

URS-Oakland, CA

January 06, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38486988.0063601

Project: 5387

Site: 20200 Hesperian Blvd., Hayward, CA

Attached is our report for your samples received on 12/21/2004 17:34
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

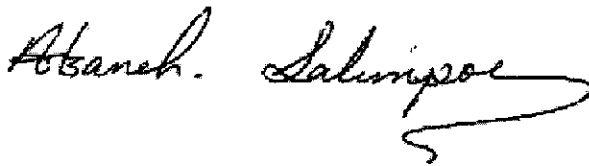
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after
02/04/2005 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

URS-Oakland, CA

January 06, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38486988.0063601

Project: 5387

Site: 20200 Hesperian Blvd., Hayward, CA

Case Narrative

General and Sample Comments

We (STL San Francisco) received 4 Soil samples and 1 Water samples , on Tuesday, December 21, 2004 5:34 PM.

Analysis Comments and Flags by QC Batch

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Water	QC Batch#: 200412282B64
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DRUM 2004120761 005
Compound Flag(s)
LW Quantit. of unknown hydrocarbon(s) in sample based on gasoline

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Water	QC Batch#: 200412282B64035
---	-------	----------------------------

RB-WI >> MSD 200412282B64035
Compound Flag(s)
RA RPD exceeds limit due to matrix interf.; % recovs. within limits

Severn Trent Laboratories, Inc.

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

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Submission: 2004-12-0761

Project Verification

SEVERN

TRENT

Received on: 12/21/2004 17:34

From: **URS-Oakland, CA**

By: Afsaneh Salimpour

Scott Robinson

Cooler Tmp: 3

1333 Broadway, Suite 800
Oakland, CA 94612

STL San Francisco
1220 Quarry Ln
Pleasanton CA 94566

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

Project#: 38486988.0063601

Project: 5387

20200 Hesperian Blvd., Hayward, CA

CA DHS ELAP#:2496

Lab Sample #	Sample ID	Matrix	Sampled
EPA Method	Analysis	TAT	Due Date
2004-12-0761 - 1	SP-1	Soil	12/21/2004 09:30
8260B	Gas/BTEX Fuel Oxygenates by 8260B <i>Benzene, Ethanol, Ethyl benzene, GRO (C6-C12), Methyl tert-butyl ether (MTBE), Toluene, Total xylenes</i>	10 Day	01/07/2005 17:00
6010B	Total Lead	10 Day	01/07/2005 17:00
2004-12-0761 - 2	SP-2	Soil	12/21/2004 09:30
8260B	Gas/BTEX Fuel Oxygenates by 8260B <i>Benzene, Ethanol, Ethyl benzene, GRO (C6-C12), Methyl tert-butyl ether (MTBE), Toluene, Total xylenes</i>	10 Day	01/07/2005 17:00
6010B	Total Lead	10 Day	01/07/2005 17:00
2004-12-0761 - 3	SP-3	Soil	12/21/2004 09:30
8260B	Gas/BTEX Fuel Oxygenates by 8260B <i>Benzene, Ethanol, Ethyl benzene, GRO (C6-C12), Methyl tert-butyl ether (MTBE), Toluene, Total xylenes</i>	10 Day	01/07/2005 17:00
6010B	Total Lead	10 Day	01/07/2005 17:00
2004-12-0761 - 4	SP-4	Soil	12/21/2004 09:35
8260B	Gas/BTEX Fuel Oxygenates by 8260B <i>Benzene, Ethanol, Ethyl benzene, GRO (C6-C12), Methyl tert-butyl ether (MTBE), Toluene, Total xylenes</i>	10 Day	01/07/2005 17:00
6010B	Total Lead	10 Day	01/07/2005 17:00
2004-12-0761 - 5	DRUM	Water	12/21/2004 14:10
8260B	Gas/BTEX Fuel Oxygenates by 8260B <i>Benzene, Di-isopropyl Ether (DIPE), Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, GRO (C4-C12), Methyl tert-butyl ether (MTBE), tert-Amyl methyl ether (TAME), tert-Butyl alcohol (TBA), Toluene, Total xylenes</i>	10 Day	01/07/2005 17:00

Total Lead

URS-Oakland, CA

Attn.: Scott Robinson

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

Project: 38486988.0063601
5387

Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1	12/21/2004 09:30	Soil	1
SP-2	12/21/2004 09:30	Soil	2
SP-3	12/21/2004 09:30	Soil	3
SP-4	12/21/2004 09:35	Soil	4

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12/28/2004 11:54

Total Lead

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Project: 38486988.0063601

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Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	SP-1	Lab ID:	2004-12-0761 - 1
Sampled:	12/21/2004 09:30	Extracted:	12/27/2004 06:44
Matrix:	Soil	QC Batch#:	2004/12/27-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	17	1.0	mg/Kg	1.00	12/27/2004 22:35	

Total Lead

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Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	SP-2	Lab ID:	2004-12-0761 - 2
Sampled:	12/21/2004 09:30	Extracted:	12/27/2004 06:44
Matrix:	Soil	QC Batch#:	2004/12/27-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	7.3	1.0	mg/Kg	1.00	12/27/2004 22:38	

Total Lead

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Project: 38486988.0063601
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Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: SP-3	Lab ID: 2004-12-0761 - 3
Sampled: 12/21/2004 09:30	Extracted: 12/27/2004 06:44
Matrix: Soil	QC Batch#: 2004/12/27-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.8	1.0	mg/Kg	1.00	12/27/2004 22:42	

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12/28/2004 11:54

Total Lead

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Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	SP-4	Lab ID:	2004-12-0761 - 4
Sampled:	12/21/2004 09:35	Extracted:	12/27/2004 06:44
Matrix:	Soil	QC Batch#:	2004/12/27-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.3	1.0	mg/Kg	1.00	12/27/2004 22:45	

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12/28/2004 11:54

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Total Lead

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Project: 38486988.0063601
5387

Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Batch QC Report

Prep(s): 3050B

Method Blank

MB: 2004/12/27-02.15-031

Soil

Test(s): 6010B

QC Batch # 2004/12/27-02.15

Date Extracted: 12/27/2004 06:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	12/27/2004 20:50	

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12/28/2004 11:54

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Total Lead

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5387

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Site: 20200 Hesperian Blvd., Hayward, CA

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2004/12/27-02.15

LCS 2004/12/27-02.15-032

Extracted: 12/27/2004

Analyzed: 12/27/2004 20:55

LCSD 2004/12/27-02.15-033

Extracted: 12/27/2004

Analyzed: 12/27/2004 20:59

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	101	102	100.0	101.0	102.0	1.0	80-120	20		

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12/28/2004 11:54

Total Lead

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Site: 20200 Hesperian Blvd., Hayward, CA

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2004/12/27-02.15

MS/MSD

Lab ID: 2004-12-0749 - 001

MS: 2004/12/27-02.15-042

Extracted: 12/27/2004

Analyzed: 12/27/2004 21:43

Dilution: 1.00

MSD: 2004/12/27-02.15-043

Extracted: 12/27/2004

Analyzed: 12/27/2004 21:46

Dilution: 1.00

Compound	Conc. mg/Kg			Spk. Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Lead	90.8	95.5	11.9	97.1	81.3	85.3	4.8	75-125	20		

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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5387

Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1	12/21/2004 09:30	Soil	1
SP-2	12/21/2004 09:30	Soil	2
SP-3	12/21/2004 09:30	Soil	3
SP-4	12/21/2004 09:35	Soil	4

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12/30/2004 13:04

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

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

Project: 38486988.0063601
5387

Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SP-1	Lab ID:	2004-12-0761 - 1
Sampled:	12/21/2004 09:30	Extracted:	12/28/2004 16:06
Matrix:	Soil	QC Batch#:	2004/12/28-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	12/28/2004 16:06	
Benzene	ND	0.0050	mg/Kg	1.00	12/28/2004 16:06	
Toluene	ND	0.0050	mg/Kg	1.00	12/28/2004 16:06	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/28/2004 16:06	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/28/2004 16:06	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/28/2004 16:06	
Ethanol	ND	0.1	mg/Kg	1.00	12/28/2004 16:06	
Surrogate(s)						
1,2-Dichloroethane-d4	107.4	72-124	%	1.00	12/28/2004 16:06	
Toluene-d8	88.8	75-116	%	1.00	12/28/2004 16:06	

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12/30/2004 13:04

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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Project: 38486988.0063601
5387

Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SP-2	Lab ID: 2004-12-0761 - 2
Sampled: 12/21/2004 09:30	Extracted: 12/28/2004 16:28
Matrix: Soil	QC Batch#: 2004/12/28-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	12/28/2004 16:28	
Benzene	ND	0.0050	mg/Kg	1.00	12/28/2004 16:28	
Toluene	ND	0.0050	mg/Kg	1.00	12/28/2004 16:28	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/28/2004 16:28	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/28/2004 16:28	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/28/2004 16:28	
Ethanol	ND	0.1	mg/Kg	1.00	12/28/2004 16:28	
Surrogate(s)						
1,2-Dichloroethane-d4	98.6	72-124	%	1.00	12/28/2004 16:28	
Toluene-d8	92.0	75-116	%	1.00	12/28/2004 16:28	

Gas/BTEX Fuel Oxygenates by 8260B

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Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SP-3	Lab ID:	2004-12-0761 - 3
Sampled:	12/21/2004 09:30	Extracted:	12/28/2004 16:51
Matrix:	Soil	QC Batch#:	2004/12/28-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	12/28/2004 16:51	
Benzene	ND	0.0050	mg/Kg	1.00	12/28/2004 16:51	
Toluene	ND	0.0050	mg/Kg	1.00	12/28/2004 16:51	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/28/2004 16:51	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/28/2004 16:51	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/28/2004 16:51	
Ethanol	ND	0.1	mg/Kg	1.00	12/28/2004 16:51	
Surrogate(s)						
1,2-Dichloroethane-d4	105.2	72-124	%	1.00	12/28/2004 16:51	
Toluene-d8	92.3	75-116	%	1.00	12/28/2004 16:51	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 38486988.0063601
5387

Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SP-4	Lab ID:	2004-12-0761 - 4
Sampled:	12/21/2004 09:35	Extracted:	12/28/2004 14:59
Matrix:	Soil	QC Batch#:	2004/12/28-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1.0	mg/Kg	1.00	12/28/2004 14:59	
Benzene	ND	0.0050	mg/Kg	1.00	12/28/2004 14:59	
Toluene	ND	0.0050	mg/Kg	1.00	12/28/2004 14:59	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/28/2004 14:59	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/28/2004 14:59	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/28/2004 14:59	
Ethanol	ND	0.1	mg/Kg	1.00	12/28/2004 14:59	
Surrogate(s)						
1,2-Dichloroethane-d4	96.3	72-124	%	1.00	12/28/2004 14:59	
Toluene-d8	94.1	75-116	%	1.00	12/28/2004 14:59	

Gas/BTEX Fuel Oxygenates by 8260B

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Site: 20200 Hesperian Blvd., Hayward, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/12/28-1A.66-010

Soil

Test(s): 8260B

QC Batch # 2004/12/28-1A.66

Date Extracted: 12/28/2004 08:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	12/28/2004 08:10	
Benzene	ND	0.0050	mg/Kg	12/28/2004 08:10	
Toluene	ND	0.0050	mg/Kg	12/28/2004 08:10	
Ethyl benzene	ND	0.0050	mg/Kg	12/28/2004 08:10	
Total xylenes	ND	0.0050	mg/Kg	12/28/2004 08:10	
Ethanol	ND	0.10	mg/Kg	12/28/2004 08:10	
Surrogates(s)					
1,2-Dichloroethane-d4	96.8	72-124	%	12/28/2004 08:10	
Toluene-d8	94.4	75-116	%	12/28/2004 08:10	
GRO (C6-C12)	ND	1.0	mg/Kg	12/28/2004 08:10	

Gas/BTEX Fuel Oxygenates by 8260B

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Site: 20200 Hesperian Blvd., Hayward, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2004/12/28-1A.66

LCS 2004/12/28-1A.66-048

Extracted: 12/28/2004

Analyzed: 12/28/2004 07:48

LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0460		0.05	92.0			65-165	20		
Benzene	0.0473		0.05	94.6			69-129	20		
Toluene	0.0489		0.05	97.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	453		500	90.6			72-124			
Toluene-d8	452		500	90.4			75-116			

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12/30/2004 13:04

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2004/12/28-1A.66

SP-4 >> MS

Lab ID: 2004-12-0761 - 004

MS: 2004/12/28-1A.66-021

Extracted: 12/28/2004

Analyzed: 12/28/2004 15:21

Dilution: 1.00

MSD: 2004/12/28-1A.66-044

Extracted: 12/28/2004

Analyzed: 12/28/2004 15:44

Dilution: 1.00

Compound	Conc. mg/Kg		Spk.Level mg/Kg	Recovery %			Limits %		Flags		
	MS	MSD		Sample	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0507	0.0478	ND	0.05	101.4	95.6	5.9	65-165	20		
Benzene	0.0473	0.0466	ND	0.05	94.6	93.2	1.5	69-129	20		
Toluene	0.0504	0.0498	ND	0.05	100.8	99.6	1.2	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	486	464		500	97.2	92.8		72-124			
Toluene-d8	462	464		500	92.4	92.8		75-116			

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12/30/2004 13:04

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Gas/BTEX Fuel Oxygenates by 8260B

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1333 Broadway, Suite 800

Oakland, CA 94612

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

Project: 38486988.0063601
5387

Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
DRUM	12/21/2004 14:10	Water	5

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

12/30/2004 11:30

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

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

Project: 38486988.0063601
5387

Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	DRUM	Lab ID:	2004-12-0761 - 5
Sampled:	12/21/2004 14:10	Extracted:	12/29/2004 01:02
Matrix:	Water	QC Batch#:	2004/12/28-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	63	50	ug/L	1.00	12/29/2004 01:02	Q1
Benzene	ND	0.50	ug/L	1.00	12/29/2004 01:02	
Toluene	ND	0.50	ug/L	1.00	12/29/2004 01:02	
Ethylbenzene	ND	0.50	ug/L	1.00	12/29/2004 01:02	
Total xylenes	ND	1.0	ug/L	1.00	12/29/2004 01:02	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/29/2004 01:02	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/29/2004 01:02	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/29/2004 01:02	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/29/2004 01:02	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/29/2004 01:02	
Ethanol	ND	100	ug/L	1.00	12/29/2004 01:02	
Surrogate(s)						
1,2-Dichloroethane-d4	112.9	73-130	%	1.00	12/29/2004 01:02	
Toluene-d8	103.9	81-114	%	1.00	12/29/2004 01:02	

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Project: 38486988.0063601
5387

Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/12/28-2B.64-002

Water

Test(s): 8260B

QC Batch # 2004/12/28-2B.64

Date Extracted: 12/28/2004 18:02

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/28/2004 18:02	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/28/2004 18:02	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	12/28/2004 18:02	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	12/28/2004 18:02	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	12/28/2004 18:02	
Benzene	ND	0.5	ug/L	12/28/2004 18:02	
Toluene	ND	0.5	ug/L	12/28/2004 18:02	
Ethylbenzene	ND	0.5	ug/L	12/28/2004 18:02	
Total xylenes	ND	1.0	ug/L	12/28/2004 18:02	
Ethanol	ND	100	ug/L	12/28/2004 18:02	
Surrogates(s)					
1,2-Dichloroethane-d4	105.2	73-130	%	12/28/2004 18:02	
Toluene-d8	102.4	81-114	%	12/28/2004 18:02	
GRO (C4-C12)	ND	50	ug/L	12/28/2004 18:02	

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12/30/2004 11:30

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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Oakland, CA 94612
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5387

Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/12/28-2B.64

LCS 2004/12/28-2B.64-040

Extracted: 12/28/2004

Analyzed: 12/28/2004 17:40

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.6		25	98.4			65-165	20		
Benzene	24.1		25	96.4			69-129	20		
Toluene	24.6		25	98.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	501		500	100.2			73-130			
Toluene-d8	497		500	99.4			81-114			

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12/30/2004 11:30

Page 4 of 6

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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Project: 38486988.0063601
5387

Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/12/28-2B.64

MS/MSD

Lab ID: 2004-12-0695 - 001

MS: 2004/12/28-2B.64-014

Extracted: 12/28/2004

Analyzed: 12/28/2004 19:14

Dilution: 1.00

MSD: 2004/12/28-2B.64-035

Extracted: 12/28/2004

Analyzed: 12/28/2004 19:35

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	31.6	25.8	ND	25	126.4	103.2	20.2	65-165	20		R3
Benzene	28.6	25.7	ND	25	114.4	102.8	10.7	69-129	20		
Toluene	30.3	26.3	ND	25	121.2	105.2	14.1	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	518	512		500	103.6	102.4		73-130			
Toluene-d8	510	486		500	101.9	97.2		81-114			

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Gas/BTEX Fuel Oxygenates by 8260B

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Oakland, CA 94612

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5387

Received: 12/21/2004 17:34

Site: 20200 Hesperian Blvd., Hayward, CA

Legend and Notes

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

R3

RPD exceeds limits due to matrix interf.; % recovs. within limits.

Severn Trent Laboratories, Inc.

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12/30/2004 11:30



STL

STL San Francisco

Sample Receipt Checklist

Submission #: 2004-12-0761

Checklist completed by: (initials) JM Date: 12/22/04

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 ($4^{\circ}\text{C} \pm 2$)?

Temp: 3 °C Yes No ___

Potential reason for > 6°C: Ice melted Ice in bags Not enough ice Not enough blue ice Samples in boxes

Sampled < 4hr. ago? Ice not required (e.g. air or bulk sample)

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:

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):



2004-12-0761

Chain of Custody Record

96867

Project Name: ARCO 5387-SVS Investigation
 BP BU/AR Region/Enfos Segment:
 State or Lead Regulatory Agency: Alameda County Health Care Services
 Requested Due Date (mm/dd/yy): 1/15/04

On-site Time: 0715 Temp: 55°
 Off-site Time: 1400 Temp: 60°
 Sky Conditions: CLEAR
 Meteorological Events: NONE
 Wind Speed: VBR Direction: —

Lab Name: Severn Trent Labs, Inc. (STL)	BP/AR Facility No.: ARCO 5387	Consultant/Contractor: URS Corporation
Address: 1220 Quarry Lane, Pleasanton, CA 94566	BP/AR Facility Address: 20200 Hesperian Blvd., Hayward, CA	Address: 1333 Broadway, Suite 800, Oakland, CA 94612
Lab PM: A/Sansh Salimpour	Site Lat/Long:	Consultant/Contractor Project No.: 38486988.0063601
Tele/Fax: 925-484-1919	California Global ID No.: T0600101368	Consultant/Contractor PM: Scott Robinson
BP/AR PM Contact: Paul Supple	Enfos Project No.:	Tele/Fax: 510-874-3280
Address: P.O. Box 6549, Moraga, CA 94549	Provision or RCOP (circle one)	Report Type & QC Level:
Tele/Fax:	Phase/WBS:	E-mail EDD To:
	Sub Phase/Task:	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)
	Cost Element:	

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative				Requested Analysis					Sample Point Lat/Long and Comments		
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	BTEX S021	BTEX TPH	BTEX/Oxy/TPH	EPA 8260 (6-P, 8-P, 10-P, 15-P)		EPA 8270 (6-P, 8-P, 10-P, 15-P)	TO-14 (full suite-approx. 60 compounds). Please see Comments
1	SP-1	0930	12/21	X				1	X						X					Full suite TO-14 chemicals, including alkanes, aromatics, naphthalenes, etc. (approx. 60 compounds)
2	SP-2	0930	12/21	X				1	X						X					
3	SP-3	0930	12/21	X				1	X						X					
4	SP-4	0935	12/21	X				1	X						X					
5	DRUM	1410	12/21		X			3							X					
6																				*LEAD FOR SOIL SAMPLES
7																				
8																				
9																				
10																				

Sampler's Name: KEVIN LIND	Relinquished By / Affiliation: [Signature] URS	Date: 12/21	Time: 0915	Accepted By / Affiliation: [Signature] STL SP 1	Date: 12/21	Time: 1734
Shipment Date: 12/21/04	Shipment Method: COURIER	Special Instructions:				

Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt 3 °F Trip Blank Yes No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04