

URS-Oakland, CA

December 16, 2004

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 12/06/2004 16:30
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

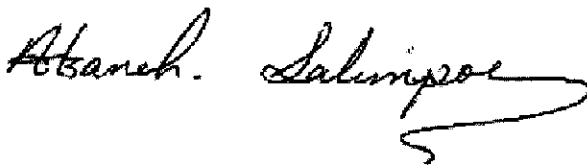
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after
01/20/2005 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

Appendix C
Laboratory Analytical Reports and Chain-of-Custody Records and Soil Vapor Field
Data Logs

URS-Oakland, CA

December 16, 2004

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 2 Soil samples , on Monday, December 06, 2004 4:30 PM.

Analysis Comments and Flags by QC Batch

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Soil	QC Batch#: 200412092A65
---	------	-------------------------

SG-1-4.0
Compound Flag(s) 2004120208 001

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Soil	QC Batch#: 200412092A65032
---	------	----------------------------

SB-2-6.5' >> MS
Analysis Flag(s) 200412092A65032
N1 Internal standard out of range.

SB-2-6.5' >> MS
Analysis Flag(s) 200412092A65032
S1 Surrogate recoveries were higher than QC limits.

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Soil	QC Batch#: 200412092A65056
---	------	----------------------------

SB-2-6.5' >> MSD
Compound Flag(s) 200412092A65056
R1 Analyte RPD was out of QC 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

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: 12/06/2004 16:30

Site: 20200 Hesperian Blvd., Hayward, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SG-1-4.0	12/06/2004 15:10	Soil	1
SG-3-4.0	12/06/2004 15:10	Soil	2

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12/10/2004 15:49

Gas/BTEX Fuel Oxygenates by 8260B

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Attn.: Scott Robinson

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

Project: 38486988.0063601
5387

Received: 12/06/2004 16:30

Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SG-1-4.0	Lab ID: 2004-12-0208 - 1
Sampled: 12/06/2004 15:10	Extracted: 12/10/2004 02:25
Matrix: Soil	QC Batch#: 2004/12/09-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	12/10/2004 02:25	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/10/2004 02:25	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/10/2004 02:25	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/10/2004 02:25	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/10/2004 02:25	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/10/2004 02:25	
Surrogate(s)						
1,2-Dichloroethane-d4	123.3	72-124	%	1.00	12/10/2004 02:25	.
Toluene-d8	103.0	75-116	%	1.00	12/10/2004 02:25	.

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Gas/BTEX Fuel Oxygenates by 8260B

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Received: 12/06/2004 16:30

Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SG-3-4.0	Lab ID:	2004-12-0208 - 2
Sampled:	12/06/2004 15:10	Extracted:	12/10/2004 02:48
Matrix:	Soil	QC Batch#:	2004/12/09-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	12/10/2004 02:48	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/10/2004 02:48	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/10/2004 02:48	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/10/2004 02:48	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/10/2004 02:48	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/10/2004 02:48	
Surrogate(s)						
1,2-Dichloroethane-d4	123.7	72-124	%	1.00	12/10/2004 02:48	
Toluene-d8	107.7	75-116	%	1.00	12/10/2004 02:48	

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Batch QC Report					
Prep(s): 5030B			Test(s): 8260B		
Method Blank			Soil		
MB: 2004/12/09-2A.65-053			QC Batch # 2004/12/09-2A.65		
			Date Extracted: 12/09/2004 18:53		
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	12/09/2004 18:53	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	12/09/2004 18:53	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	12/09/2004 18:53	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	12/09/2004 18:53	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	12/09/2004 18:53	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	12/09/2004 18:53	
Benzene	ND	0.0050	mg/Kg	12/09/2004 18:53	
Toluene	ND	0.0050	mg/Kg	12/09/2004 18:53	
Surrogates(s)					
1,2-Dichloroethane-d4	106.6	72-124	%	12/09/2004 18:53	
Toluene-d8	102.6	75-116	%	12/09/2004 18:53	

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Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Soil			QC Batch # 2004/12/09-2A.65			
LCS	2004/12/09-2A.65-030		Extracted: 12/09/2004			Analyzed: 12/09/2004 18:30			
LCSD									

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0409		0.05	81.8			65-165	20		
Benzene	0.0386		0.05	77.2			69-129	20		
Toluene	0.0400		0.05	80.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	433		500	86.6			72-124			
Toluene-d8	508		500	101.6			75-116			

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Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2004/12/09-2A.65

MS/MSD

Lab ID: 2004-12-0191 - 011

MS: 2004/12/09-2A.65-032

Extracted: 12/09/2004

Analyzed: 12/09/2004 20:32

Dilution: 1.00

MSD: 2004/12/09-2A.65-056

Extracted: 12/09/2004

Analyzed: 12/09/2004 20:56

Dilution: 1.00

Sample / Analysis Flag(s): MS: N1,S1 (See Legend and Note Section)

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	0.0435	0.0366	8.5e-005	0.049603	87.5	75.5	14.7	69-129	20		
Toluene	0.0486	0.0372	0.000203	0.049603	97.6	76.5	24.2	70-130	20		R1
Methyl tert-butyl ether	0.0764	0.0477	0.0115	0.049603	130.8	74.9	54.4	65-165	20		R1
Surrogate(s)											
1,2-Dichloroethane-d4	669	456		500	133.8	91.2		72-124		S1	
Toluene-d8	592	514		500	118.4	102.8		75-116		S1	

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Gas/BTEX Fuel Oxygenates by 8260B

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Legend and Notes

Analysis Flag

N1

Internal standard out of range.

S1

Surrogate recoveries were higher than QC limits.

Result Flag

R1

Analyte RPD was out of QC limits.

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Volatile Organic Compounds by 8260B

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Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SG-1-4.0	12/06/2004 15:10	Soil	1
SG-3-4.0	12/06/2004 15:10	Soil	2

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Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	SG-1-4.0	Lab ID:	2004-12-0208 - 1
Sampled:	12/06/2004 15:10	Extracted:	12/11/2004 16:09
Matrix:	Soil	QC Batch#:	2004/12/11-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Acetone	ND	50	ug/Kg	1.00	12/11/2004 16:09	
Benzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Bromobenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Bromochloromethane	ND	20	ug/Kg	1.00	12/11/2004 16:09	
Bromoform	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Bromomethane	ND	10	ug/Kg	1.00	12/11/2004 16:09	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	12/11/2004 16:09	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Carbon disulfide	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Chlorobenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Chloroethane	ND	10	ug/Kg	1.00	12/11/2004 16:09	
Chloroform	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Chloromethane	ND	10	ug/Kg	1.00	12/11/2004 16:09	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	12/11/2004 16:09	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	12/11/2004 16:09	

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Volatile Organic Compounds by 8260B

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Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	SG-1-4.0	Lab ID:	2004-12-0208 - 1
Sampled:	12/06/2004 15:10	Extracted:	12/11/2004 16:09
Matrix:	Soil	QC Batch#:	2004/12/11-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	10	ug/Kg	1.00	12/11/2004 16:09	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	12/11/2004 16:09	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Ethylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
2-Hexanone	ND	50	ug/Kg	1.00	12/11/2004 16:09	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Methylene chloride	ND	10	ug/Kg	1.00	12/11/2004 16:09	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	12/11/2004 16:09	
Naphthalene	ND	10	ug/Kg	1.00	12/11/2004 16:09	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Styrene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Toluene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Trichloroethene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	

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12/13/2004 08:12

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Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	SG-1-4.0	Lab ID:	2004-12-0208 - 1
Sampled:	12/06/2004 15:10	Extracted:	12/11/2004 16:09
Matrix:	Soil	QC Batch#:	2004/12/11-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Vinyl acetate	ND	50	ug/Kg	1.00	12/11/2004 16:09	
Vinyl chloride	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Total xylenes	ND	5.0	ug/Kg	1.00	12/11/2004 16:09	
Surrogate(s)						
4-Bromofluorobenzene	121.0	74-121	%	1.00	12/11/2004 16:09	
1,2-Dichloroethane-d4	108.8	70-121	%	1.00	12/11/2004 16:09	
Toluene-d8	108.9	81-117	%	1.00	12/11/2004 16:09	

Volatile Organic Compounds by 8260B

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Received: 12/06/2004 16:30

Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	SG-3-4.0	Lab ID:	2004-12-0208 - 2
Sampled:	12/06/2004 15:10	Extracted:	12/11/2004 15:35
Matrix:	Soil	QC Batch#:	2004/12/11-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Acetone	ND	50	ug/Kg	1.00	12/11/2004 15:35	
Benzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Bromobenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Bromochloromethane	ND	20	ug/Kg	1.00	12/11/2004 15:35	
Bromoform	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Bromomethane	ND	10	ug/Kg	1.00	12/11/2004 15:35	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	12/11/2004 15:35	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Carbon disulfide	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Chlorobenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Chloroethane	ND	10	ug/Kg	1.00	12/11/2004 15:35	
Chloroform	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Chloromethane	ND	10	ug/Kg	1.00	12/11/2004 15:35	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	12/11/2004 15:35	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	12/11/2004 15:35	

Severn Trent Laboratories, Inc.

12/13/2004 08:12

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

Volatile Organic Compounds 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: 12/06/2004 16:30

Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s): 5035	Test(s): 8260B
Sample ID: SG-3-4.0	Lab ID: 2004-12-0208 - 2
Sampled: 12/06/2004 15:10	Extracted: 12/11/2004 15:35
Matrix: Soil	QC Batch#: 2004/12/11-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	10	ug/Kg	1.00	12/11/2004 15:35	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	12/11/2004 15:35	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Ethylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
2-Hexanone	ND	50	ug/Kg	1.00	12/11/2004 15:35	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Methylene chloride	ND	10	ug/Kg	1.00	12/11/2004 15:35	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	12/11/2004 15:35	
Naphthalene	ND	10	ug/Kg	1.00	12/11/2004 15:35	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Styrene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Toluene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Trichloroethene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	

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

12/13/2004 08:12

Volatile Organic Compounds 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: 12/06/2004 16:30

Site: 20200 Hesperian Blvd., Hayward, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	SG-3-4.0	Lab ID:	2004-12-0208 - 2
Sampled:	12/06/2004 15:10	Extracted:	12/11/2004 15:35
Matrix:	Soil	QC Batch#:	2004/12/11-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Vinyl acetate	ND	50	ug/Kg	1.00	12/11/2004 15:35	
Vinyl chloride	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Total xylenes	ND	5.0	ug/Kg	1.00	12/11/2004 15:35	
Surrogate(s)						
4-Bromofluorobenzene	117.0	74-121	%	1.00	12/11/2004 15:35	
1,2-Dichloroethane-d4	115.6	70-121	%	1.00	12/11/2004 15:35	
Toluene-d8	107.2	81-117	%	1.00	12/11/2004 15:35	

Volatile Organic Compounds 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: 12/06/2004 16:30

Site: 20200 Hesperian Blvd., Hayward, CA

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2004/12/11-01.71-002

Soil

Test(s): 8260B

QC Batch # 2004/12/11-01.71

Date Extracted: 12/11/2004 15:02

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	12/11/2004 15:02	
Acetone	ND	50	ug/Kg	12/11/2004 15:02	
Benzene	ND	5.0	ug/Kg	12/11/2004 15:02	
Bromodichloromethane	ND	5.0	ug/Kg	12/11/2004 15:02	
Bromobenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
Bromochloromethane	ND	20	ug/Kg	12/11/2004 15:02	
Bromoform	ND	5.0	ug/Kg	12/11/2004 15:02	
Bromomethane	ND	10	ug/Kg	12/11/2004 15:02	
2-Butanone(MEK)	ND	50	ug/Kg	12/11/2004 15:02	
n-Butylbenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
sec-Butylbenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
tert-Butylbenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
Carbon disulfide	ND	5.0	ug/Kg	12/11/2004 15:02	
Carbon tetrachloride	ND	5.0	ug/Kg	12/11/2004 15:02	
Chlorobenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
Chloroethane	ND	10	ug/Kg	12/11/2004 15:02	
Chloroform	ND	5.0	ug/Kg	12/11/2004 15:02	
Chloromethane	ND	10	ug/Kg	12/11/2004 15:02	
2-Chlorotoluene	ND	5.0	ug/Kg	12/11/2004 15:02	
4-Chlorotoluene	ND	5.0	ug/Kg	12/11/2004 15:02	
Dibromochloromethane	ND	5.0	ug/Kg	12/11/2004 15:02	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
1,3-Dichloropropane	ND	5.0	ug/Kg	12/11/2004 15:02	
2,2-Dichloropropane	ND	5.0	ug/Kg	12/11/2004 15:02	
1,1-Dichloropropene	ND	5.0	ug/Kg	12/11/2004 15:02	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	12/11/2004 15:02	
1,2-Dibromoethane	ND	10	ug/Kg	12/11/2004 15:02	

Severn Trent Laboratories, Inc.

12/13/2004 08:12

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Volatile Organic Compounds 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: 12/06/2004 16:30

Site: 20200 Hesperian Blvd., Hayward, CA

Batch QC Report			
Prep(s): 5035			Test(s): 8260B
Method Blank	Soil		QC Batch # 2004/12/11-01.71
MB: 2004/12/11-01.71-002			Date Extracted: 12/11/2004 15:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Dibromomethane	ND	10	ug/Kg	12/11/2004 15:02	
Dichlorodifluoromethane	ND	10	ug/Kg	12/11/2004 15:02	
1,1-Dichloroethane	ND	5.0	ug/Kg	12/11/2004 15:02	
1,2-Dichloroethane	ND	5.0	ug/Kg	12/11/2004 15:02	
1,1-Dichloroethene	ND	5.0	ug/Kg	12/11/2004 15:02	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	12/11/2004 15:02	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	12/11/2004 15:02	
1,2-Dichloropropane	ND	5.0	ug/Kg	12/11/2004 15:02	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	12/11/2004 15:02	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	12/11/2004 15:02	
Ethylbenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
Hexachlorobutadiene	ND	5.0	ug/Kg	12/11/2004 15:02	
2-Hexanone	ND	50	ug/Kg	12/11/2004 15:02	
Isopropylbenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
p-Isopropyltoluene	ND	5.0	ug/Kg	12/11/2004 15:02	
Methylene chloride	ND	10	ug/Kg	12/11/2004 15:02	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	12/11/2004 15:02	
Naphthalene	ND	10	ug/Kg	12/11/2004 15:02	
n-Propylbenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
Styrene	ND	5.0	ug/Kg	12/11/2004 15:02	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	12/11/2004 15:02	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	12/11/2004 15:02	
Tetrachloroethene	ND	5.0	ug/Kg	12/11/2004 15:02	
Toluene	ND	5.0	ug/Kg	12/11/2004 15:02	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	12/11/2004 15:02	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	12/11/2004 15:02	
Trichloroethene	ND	5.0	ug/Kg	12/11/2004 15:02	

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12/13/2004 08:12

Volatile Organic Compounds 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: 12/06/2004 16:30

Site: 20200 Hesperian Blvd., Hayward, CA

Batch QC Report

Prep(s): 5035

Test(s): 8260B

Method Blank

Soil

QC Batch # 2004/12/11-01.71

MB: 2004/12/11-01.71-002

Date Extracted: 12/11/2004 15:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichlorofluoromethane	ND	5.0	ug/Kg	12/11/2004 15:02	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	12/11/2004 15:02	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	12/11/2004 15:02	
Vinyl acetate	ND	50	ug/Kg	12/11/2004 15:02	
Vinyl chloride	ND	5.0	ug/Kg	12/11/2004 15:02	
Total xylenes	ND	5.0	ug/Kg	12/11/2004 15:02	
Surrogates(s)					
4-Bromofluorobenzene	105.7	74-121	%	12/11/2004 15:02	
1,2-Dichloroethane-d4	103.7	70-121	%	12/11/2004 15:02	
Toluene-d8	106.1	81-117	%	12/11/2004 15:02	

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12/13/2004 08:12

Volatile Organic Compounds 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: 12/06/2004 16:30

Site: 20200 Hesperian Blvd., Hayward, CA

Batch QC Report									
Prep(s): 5035					Test(s): 8260B				
Laboratory Control Spike			Soil			QC Batch # 2004/12/11-01.71			
LCS		2004/12/11-01.71-050		Extracted: 12/11/2004		Analyzed: 12/11/2004 13:50			
LCSD									

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	92.9		100.0	92.9			69-129	20		
Chlorobenzene	90.1		100.0	90.1			61-121	20		
1,1-Dichloroethene	89.4		100.0	89.4			65-125	20		
Toluene	92.3		100.0	92.3			70-130	20		
Trichloroethene	88.9		100.0	88.9			74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	536		500	107.2			74-121			
1,2-Dichloroethane-d4	484		500	96.8			70-121			
Toluene-d8	541		500	108.2			81-117			

Severn Trent Laboratories, Inc.

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12/13/2004 08:12

Volatile Organic Compounds 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: 12/06/2004 16:30

Site: 20200 Hesperian Blvd., Hayward, CA

Batch QC Report			
Prep(s):	5035	Test(s):	8260B
Matrix Spike (MS / MSD)		Soil	QC Batch # 2004/12/11-01.71
SG-1-4.0 >> MS		Lab ID:	2004-12-0208 - 001
MS: 2004/12/11-01.71-042	Extracted: 12/11/2004	Analyzed:	12/11/2004 16:42
		Dilution:	1.00
MSD: 2004/12/11-01.71-016	Extracted: 12/11/2004	Analyzed:	12/11/2004 17:16
		Dilution:	1.00

Compound	Conc. ug/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Benzene	89.6	87.2	ND	85.2	105.2	105.6	0.4	69-129	20		
Chlorobenzene	81.7	80.0	ND	85.2	95.9	96.9	1.0	61-121	20		
1,1-Dichloroethene	85.8	86.4	ND	85.2	100.7	104.6	3.8	65-125	20		
Toluene	87.1	86.7	ND	85.2	102.2	105.0	2.7	70-130	20		
Trichloroethene	84.7	79.6	ND	85.2	99.4	96.4	3.1	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	543	567		500	108.6	113.5		74-121			
1,2-Dichloroethane-d4	538	535		500	107.6	107.0		70-121			
Toluene-d8	553	550		500	110.6	109.9		81-117			

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

12/13/2004 08:12

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 12 - 0208

Checklist completed by: (initials) JG Date: 12-6 /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°C ± 2)? Temp: 6°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. all on 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 - ○), 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):



2004-12-0208

Chain of Custody Record

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/yyyy): 12/11/2004

96319 Page 1 of 1

On-site Time: <u>7:00</u>	Temp:
Off-site Time:	Temp:
Sky Conditions: <u>cloudy</u>	
Meteorological Events: <u>windy</u>	
Wind Speed: <u>W N/A</u>	Direction: <u>SW</u>

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

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 821	BTEX/TPH	BTEX/Oxy/TPH	EPA 8260	EPA 8270				
1	SG-1-4.0	5:10	12/6	X				7								X	X					
2	SG-3-4.0	5:10	12/6	X				7								X	X					
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Sampler's Name: <u>Srijesh Thapa</u>	Relinquished By / Affiliation: <u>Rachel [Signature]</u>	Date: <u>12/6</u>	Time: <u>15:50</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>12/6/04</u>	Time: <u>15:50</u>
Sampler's Company: <u>URS</u>						
Shipment Date: <u>12/6/04</u>						
Shipment Method: <u>5M Courier Pickup</u>						
Shipment Tracking No:						

Special Instructions: Keep samples on ice.

Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt 10 °F Trip Blank Yes No