



Alameda County

FEB 18 2004

Environmental Health

February 12, 2004

Mr. Scott Seery
Alameda Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

**Re: Remediation System Update
ARCO Service Station #2035
1001 San Pablo Avenue
Albany, California
URS Project #38486319**

Dear Mr. Seery:

On behalf of Atlantic Richfield Company (ARCO – a BP affiliated company), URS Corporation (URS) is submitting this *Remediation System Update* for the soil vapor extraction system (SVE) installed at ARCO Service Station #2035, which is located at 1001 San Pablo Avenue in Albany, California. This update is to inform the Alameda Health Care Services Agency (AHCSA) that the system was temporarily shut down on February 10, 2004.

URS has evaluated the effectiveness of the SVE system operating at the site and resolved that the system should be temporarily shut down. The laboratory report dated January 29, 2004 reported influent air concentrations were below laboratory reporting limits for the sample collected during the January 2004 Monthly Operation and Maintenance (O & M) sampling event (Attachment A). As a result, the system was shut down on February 10, 2004. The February 2004 Monthly O & M samples were collected on February 10, 2004 because the system was run for approximately ten days during the month. URS will begin monthly monitoring of the water levels for the SVE wells at the site. URS will re-start the system when the groundwater levels in the wells drops to levels in the lower level of the screen. The exposed screen will allow maximum airflow into the SVE system and potentially increase the influent concentrations. At this point, URS will monitor influent concentrations to evaluate the overall effectiveness of an SVE system at this site.

URS Corporation
500 12th Street, Suite 200
Oakland, CA 94607-4014
Tel: 510.893.3600
Fax: 510.874.3268

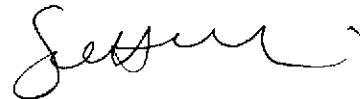
If you have any questions regarding this update, please call me at (510) 874-3099 or the project manager, Scott Robinson at (510) 874-3280.

Sincerely,

URS CORPORATION



Teresa Tamburello
Project Engineer



Scott Robinson
Project Manager

Enclosure: Attachment A – Laboratory Analytical Report

cc: Mr. Paul Supple, ARCO, (electronic copy uploaded to ENFOS)
Barbara and James A. Lestrage, Property Owner, 6 La Canada Court, St. Helena, CA 94574
Muriel & Emile Turpin, Trustees, 2 La Canada Ct., Saint Helena CA 94574-1250
Mr. Robert Cave, BAAQMD – Permit Division, 939 Ellis St., San Francisco, CA 94109
Mr. Michael Bostick, BAAQMD-Inspector, 939 Ellis Street, San Francisco, CA 94109

ATTACHMENT A
Laboratory Analytical Report

URS-Oakland, CA

January 29, 2004

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn.: Scott Robinson

Project#: 38486319.0L041

Project: BP/GEM Facility#2035

Site: 1001 San Pablo Ave., Albany, CA

Attached is our report for your samples received on 01/09/2004 08:52
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

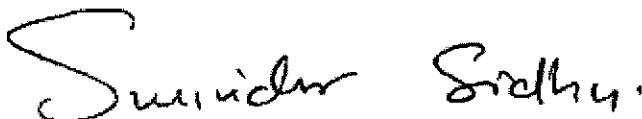
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after
02/23/2004 unless you have requested otherwise.

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

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

Sincerely,



SystemDefaultValues
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

URS-Oakland, CA

January 29, 2004

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn.: Scott Robinson

Project#: 38486319.0L041

Project: BP/GEM Facility#2035

Site: 1001 San Pablo Ave., Albany, CA

Case Narrative

General and Sample Comments

We (STL San Francisco) received 2 Air samples , on Friday, January 09, 2004 8:52 AM.

Analysis Coments and Flags by QC Batch

Gas/BTEX/MTBE by 8260B	Air	QC Batch#: 20040109V164
------------------------	-----	-------------------------

EFFL	2004010204 002
Compound Flag(s)	
J	Estimated value, less than reporting limits, but over the method detection limits.

Gas/BTEX/MTBE by 8260B	Air	QC Batch#: 20040109V166
------------------------	-----	-------------------------

INFL	2004010204 001
Compound Flag(s)	
J	Estimated value, less than reporting limits, but over the method detection limits.

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

Submission #: 2004-01-0204

Gas/BTEX/MTBE by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200

Oakland, CA 94607-4014

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486319.0L041

BP/GEM Facility#2035

Received: 01/09/2004 08:52

Site: 1001 San Pablo Ave., Albany, CA

SEVERN

TRENT

LABORATORY

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INFL	01/09/2004 06:15	Air	1
EFFL	01/09/2004 06:10	Air	2

Submission #: 2004-01-0204

Gas/BTEX/MTBE by 8260B

URS-Oakland, CA

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Project: 38486319.0L041

BP/GEM Facility#2035

Received: 01/09/2004 08:52

Site: 1001 San Pablo Ave., Albany, CA

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www.stl-inc.com

www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 5030B

Test(s): 8260B

Sample ID: INFL

Lab ID: 2004-01-0204 - 1

Sampled: 01/09/2004 06:15

Extracted: 1/9/2004 12:53

Matrix: Air

QC Batch#: 2004/01/09-V1.66

Compound	Conc.	MDL	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	9.8	14	ppmv	1.00	01/09/2004 12:53	
Benzene	ND	0.031	0.31	ppmv	1.00	01/09/2004 12:53	
Toluene	0.055	0.026	0.26	ppmv	1.00	01/09/2004 12:53	J
Ethylbenzene	ND	0.045	0.23	ppmv	1.00	01/09/2004 12:53	
Total xylenes	0.11	0.068	0.23	ppmv	1.00	01/09/2004 12:53	J
Methyl tert-butyl ether (MTBE)	ND	0.055	0.14	ppmv	1.00	01/09/2004 12:53	
Surrogates(s)							
1,2-Dichloroethane-d4	100.9		76-114	%	1.00	01/09/2004 12:53	
Toluene-d8	96.8		88-110	%	1.00	01/09/2004 12:53	

Submission #: 2004-01-0204

Gas/BTEX/MTBE by 8260B

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Project: 38486319.0L041

BP/GEM Facility#2035

Received: 01/09/2004 08:52

Site: 1001 San Pablo Ave., Albany, CA

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CA DHS ELAP# 2496

Prep(s): 5030B Test(s): 8260B
Sample ID: EFFL Lab ID: 2004-01-0204 - 2
Sampled: 01/09/2004 06:10 Extracted: 1/9/2004 12:28
Matrix: Air QC Batch#: 2004/01/09-V1.64

Compound	Conc.	MDL	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	9.8	14	ppmv	1.00	01/09/2004 12:28	
Benzene	ND	0.031	0.31	ppmv	1.00	01/09/2004 12:28	
Toluene	0.028	0.026	0.26	ppmv	1.00	01/09/2004 12:28	J
Ethylbenzene	ND	0.045	0.23	ppmv	1.00	01/09/2004 12:28	
Total xylenes	ND	0.068	0.23	ppmv	1.00	01/09/2004 12:28	
Methyl tert-butyl ether (MTBE)	ND	0.055	0.14	ppmv	1.00	01/09/2004 12:28	
Surrogates(s)							
1,2-Dichloroethane-d4	82.9		76-114	%	1.00	01/09/2004 12:28	
Toluene-d8	91.9		88-110	%	1.00	01/09/2004 12:28	

Submission #: 2004-01-0204

Gas/BTEX/MTBE by 8260B

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BP/GEM Facility#2035

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/01/09-V1.64-013

Water

Test(s): 8260B

QC Batch # 2004/01/09-V1.64

Date Extracted: 01/09/2004 11:13

Compound	Conc.	MDL	RL	Unit	Analyzed	Flag
Gasoline	ND	33.5	50	ug/L	01/09/2004 11:13	
Methyl tert-butyl ether (MTBE)	ND	0.129	2.0	ug/L	01/09/2004 11:13	
Benzene	ND	0.161	0.5	ug/L	01/09/2004 11:13	
Toluene	ND	0.141	0.5	ug/L	01/09/2004 11:13	
Ethylbenzene	ND	0.151	0.5	ug/L	01/09/2004 11:13	
Total xylenes	ND	0.296	1.0	ug/L	01/09/2004 11:13	
Surrogates(s)						
1,2-Dichloroethane-d4	86.4		76-114	%	01/09/2004 11:13	
Toluene-d8	91.6		88-110	%	01/09/2004 11:13	

Submission #: 2004-01-0204

Gas/BTEX/MTBE by 8260B

URS-Oakland, CA

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Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486319.0L041

BP/GEM Facility#2035

Received: 01/09/2004 08:52

Site: 1001 San Pablo Ave., Albany, CA

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/01/09-V1.66-049

Water

Test(s): 8260B

QC Batch # 2004/01/09-V1.66

Date Extracted: 01/09/2004 10:49

Compound	Conc.	MDL	RL	Unit	Analyzed	Flag
Gasoline	ND	33.5	50	ug/L	01/09/2004 10:49	
Methyl tert-butyl ether (MTBE)	ND	0.129	2.0	ug/L	01/09/2004 10:49	
Benzene	ND	0.161	0.5	ug/L	01/09/2004 10:49	
Toluene	ND	0.141	0.5	ug/L	01/09/2004 10:49	
Ethylbenzene	ND	0.151	0.5	ug/L	01/09/2004 10:49	
Total xylenes	ND	0.296	1.0	ug/L	01/09/2004 10:49	
Surrogates(s)						
1,2-Dichloroethane-d4	94.4		76-114	%	01/09/2004 10:49	
Toluene-d8	93.0		88-110	%	01/09/2004 10:49	

Submission #: 2004-01-0204

Gas/BTEX/MTBE by 8260B

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Project: 38486319.0L041

BP/GEM Facility#2035

Received: 01/09/2004 08:52

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/01/09-V1.64

LCS 2004/01/09-V1.64-029

Extracted: 01/09/2004

Analyzed: 01/09/2004 10:29

LCSD 2004/01/09-V1.64-051

Extracted: 01/09/2004

Analyzed: 01/09/2004 10:51

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.0	23.6	25	96.0	94.4	1.7	65-165	20		
Benzene	25.4	25.6	25	101.6	102.4	0.8	69-129	20		
Toluene	26.8	26.8	25	107.2	107.2	0.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	394	390	500	78.8	78.0		76-114			
Toluene-d8	451	454	500	90.2	90.8		88-110			

Submission #: 2004-01-0204

Gas/BTEX/MTBE by 8260B

URS-Oakland, CA

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Project: 38486319.0L041

BP/GEM Facility#2035

Received: 01/09/2004 08:52

Site: 1001 San Pablo Ave., Albany, CA

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/01/09-V1.66

LCS 2004/01/09-V1.66-000

Extracted: 01/09/2004

Analyzed: 01/09/2004 10:00

LCSD 2004/01/09-V1.66-024

Extracted: 01/09/2004

Analyzed: 01/09/2004 10:24

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.3	23.9	25	93.2	95.6	2.5	65-165	20		
Benzene	22.1	23.5	25	88.4	94.0	6.1	69-129	20		
Toluene	22.9	24.6	25	91.6	98.4	7.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	462	462	500	92.4	92.4		76-114			
Toluene-d8	471	484	500	94.2	96.8		88-110			

Submission #: 2004-01-0204

Gas/BTEX/MTBE by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

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Project: 38486319.0L041

BP/GEM Facility#2035

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CA DHS ELAP# 2496

Legend and Notes

Result Flag

J

Estimated value, less than reporting limits, but over the method detection limits.

SEVERE
TREAT

STL

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 01 - 0204

Checklist completed by: (initials) NSH Date: 01/09/04

Courier name: STL San Francisco 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 ($4^{\circ}\text{C} \pm 2$)?

Water - VOA vials have zero headspace?

Yes	No	Not Present	<input checked="" type="checkbox"/>
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Temp: <u>20.0</u>	$^{\circ}\text{C}$	Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/>
Ice Present	Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
No VOA vials submitted	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No <input type="checkbox"/>

(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 air samples

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):



2004-01-0204

81850
Page 1 of 1

Chain of Custody Record

Project Name ARCO #2035 air sampling (Environmental/Remediation)
Business Unit Atlantic Richfield Company - Retail

BP Laboratory Contract Number:

Requested Due Date:
14 days from sampling date

Date: 6/09/04

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.: Station 2035	Consultant: URS Oakland
Lab Name: STL-SF (Pleasanton)	BP/GEM Facility Address: 1001 San Pablo Ave, Albany, CA	Address: 500 12th Street, Suite 200
Lab Address: 1220 Quarry Lane Pleasanton, CA 94566	Site ID No: Station 2035	Oakland, CA 94607
	California Global ID #: NA	E-mail EDD: No BDP
	BP/GEM PM Contact: Paul Sappie	Consultant Project No.: 38486319.DL041
Lab PM: Afshin Salimpour	Address: P.O. Box 6549, Moraga, CA 94570	Consultant Tele/Fax: 510-874-3280/510-874-3268
Tele/Fax: 925-484-1919/925-484-1096	Tele/Fax: 925-299-8891/925-299-8872	Consultant PM: Scott Robinson
Report Type & QC Level: Level I		Invoice to: BP/GEM
BP/GEM Account No.: Atlantic Richfield Company		BP/GEM Work Release No:
Lab Bottle Order No:		

Item No.	Field Point ID	Sample ID	Time	Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis						Sample Point Lat/Long and Comments			
				Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	TPH-g (8260)	BTEX (8260)	MTBE (8260)							
1	INFL	INFL	06K				X		1						X	X	X						Report in ppmv & mg/m3
2	EFFL	EFFL	06L0				X		1						X	X	X						Report in ppmv & mg/m3
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							

Sampler's Name: <i>M. Gormis</i>	Relinquished By / Affiliation: <i>[Signature]</i>	Date: 01/09/04	Time: 0952	Accepted By / Affiliation: <i>[Signature]</i>	Date: 1/9/04	Time: 0952
Sampler's Company: URS Oakland				STL-SF		
Shipment Date: 01/09/04						
Shipment Method: Courier <i>Hand Delivered</i>						
Shipment Tracking No:						
Special Instructions: TPH-g, BTEX and MTBE by EPA Method 8260B						

Custody Seals In Place Yes No Temperature Blank Yes No Cooler Temperature on Receipt °F/C Trip Blank Yes No