



SECOR
INTERNATIONAL
INCORPORATED

Ro 455
www.secor.com
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
916-861-0400 TEL
916-861-0430 FAX

April 26, 2004

Mr. Thomas Kosel
ConocoPhillips
76 Broadway
Sacramento, CA 95818

Alameda County
MAY 06 2004
Environmental Health

RE: **Quarterly Remedial Performance Summary-First 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. Attachment A presents the remedial performance summary for the First Quarter 2004. Field Data Sheets are presented as Attachment B. Certified laboratory analytical reports and chain of custody documentation is presented as Attachment C. 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 EVALUATION

Ozone Injection Operation

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 continuously. However, the hourmeter did not show that the system had operated the correct number of hours. SECOR is troubleshooting this problem.

Ozone Injection Effectiveness

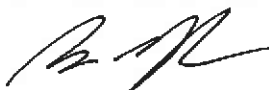
The effectiveness of the ozone injection system in causing breakdown of contaminants beneath the site is determined by groundwater sampling. Monthly groundwater samples were collected from monitoring wells MW-1 and MW-7 on January 16, February 3, and March 24, 2004 and analyzed for total petroleum hydrocarbons 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 A-1 and A-2. Field data sheets are provided in Attachment B. Certified laboratory analytical reports and chain-of-custody documentation are provided in Attachment C.

SECOR

Quarterly Remedial Performance Summary
April 26, 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



Attachments: Figure 1 – Site Plan

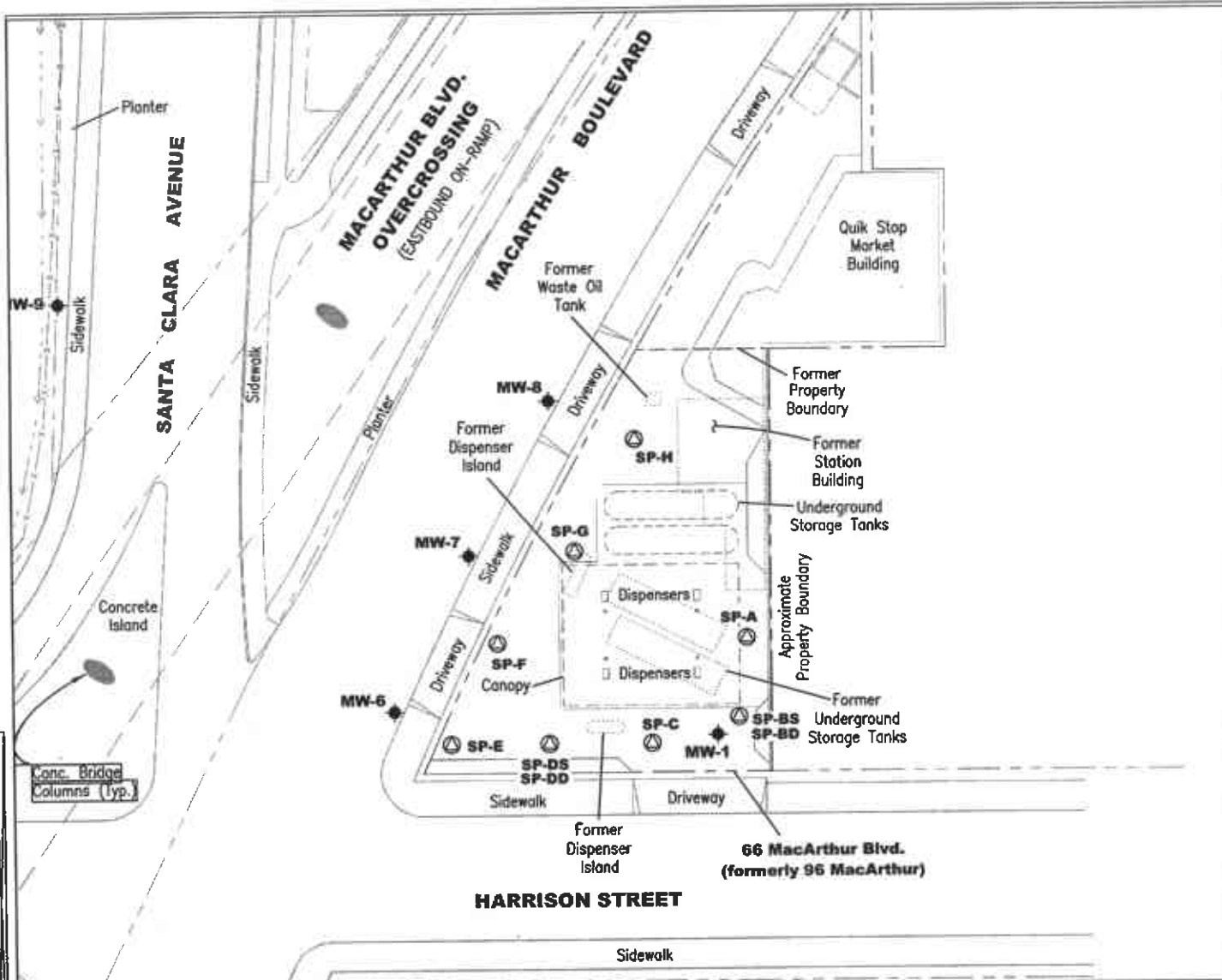
Attachment A – Quarterly Remedial Performance Summary – First
Quarter 2004

Attachment B – Field Data Sheets

Attachment C – Certified 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: 3/22/04 PR
 JOB NO.: 77CP-60004.01
 CAD FILE: SITEPLAN

PREPARED BY:

SECOR
 2017 KILGORE ROAD, SUITE 109
 RANCHO CORDOVA, CA 95670

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

FIGURE 1
 SITE PLAN

ATTACHMENT A
QUARTERLY REMEDIAL PERFORMANCE SUMMARY—
FIRST QUARTER 2004

Quarterly Remedial Performance Summary
76 Service Station No. 1871
96 MacArthur Boulevard
Oakland, CA

SECOR PROJECT NO.: 77CP.60004.01.1871

**ATTACHMENT A
REMEDIAL ACTION PERFORMANCE SUMMARY: FIRST QUARTER 2004
Ozone Sparge System**

Site Name: 76 Service Station No. 1871
Site Address: 96 Mcarthur Blvd., Oakland

Start-up Date: 4/02
Estimated Shutdown Date: NA

REMEDIAL OBJECTIVES

OPERATIONAL DATA (First Quarter 2004)

Ozone Sparge Treatment System Data

	January	February	March	Cumulative
Operational Status	Operational	Operational	Operational	
Mass Ozone Injected (lbs)	6.0	2.3	6.3	103

TPHg, Benzene and MtBE Summary

	January	February	March
MW1 Concentration TPHg (µg/L)	50	50	55
Concentration Benzene(µg/L)	1	<0.50	<0.5
Concentration MtBE (µg/L)	2	2	7.8
MW7 Concentration TPHg (µg/L)	17,000	10,000	13,000
Concentration Benzene(µg/L)	160	<25	<100
Concentration MtBE (µg/L)	19,000	15,000	15,000

REMEDIAL ACTION PERFORMANCE EVALUATION

ACTIONS/RECOMMENDATIONS

- o Continue operation of the ozone sparge system

NOTES:

ppmv = Parts per million by volume
 cfm = Cubic feet per minute
 lbs = Pounds
 SVE = Soil Vapor extraction
 ND = Not detected above the detection limit
 TPHg = Total petroleum hydrocarbons as gasoline
 MtBE = Methyl tert-butyl ether
 -- = Not available

Note: When appropriate, tabulated data is followed by graphical presentation.

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

Date	OZONE SPARGE SYSTEM							OZ-1	OZ-2	OZ-3	OZ-4	OZ-5	OZ-6	OZ-7	OZ-8	OZ-9	OZ-10	Cycling Configuration/Comments
	System Status on Arrival (On/Off)	System Status on Deprature (On/Off)	Hourmeter Reading	Cummulative Online Factor	Period Online Factor	Ozone Injected (lbs)	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	8307.26	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	28	29	31	35	24	25		
8/30/03	On	On	9180.81	0.88	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	9696.55	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	26.0	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	26.0	34.0	33.2	32.3	41.5	23.0	31.0		
Sparge time per cycle (min)							7	7	7	7	7	7	7	7	7	7	7	a
Reporting Period: First Quarter 2004 (1/16/04 to 3/24/04) Total Hours Operational: 11,425 Total Pounds Ozone Injected: 103 Period Hours Operational: 954 Period Percent Operational: 81% Period Pounds Ozone Injected: 9																		
Definitions: psi Pounds per square inch scfm Standard cubic feet per minute -- Data not available NA Not applicable Notes: a System cycles through program 18 times per day, for 87.5% utilization																		

Table A-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)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (total) (µg/L)	MtBE (µg/L)	ORP (mV)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (total) (µg/L)	MtBE (µg/L)	ORP (mV)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (total) (µg/L)	MtBE (µg/L)
4/16/2003	a	NM	510	57	0.62	29	61	160	NM	270	<0.50	<0.50	<0.50	1.3	15	NM	<25,000	<250	<250	<250	<500	37,000
6/23/2003	a	NM	75	<0.50	<0.50	<0.50	5.3	12	NM	--	--	--	--	--	NM	20,000	260	<0.50	<0.50	<1.0	20,000	
8/29/2003	a	NM	11,000	64	<10	330	1,400	440	NM	--	--	--	--	--	NM	<10,000	<100	<100	<100	<200	24,000	
9/18/2003		NM	390	2.3	<0.50	3.6	31	30	NM	<50	<0.50	<0.50	<0.50	<1.0	1.8	NM	--	--	--	--	--	
10/16/2003		NM	2100	6.0	<0.50	24.0	120	110	NM	<50	0.83	<0.50	<0.50	<1.0	<0.50	NM	--	--	--	--	--	
11/17/2003		NM	130	0.51	<0.50	2.1	7.9	43	NM	--	--	--	--	--	--	NM	16,000	<130	<130	<130	<250	17,000
12/5/2003		NM	<50	<0.50	<0.50	<0.50	<1.0	36	NM	--	--	--	--	--	--	NM	12,000	<100	<100	<100	<200	19,000
1/16/2004	b	NM	<50	<0.50	<0.50	<0.50	<1.0	<2.0	NM	--	--	--	--	--	--	NM	17,000	160	270	<130	<250	19,000
2/3/2004		238	<50	<0.50	<0.50	<0.50	<1.0	<2.0	NM	--	--	--	--	--	72	10,000	<25	<25	<25	<50	15,000	
3/24/2004	b	169	55	<0.50	<0.50	0.80	2.9	7.8	NM	--	--	--	--	--	56	13,000	<100	<100	<100	<200	15,000	

Definitions:

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

Notes:

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

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

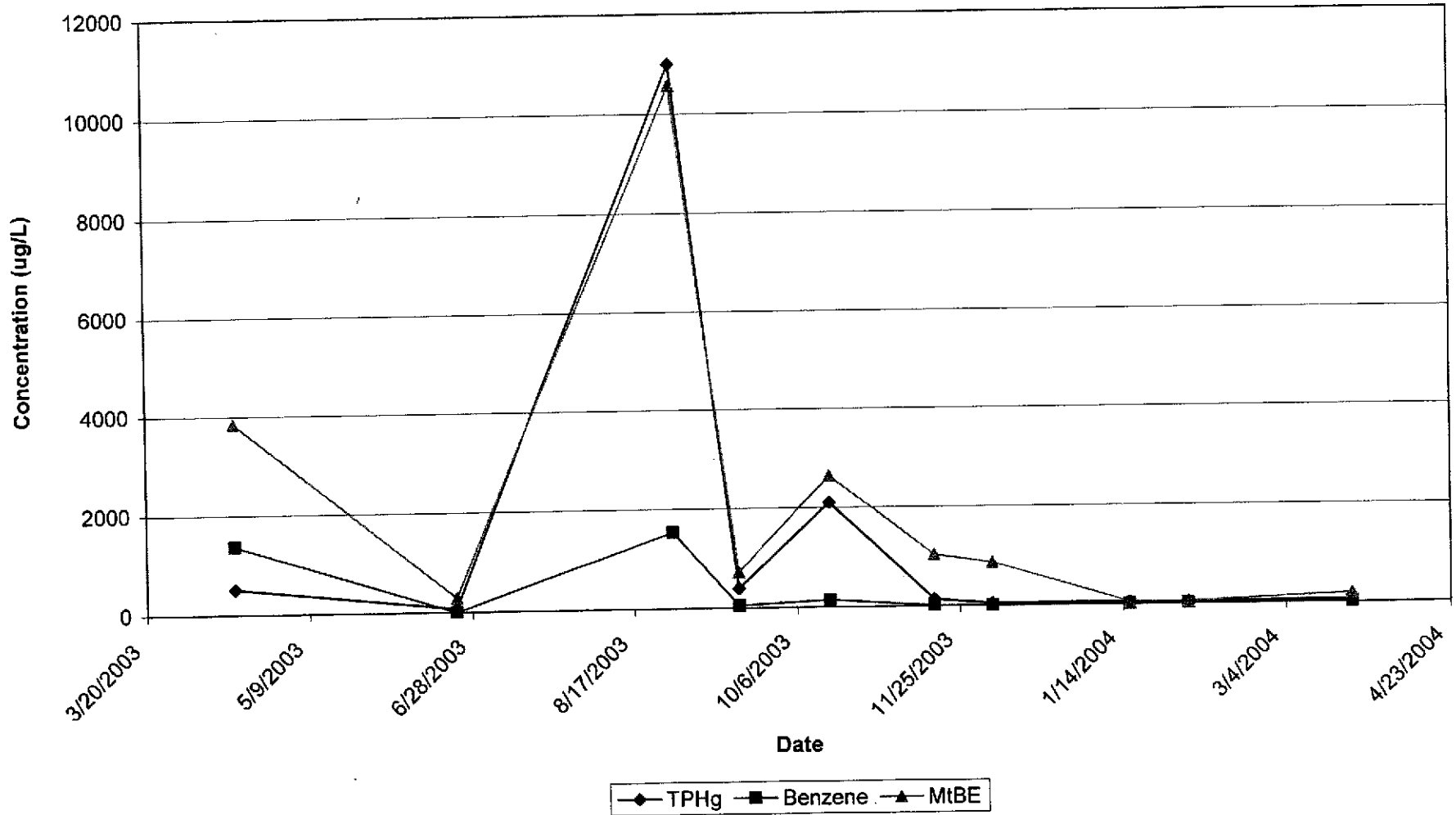
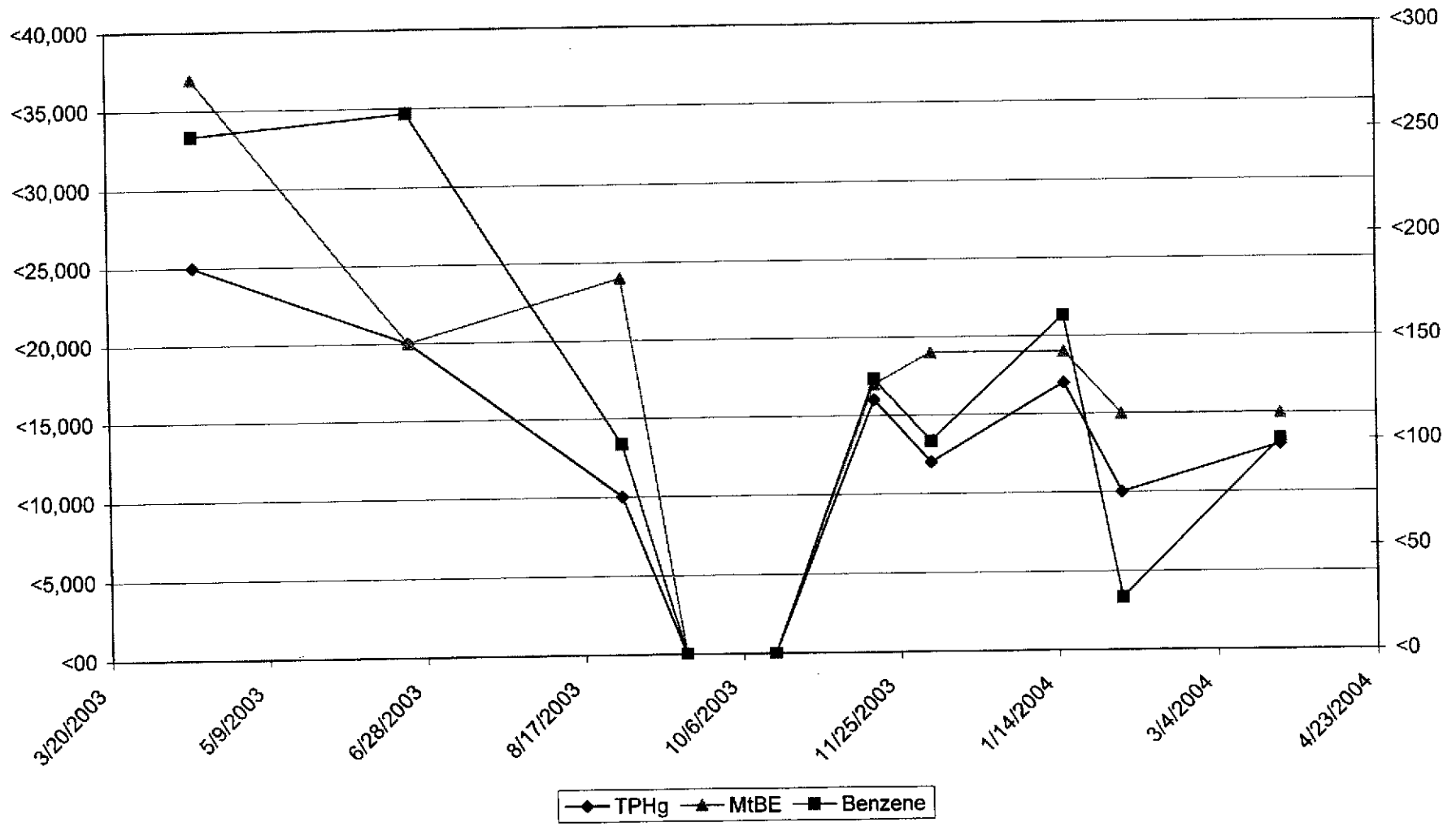


Figure A-2
MW-7 TPHg, Benzene, and MtBE Groundwater Concentrations
 76 Service Station No. 1871
 96 MacArthur Blvd., Oakland, California



**ATTACHMENT B
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

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	0.09	16.0	0.08	20.0	0.06	16.0	0.08	20.0	0.08	20.0	0.08
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	0.07	18.2	0.08
MSK	2-24-03	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	33.0	0.04	31.0	0.04	31.0	0.04

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		MW-7			
				ORP (mV)		ORP (mV)			
MSK	1-16	NE	3 mph	55°	3 uoa	3 uoa	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	

012
KINKOS # 5160 SF
03/29/04 07:58 FAX 415 750 1295

Field Data Sheet
Ozone Sparge System

ConocoPhillips Site # 1871
96 MacArthur Blvd
Oakland, California

Requested By: Amy Draffen
Lab: STL

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

NOTES AND DESCRIPTION OF ACTIVITIES ON SITE

1-16-04 - Solenoid # 8 was leaking badly. Tightened it and it was fine
 many of the fittings 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 #100 is sticking open and robbing the
 pressure from the other solenoid valves. #5 also stick.

013
KINKS # 5160 SF
03/29/04 07:58 FAX 415 750 1295

ATTACHMENT C
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

February 03, 2004

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Attn.: Amy Draffan

Project#: Conoco Philips Site #1871

Project: Conoco Philips

Site: 96 MacArthur Blvd., Oakland, CA

Attached is our report for your samples received on 01/16/2004 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 03/01/2004 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: Conoco Phillips Site #1871
Conoco Phillips

Received: 01/16/2004 13:35

Site: 96 MacArthur Blvd., Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	01/16/2004 09:00	Water	1
MW-7	01/16/2004 09:30	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: Conoco Phillips Site #1871
Conoco Phillips

Received: 01/16/2004 13:35

Site: 96 MacArthur Blvd., Oakland, CA

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-1 Lab ID: 2004-01-0442 - 1
Sampled: 01/16/2004 09:00 Extracted: 1/28/2004 16:54
Matrix: Water QC Batch#: 2004/01/28-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	01/28/2004 16:54	
Benzene	ND	0.50	ug/L	1.00	01/28/2004 16:54	
Toluene	ND	0.50	ug/L	1.00	01/28/2004 16:54	
Ethylbenzene	ND	0.50	ug/L	1.00	01/28/2004 16:54	
Total xylenes	ND	1.0	ug/L	1.00	01/28/2004 16:54	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	01/28/2004 16:54	
Surrogate(s)						
1,2-Dichloroethane-d4	107.0	76-114	%	1.00	01/28/2004 16:54	
Toluene-d8	106.8	88-110	%	1.00	01/28/2004 16:54	

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: Conoco Phillips Site #1871
Conoco Phillips

Received: 01/16/2004 13:35

Site: 96 MacArthur Blvd., Oakland, CA

Prep(s): 5030B Test(s): 8260B
 Sample ID: MW-7 Lab ID: 2004-01-0442 - 2
 Sampled: 01/16/2004 09:30 Extracted: 1/29/2004 03:32
 Matrix: Water QC Batch#: 2004/01/28-2B.66
 Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	17000	13000	ug/L	250.00	01/29/2004 03:32	g
Benzene	160	130	ug/L	250.00	01/29/2004 03:32	
Toluene	270	130	ug/L	250.00	01/29/2004 03:32	
Ethylbenzene	ND	130	ug/L	250.00	01/29/2004 03:32	
Total xylenes	ND	250	ug/L	250.00	01/29/2004 03:32	
Methyl tert-butyl ether (MTBE)	19000	500	ug/L	250.00	01/29/2004 03:32	
Surrogate(s)						
1,2-Dichloroethane-d4	103.7	76-114	%	250.00	01/29/2004 03:32	
Toluene-d8	102.5	88-110	%	250.00	01/29/2004 03:32	

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: Conoco Phillips Site #1871
Conoco Phillips

Received: 01/16/2004 13:35

Site: 96 MacArthur Blvd., Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/01/28-1A.66-055

Water

Test(s): 8260B

QC Batch # 2004/01/28-1A.66

Date Extracted: 01/28/2004 09:54

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	01/28/2004 09:54	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	01/28/2004 09:54	
Benzene	ND	0.5	ug/L	01/28/2004 09:54	
Toluene	ND	0.5	ug/L	01/28/2004 09:54	
Ethylbenzene	ND	0.5	ug/L	01/28/2004 09:54	
Total xylenes	ND	1.0	ug/L	01/28/2004 09:54	
Surrogates(s)					
1,2-Dichloroethane-d4	100.4	76-114	%	01/28/2004 09:54	
Toluene-d8	100.2	88-110	%	01/28/2004 09:54	

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

02/02/2004 17:09

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: Conoco Phillips Site #1871
 Conoco Phillips

Received: 01/16/2004 13:35

Site: 96 MacArthur Blvd., Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/01/28-2B.66-016

Water

Test(s): 8260B

QC Batch # 2004/01/28-2B.66

Date Extracted: 01/28/2004 20:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	01/28/2004 20:16	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	01/28/2004 20:16	
Benzene	ND	0.5	ug/L	01/28/2004 20:16	
Toluene	ND	0.5	ug/L	01/28/2004 20:16	
Ethylbenzene	ND	0.5	ug/L	01/28/2004 20:16	
Total xylenes	ND	1.0	ug/L	01/28/2004 20:16	
Surrogates(s)					
1,2-Dichloroethane-d4	101.4	76-114	%	01/28/2004 20:16	
Toluene-d8	101.8	88-110	%	01/28/2004 20:16	

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: Conoco Phillips Site #1871
Conoco Phillips

Received: 01/16/2004 13:35

Site: 96 MacArthur Blvd., Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/01/28-1A.66

LCS 2004/01/28-1A.66-027

Extracted: 01/28/2004

Analyzed: 01/28/2004 10:27

LCSD 2004/01/28-1A.66-056

Extracted: 01/28/2004

Analyzed: 01/28/2004 09:30

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.0	25.8	25	88.0	103.2	15.9	65-165	20			
Benzene	21.6	25.2	25	86.4	100.8	15.4	69-129	20			
Toluene	24.2	24.0	25	96.8	96.0	0.8	70-130	20			
Surrogates(s)											
1,2-Dichloroethane-d4	445	470	500	89.0	94.0		76-114				
Toluene-d8	514	493	500	102.8	98.6		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

02/02/2004 17:09

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: Conoco Philips Site #1871
 Conoco Philips

Received: 01/16/2004 13:35

Site: 96 MacArthur Blvd., Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/01/28-2B.66

LCS 2004/01/28-2B.66-028

Extracted: 01/28/2004

Analyzed: 01/28/2004 19:28

LCSD 2004/01/28-2B.66-052

Extracted: 01/28/2004

Analyzed: 01/28/2004 19:52

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.2	23.5	25	100.8	94.0	7.0	65-165	20		
Benzene	23.6	24.3	25	94.4	97.2	2.9	69-129	20		
Toluene	26.0	24.2	25	104.0	96.8	7.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	483	507	500	96.6	101.4		76-114			
Toluene-d8	545	513	500	109.0	102.6		88-110			

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: Conoco Philips Site #1871
Conoco Philips

Received: 01/16/2004 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 San Francisco

Sample Receipt Checklist

Submission #: 2004- 01 - 0442

Checklist completed by: (initials) NK Date: 01/16/04

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: 9.6 °C Yes No _____

Water - VOA vials have zero headspace? Yes _____ No _____ No VOA vials submitted Yes No _____

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

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: < 4 hrs from sampling

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

2004-01-0442

ConocoPhillips Chain Of Custody Record

82078

1229 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:
INVOICE REMITTANCE ADDRESS:

CONOCOPHILLIPS
Attn: Dee Hutchinson
3911 South Harbor, Suite 200
Santa Ana, CA 92704

DATE: 1-16-04
PAGE 01 of 01

SAMPLING COMPANY: SECOF 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): 99 MacArthur Blvd, Oakland, California		CONOCOPHILLIPS SITE MANAGER: Dave DeWitt
PROJECT CONTACT (hardcopy or PDF Report to): Amy Draffan		EDF DELIVERABLE TO (PP or Designee): Amy Draffan	PHONE NO.:(916) 881-8400 ext 235	EMAIL: adraffan@secof.com
TELEPHONE: (916) 881-0400 x 235	FAX: (916) 881-0430	EMAIL: adraffan@secof.com		

SAMPLER NAME(S) (Print): Maureen Kean	CONSULTANT PROJECT NUMBER: 77CP-80004:00:1871	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

* Field Point name only required if different from Sample ID

LAB ONLY	Sample Identification/Field Point Name*	SAMPLING		MATRIX	NO. OF CONT.	8015M - TPHd Extractable	8260B - TPHg/BTEXMBE	8280B - TPHg / BTEX / 8 Oxygenates	8290B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8280B - Full Scan VOCs (does not include oxygenates)	82700 - Semi-Volatiles	8015M / 8021B - TPHg/BTEXMBE	Lead	Total	BTLIC	DTCLP	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	TEMPERATURE ON RECEIPT °C
		DATE	TIME															
	MW-1	1/14	0900	Water	3		X											
	MW-7	1/16	0930	Water	3		X											

Released by: (Signature) <i>Maureen A Kean</i>	Received by: (Signature)	Date: 1-16-04	Time: 1335
Released by: (Signature)	Received by: (Signature)	Date:	Time:
Released by: (Signature)	Received by: (Signature) <i>Nounak</i>	Date: 1-16-04	Time: 1335

SECOR-Sacramento

April 06, 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, CA

Attached is our report for your samples received on 03/24/2004 14:30

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 05/08/2004 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: 03/24/2004 14:30

Site: 96 MacArthur Blvd, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	03/24/2004 12:00	Water	1
MW-7	03/24/2004 12:30	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

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: 03/24/2004 14:30

Site: 96 MacArthur Blvd, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-1	Lab ID: 2004-03-0788 - 1
Sampled: 03/24/2004 12:00	Extracted: 3/31/2004 23:32
Matrix: Water	QC Batch#: 2004/03/31-2A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	55	50	ug/L	1.00	03/31/2004 23:32	
Benzene	ND	0.50	ug/L	1.00	03/31/2004 23:32	
Toluene	ND	0.50	ug/L	1.00	03/31/2004 23:32	
Ethylbenzene	0.80	0.50	ug/L	1.00	03/31/2004 23:32	
Total xylenes	2.9	1.0	ug/L	1.00	03/31/2004 23:32	
Methyl tert-butyl ether (MTBE)	7.8	2.0	ug/L	1.00	03/31/2004 23:32	
Surrogate(s)						
1,2-Dichloroethane-d4	90.7	76-114	%	1.00	03/31/2004 23:32	
Toluene-d8	88.0	88-110	%	1.00	03/31/2004 23:32	

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

04/05/2004 12:54

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: 03/24/2004 14:30

Site: 96 MacArthur Blvd, Oakland, CA

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-7 Lab ID: 2004-03-0788 - 2
Sampled: 03/24/2004 12:30 Extracted: 4/1/2004 13:13
Matrix: Water QC Batch#: 2004/04/01-1A.68
Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	13000	10000	ug/L	200.00	04/01/2004 13:13	g
Benzene	ND	100	ug/L	200.00	04/01/2004 13:13	
Toluene	ND	100	ug/L	200.00	04/01/2004 13:13	
Ethylbenzene	ND	100	ug/L	200.00	04/01/2004 13:13	
Total xylenes	ND	200	ug/L	200.00	04/01/2004 13:13	
Methyl tert-butyl ether (MTBE)	15000	400	ug/L	200.00	04/01/2004 13:13	
Surrogate(s)						
1,2-Dichloroethane-d4	89.8	76-114	%	200.00	04/01/2004 13:13	
Toluene-d8	89.7	88-110	%	200.00	04/01/2004 13:13	

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: 03/24/2004 14:30

Site: 96 MacArthur Blvd, Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/03/31-2A.68-029

Water

Test(s): 8260B

QC Batch # 2004/03/31-2A.68

Date Extracted: 03/31/2004 19:29

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/31/2004 19:29	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	03/31/2004 19:29	
Benzene	ND	0.5	ug/L	03/31/2004 19:29	
Toluene	ND	0.5	ug/L	03/31/2004 19:29	
Ethylbenzene	ND	0.5	ug/L	03/31/2004 19:29	
Total xylenes	ND	1.0	ug/L	03/31/2004 19:29	
Surrogates(s)					
1,2-Dichloroethane-d4	90.4	76-114	%	03/31/2004 19:29	
Toluene-d8	91.3	88-110	%	03/31/2004 19:29	

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: 03/24/2004 14:30

Site: 96 MacArthur Blvd, Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/04/01-1A.68-055

Water

Test(s): 8260B

QC Batch # 2004/04/01-1A.68

Date Extracted: 04/01/2004 08:55

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/01/2004 08:55	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/01/2004 08:55	
Benzene	ND	0.5	ug/L	04/01/2004 08:55	
Toluene	ND	0.5	ug/L	04/01/2004 08:55	
Ethylbenzene	ND	0.5	ug/L	04/01/2004 08:55	
Total xylenes	ND	1.0	ug/L	04/01/2004 08:55	
Surrogates(s)					
1,2-Dichloroethane-d4	88.2	76-114	%	04/01/2004 08:55	
Toluene-d8	90.4	88-110	%	04/01/2004 08:55	

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: 03/24/2004 14:30

Site: 96 MacArthur Blvd, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/03/31-2A.68

LCS 2004/03/31-2A.68-051

Extracted: 03/31/2004

Analyzed: 03/31/2004 18:51

LCSD

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctr. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.1		25	88.4			65-165	20		
Benzene	24.9		25	99.6			69-129	20		
Toluene	24.4		25	97.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	407		500	81.4			76-114			
Toluene-d8	450		500	90.0			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

04/05/2004 12:54

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: 03/24/2004 14:30

Site: 96 MacArthur Blvd, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/04/01-1A.68

LCS 2004/04/01-1A.68-017

Extracted: 04/01/2004

Analyzed: 04/01/2004 08:17

LCSD 2004/04/01-1A.68-022

Extracted: 04/01/2004

Analyzed: 04/01/2004 09:22

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.9	24.1	25	99.6	96.4	3.3	65-165	20		
Benzene	24.2	26.5	25	96.8	106.0	9.1	69-129	20		
Toluene	25.7	25.3	25	102.8	101.2	1.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	416	401	500	83.2	80.2		76-114			
Toluene-d8	466	450	500	93.2	90.0		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

04/05/2004 12:54

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: 03/24/2004 14:30

Site: 96 MacArthur Blvd, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/03/31-2A.68

B8-GW >> MS

Lab ID: 2004-03-0874 - 008

MS: 2004/03/31-2A.68-054

Extracted: 03/31/2004

Analyzed: 03/31/2004 22:54

Dilution: 1.00

MSD: 2004/03/31-2A.68-013

Extracted: 03/31/2004

Analyzed: 03/31/2004 23:13

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	23.1	22.2	ND	25	92.4	88.8	4.0	65-165	20		
Benzene	22.4	23.1	ND	25	89.6	92.4	3.1	69-129	20		
Toluene	23.4	23.3	ND	25	93.6	93.2	0.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	440	414		500	88.0	82.8		76-114			
Toluene-d8	451	451		500	90.2	90.3		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

04/05/2004 12:54

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: 03/24/2004 14:30

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.

2004-03-0788

STL-San Francisco

ConocoPhillips Chain Of Custody Record

84161

1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1066 fax

ConocoPhillips Site Manager:
INVOICE REMITTANCE ADDRESS:
CONOCOPHILLIPS
Attn: Dee Hutchinson
3811 South Harbor, Suite 200
Santa Ana, CA 92704

CONOCOPHILLIPS NUMBER:
1120 SEC 550/551

DATE: 03-24-04
PAGE: 01 of 01

SAMPLING COMPANY: SECOR International Inc		Field Value ID:	CONOCOPHILLIPS SITE NUMBER: 1871		GLOBAL ID NO.: T0600101493
ADDRESS: 3017 Kilgore Rd Suite 100, Rancho Cordova, CA 95670		SITE ADDRESS (By site and City): 88 MacArthur Blvd, Oakland, California		CONOCOPHILLIPS SITE MANAGER: Dave DeWitt	
PROJECT CONTACT (hardcopy or PDF Report to): Amy Draffan		EDF DELIVERABLE TO (SP or Designer): Amy Draffan		PHONE NO.: (916) 861-0400 ext 236	EMAIL: adraffan@secor.com
TELEPHONE: (916) 861-0400 x 235	FAX: (916) 861-0430	EMAIL: adraffan@secor.com			

MANAGER/CLIENT (SP or): Maureen Kean	CONSULTANT PROJECT NUMBER: 77CP 80004.00.1871	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

8015m - TPHd Extractable	8260B - TPHg/BTEX/IB	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/IB/IE	Lead	Total	DSTLC	DTGLP
--------------------------	----------------------	------------------------------------	---	--	------------------------	---------------------------------	------	-------	-------	-------

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

5.7°C

* Field Point name only required if different from Sample ID

USE ONLY	Sample Identification/Field Point Name*	SAMPLING		MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/IB	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/IB/IE	Lead	Total	DSTLC	DTGLP	
		DATE	TIME														
	MW-1	3/24	1200	Water	3		X										
	MW-7	3/24	1230	Water	3		X										

Requested by: (Signature) <i>Maureen Kean</i>	Received by: (Signature) <i>Maureen K.</i>	Date: 3-24-04	Time: 1430
Requested by: (Signature)	Received by: (Signature)	Date:	Time:
Requested by: (Signature)	Received by: (Signature)	Date: 3-24-04	Time: 1430

SECOR-Sacramento

February 16, 2004

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

Attn.: Amy Draffan

Project#: Conoco Philips Site # 1871

Project: Conoco Philips

Site: 96 Mac Arthur Blvd, Oakland, California

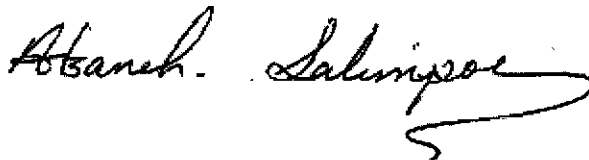
Attached is our report for your samples received on 02/03/2004 14:30
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
03/19/2004 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

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: Conoco Phillips Site # 1871
Conoco Phillips

Received: 02/03/2004 14:30

Site: 96 Mac Arthur Blvd, Oakland, California

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	02/03/2004 11:00	Water	1
MW-7	02/03/2004 11:30	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: Conoco Phillips Site # 1871
Conoco Phillips

Received: 02/03/2004 14:30

Site: 96 Mac Arthur Blvd, Oakland, California

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-1 Lab ID: 2004-02-0095 - 1
Sampled: 02/03/2004 11:00 Extracted: 2/10/2004 00:09
Matrix: Water QC Batch#: 2004/02/09-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/10/2004 00:09	
Benzene	ND	0.50	ug/L	1.00	02/10/2004 00:09	
Toluene	ND	0.50	ug/L	1.00	02/10/2004 00:09	
Ethylbenzene	ND	0.50	ug/L	1.00	02/10/2004 00:09	
Total xylenes	ND	1.0	ug/L	1.00	02/10/2004 00:09	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	02/10/2004 00:09	
Surrogate(s)						
1,2-Dichloroethane-d4	100.3	76-114	%	1.00	02/10/2004 00:09	
Toluene-d8	109.9	88-110	%	1.00	02/10/2004 00:09	

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: Conoco Phillips Site # 1871
Conoco Phillips

Received: 02/03/2004 14:30

Site: 96 Mac Arthur Blvd, Oakland, California

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-7 Lab ID: 2004-02-0095 - 2
Sampled: 02/03/2004 11:30 Extracted: 2/10/2004 01:21
Matrix: Water QC Batch#: 2004/02/09-1A.66
Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	10000	2500	ug/L	50.00	02/10/2004 01:21	g
Benzene	ND	25	ug/L	50.00	02/10/2004 01:21	
Toluene	ND	25	ug/L	50.00	02/10/2004 01:21	
Ethylbenzene	ND	25	ug/L	50.00	02/10/2004 01:21	
Total xylenes	ND	50	ug/L	50.00	02/10/2004 01:21	
Methyl tert-butyl ether (MTBE)	15000	100	ug/L	50.00	02/10/2004 01:21	
Surrogate(s)						
1,2-Dichloroethane-d4	100.2	76-114	%	50.00	02/10/2004 01:21	
Toluene-d8	102.6	88-110	%	50.00	02/10/2004 01:21	

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: Conoco Philips Site # 1871
Conoco Philips

Received: 02/03/2004 14:30

Site: 96 Mac Arthur Blvd, Oakland, California

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/02/09-1A.66-050

Water

Test(s): 8260B

QC Batch # 2004/02/09-1A.66

Date Extracted: 02/09/2004 18:50

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/09/2004 18:50	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	02/09/2004 18:50	
Benzene	ND	0.5	ug/L	02/09/2004 18:50	
Toluene	ND	0.5	ug/L	02/09/2004 18:50	
Ethylbenzene	ND	0.5	ug/L	02/09/2004 18:50	
Total xylenes	ND	1.0	ug/L	02/09/2004 18:50	
Surrogates(s)					
1,2-Dichloroethane-d4	100.2	76-114	%	02/09/2004 18:50	
Toluene-d8	102.6	88-110	%	02/09/2004 18:50	

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: Conoco Philips Site # 1871
Conoco Philips

Received: 02/03/2004 14:30

Site: 96 Mac Arthur Blvd, Oakland, California

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/02/09-1A.66

LCS 2004/02/09-1A.66-002

Extracted: 02/09/2004

Analyzed: 02/09/2004 18:02

LCSD 2004/02/09-1A.66-026

Extracted: 02/09/2004

Analyzed: 02/09/2004 18:26

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	21.6	25	83.2	86.4	3.8	65-165	20		
Benzene	23.0	24.5	25	92.0	98.0	6.3	69-129	20		
Toluene	23.9	23.5	25	95.6	94.0	1.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	453	471	500	90.6	94.2		76-114			
Toluene-d8	500	486	500	100.0	97.2		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

02/16/2004 10:44

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: Conoco Phillips Site # 1871
Conoco Phillips

Received: 02/03/2004 14:30

Site: 96 Mac Arthur Blvd, Oakland, California

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/02/09-1A.66

MW-1 >> MS

Lab ID: 2004-02-0095 - 001

MS: 2004/02/09-1A.66-033

Extracted: 02/10/2004

Analyzed: 02/10/2004 00:33

Dilution: 1.00

MSD: 2004/02/09-1A.66-057

Extracted: 02/10/2004

Analyzed: 02/10/2004 00:57

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	23.4	27.0	ND	25	93.6	108.0	14.3	69-129	20		
Toluene	23.2	25.3	ND	25	92.8	101.2	8.7	70-130	20		
Methyl tert-butyl ether	21.9	24.7	ND	25	87.6	98.8	12.0	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	460	495		500	92.0	99.0		76-114			
Toluene-d8	456	520		500	91.2	104.0		88-110			

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: Conoco Philips Site # 1871
Conoco Philips

Received: 02/03/2004 14:30

Site: 96 Mac Arthur 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.

2004-02-0095

ConocoPhillips Chain Of Custody Record

82567

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94586

(925) 484-1819 (925) 484-1098 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

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

DATE: 2-3-04

PAGE: 01 of 01

CLIENT COMPANY: SOR International Inc ADDRESS: 7 Kigore Rd Suite 100, Rancho Cordova, CA 95670 CONTACT CONTRACT # (Agency or POF Reference): y Draffan TELEPHONE: P: (916) 681-0400 x 225 FAX: F: (916) 681-0400 EMAIL: adraffan@soinc.com	CONOCOPHILLIPS SITE NUMBER: 1871 SITE ADDRESS (street and city): 66 MacArthur Blvd, Oakland, California POF DELIVERABLE TO POF or Sample ID: Amy Draffan	GLOBAL ID NO.:	CONOCOPHILLIPS SITE MANAGER: Dave DeWitt
CLIENT NAME(S) (Print): Maureen Keen	CONSULTANT PROJECT NUMBER: 77CP.80004.00.1871	PHONE NO.:	EMAIL:
		(916) 681-0400 ext 895	adraffan@soinc.com

REQUESTED ANALYSES

DELIVERY TIME (CALENDAR DAYS):
 14 DAYS 7 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF ESD IS NEEDED

0015M - TPHg Extractable	6200B - TPHg/BTEX/MBE	6200B - TPHg/BTEX/S Oxygenates	6200B - TPHg/BTEX/S Oxygenates + methanol (0015M)	6200B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MBE	Lead	0201C - Total OSTR/C OTR/P													
	X																				
	X																				

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

5.4°C
TEMPERATURE ON RECEIPT (C)

Field Point name only required if different from Sample ID

Sample Identification/Field Point Name*	SAMPLING		MATRIX	NO. OF CONT.
	DATE	TIME		
MW-1	2/3	1100	Water	3
MW-7	2/3	1130	Water	3

Requested by (Signature): <i>Maureen Keen</i>	Received by (Signature):	Date: 2-3-04	Time: 1430
Requested by (Signature):	Received by (Signature):	Date:	Time:
Requested by (Signature):	Received by (Signature): <i>[Signature]</i>	Date: 2-3-04	Time: 1430

SH00000000