/2004 09:33	
Benzene	ND	0.5	ug/L	06/23/2004 09:33	
Toluene	ND	0.5	ug/L	06/23/2004 09:33	
Ethylbenzene	ND	0.5	ug/L	06/23/2004 09:33	
Total xylenes	ND	1.0	ug/L	06/23/2004 09:33	
Surrogates(s)					
1,2-Dichloroethane-d4	85.8	72-128	%	06/23/2004 09:33	
Toluene-d8	96.6	80-113	%	06/23/2004 09:33	

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

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Rancho Cordova, CA 95670
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Project: 77CP.60004.00.1871
Conoco Phillips #1871

Received: 06/15/2004 14:00

Site: 96 MacArthur Blvd., Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/06/22-2B.64

LCS 2004/06/22-2B.64-000

Extracted: 06/22/2004

Analyzed: 06/22/2004 17:00

LCSD 2004/06/22-2B.64-022

Extracted: 06/22/2004

Analyzed: 06/22/2004 17:22

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.5	25.4	25	102.0	101.6	0.4	65-165	20		
Benzene	27.7	27.8	25	110.8	111.2	0.4	69-129	20		
Toluene	28.4	27.6	25	113.6	110.4	2.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	443	444	500	88.6	88.8		72-128			
Toluene-d8	482	487	500	96.4	97.4		80-113			

Severn Trent Laboratories, Inc.

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06/25/2004 15:11

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

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

Project: 77CP.60004.00.1871
 Conoco Phillips #1871

Received: 06/15/2004 14:00

Site: 96 MacArthur Blvd., Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/06/23-1C.68

LCS: 2004/06/23-1C.68-055

Extracted: 06/23/2004

Analyzed: 06/23/2004 08:55

LCSD: 2004/06/23-1C.68-014

Extracted: 06/23/2004

Analyzed: 06/23/2004 09:14

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	20.8	20.7	25	83.2	82.8	0.5	65-165	20		
Benzene	23.9	25.0	25	95.6	100.0	4.5	69-129	20		
Toluene	25.8	28.4	25	103.2	113.6	9.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	394	402	500	78.8	80.4		72-128			
Toluene-d8	454	491	500	90.8	98.2		80-113			

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06/25/2004 15:11

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

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

Project: 77CP.60004.00.1871

Conoco Phillips #1871

Received: 06/15/2004 14:00

Site: 96 MacArthur Blvd., Oakland, CA

Legend and Notes

Analysis Flag

o

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

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

06/25/2004 15:11

STL San Francisco

Sample Receipt Checklist

Submission #: 2004-06-0471

Checklist completed by: (initials) NVA Date: 06/15/04

Courier name: STL San Francisco Client

- Custody seals intact on shipping container/samples Yes ___ No ___ Not Present
- Chain of custody present? Yes No ___
- Chain of custody signed when relinquished and received? Yes No ___
- Chain of custody agrees with sample labels? Yes No ___
- Samples in proper container/bottle? Yes No ___
- Sample containers intact? Yes No ___
- Sufficient sample volume for indicated test? Yes No ___
- All samples received within holding time? Yes No ___
- Container/Temp Blank temperature in compliance ($4^{\circ}C \pm 2$)? Temp 12.0 °C Yes ___ No
- Ice Present Yes No ___
- Water - VOA vials have zero headspace? No VOA vials submitted Yes No ___

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small - O), M (medium - O) or L (large - O))

Water - pH acceptable upon receipt? Yes No

pH adjusted - Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc - Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: SMALL AMOUNT OF ICE

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ___/___/04

Client contacted: Yes No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

2004-06-0471
 STL-San Francisco

ConocoPhillips Chain Of Custody Record

86881

1220 Quarry Lane

Pleasanton, CA 94568

(925) 484-1919 (925) 484-1098 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

CONOCOPHILLIPS
 Attn: Dee Hutchinson
 3611 South Harbor, Suite 200
 Santa Ana, CA. 92704

Cardinal File # 3600 Number
 36000100000000000000

DATE: 6-14-04
 PAGE: 01 of 01

SAMPLING COMPANY: SECOR International Inc		Site Name ID:	CONOCOPHILLIPS SITE NUMBER 1571	GLOBAL ID NO.:
ADDRESS: 3017 Elgin Rd Suite 100, Rancho Cordova, CA 95670		SITE ADDRESS (Street and City): 96 MacArthur Blvd, Oakland, California		CONOCOPHILLIPS SITE MANAGER: Dave DeWitt
PROJECT CONTACT (Name only or PDF Report to): Amy Draffan		EDF DELIVERABLE TO (PP or Designee): Amy Draffan	PHONE NO.:(916) 861-0400 ext 235	E-MAIL: adraffan@secor.co
TELEPHONE: (916) 861-0400 x 235	FAX: (916) 861-0430	E-MAIL: adraffan@secor.com		
SAMPLER NAME(s) (Print): Maureen Kean	CONSULTANT PROJECT NUMBER: 77CP.80004.00.1874			

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 EDF 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"/> DTCLP												
	X																		
	X																		

FIELD NOTES:
 Contains Preservative
 of PID Readings
 or Laboratory Notes

TEMPERATURE ON RECEIPT C:
 10.0

* Field Point name only required if different from Sample ID

Sample Identification/Field Point Name*	SAMPLING		MAYN#	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"/> DTCLP								
	DATE	TIME																		
MW-1	4/14	1230	Water	3		X														
MW-7	4/14	1200	Water	3		X														

Released by: (Signature) Maureen A Kean	Received by: (Signature) [Signature]	Date: 6/15/04	Time: 1400
Released by: (Signature)	Received by: (Signature) [Signature]	Date: 6/15/04	Time: 1400
Released by: (Signature)	Received by: (Signature)	Date:	Time: