TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 0353 Project Number: [none] Project Manager: John Nordenstam	**Reported:** 12/21/05 11:18

Notes and Definitions

V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.
J	Estimated value
A53	Chromatogram not typical of gasoline.
A01	PQL's and MDL's are raised due to sample dilution.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
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SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

October 4, 2005

STL LOT NUMBER: **E5I300334**
PO/CONTRACT: 4711TRC009

John Nordenstam
TRC
21 Technology Drive
Irvine, CA 92718

Dear John Nordenstam,

This report contains the analytical results for the two samples received under chain of custody by STL Los Angeles on September 30, 2005. These samples are associated with your ConocoPhillips Site #0353 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000019 pages.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,

Beth Riley
Project Manager

cc: Project File

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TRC	Project Manager: John Nordenstam (949) 283-4754 TRC	Date: 9-29-05	Chain of Custody Number: 217176
Address: 21 Technology Dr.	Telephone Number (Area Code)/Fax Number: 949-283-5448 Gabe Ferramola TRC	Lab Number: E5I300334	Page ____ of ____
City: Irvine; State: CA; Zip Code:	Site Contact: Rich Greene (949) 678-5355	Lab Contact: Beth Riley	
Project Name and Location (State): Former Texaco Station #0353 200 S. Central Ave Glendale Ca. 91204	Carrier/Waybill Number: Work Order # 4711TRC009		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	(DETK TPH LAB)	Analysis: TPHG EPA METH TO-3		BTEX EPA METH TO-14		OXYGENATES MTBE, DIPE TAME, ETBA TBA EPA METHOD TO-14						Special Instructions/ Conditions of Receipt
VW-3A END	9-28-05	11:45 AM	X											X	X		X		X						call John N.
VW-3B START	9-28-05	12:45 AM	X											X	X		X		X						(949) 283-4754

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: NORMAL ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: James R Greene	9-30-05		1. Received By: Jerry Swart	93005	1302
2. Relinquished By: Jerry Swart	93005	1345	2. Received By: Beth Riley	9/30/05	1345
3. Relinquished By:			3. Received By:		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

000002

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. GLENDALE, CA

ConocoPhillips Site #0353

Lot #: E5I300334

John Nordenstam

TRC

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

October 4, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5I300334

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
VW-3A END 09/29/05 11:45 001				
TPH (as Gasoline)	92	1.0	ppm(v/v)	EPA-19 TO-3
Benzene	0.39	0.067	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	2.8	0.067	ppm(v/v)	EPA-21 TO-14A
Toluene	6.1	0.17	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	21	0.067	ppm(v/v)	EPA-21 TO-14A
VW-3B START 09/29/05 12:45 002				
TPH (as Gasoline)	130	1.0	ppm(v/v)	EPA-19 TO-3
Benzene	0.42	0.10	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	3.5	0.10	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	0.61	0.10	ppm(v/v)	EPA-21 TO-14A
Toluene	8.2	0.25	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	26	0.10	ppm(v/v)	EPA-21 TO-14A

METHODS SUMMARY

E5I300334

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
TPH by TO-3	EPA-19 TO-3	
Volatile Organics by TO-14A	EPA-21 TO-14A	

References:

EPA-19 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA/600/4-89/017, January 1988

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5I300334

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HLTC8	001	VW-3A END	09/29/05	11:45
HLTDP	002	VW-3B START	09/29/05	12:45

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TRC

Client Sample ID: VW-3A END

GC/MS Volatiles

Lot-Sample #...: E5I300334-001 **Work Order #...:** HLTC81AC **Matrix.....:** V
Date Sampled...: 09/29/05 11:45 **Date Received..:** 09/30/05 13:45 **MS Run #.....:**
Prep Date.....: 09/30/05 **Analysis Date..:** 09/30/05
Prep Batch #...: 5276251 **Analysis Time..:** 20:33
Dilution Factor: 33.33
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.39**	**0.067**	**ppm(v/v)**	**0.027**
tert-Butyl alcohol	ND	0.33	ppm(v/v)	0.067
Diisopropyl ether	ND	0.067	ppm(v/v)	0.013
Tert-amyl methyl ether	ND	0.067	ppm(v/v)	0.013
Tert-butyl ethyl ether	ND	0.067	ppm(v/v)	0.0067
Ethylbenzene	**2.8**	**0.067**	**ppm(v/v)**	**0.017**
Methyl tert-butyl ether (MTBE)	ND	0.067	ppm(v/v)	0.017
Toluene	**6.1**	**0.17**	**ppm(v/v)**	**0.017**
Xylenes (total)	**21**	**0.067**	**ppm(v/v)**	**0.033**

TRC

Client Sample ID: VW-3A END

GC Volatiles

Lot-Sample #...:	E5I300334-001	Work Order #...:	HLTC81AA	Matrix.....:	V
Date Sampled...:	09/29/05 11:45	Date Received..:	09/30/05 13:45	MS Run #.....:	
Prep Date.....:	09/30/05	Analysis Date..:	09/30/05		
Prep Batch #...:	5276171	Analysis Time..:	14:55		
Dilution Factor:	1				
Analyst ID.....:	402431	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	92	1.0	ppm(v/v)	0.30

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-3B START

GC/MS Volatiles

Lot-Sample #...: E5I300334-002 **Work Order #...:** HLTDP1AC **Matrix.....:** V
Date Sampled...: 09/29/05 12:45 **Date Received..:** 09/30/05 13:45 **MS Run #.....:**
Prep Date.....: 09/30/05 **Analysis Date..:** 09/30/05
Prep Batch #...: 5276251 **Analysis Time..:** 21:08
Dilution Factor: 50
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.42**	**0.10**	**ppm(v/v)**	**0.040**
tert-Butyl alcohol	ND	0.50	ppm(v/v)	0.10
Diisopropyl ether	ND	0.10	ppm(v/v)	0.020
Tert-amyl methyl ether	ND	0.10	ppm(v/v)	0.020
Tert-butyl ethyl ether	ND	0.10	ppm(v/v)	0.010
Ethylbenzene	**3.5**	**0.10**	**ppm(v/v)**	**0.025**
Methyl tert-butyl ether (MTBE)	**0.61**	**0.10**	**ppm(v/v)**	**0.025**
Toluene	**8.2**	**0.25**	**ppm(v/v)**	**0.025**
Xylenes (total)	**26**	**0.10**	**ppm(v/v)**	**0.050**

TRC

Client Sample ID: VW-3B START

GC Volatiles

Lot-Sample #...:	E5I300334-002	**Work Order #...:**	HLTDP1AA	**Matrix.....:**	V
Date Sampled...:	09/29/05 12:45	**Date Received..:**	09/30/05 13:45	**MS Run #.....:**	
Prep Date.....:	09/30/05	**Analysis Date..:**	09/30/05		
Prep Batch #...:	5276171	**Analysis Time..:**	15:16		
Dilution Factor:	1				
Analyst ID.....:	402431	**Instrument ID..:**	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**130**	**1.0**	**ppm(v/v)**	**0.30**

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5I300334

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	V	EPA-19 TO-3		5276171	
	V	EPA-21 TO-14A		5276251	
002	V	EPA-19 TO-3		5276171	
	V	EPA-21 TO-14A		5276251	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5I300334 **Work Order #...:** HLW491AA **Matrix.....:** AIR
MB Lot-Sample #: M5J030000-251

Prep Date.....: 09/30/05 **Analysis Time..:** 13:14
Analysis Date..: 09/30/05 **Prep Batch #...:** 5276251 **Instrument ID..:** MSA
Dilution Factor: 1

Analyst ID.....: 117751

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
tert-Butyl alcohol	ND	0.010	ppm(v/v)	EPA-21 TO-14A
Diisopropyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	ND	0.0050	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E5I300334 **Work Order #...:** HLWXT1AA **Matrix.....:** AIR
MB Lot-Sample #: M5J030000-171

Prep Date.....: 09/29/05 **Analysis Time..:** 23:19
Analysis Date..: 09/29/05 **Prep Batch #...:** 5276171 **Instrument ID..:** GC7
Dilution Factor: 1

Analyst ID.....: 402431

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH (as Gasoline)	ND	1.0	ppm(v/v)	EPA-19 TO-3

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5I300334 **Work Order #...:** HLW491AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J030000-251 HLW491AD-LCSD
Prep Date.....: 09/30/05 **Analysis Date..:** 09/30/05
Prep Batch #...: 5276251 **Analysis Time..:** 12:15
Dilution Factor: 1 **Instrument ID..:** MSA
Analyst ID.....: 117751

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Toluene	**100**	**(75 - 125)**			**EPA-21 TO-14A**
	98	**(75 - 125)**	**2.0**	**(0-20)**	**EPA-21 TO-14A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5I300334 **Work Order #...:** HLW491AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J030000-251 HLW491AD-LCSD
Prep Date.....: 09/30/05 **Analysis Date..:** 09/30/05
Prep Batch #...: 5276251 **Analysis Time..:** 12:15
Dilution Factor: 1 **Instrument ID..:** MSA
Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Toluene	**0.0495**	**0.0493**	**ppm(v/v)**	**100**		**EPA-21 TO-14A**
	0.0495	**0.0483**	**ppm(v/v)**	**98**	**2.0**	**EPA-21 TO-14A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E5I300334 **Work Order #...:** HLWXT1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J030000-171 HLWXT1AD-LCSD
Prep Date.....: 09/29/05 **Analysis Date..:** 09/29/05
Prep Batch #...: 5276171 **Analysis Time..:** 21:52
Dilution Factor: 1 **Instrument ID..:** GC7
Analyst ID.....: 402431

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**93**	**(75 - 125)**			**EPA-19 TO-3**
	93	**(75 - 125)**	**0.40**	**(0-20)**	**EPA-19 TO-3**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E5I300334 **Work Order #...:** HLWXT1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J030000-171 HLWXT1AD-LCSD
Prep Date.....: 09/29/05 **Analysis Date..:** 09/29/05
Prep Batch #...: 5276171 **Analysis Time..:** 21:52
Dilution Factor: 1 **Instrument ID..:** GC7
Analyst ID.....: 402431

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	**10.7**	**9.93**	**ppm(v/v)**	**93**		**EPA-19 TO-3**
	10.7	**9.97**	**ppm(v/v)**	**93**	**0.40**	**EPA-19 TO-3**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

October 7, 2005

STL LOT NUMBER: **E5I280392**
PO/CONTRACT: 4711TRC009

John Nordenstam
TRC
21 Technology Drive
Irvine, CA 92718

Dear John Nordenstam,

This report contains the analytical results for the five samples received under chain of custody by STL Los Angeles on September 28, 2005. These samples are associated with your CONOCOPHILLIPS SITE #0353 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000026 pages.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,

Beth Riley
Project Manager

cc: Project File

[redacted]

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
TRC	John N 949-283-4754 (TRC)	9-27-05	182747
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	
21 Technology Drive	949-283-5448 (TRC) Gabe Ferramola	ESI280392	Page ____ of ____
City / State / Zip Code	**Site Contact / Lab Contact**		
Irvine / CA	Rick Greene 678-5355 / Beth Riley		
Project Name and Location (State)	**Carrier/Waybill Number**		
76 Station #0353 200 S. Central Ave Glendale, Calif 91204	Concco Phillips / Work order # 4711TRC009		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Total Containers	TPH-G EPA Met. TPH		BTEX EPA Met. TPH	(Oxygenates MTBE, DIPE, TAME, ETBE EPA Met. TPH)		Special Instructions/ Conditions of Receipt
VW-1A-Start	9-27-05	1215	X										X			X		X	Call John first 949-283-4754
VW-2A-Start	9-27-05	1215	X										X			X		X	
VW-3A-Start	9-27-05	1215	X										X			X		X	
VW-1B-Start	9-27-05	1445	X										X			X		X	
VW-2B-Start	9-27-05	1445	X										X			X		X	

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other NORMAL

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: David Yasumura 714-277-6512	9-27-05	1220	1. Received By: [signature]	9/28/05	0931
2. Relinquished By: [signature]	9/28/05	1250	2. Received By: [signature]	9 28 05	1250
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. GLENDALE, CA

CONOCOPHILLIPS SITE#0353

Lot #: E5I280392

John Nordenstam

TRC

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

October 6, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5I280392

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
VW-1A-START 09/27/05 12:15 001				
TPH (as Gasoline)	200	8.6	ppm(v/v)	EPA-19 TO-3
Benzene	0.73	0.10	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	3.0	0.10	ppm(v/v)	EPA-21 TO-14A
Toluene	7.8	0.25	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	36	0.10	ppm(v/v)	EPA-21 TO-14A
VW-2A-START 09/27/05 12:15 002				
TPH (as Gasoline)	82	1.0	ppm(v/v)	EPA-19 TO-3
Benzene	0.37	0.050	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	2.4	0.050	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	0.065	0.050	ppm(v/v)	EPA-21 TO-14A
Toluene	5.9	0.12	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	15	0.050	ppm(v/v)	EPA-21 TO-14A
VW-3A-START 09/27/05 12:15 003				
TPH (as Gasoline)	14	1.0	ppm(v/v)	EPA-19 TO-3
Benzene	0.044	0.0067	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	0.27	0.0067	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	0.056	0.0067	ppm(v/v)	EPA-21 TO-14A
Toluene	0.56	0.017	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	2.4	0.0067	ppm(v/v)	EPA-21 TO-14A
VW-1B-START 09/27/05 14:45 004				
TPH (as Gasoline)	720	45	ppm(v/v)	EPA-19 TO-3
Benzene	3.7	1.0	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	18	1.0	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	1.8	1.0	ppm(v/v)	EPA-21 TO-14A
Toluene	99	2.5	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	130	1.0	ppm(v/v)	EPA-21 TO-14A
VW-2B-START 09/27/05 14:45 005				
TPH (as Gasoline)	1200	45	ppm(v/v)	EPA-19 TO-3
Benzene	6.7	1.0	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	31	1.0	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	1.2	1.0	ppm(v/v)	EPA-21 TO-14A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E5I280392

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
VW-2B-START 09/27/05 14:45 005				
Toluene	120	2.5	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	180	1.0	ppm(v/v)	EPA-21 TO-14A

METHODS SUMMARY

E5I280392

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
TPH by TO-3	EPA-19 TO-3	
Volatile Organics by TO-14A	EPA-21 TO-14A	

References:

EPA-19 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA/600/4-89/017, January 1988

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5I280392

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HLLLH	001	VW-1A-START	09/27/05	12:15
HLLL4	002	VW-2A-START	09/27/05	12:15
HLLL7	003	VW-3A-START	09/27/05	12:15
HLLL9	004	VW-1B-START	09/27/05	14:45
HLLMD	005	VW-2B-START	09/27/05	14:45

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TRC

Client Sample ID: VW-1A-START

GC/MS Volatiles

Lot-Sample #...: E5I280392-001 **Work Order #...:** HLLLH1AC **Matrix.....:** V
Date Sampled...: 09/27/05 12:15 **Date Received..:** 09/28/05 12:50 **MS Run #.....:**
Prep Date.....: 09/29/05 **Analysis Date..:** 09/29/05
Prep Batch #...: 5273558 **Analysis Time..:** 08:24
Dilution Factor: 50
Analyst ID.....: 101605 **Instrument ID..:** MSB
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.73**	**0.10**	**ppm(v/v)**	**0.040**
tert-Butyl alcohol	ND	0.50	ppm(v/v)	0.10
Diisopropyl ether	ND	0.10	ppm(v/v)	0.020
Tert-amyl methyl ether	ND	0.10	ppm(v/v)	0.020
Tert-butyl ethyl ether	ND	0.10	ppm(v/v)	0.010
Ethylbenzene	**3.0**	**0.10**	**ppm(v/v)**	**0.025**
Methyl tert-butyl ether (MTBE)	ND	0.10	ppm(v/v)	0.025
Toluene	**7.8**	**0.25**	**ppm(v/v)**	**0.025**
Xylenes (total)	**36**	**0.10**	**ppm(v/v)**	**0.050**

TRC

Client Sample ID: VW-1A-START

GC Volatiles

Lot-Sample #...:	E5I280392-001	Work Order #...:	HLLLH1AA	Matrix.....:	V
Date Sampled...:	09/27/05 12:15	Date Received..:	09/28/05 12:50	MS Run #.....:	
Prep Date.....:	09/29/05	Analysis Date..:	09/29/05		
Prep Batch #...:	5273012	Analysis Time..:	10:43		
Dilution Factor:	8.6				
Analyst ID.....:	358011	Instrument ID..:	GC6		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	200	8.6	ppm(v/v)	2.6

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-2A-START

GC/MS Volatiles

Lot-Sample #...:	E5I280392-002	Work Order #...:	HLLL41AC	Matrix.....:	V
Date Sampled...:	09/27/05 12:15	Date Received..:	09/28/05 12:50	MS Run #.....:	
Prep Date.....:	09/29/05	Analysis Date..:	09/29/05		
Prep Batch #...:	5273558	Analysis Time..:	08:56		
Dilution Factor:	25				
Analyst ID.....:	101605	Instrument ID..:	MSB		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.37**	**0.050**	**ppm(v/v)**	**0.020**
tert-Butyl alcohol	ND	0.25	ppm(v/v)	0.050
Diisopropyl ether	ND	0.050	ppm(v/v)	0.010
Tert-amyl methyl ether	ND	0.050	ppm(v/v)	0.010
Tert-butyl ethyl ether	ND	0.050	ppm(v/v)	0.0050
Ethylbenzene	**2.4**	**0.050**	**ppm(v/v)**	**0.012**
Methyl tert-butyl ether (MTBE)	**0.065**	**0.050**	**ppm(v/v)**	**0.012**
Toluene	**5.9**	**0.12**	**ppm(v/v)**	**0.012**
Xylenes (total)	**15**	**0.050**	**ppm(v/v)**	**0.025**

TRC

Client Sample ID: VW-2A-START

GC Volatiles

Lot-Sample #...:	E5I280392-002	Work Order #...:	HLLL41AA	Matrix.....:	V
Date Sampled...:	09/27/05 12:15	Date Received..:	09/28/05 12:50	MS Run #.....:	
Prep Date.....:	09/29/05	Analysis Date..:	09/29/05		
Prep Batch #...:	5273012	Analysis Time..:	10:22		
Dilution Factor:	1				
Analyst ID.....:	358011	Instrument ID..:	GC6		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	82	1.0	ppm(v/v)	0.30

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-3A-START

GC/MS Volatiles

Lot-Sample #...:	E5I280392-003	Work Order #...:	HLLL71AC	Matrix.....:	V
Date Sampled...:	09/27/05 12:15	Date Received..:	09/28/05 12:50	MS Run #.....:	
Prep Date.....:	09/29/05	Analysis Date..:	09/29/05		
Prep Batch #...:	5273558	Analysis Time..:	09:31		
Dilution Factor:	3.33				
Analyst ID.....:	101605	Instrument ID..:	MSB		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.044**	**0.0067**	**ppm(v/v)**	**0.0027**
tert-Butyl alcohol	ND	0.033	ppm(v/v)	0.0067
Diisopropyl ether	ND	0.0067	ppm(v/v)	0.0013
Tert-amyl methyl ether	ND	0.0067	ppm(v/v)	0.0013
Tert-butyl ethyl ether	ND	0.0067	ppm(v/v)	0.00067
Ethylbenzene	**0.27**	**0.0067**	**ppm(v/v)**	**0.0017**
Methyl tert-butyl ether (MTBE)	**0.056**	**0.0067**	**ppm(v/v)**	**0.0017**
Toluene	**0.56**	**0.017**	**ppm(v/v)**	**0.0017**
Xylenes (total)	**2.4**	**0.0067**	**ppm(v/v)**	**0.0033**

TRC

Client Sample ID: VW-3A-START

GC Volatiles

Lot-Sample #...:	E5I280392-003	Work Order #...:	HLLL71AA	Matrix.....:	V
Date Sampled...:	09/27/05 12:15	Date Received..:	09/28/05 12:50	MS Run #.....:	
Prep Date.....:	09/29/05	Analysis Date..:	09/29/05		
Prep Batch #...:	5273012	Analysis Time..:	09:59		
Dilution Factor:	1				
Analyst ID.....:	358011	Instrument ID..:	GC6		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	14	1.0	ppm(v/v)	0.30

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-1B-START

GC/MS Volatiles

Lot-Sample #...:	E5I280392-004	Work Order #...:	HLLL91AC	Matrix.....:	V
Date Sampled...:	09/27/05 14:45	Date Received..:	09/28/05 12:50	MS Run #.....:	
Prep Date.....:	09/29/05	Analysis Date..:	09/29/05		
Prep Batch #...:	5273558	Analysis Time..:	10:09		
Dilution Factor:	500				
Analyst ID.....:	101605	Instrument ID..:	MSB		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**3.7**	**1.0**	**ppm(v/v)**	**0.40**
tert-Butyl alcohol	ND	5.0	ppm(v/v)	1.0
Diisopropyl ether	ND	1.0	ppm(v/v)	0.20
Tert-amyl methyl ether	ND	1.0	ppm(v/v)	0.20
Tert-butyl ethyl ether	ND	1.0	ppm(v/v)	0.10
Ethylbenzene	**18**	**1.0**	**ppm(v/v)**	**0.25**
Methyl tert-butyl ether (MTBE)	**1.8**	**1.0**	**ppm(v/v)**	**0.25**
Toluene	**99**	**2.5**	**ppm(v/v)**	**0.25**
Xylenes (total)	**130**	**1.0**	**ppm(v/v)**	**0.50**

TRC

Client Sample ID: VW-1B-START

GC Volatiles

Lot-Sample #...:	E5I280392-004	Work Order #...:	HLLL91AA	Matrix.....:	V
Date Sampled...:	09/27/05 14:45	Date Received..:	09/28/05 12:50	MS Run #.....:	
Prep Date.....:	09/29/05	Analysis Date..:	09/29/05		
Prep Batch #...:	5273012	Analysis Time..:	11:08		
Dilution Factor:	45				
Analyst ID.....:	358011	Instrument ID..:	GC6		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	720	45	ppm(v/v)	14

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-2B-START

GC/MS Volatiles

Lot-Sample #...:	E5I280392-005	Work Order #...:	HLLMD1AC	Matrix.....:	V
Date Sampled...:	09/27/05 14:45	Date Received..:	09/28/05 12:50	MS Run #.....:	
Prep Date.....:	09/29/05	Analysis Date..:	09/29/05		
Prep Batch #...:	5273558	Analysis Time..:	10:44		
Dilution Factor:	500				
Analyst ID.....:	101605	Instrument ID..:	MSB		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**6.7**	**1.0**	**ppm(v/v)**	**0.40**
tert-Butyl alcohol	ND	5.0	ppm(v/v)	1.0
Diisopropyl ether	ND	1.0	ppm(v/v)	0.20
Tert-amyl methyl ether	ND	1.0	ppm(v/v)	0.20
Tert-butyl ethyl ether	ND	1.0	ppm(v/v)	0.10
Ethylbenzene	**31**	**1.0**	**ppm(v/v)**	**0.25**
Methyl tert-butyl ether (MTBE)	**1.2**	**1.0**	**ppm(v/v)**	**0.25**
Toluene	**120**	**2.5**	**ppm(v/v)**	**0.25**
Xylenes (total)	**180**	**1.0**	**ppm(v/v)**	**0.50**

TRC

Client Sample ID: VW-2B-START

GC Volatiles

Lot-Sample #...:	E5I280392-005	Work Order #...:	HLLMD1AA	Matrix.....:	V
Date Sampled...:	09/27/05 14:45	Date Received..:	09/28/05 12:50	MS Run #.....:	
Prep Date.....:	09/29/05	Analysis Date..:	09/29/05		
Prep Batch #...:	5273012	Analysis Time..:	11:46		
Dilution Factor:	45				
Analyst ID.....:	358011	Instrument ID..:	GC6		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	1200	45	ppm(v/v)	14

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5I280392

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	V	EPA-19 TO-3		5273012	
	V	EPA-21 TO-14A		5273558	
002	V	EPA-19 TO-3		5273012	
	V	EPA-21 TO-14A		5273558	
003	V	EPA-19 TO-3		5273012	
	V	EPA-21 TO-14A		5273558	
004	V	EPA-19 TO-3		5273012	
	V	EPA-21 TO-14A		5273558	
005	V	EPA-19 TO-3		5273012	
	V	EPA-21 TO-14A		5273558	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5I280392 **Work Order #...:** HLT5K1AA **Matrix.....:** AIR
MB Lot-Sample #: M5I300000-558

Prep Date.....: 09/28/05 **Analysis Time..:** 14:10
Analysis Date..: 09/28/05 **Prep Batch #...:** 5273558 **Instrument ID..:** MSB
Dilution Factor: 1

Analyst ID.....: 101605

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
tert-Butyl alcohol	ND	0.010	ppm(v/v)	EPA-21 TO-14A
Diisopropyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	ND	0.0050	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E5I280392
MB Lot-Sample #: M5I300000-012

Work Order #...: HL4VC1AA

Matrix.....: AIR

Prep Date.....: 09/28/05

Analysis Time..: 21:33

Analysis Date..: 09/28/05

Prep Batch #...: 5273012

Instrument ID..: GC6

Dilution Factor: 1

Analyst ID.....: 358011

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH (as Gasoline)	ND	1.0	ppm(v/v)	EPA-19 TO-3

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E5I280392	**Work Order #...:**	HLT5K1AC-LCS	**Matrix.....:**	AIR
LCS Lot-Sample#:	M5I300000-558		HLT5K1AD-LCSD		
Prep Date.....:	09/28/05	**Analysis Date..:**	09/28/05		
Prep Batch #...:	5273558	**Analysis Time..:**	12:50		
Dilution Factor:	1	**Instrument ID..:**	MSB		
Analyst ID.....:	101605				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Toluene	**104**	**(75 - 125)**			**EPA-21 TO-14A**
	104	**(75 - 125)**	**0.090**	**(0-20)**	**EPA-21 TO-14A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5I280392 Work Order #...: HLT5K1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5I300000-558 HLT5K1AD-LCSD
Prep Date.....: 09/28/05 Analysis Date..: 09/28/05
Prep Batch #...: 5273558 Analysis Time..: 12:50
Dilution Factor: 1 Instrument ID..: MSB
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Toluene	0.0495	0.0517	ppm(v/v)	104		EPA-21 TO-14A
	0.0495	0.0516	ppm(v/v)	104	0.090	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E5I280392 **Work Order #...:** HL4VC1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5I300000-012 HL4VC1AD-LCSD
Prep Date.....: 09/28/05 **Analysis Date..:** 09/28/05
Prep Batch #...: 5273012 **Analysis Time..:** 20:36
Dilution Factor: 1 **Instrument ID..:** GC6
Analyst ID.....: 358011

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**103**	**(75 - 125)**			**EPA-19 TO-3**
	104	**(75 - 125)**	**0.97**	**(0-20)**	**EPA-19 TO-3**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E5I280392 Work Order #...: HL4VC1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5I300000-012 HL4VC1AD-LCSD
Prep Date.....: 09/28/05 Analysis Date..: 09/28/05
Prep Batch #...: 5273012 Analysis Time..: 20:36
Dilution Factor: 1 Instrument ID..: GC6
Analyst ID.....: 358011

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	**30.0**	**30.9**	**ppm(v/v)**	**103**		**EPA-19 TO-3**
	30.0	**31.2**	**ppm(v/v)**	**104**	**0.97**	**EPA-19 TO-3**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

October 11, 2005

STL LOT NUMBER: **E5J040180**
PO/CONTRACT: 4711TRC009

John Nordenstam
TRC
21 Technology Drive
Irvine, CA 92718

Dear John Nordenstam,

This report contains the analytical results for the six samples received under chain of custody by STL Los Angeles on October 4, 2005. These samples are associated with your CONOCOPHILLIPS SITE#0353 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000029 pages.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,

Beth Riley
Project Manager

cc: Project File

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TRC	Project Manager: John Nordenstam (949) 283-4754 (TRC)	Date: 10-1-05	Chain of Custody Number: 179862
Address: 21 Technology DR.	Telephone Number (Area Code)/Fax Number: 949-283-5448 Gabe Ferrumolo	Lab Number: E5S040180	Page 1 of 1
City: Irvine; State: Ca; Zip Code:	Site Contact: PAT LOYA (949) 283-4865	Lab Contact: Beth Riley	
Project Name and Location (State): (76) Conoco Phillips II 0353, Glendale Ca. 91204 2005 Central AVE	Carrier/Waybill Number: Work order # 4711TRL009		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Tedlar		TPHG EPA method TO-3	BTEX EPA method TO-14		DXY (ethanol) MTBE, DIPE		TBAME, ETBA,	TBA, EPA, Method TO-14				Special Instructions/ Conditions of Receipt
Combined System	10/3/05	11:00 AM												X		X	X		X		X	X				Call John N.
VW-1A	10/3/05	11:00 AM												X		X	X		X		X	X				(949) 283-4754
VW-2A	10/3/05	11:00 AM												X		X	X		X		X	X				
VW-3B	10/3/05	11:00 AM												X		X	X		X		X	X				
VW-1B	10/3/05	11:00 AM												X		X	X		X		X	X				
VW-2B	10/3/05	11:00 AM												X		X	X		X		X	X				

000002

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____ NORMAL

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	10/3/05	2:00pm	1. Received By: SFS YARD		
2. Relinquished By			2. Received By: Jerry Stuart	10-4-05	0835
3. Relinquished By: Jerry Stuart	10-4-05	0935	3. Received By	10/4/05	0935

Comments:

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. GLENDALE, CA

CONOCOPHILLIPS SITE#0353

Lot #: E5J040180

John Nordenstam

TRC

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

October 7, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5J040180

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
COMBINED SYSTEM 10/03/05 11:00 001				
TPH (as Gasoline)	170	20	ppm(v/v)	EPA-19 TO-3
Ethylbenzene	5.4	0.10	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	1.0	0.10	ppm(v/v)	EPA-21 TO-14A
Toluene	9.4	0.25	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	42	0.10	ppm(v/v)	EPA-21 TO-14A
VW-1A 10/03/05 11:00 002				
TPH (as Gasoline)	200	20	ppm(v/v)	EPA-19 TO-3
Ethylbenzene	1.8	0.10	ppm(v/v)	EPA-21 TO-14A
Toluene	1.6	0.25	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	38	0.10	ppm(v/v)	EPA-21 TO-14A
VW-2A 10/03/05 11:00 003				
TPH (as Gasoline)	140	20	ppm(v/v)	EPA-19 TO-3
Ethylbenzene	6.2	0.10	ppm(v/v)	EPA-21 TO-14A
Toluene	8.6	0.25	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	41	0.10	ppm(v/v)	EPA-21 TO-14A
VW-3B 10/03/05 11:00 004				
TPH (as Gasoline)	68	8.8	ppm(v/v)	EPA-19 TO-3
Ethylbenzene	1.9	0.040	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	1.3	0.040	ppm(v/v)	EPA-21 TO-14A
Toluene	1.7	0.10	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	14	0.040	ppm(v/v)	EPA-21 TO-14A
VW-1B 10/03/05 11:00 005				
TPH (as Gasoline)	300	20	ppm(v/v)	EPA-19 TO-3
Ethylbenzene	10	0.20	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	1.2	0.20	ppm(v/v)	EPA-21 TO-14A
Toluene	18	0.50	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	75	0.20	ppm(v/v)	EPA-21 TO-14A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E5J040180

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
VW-2B 10/03/05 11:00 006				
TPH (as Gasoline)	240	20	ppm(v/v)	EPA-19 TO-3
Benzene	0.24	0.10	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	6.4	0.10	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	3.1	0.10	ppm(v/v)	EPA-21 TO-14A
Toluene	16	0.25	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	41	0.10	ppm(v/v)	EPA-21 TO-14A

METHODS SUMMARY

E5J040180

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
TPH by TO-3	EPA-19 TO-3	
Volatile Organics by TO-14A	EPA-21 TO-14A	

References:

EPA-19 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA/600/4-89/017, January 1988

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5J040180

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HL0KW	001	COMBINED SYSTEM	10/03/05	11:00
HL0K4	002	VW-1A	10/03/05	11:00
HL0K6	003	VW-2A	10/03/05	11:00
HL0K7	004	VW-3B	10/03/05	11:00
HL0K9	005	VW-1B	10/03/05	11:00
HL0LA	006	VW-2B	10/03/05	11:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TRC

Client Sample ID: COMBINED SYSTEM

GC/MS Volatiles

Lot-Sample #...:	E5J040180-001	**Work Order #...:**	HL0KW1AC	**Matrix.....:**	V
Date Sampled...:	10/03/05 11:00	**Date Received..:**	10/04/05 09:35	**MS Run #.....:**	
Prep Date.....:	10/04/05	**Analysis Date..:**	10/04/05		
Prep Batch #...:	5278249	**Analysis Time..:**	16:04		
Dilution Factor:	50				
Analyst ID.....:	101605	**Instrument ID..:**	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.10	ppm(v/v)	0.040
tert-Butyl alcohol	ND	0.50	ppm(v/v)	0.10
Diisopropyl ether	ND	0.10	ppm(v/v)	0.020
Tert-amyl methyl ether	ND	0.10	ppm(v/v)	0.020
Tert-butyl ethyl ether	ND	0.10	ppm(v/v)	0.010
Ethylbenzene	**5.4**	**0.10**	**ppm(v/v)**	**0.025**
Methyl tert-butyl ether (MTBE)	**1.0**	**0.10**	**ppm(v/v)**	**0.025**
Toluene	**9.4**	**0.25**	**ppm(v/v)**	**0.025**
Xylenes (total)	**42**	**0.10**	**ppm(v/v)**	**0.050**

TRC

Client Sample ID: COMBINED SYSTEM

GC Volatiles

Lot-Sample #...:	E5J040180-001	Work Order #...:	HL0KW1AA	Matrix.....:	V
Date Sampled...:	10/03/05 11:00	Date Received..:	10/04/05 09:35	MS Run #.....:	
Prep Date.....:	10/04/05	Analysis Date..:	10/04/05		
Prep Batch #...:	5278504	Analysis Time..:	12:35		
Dilution Factor:	20				
Analyst ID.....:	358011	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	170	20	ppm(v/v)	6.0

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-1A

GC/MS Volatiles

Lot-Sample #...: E5J040180-002 Work Order #...: HL0K41AC Matrix.....: V
Date Sampled...: 10/03/05 11:00 Date Received..: 10/04/05 09:35 MS Run #.....:
Prep Date.....: 10/04/05 Analysis Date..: 10/04/05
Prep Batch #...: 5278249 Analysis Time..: 16:36
Dilution Factor: 50
Analyst ID.....: 101605 Instrument ID..: MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.10	ppm(v/v)	0.040
tert-Butyl alcohol	ND	0.50	ppm(v/v)	0.10
Diisopropyl ether	ND	0.10	ppm(v/v)	0.020
Tert-amyl methyl ether	ND	0.10	ppm(v/v)	0.020
Tert-butyl ethyl ether	ND	0.10	ppm(v/v)	0.010
Ethylbenzene	**1.8**	**0.10**	**ppm(v/v)**	**0.025**
Methyl tert-butyl ether (MTBE)	ND	0.10	ppm(v/v)	0.025
Toluene	**1.6**	**0.25**	**ppm(v/v)**	**0.025**
Xylenes (total)	**38**	**0.10**	**ppm(v/v)**	**0.050**

TRC

Client Sample ID: VW-1A

GC Volatiles

Lot-Sample #...:	E5J040180-002	Work Order #...:	HL0K41AA	Matrix.....:	V
Date Sampled...:	10/03/05 11:00	Date Received..:	10/04/05 09:35	MS Run #.....:	
Prep Date.....:	10/04/05	Analysis Date..:	10/04/05		
Prep Batch #...:	5278504	Analysis Time..:	12:56		
Dilution Factor:	20				
Analyst ID.....:	358011	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	200	20	ppm(v/v)	6.0

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-2A

GC/MS Volatiles

Lot-Sample #...:	E5J040180-003	**Work Order #...:**	HL0K61AC	**Matrix.....:**	V
Date Sampled...:	10/03/05 11:00	**Date Received..:**	10/04/05 09:35	**MS Run #.....:**	
Prep Date.....:	10/04/05	**Analysis Date..:**	10/04/05		
Prep Batch #...:	5278249	**Analysis Time..:**	17:40		
Dilution Factor:	50				
Analyst ID.....:	101605	**Instrument ID..:**	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.10	ppm(v/v)	0.040
tert-Butyl alcohol	ND	0.50	ppm(v/v)	0.10
Diisopropyl ether	ND	0.10	ppm(v/v)	0.020
Tert-amyl methyl ether	ND	0.10	ppm(v/v)	0.020
Tert-butyl ethyl ether	ND	0.10	ppm(v/v)	0.010
Ethylbenzene	**6.2**	**0.10**	**ppm(v/v)**	**0.025**
Methyl tert-butyl ether (MTBE)	ND	0.10	ppm(v/v)	0.025
Toluene	**8.6**	**0.25**	**ppm(v/v)**	**0.025**
Xylenes (total)	**41**	**0.10**	**ppm(v/v)**	**0.050**

TRC

Client Sample ID: VW-2A

GC Volatiles

Lot-Sample #...:	E5J040180-003	Work Order #...:	HL0K61AA	Matrix.....:	V
Date Sampled...:	10/03/05 11:00	Date Received..:	10/04/05 09:35	MS Run #.....:	
Prep Date.....:	10/04/05	Analysis Date..:	10/04/05		
Prep Batch #...:	5278504	Analysis Time..:	13:16		
Dilution Factor:	20				
Analyst ID.....:	358011	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	140	20	ppm(v/v)	6.0

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-3B

GC/MS Volatiles

Lot-Sample #...:	E5J040180-004	Work Order #...:	HL0K71AC	Matrix.....:	V
Date Sampled...:	10/03/05 11:00	Date Received..:	10/04/05 09:35	MS Run #.....:	
Prep Date.....:	10/04/05	Analysis Date..:	10/04/05		
Prep Batch #...:	5278249	Analysis Time..:	18:14		
Dilution Factor:	20				
Analyst ID.....:	101605	Instrument ID..:	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.040	ppm(v/v)	0.016
tert-Butyl alcohol	ND	0.20	ppm(v/v)	0.040
Diisopropyl ether	ND	0.040	ppm(v/v)	0.0080
Tert-amyl methyl ether	ND	0.040	ppm(v/v)	0.0080
Tert-butyl ethyl ether	ND	0.040	ppm(v/v)	0.0040
Ethylbenzene	**1.9**	**0.040**	**ppm(v/v)**	**0.010**
Methyl tert-butyl ether (MTBE)	**1.3**	**0.040**	**ppm(v/v)**	**0.010**
Toluene	**1.7**	**0.10**	**ppm(v/v)**	**0.010**
Xylenes (total)	**14**	**0.040**	**ppm(v/v)**	**0.020**

TRC

Client Sample ID: VW-3B

GC Volatiles

Lot-Sample #...:	E5J040180-004	Work Order #...:	HL0K71AA	Matrix.....:	V
Date Sampled...:	10/03/05 11:00	Date Received..:	10/04/05 09:35	MS Run #.....:	
Prep Date.....:	10/04/05	Analysis Date..:	10/04/05		
Prep Batch #...:	5278504	Analysis Time..:	12:12		
Dilution Factor:	8.8				
Analyst ID.....:	358011	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	68	8.8	ppm(v/v)	2.6

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-1B

GC/MS Volatiles

Lot-Sample #...:	E5J040180-005	Work Order #...:	HL0K91AC	Matrix.....:	V
Date Sampled...:	10/03/05 11:00	Date Received..:	10/04/05 09:35	MS Run #.....:	
Prep Date.....:	10/04/05	Analysis Date..:	10/04/05		
Prep Batch #...:	5278249	Analysis Time..:	18:48		
Dilution Factor:	100				
Analyst ID.....:	101605	Instrument ID..:	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.20	ppm(v/v)	0.080
tert-Butyl alcohol	ND	1.0	ppm(v/v)	0.20
Diisopropyl ether	ND	0.20	ppm(v/v)	0.040
Tert-amyl methyl ether	ND	0.20	ppm(v/v)	0.040
Tert-butyl ethyl ether	ND	0.20	ppm(v/v)	0.020
Ethylbenzene	**10**	**0.20**	**ppm(v/v)**	**0.050**
Methyl tert-butyl ether (MTBE)	**1.2**	**0.20**	**ppm(v/v)**	**0.050**
Toluene	**18**	**0.50**	**ppm(v/v)**	**0.050**
Xylenes (total)	**75**	**0.20**	**ppm(v/v)**	**0.10**

TRC

Client Sample ID: VW-1B

GC Volatiles

Lot-Sample #...:	E5J040180-005	Work Order #...:	HL0K91AA	Matrix.....:	V
Date Sampled...:	10/03/05 11:00	Date Received..:	10/04/05 09:35	MS Run #.....:	
Prep Date.....:	10/04/05	Analysis Date..:	10/04/05		
Prep Batch #...:	5278504	Analysis Time..:	13:58		
Dilution Factor:	20				
Analyst ID.....:	358011	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	300	20	ppm(v/v)	6.0

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-2B

GC/MS Volatiles

Lot-Sample #...: E5J040180-006 Work Order #...: HL0LA1AC Matrix.....: V
Date Sampled...: 10/03/05 11:00 Date Received..: 10/04/05 09:35 MS Run #.....:
Prep Date.....: 10/04/05 Analysis Date..: 10/04/05
Prep Batch #...: 5278249 Analysis Time..: 19:24
Dilution Factor: 50
Analyst ID.....: 101605 Instrument ID..: MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.24**	**0.10**	**ppm(v/v)**	**0.040**
tert-Butyl alcohol	ND	0.50	ppm(v/v)	0.10
Diisopropyl ether	ND	0.10	ppm(v/v)	0.020
Tert-amyl methyl ether	ND	0.10	ppm(v/v)	0.020
Tert-butyl ethyl ether	ND	0.10	ppm(v/v)	0.010
Ethylbenzene	**6.4**	**0.10**	**ppm(v/v)**	**0.025**
Methyl tert-butyl ether (MTBE)	**3.1**	**0.10**	**ppm(v/v)**	**0.025**
Toluene	**16**	**0.25**	**ppm(v/v)**	**0.025**
Xylenes (total)	**41**	**0.10**	**ppm(v/v)**	**0.050**

TRC

Client Sample ID: VW-2B

GC Volatiles

Lot-Sample #...:	E5J040180-006	Work Order #...:	HL0LA1AA	Matrix.....:	V
Date Sampled...:	10/03/05 11:00	Date Received..:	10/04/05 09:35	MS Run #.....:	
Prep Date.....:	10/04/05	Analysis Date..:	10/04/05		
Prep Batch #...:	5278504	Analysis Time..:	13:37		
Dilution Factor:	20				
Analyst ID.....:	358011	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	240	20	ppm(v/v)	6.0

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5J040180

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	V	EPA-19 TO-3		5278504	
	V	EPA-21 TO-14A		5278249	
002	V	EPA-19 TO-3		5278504	
	V	EPA-21 TO-14A		5278249	
003	V	EPA-19 TO-3		5278504	
	V	EPA-21 TO-14A		5278249	
004	V	EPA-19 TO-3		5278504	
	V	EPA-21 TO-14A		5278249	
005	V	EPA-19 TO-3		5278504	
	V	EPA-21 TO-14A		5278249	
006	V	EPA-19 TO-3		5278504	
	V	EPA-21 TO-14A		5278249	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5J040180
MB Lot-Sample #: M5J050000-249

Work Order #...: HL2WV1AA

Matrix.....: AIR

Prep Date.....: 10/04/05

Analysis Time..: 11:40

Analysis Date..: 10/04/05

Prep Batch #...: 5278249

Instrument ID..: MSA

Dilution Factor: 1

Analyst ID.....: 101605

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
tert-Butyl alcohol	ND	0.010	ppm(v/v)	EPA-21 TO-14A
Diisopropyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	ND	0.0050	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E5J040180
MB Lot-Sample #: M5J050000-504
Analysis Date..: 10/04/05
Dilution Factor: 1

Work Order #...: HL4VD1AA
Prep Date.....: 10/04/05
Prep Batch #...: 5278504
Analyst ID.....: 358011

Matrix.....: AIR
Analysis Time..: 11:38
Instrument ID..: GC7

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH (as Gasoline)	ND	1.0	ppm(v/v)	EPA-19 TO-3

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5J040180 **Work Order #...:** HL2WV1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J050000-249 HL2WV1AD-LCSD
Prep Date.....: 10/04/05 **Analysis Date..:** 10/04/05
Prep Batch #...: 5278249 **Analysis Time..:** 10:31
Dilution Factor: 1 **Instrument ID..:** MSA
Analyst ID.....: 101605

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Toluene	**96**	**(75 - 125)**			**EPA-21 TO-14A**
	94	**(75 - 125)**	**1.4**	**(0-20)**	**EPA-21 TO-14A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5J040180 **Work Order #...:** HL2WV1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J050000-249 HL2WV1AD-LCSD
Prep Date.....: 10/04/05 **Analysis Date..:** 10/04/05
Prep Batch #...: 5278249 **Analysis Time..:** 10:31
Dilution Factor: 1 **Instrument ID..:** MSA
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Toluene	**0.0495**	**0.0474**	**ppm(v/v)**	**96**		**EPA-21 TO-14A**
	0.0495	**0.0467**	**ppm(v/v)**	**94**	**1.4**	**EPA-21 TO-14A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E5J040180 **Work Order #...:** HL4VD1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J050000-504 HL4VD1AD-LCSD
Prep Date.....: 10/04/05 **Analysis Date..:** 10/04/05
Prep Batch #...: 5278504 **Analysis Time..:** 08:46
Dilution Factor: 1 **Instrument ID..:** GC7
Analyst ID.....: 358011

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**97**	**(75 - 125)**			**EPA-19 TO-3**
	95	**(75 - 125)**	**1.4**	**(0-20)**	**EPA-19 TO-3**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E5J040180 **Work Order #...:** HL4VD1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J050000-504 HL4VD1AD-LCSD
Prep Date.....: 10/04/05 **Analysis Date..:** 10/04/05
Prep Batch #...: 5278504 **Analysis Time..:** 08:46
Dilution Factor: 1 **Instrument ID..:** GC7
Analyst ID.....: 358011

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	**10.7**	**10.3**	**ppm(v/v)**	**97**		**EPA-19 TO-3**
	10.7	**10.2**	**ppm(v/v)**	**95**	**1.4**	**EPA-19 TO-3**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

ADDITIONAL REPORTS FOR LOT E5J040121 SENT TO:

02 Scott Maynard
TRC
21 Technology Drive

Irvine
CA 92718

PHONE: 949 753-0101 FAX: 949 753-0111

03 John Nordenstam
TRC
21 Technology Drive

Irvine
CA 92718

PHONE: 949 753-0101 FAX: 949 753-0111

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

October 11, 2005

STL LOT NUMBER: **E5J040121**
PO/CONTRACT: 4711TRC009

John Nordenstam
TRC
21 Technology Drive
Irvine, CA 92718

Dear John Nordenstam,

This report contains the analytical results for the six samples received under chain of custody by STL Los Angeles on October 3, 2005. These samples are associated with your ConocoPhillips Site #0353 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000028 pages.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,

Beth Riley
Project Manager

cc: Project File

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TRC	Project Manager: John Norrenstam (949) 283-4754 (TRC)	Date: 10-1-05	Chain of Custody Number: 217177
Address: 21 Technology Dr.	Telephone Number (Area Code)/Fax Number: 949-283-5448 Gabe Ferramola	Lab Number: ESJ040121	Page 1 of 1
City: Irvine; State: CA; Zip Code:	Site Contact: Rich Greene (949) 678-5755	Lab Contact: Beth Riley	
Project Name and Location (State): (76) ConocoPhillips II 0353, 2005 S. Central Ave Glendale CA 91204	Carrier/Waybill Number: Workhorse # 4711TRC009		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): XTEDLAR	TPHG EPA Method TO-3	BTEX EPA Method TO-14	OXYGENATES MTBE, DIPE,	TAME, ETBA,	TBA, EPA Methods TO-14	Special Instructions/ Conditions of Receipt
Combined Influent VW-1A, VW-2A, VW-3B, VW-1B, VW-2B	10-1-05	10:45	X										X	X	X	X	X	X	Call John N.
VW-1A	10-1-05	10:45	X										X	X	X	X	X	X	949-283-4754
VW-2A	10-1-05	10:45	X										X	X	X	X	X	X	
VW-3B	10-1-05	10:45	X										X	X	X	X	X	X	
VW-1B	10-1-05	10:45	X										X	X	X	X	X	X	
VW-2B	10-1-05	10:45	X										X	X	X	X	X	X	

200002

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: Normal ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By: Rich Greene	Date: 10-2-05 930	Time:	1. Received By: Gina Padilla	Date: 10/5/05	Time: 1110
2. Relinquished By: Gina Padilla	Date: 10/3/05	Time: 1145	2. Received By: [signature]	Date: 10/3/05	Time: 1145
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. Glendale, CA

ConocoPhillips Site #0353

Lot #: E5J040121

John Nordenstam

TRC

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

October 7, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5J040121

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
COMBINED INFLUENT VW-1A,VW-2A,VW-3B,VW-1B,VW-2B 10/01/05 10:45 001				
TPH (as Gasoline)	210	20	ppm(v/v)	EPA-19 TO-3
Benzene	0.16	0.10	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	5.4	0.10	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	1.2	0.10	ppm(v/v)	EPA-21 TO-14A
Toluene	11	0.25	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	40	0.10	ppm(v/v)	EPA-21 TO-14A
VW-1A 10/01/05 10:45 002				
TPH (as Gasoline)	230	20	ppm(v/v)	EPA-19 TO-3
Ethylbenzene	3.1	0.20	ppm(v/v)	EPA-21 TO-14A
Toluene	4.0	0.50	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	45	0.20	ppm(v/v)	EPA-21 TO-14A
VW-2A 10/01/05 10:45 003				
TPH (as Gasoline)	150	20	ppm(v/v)	EPA-19 TO-3
Ethylbenzene	4.5	0.10	ppm(v/v)	EPA-21 TO-14A
Toluene	7.1	0.25	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	32	0.10	ppm(v/v)	EPA-21 TO-14A
VW-3B 10/01/05 10:45 004				
TPH (as Gasoline)	100	8.8	ppm(v/v)	EPA-19 TO-3
Benzene	0.10	0.067	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	2.8	0.067	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	1.2	0.067	ppm(v/v)	EPA-21 TO-14A
Toluene	3.4	0.17	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	21	0.067	ppm(v/v)	EPA-21 TO-14A
VW-1B 10/01/05 10:45 005				
TPH (as Gasoline)	320	20	ppm(v/v)	EPA-19 TO-3
Benzene	0.28	0.20	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	11	0.20	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	1.4	0.20	ppm(v/v)	EPA-21 TO-14A
Toluene	24	0.50	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	74	0.20	ppm(v/v)	EPA-21 TO-14A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E5J040121

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
VW-2B 10/01/05 10:45 006				
TPH (as Gasoline)	270	20	ppm(v/v)	EPA-19 TO-3
Benzene	0.40	0.20	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	7.5	0.20	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	2.8	0.20	ppm(v/v)	EPA-21 TO-14A
Toluene	19	0.50	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	47	0.20	ppm(v/v)	EPA-21 TO-14A

METHODS SUMMARY

E5J040121

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
TPH by TO-3	EPA-19 TO-3	
Volatile Organics by TO-14A	EPA-21 TO-14A	

References:

EPA-19 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA/600/4-89/017, January 1988

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5J040121

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HLX35	001	COMBINED INFLUENT VW-1A,VW-2A,VW-3B,VW-1B,VW-2B	10/01/05	10:45
HLX36	002	VW-1A	10/01/05	10:45
HLX37	003	VW-2A	10/01/05	10:45
HLX38	004	VW-3B	10/01/05	10:45
HLX39	005	VW-1B	10/01/05	10:45
HLX4C	006	VW-2B	10/01/05	10:45

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TRC

Client Sample ID: COMBINED INFLUENT VW-1A,VW-2A,VW-3B,VW-1B,VW-2B

GC/MS Volatiles

Lot-Sample #...:	E5J040121-001	**Work Order #...:**	HLX351AC	**Matrix.....:**	V
Date Sampled...:	10/01/05 10:45	**Date Received..:**	10/03/05 11:45	**MS Run #.....:**	
Prep Date.....:	10/04/05	**Analysis Date..:**	10/04/05		
Prep Batch #...:	5278249	**Analysis Time..:**	12:46		
Dilution Factor:	50				
Analyst ID.....:	101605	**Instrument ID..:**	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.16**	**0.10**	**ppm(v/v)**	**0.040**
tert-Butyl alcohol	ND	0.50	ppm(v/v)	0.10
Diisopropyl ether	ND	0.10	ppm(v/v)	0.020
Tert-amyl methyl ether	ND	0.10	ppm(v/v)	0.020
Tert-butyl ethyl ether	ND	0.10	ppm(v/v)	0.010
Ethylbenzene	**5.4**	**0.10**	**ppm(v/v)**	**0.025**
Methyl tert-butyl ether (MTBE)	**1.2**	**0.10**	**ppm(v/v)**	**0.025**
Toluene	**11**	**0.25**	**ppm(v/v)**	**0.025**
Xylenes (total)	**40**	**0.10**	**ppm(v/v)**	**0.050**

TRC

Client Sample ID: COMBINED INFLUENT VW-1A,VW-2A,VW-3B,VW-1B,VW-2B

GC Volatiles

Lot-Sample #...:	E5J040121-001	Work Order #...:	HLX351AA	Matrix.....:	V
Date Sampled...:	10/01/05 10:45	Date Received..:	10/03/05 11:45	MS Run #.....:	
Prep Date.....:	10/03/05	Analysis Date..:	10/03/05		
Prep Batch #...:	5278198	Analysis Time..:	15:19		
Dilution Factor:	20				
Analyst ID.....:	402431	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	210	20	ppm(v/v)	6.0

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-1A

GC/MS Volatiles

Lot-Sample #...: E5J040121-002 **Work Order #...:** HLX361AC **Matrix.....:** V
Date Sampled...: 10/01/05 10:45 **Date Received..:** 10/03/05 11:45 **MS Run #.....:**
Prep Date.....: 10/04/05 **Analysis Date..:** 10/04/05
Prep Batch #...: 5278249 **Analysis Time..:** 13:20
Dilution Factor: 100
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.20	ppm(v/v)	0.080
tert-Butyl alcohol	ND	1.0	ppm(v/v)	0.20
Diisopropyl ether	ND	0.20	ppm(v/v)	0.040
Tert-amyl methyl ether	ND	0.20	ppm(v/v)	0.040
Tert-butyl ethyl ether	ND	0.20	ppm(v/v)	0.020
Ethylbenzene	**3.1**	**0.20**	**ppm(v/v)**	**0.050**
Methyl tert-butyl ether (MTBE)	ND	0.20	ppm(v/v)	0.050
Toluene	**4.0**	**0.50**	**ppm(v/v)**	**0.050**
Xylenes (total)	**45**	**0.20**	**ppm(v/v)**	**0.10**

TRC

Client Sample ID: VW-1A

GC Volatiles

Lot-Sample #...:	E5J040121-002	Work Order #...:	HLX361AA	Matrix.....:	V
Date Sampled...:	10/01/05 10:45	Date Received..:	10/03/05 11:45	MS Run #.....:	
Prep Date.....:	10/03/05	Analysis Date..:	10/03/05		
Prep Batch #...:	5278198	Analysis Time..:	13:31		
Dilution Factor:	20				
Analyst ID.....:	402431	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	230	20	ppm(v/v)	6.0

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-2A

GC/MS Volatiles

Lot-Sample #...:	E5J040121-003	**Work Order #...:**	HLX371AC	**Matrix.....:**	V
Date Sampled...:	10/01/05 10:45	**Date Received..:**	10/03/05 11:45	**MS Run #.....:**	
Prep Date.....:	10/04/05	**Analysis Date..:**	10/04/05		
Prep Batch #...:	5278249	**Analysis Time..:**	13:54		
Dilution Factor:	50				
Analyst ID.....:	101605	**Instrument ID..:**	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.10	ppm(v/v)	0.040
tert-Butyl alcohol	ND	0.50	ppm(v/v)	0.10
Diisopropyl ether	ND	0.10	ppm(v/v)	0.020
Tert-amyl methyl ether	ND	0.10	ppm(v/v)	0.020
Tert-butyl ethyl ether	ND	0.10	ppm(v/v)	0.010
Ethylbenzene	**4.5**	**0.10**	**ppm(v/v)**	**0.025**
Methyl tert-butyl ether (MTBE)	ND	0.10	ppm(v/v)	0.025
Toluene	**7.1**	**0.25**	**ppm(v/v)**	**0.025**
Xylenes (total)	**32**	**0.10**	**ppm(v/v)**	**0.050**

TRC

Client Sample ID: VW-2A

GC Volatiles

Lot-Sample #...:	E5J040121-003	Work Order #...:	HLX371AA	Matrix.....:	V
Date Sampled...:	10/01/05 10:45	Date Received..:	10/03/05 11:45	MS Run #.....:	
Prep Date.....:	10/03/05	Analysis Date..:	10/03/05		
Prep Batch #...:	5278198	Analysis Time..:	14:14		
Dilution Factor:	20				
Analyst ID.....:	402431	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	150	20	ppm(v/v)	6.0

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-3B

GC/MS Volatiles

Lot-Sample #...:	E5J040121-004	**Work Order #...:**	HLX381AC	**Matrix.....:**	V
Date Sampled...:	10/01/05 10:45	**Date Received..:**	10/03/05 11:45	**MS Run #.....:**	
Prep Date.....:	10/04/05	**Analysis Date..:**	10/04/05		
Prep Batch #...:	5278249	**Analysis Time..:**	14:28		
Dilution Factor:	33.33				
Analyst ID.....:	101605	**Instrument ID..:**	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.10**	**0.067**	**ppm(v/v)**	**0.027**
tert-Butyl alcohol	ND	0.33	ppm(v/v)	0.067
Diisopropyl ether	ND	0.067	ppm(v/v)	0.013
Tert-amyl methyl ether	ND	0.067	ppm(v/v)	0.013
Tert-butyl ethyl ether	ND	0.067	ppm(v/v)	0.0067
Ethylbenzene	**2.8**	**0.067**	**ppm(v/v)**	**0.017**
Methyl tert-butyl ether (MTBE)	**1.2**	**0.067**	**ppm(v/v)**	**0.017**
Toluene	**3.4**	**0.17**	**ppm(v/v)**	**0.017**
Xylenes (total)	**21**	**0.067**	**ppm(v/v)**	**0.033**

TRC

Client Sample ID: VW-3B

GC Volatiles

Lot-Sample #...:	E5J040121-004	Work Order #...:	HLX381AA	Matrix.....:	V
Date Sampled...:	10/01/05 10:45	Date Received..:	10/03/05 11:45	MS Run #.....:	
Prep Date.....:	10/03/05	Analysis Date..:	10/03/05		
Prep Batch #...:	5278198	Analysis Time..:	14:58		
Dilution Factor:	8.8				
Analyst ID.....:	402431	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	100	8.8	ppm(v/v)	2.6

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-1B

GC/MS Volatiles

Lot-Sample #...:	E5J040121-005	Work Order #...:	HLX391AC	Matrix.....:	V
Date Sampled...:	10/01/05 10:45	Date Received..:	10/03/05 11:45	MS Run #.....:	
Prep Date.....:	10/04/05	Analysis Date..:	10/04/05		
Prep Batch #...:	5278249	Analysis Time..:	15:02		
Dilution Factor:	100				
Analyst ID.....:	101605	Instrument ID..:	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.28**	**0.20**	**ppm(v/v)**	**0.080**
tert-Butyl alcohol	ND	1.0	ppm(v/v)	0.20
Diisopropyl ether	ND	0.20	ppm(v/v)	0.040
Tert-amyl methyl ether	ND	0.20	ppm(v/v)	0.040
Tert-butyl ethyl ether	ND	0.20	ppm(v/v)	0.020
Ethylbenzene	**11**	**0.20**	**ppm(v/v)**	**0.050**
Methyl tert-butyl ether (MTBE)	**1.4**	**0.20**	**ppm(v/v)**	**0.050**
Toluene	**24**	**0.50**	**ppm(v/v)**	**0.050**
Xylenes (total)	**74**	**0.20**	**ppm(v/v)**	**0.10**

TRC

Client Sample ID: VW-1B

GC Volatiles

Lot-Sample #...:	E5J040121-005	Work Order #...:	HLX391AA	Matrix.....:	V
Date Sampled...:	10/01/05 10:45	Date Received..:	10/03/05 11:45	MS Run #.....:	
Prep Date.....:	10/03/05	Analysis Date..:	10/03/05		
Prep Batch #...:	5278198	Analysis Time..:	13:53		
Dilution Factor:	20				
Analyst ID.....:	402431	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	320	20	ppm(v/v)	6.0

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: VW-2B

GC/MS Volatiles

Lot-Sample #...: E5J040121-006 **Work Order #...:** HLX4C1AC **Matrix.....:** V
Date Sampled...: 10/01/05 10:45 **Date Received..:** 10/03/05 11:45 **MS Run #.....:**
Prep Date.....: 10/04/05 **Analysis Date..:** 10/04/05
Prep Batch #...: 5278249 **Analysis Time..:** 15:34
Dilution Factor: 100
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.40**	**0.20**	**ppm(v/v)**	**0.080**
tert-Butyl alcohol	ND	1.0	ppm(v/v)	0.20
Diisopropyl ether	ND	0.20	ppm(v/v)	0.040
Tert-amyl methyl ether	ND	0.20	ppm(v/v)	0.040
Tert-butyl ethyl ether	ND	0.20	ppm(v/v)	0.020
Ethylbenzene	**7.5**	**0.20**	**ppm(v/v)**	**0.050**
Methyl tert-butyl ether (MTBE)	**2.8**	**0.20**	**ppm(v/v)**	**0.050**
Toluene	**19**	**0.50**	**ppm(v/v)**	**0.050**
Xylenes (total)	**47**	**0.20**	**ppm(v/v)**	**0.10**

TRC

Client Sample ID: VW-2B

GC Volatiles

Lot-Sample #...:	E5J040121-006	Work Order #...:	HLX4C1AA	Matrix.....:	V
Date Sampled...:	10/01/05 10:45	Date Received..:	10/03/05 11:45	MS Run #.....:	
Prep Date.....:	10/03/05	Analysis Date..:	10/03/05		
Prep Batch #...:	5278198	Analysis Time..:	14:35		
Dilution Factor:	20				
Analyst ID.....:	402431	Instrument ID..:	GC7		
		Method.....:	EPA-19 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	270	20	ppm(v/v)	6.0

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5J040121

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	V	EPA-19 TO-3		5278198	
	V	EPA-21 TO-14A		5278249	
002	V	EPA-19 TO-3		5278198	
	V	EPA-21 TO-14A		5278249	
003	V	EPA-19 TO-3		5278198	
	V	EPA-21 TO-14A		5278249	
004	V	EPA-19 TO-3		5278198	
	V	EPA-21 TO-14A		5278249	
005	V	EPA-19 TO-3		5278198	
	V	EPA-21 TO-14A		5278249	
006	V	EPA-19 TO-3		5278198	
	V	EPA-21 TO-14A		5278249	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5J040121 **Work Order #...:** HL2WV1AA **Matrix.....:** AIR
MB Lot-Sample #: M5J050000-249

Prep Date.....: 10/04/05 **Analysis Time..:** 11:40
Analysis Date..: 10/04/05 **Prep Batch #...:** 5278249 **Instrument ID..:** MSA
Dilution Factor: 1

Analyst ID.....: 101605

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
tert-Butyl alcohol	ND	0.010	ppm(v/v)	EPA-21 TO-14A
Diisopropyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	ND	0.0050	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E5J040121
MB Lot-Sample #: M5J050000-198
Analysis Date..: 10/03/05
Dilution Factor: 1

Work Order #...: HL2R61AA
Prep Date.....: 10/03/05
Prep Batch #...: 5278198
Analyst ID.....: 402431

Matrix.....: AIR
Analysis Time..: 10:18
Instrument ID..: GC7

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH (as Gasoline)	ND	1.0	ppm(v/v)	EPA-19 TO-3

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5J040121 **Work Order #...:** HL2WV1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J050000-249 HL2WV1AD-LCSD
Prep Date.....: 10/04/05 **Analysis Date..:** 10/04/05
Prep Batch #...: 5278249 **Analysis Time..:** 10:31
Dilution Factor: 1 **Instrument ID..:** MSA
Analyst ID.....: 101605

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Toluene	**96**	**(75 - 125)**			**EPA-21 TO-14A**
	94	**(75 - 125)**	**1.4**	**(0-20)**	**EPA-21 TO-14A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5J040121 **Work Order #...:** HL2WV1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J050000-249 HL2WV1AD-LCSD
Prep Date.....: 10/04/05 **Analysis Date..:** 10/04/05
Prep Batch #...: 5278249 **Analysis Time..:** 10:31
Dilution Factor: 1 **Instrument ID..:** MSA
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Toluene	**0.0495**	**0.0474**	**ppm(v/v)**	**96**		**EPA-21 TO-14A**
	0.0495	**0.0467**	**ppm(v/v)**	**94**	**1.4**	**EPA-21 TO-14A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E5J040121 **Work Order #...:** HL2R61AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J050000-198 HL2R61AD-LCSD
Prep Date.....: 10/03/05 **Analysis Date..:** 10/03/05
Prep Batch #...: 5278198 **Analysis Time..:** 08:22
Dilution Factor: 1 **Instrument ID..:** GC7
Analyst ID.....: 402431

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**95**	**(75 - 125)**			**EPA-19 TO-3**
	94	**(75 - 125)**	**1.9**	**(0-20)**	**EPA-19 TO-3**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E5J040121 **Work Order #...:** HL2R61AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J050000-198 HL2R61AD-LCSD
Prep Date.....: 10/03/05 **Analysis Date..:** 10/03/05
Prep Batch #...: 5278198 **Analysis Time..:** 08:22
Dilution Factor: 1 **Instrument ID..:** GC7
Analyst ID.....: 402431

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	**10.7**	**10.2**	**ppm(v/v)**	**95**		**EPA-19 TO-3**
	10.7	**10.0**	**ppm(v/v)**	**94**	**1.9**	**EPA-19 TO-3**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

October 20, 2005

STL LOT NUMBER: **E5J070410**
PO/CONTRACT: 4711TRC009

John Nordenstam
TRC
21 Technology Drive
Irvine, CA 92718

Dear John Nordenstam,

This report contains the analytical results for the six samples received under chain of custody by STL Los Angeles on October 7, 2005. These samples are associated with your CONOCOPHILLIPS SITE#0353 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000022 pages.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,

Beth Riley
Project Manager

cc: Project File

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TRC	Project Manager: John Nordenstam (949) 283-4754 (TRC)	Date: 10/7/05	Chain of Custody Number: 179863
Address: 21 Technology Dr	Telephone Number (Area Code)/Fax Number: (949) 283-5448 Gabe Fiorenola	Lab Number: E5J070410	Page 1 of 1
City: Irvine; State: Ca; Zip Code:	Site Contact: PAT Loya (949) 283-4865	Lab Contact: Beth Riley	
Project Name and Location (State): (7L) Conoco Phillips II 0353 2005 Central ave Glendale Ca. 91204	Carrier/Waybill Number: Work order # 4711TRL009		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Tedlar	Analysis (Attach list if more space is needed): TPHG EPA Method TO-14	BTEX EPA Method 8260	Oxygenates MTBE, DIPE, TAME, ETBA, TBA, ETBA Methods TO-14	Special Instructions/ Conditions of Receipt
System Combined	10/7/05	11:30AM												X	X	X	X	Call John N.
VW-1A	10/7/05	11:30AM												X	X	X	X	(949) 283-4754
VW-2A	10/7/05	11:30AM												X	X	X	X	
VW-3B	10/7/05	11:30AM												X	X	X	X	
VW-1B	10/7/05	11:30AM												X	X	X	X	
VW-2B	10/7/05	11:30AM												X	X	X	X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: NORMAL ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	10/7/05	11:30AM	1. Received By: SFS office	10/7/05	12:50pm
2. Relinquished By	10-7-05	2:45	2. Received By: Vince Padilla	10/7/05	1445
3. Relinquished By: Vince Padilla	10/7/05	1610	3. Received By: Jerry Swart	10-7-05	1610

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

000002

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. GLENDALE, CA

CONOCOPHILLIPS SITE#0353

Lot #: E5J070410

John Nordenstam

TRC

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

October 17, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5J070410

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SYSTEM COMBINED 10/07/05 11:30 001				
Ethylbenzene	2.7	0.10	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	0.73	0.10	ppm(v/v)	EPA-21 TO-14A
Toluene	4.8	0.25	ppm(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	76	25	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	22	0.10	ppm(v/v)	EPA-21 TO-14A
VW-1A 10/07/05 11:30 002				
Ethylbenzene	0.62	0.10	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	0.11	0.10	ppm(v/v)	EPA-21 TO-14A
Toluene	0.65	0.25	ppm(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	48	25	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	13	0.10	ppm(v/v)	EPA-21 TO-14A
VW-2A 10/07/05 11:30 003				
Ethylbenzene	1.9	0.10	ppm(v/v)	EPA-21 TO-14A
Toluene	2.4	0.25	ppm(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	44	25	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	14	0.10	ppm(v/v)	EPA-21 TO-14A
VW-3B 10/07/05 11:30 004				
Benzene	0.032	0.020	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	0.80	0.020	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	0.33	0.020	ppm(v/v)	EPA-21 TO-14A
Toluene	1.3	0.050	ppm(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	32	5.0	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	5.9	0.020	ppm(v/v)	EPA-21 TO-14A
VW-1B 10/07/05 11:30 005				
Ethylbenzene	2.0	0.10	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	0.26	0.10	ppm(v/v)	EPA-21 TO-14A
Toluene	3.7	0.25	ppm(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	61	25	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	16	0.10	ppm(v/v)	EPA-21 TO-14A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E5J070410

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
VW-2B 10/07/05 11:30 006				
Ethylbenzene	1.1	0.10	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	0.64	0.10	ppm(v/v)	EPA-21 TO-14A
Toluene	2.9	0.25	ppm(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	34	25	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	7.5	0.10	ppm(v/v)	EPA-21 TO-14A

METHODS SUMMARY

E5J070410

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Volatile Organics by TO-14A	EPA-21 TO-14A	

References:

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5J070410

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HMAQL	001	SYSTEM COMBINED	10/07/05	11:30
HMAQM	002	VW-1A	10/07/05	11:30
HMAQN	003	VW-2A	10/07/05	11:30
HMAQP	004	VW-3B	10/07/05	11:30
HMAQR	005	VW-1B	10/07/05	11:30
HMAQT	006	VW-2B	10/07/05	11:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TRC

Client Sample ID: SYSTEM COMBINED

GC/MS Volatiles

Lot-Sample #...:	E5J070410-001	**Work Order #...:**	HMAQL1AA	**Matrix.....:**	V
Date Sampled...:	10/07/05 11:30	**Date Received..:**	10/07/05 16:10	**MS Run #.....:**	
Prep Date.....:	10/08/05	**Analysis Date..:**	10/08/05		
Prep Batch #...:	5290188	**Analysis Time..:**	05:17		
Dilution Factor:	50				
Analyst ID.....:	117751	**Instrument ID..:**	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.10	ppm(v/v)	0.040
tert-Butyl alcohol	ND	0.50	ppm(v/v)	0.10
1,2-Dibromoethane (EDB)	ND	0.10	ppm(v/v)	0.025
1,2-Dichloroethane	ND	0.10	ppm(v/v)	0.040
Diisopropyl ether	ND	0.10	ppm(v/v)	0.020
Tert-amyl methyl ether	ND	0.10	ppm(v/v)	0.020
Tert-butyl ethyl ether	ND	0.10	ppm(v/v)	0.010
Ethylbenzene	**2.7**	**0.10**	**ppm(v/v)**	**0.025**
Methyl tert-butyl ether (MTBE)	**0.73**	**0.10**	**ppm(v/v)**	**0.025**
Toluene	**4.8**	**0.25**	**ppm(v/v)**	**0.025**
TPH (as Gasoline)	**76**	**25**	**ppm(v/v)**	**5.0**
Xylenes (total)	**22**	**0.10**	**ppm(v/v)**	**0.050**

TRC

Client Sample ID: VW-1A

GC/MS Volatiles

Lot-Sample #...:	E5J070410-002	Work Order #...:	HMAQM1AA	Matrix.....:	V
Date Sampled...:	10/07/05 11:30	Date Received..:	10/07/05 16:10	MS Run #.....:	
Prep Date.....:	10/08/05	Analysis Date..:	10/08/05		
Prep Batch #...:	5290188	Analysis Time..:	05:50		
Dilution Factor:	50				
Analyst ID.....:	117751	Instrument ID..:	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.10	ppm(v/v)	0.040
tert-Butyl alcohol	ND	0.50	ppm(v/v)	0.10
1,2-Dibromoethane (EDB)	ND	0.10	ppm(v/v)	0.025
1,2-Dichloroethane	ND	0.10	ppm(v/v)	0.040
Diisopropyl ether	ND	0.10	ppm(v/v)	0.020
Tert-amyl methyl ether	ND	0.10	ppm(v/v)	0.020
Tert-butyl ethyl ether	ND	0.10	ppm(v/v)	0.010
Ethylbenzene	**0.62**	**0.10**	**ppm(v/v)**	**0.025**
Methyl tert-butyl ether (MTBE)	**0.11**	**0.10**	**ppm(v/v)**	**0.025**
Toluene	**0.65**	**0.25**	**ppm(v/v)**	**0.025**
TPH (as Gasoline)	**48**	**25**	**ppm(v/v)**	**0.10**
Xylenes (total)	**13**	**0.10**	**ppm(v/v)**	**0.050**

TRC

Client Sample ID: VW-2A

GC/MS Volatiles

Lot-Sample #...:	E5J070410-003	**Work Order #...:**	HMAQN1AA	**Matrix.....:**	V
Date Sampled...:	10/07/05 11:30	**Date Received..:**	10/07/05 16:10	**MS Run #.....:**	
Prep Date.....:	10/08/05	**Analysis Date..:**	10/08/05		
Prep Batch #...:	5290188	**Analysis Time..:**	06:27		
Dilution Factor:	50				
Analyst ID.....:	117751	**Instrument ID..:**	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.10	ppm(v/v)	0.040
tert-Butyl alcohol	ND	0.50	ppm(v/v)	0.10
1,2-Dibromoethane (EDB)	ND	0.10	ppm(v/v)	0.025
1,2-Dichloroethane	ND	0.10	ppm(v/v)	0.040
Diisopropyl ether	ND	0.10	ppm(v/v)	0.020
Tert-amyl methyl ether	ND	0.10	ppm(v/v)	0.020
Tert-butyl ethyl ether	ND	0.10	ppm(v/v)	0.010
Ethylbenzene	**1.9**	**0.10**	**ppm(v/v)**	**0.025**
Methyl tert-butyl ether (MTBE)	ND	0.10	ppm(v/v)	0.025
Toluene	**2.4**	**0.25**	**ppm(v/v)**	**0.025**
TPH (as Gasoline)	**44**	**25**	**ppm(v/v)**	**0.10**
Xylenes (total)	**14**	**0.10**	**ppm(v/v)**	**0.050**

TRC

Client Sample ID: VW-3B

GC/MS Volatiles

Lot-Sample #...:	E5J070410-004	Work Order #...:	HMAQP1AA	Matrix.....:	V
Date Sampled...:	10/07/05 11:30	Date Received..:	10/07/05 16:10	MS Run #.....:	
Prep Date.....:	10/10/05	Analysis Date..:	10/10/05		
Prep Batch #...:	5290190	Analysis Time..:	17:41		
Dilution Factor:	10				
Analyst ID.....:	117751	Instrument ID..:	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.032**	**0.020**	**ppm(v/v)**	**0.0080**
tert-Butyl alcohol	ND	0.10	ppm(v/v)	0.020
1,2-Dibromoethane (EDB)	ND	0.020	ppm(v/v)	0.0050
1,2-Dichloroethane	ND	0.020	ppm(v/v)	0.0080
Diisopropyl ether	ND	0.020	ppm(v/v)	0.0040
Tert-amyl methyl ether	ND	0.020	ppm(v/v)	0.0040
Tert-butyl ethyl ether	ND	0.020	ppm(v/v)	0.0020
Ethylbenzene	**0.80**	**0.020**	**ppm(v/v)**	**0.0050**
Methyl tert-butyl ether (MTBE)	**0.33**	**0.020**	**ppm(v/v)**	**0.0050**
Toluene	**1.3**	**0.050**	**ppm(v/v)**	**0.0050**
TPH (as Gasoline)	**32**	**5.0**	**ppm(v/v)**	**1.0**
Xylenes (total)	**5.9**	**0.020**	**ppm(v/v)**	**0.010**

TRC

Client Sample ID: VW-1B

GC/MS Volatiles

Lot-Sample #...:	E5J070410-005	**Work Order #...:**	HMAQR1AA	**Matrix.....:**	V
Date Sampled...:	10/07/05 11:30	**Date Received..:**	10/07/05 16:10	**MS Run #.....:**	
Prep Date.....:	10/08/05	**Analysis Date..:**	10/08/05		
Prep Batch #...:	5290188	**Analysis Time..:**	07:33		
Dilution Factor:	50				
Analyst ID.....:	117751	**Instrument ID..:**	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.10	ppm(v/v)	0.040
tert-Butyl alcohol	ND	0.50	ppm(v/v)	0.10
1,2-Dibromoethane (EDB)	ND	0.10	ppm(v/v)	0.025
1,2-Dichloroethane	ND	0.10	ppm(v/v)	0.040
Diisopropyl ether	ND	0.10	ppm(v/v)	0.020
Tert-amyl methyl ether	ND	0.10	ppm(v/v)	0.020
Tert-butyl ethyl ether	ND	0.10	ppm(v/v)	0.010
Ethylbenzene	**2.0**	**0.10**	**ppm(v/v)**	**0.025**
Methyl tert-butyl ether (MTBE)	**0.26**	**0.10**	**ppm(v/v)**	**0.025**
Toluene	**3.7**	**0.25**	**ppm(v/v)**	**0.025**
TPH (as Gasoline)	**61**	**25**	**ppm(v/v)**	**0.10**
Xylenes (total)	**16**	**0.10**	**ppm(v/v)**	**0.050**

TRC

Client Sample ID: VW-2B

GC/MS Volatiles

Lot-Sample #...:	E5J070410-006	**Work Order #...:**	HMAQT1AA	**Matrix.....:**	V
Date Sampled...:	10/07/05 11:30	**Date Received..:**	10/07/05 16:10	**MS Run #.....:**	
Prep Date.....:	10/08/05	**Analysis Date..:**	10/08/05		
Prep Batch #...:	5290188	**Analysis Time..:**	08:08		
Dilution Factor:	50				
Analyst ID.....:	117751	**Instrument ID..:**	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.10	ppm(v/v)	0.040
tert-Butyl alcohol	ND	0.50	ppm(v/v)	0.10
1,2-Dibromoethane (EDB)	ND	0.10	ppm(v/v)	0.025
1,2-Dichloroethane	ND	0.10	ppm(v/v)	0.040
Diisopropyl ether	ND	0.10	ppm(v/v)	0.020
Tert-amyl methyl ether	ND	0.10	ppm(v/v)	0.020
Tert-butyl ethyl ether	ND	0.10	ppm(v/v)	0.010
Ethylbenzene	**1.1**	**0.10**	**ppm(v/v)**	**0.025**
Methyl tert-butyl ether (MTBE)	**0.64**	**0.10**	**ppm(v/v)**	**0.025**
Toluene	**2.9**	**0.25**	**ppm(v/v)**	**0.025**
TPH (as Gasoline)	**34**	**25**	**ppm(v/v)**	**0.10**
Xylenes (total)	**7.5**	**0.10**	**ppm(v/v)**	**0.050**

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5J070410

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	V	EPA-21 TO-14A		5290188	
002	V	EPA-21 TO-14A		5290188	
003	V	EPA-21 TO-14A		5290188	
004	V	EPA-21 TO-14A		5290190	
005	V	EPA-21 TO-14A		5290188	
006	V	EPA-21 TO-14A		5290188	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5J070410 **Work Order #...:** HMV7F1AA **Matrix.....:** AIR
MB Lot-Sample #: M5J170000-188

Prep Date.....: 10/07/05 **Analysis Time..:** 03:04
Analysis Date..: 10/08/05 **Prep Batch #...:** 5290188 **Instrument ID..:** MSA
Dilution Factor: 1

Analyst ID.....: 117751

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
tert-Butyl alcohol	ND	0.010	ppm(v/v)	EPA-21 TO-14A
1,2-Dibromoethane (EDB)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,2-Dichloroethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Diisopropyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	ND	0.0050	ppm(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	0.50	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5J070410 **Work Order #...:** HMV7A1AA **Matrix.....:** AIR
MB Lot-Sample #: M5J170000-190

Prep Date.....: 10/10/05 **Analysis Time..:** 16:14
Analysis Date..: 10/10/05 **Prep Batch #...:** 5290190 **Instrument ID..:** MSA
Dilution Factor: 1

Analyst ID.....: 117751

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
tert-Butyl alcohol	ND	0.010	ppm(v/v)	EPA-21 TO-14A
1,2-Dibromoethane (EDB)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,2-Dichloroethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Diisopropyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	ND	0.0050	ppm(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	0.50	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5J070410 Work Order #...: HMV7F1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5J170000-188 HMV7F1AD-LCSD
Prep Date.....: 10/07/05 Analysis Date..: 10/08/05
Prep Batch #...: 5290188 Analysis Time..: 01:52
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 117751

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Toluene	99	(75 - 125)			EPA-21 TO-14A
	99	(75 - 125)	0.59	(0-20)	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5J070410 **Work Order #...:** HMV7F1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J170000-188 HMV7F1AD-LCSD
Prep Date.....: 10/07/05 **Analysis Date..:** 10/08/05
Prep Batch #...: 5290188 **Analysis Time..:** 01:52
Dilution Factor: 1 **Instrument ID..:** MSA
Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Toluene	**0.0495**	**0.0489**	**ppm(v/v)**	**99**		**EPA-21 TO-14A**
	0.0495	**0.0492**	**ppm(v/v)**	**99**	**0.59**	**EPA-21 TO-14A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E5J070410	**Work Order #...:**	HMV7A1AC-LCS	**Matrix.....:**	AIR
LCS Lot-Sample#:	M5J170000-190		HMV7A1AD-LCSD		
Prep Date.....:	10/10/05	**Analysis Date..:**	10/10/05		
Prep Batch #...:	5290190	**Analysis Time..:**	12:20		
Dilution Factor:	1	**Instrument ID..:**	MSA		
Analyst ID.....:	117751				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Toluene	**98**	**(75 - 125)**			**EPA-21 TO-14A**
	97	**(75 - 125)**	**0.68**	**(0-20)**	**EPA-21 TO-14A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5J070410 Work Order #...: HMV7A1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5J170000-190 HMV7A1AD-LCSD
Prep Date.....: 10/10/05 Analysis Date..: 10/10/05
Prep Batch #...: 5290190 Analysis Time..: 12:20
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Toluene	**0.0495**	**0.0486**	**ppm(v/v)**	**98**		**EPA-21 TO-14A**
	0.0495	**0.0482**	**ppm(v/v)**	**97**	**0.68**	**EPA-21 TO-14A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

October 25, 2005

STL LOT NUMBER: **E5J190379**
PO/CONTRACT: 4711TRC005

John Nordenstam
TRC
21 Technology Drive
Irvine, CA 92718

Dear John Nordenstam,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on October 18, 2005. These samples are associated with your CONOCOPHILLIPS SITE #0353 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000015 pages.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,

Beth Riley
Project Manager

cc: Project File

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TRC	Project Manager: John Nordenstan (949) 283-4754 (TRC)	Date: 10/18/05	Chain of Custody Number: 217178
Address: 21 Technology Dr.	Telephone Number (Area Code)/Fax Number: 949-283-5448 Gabe Farramolk	Lab Number: ESD190379	Page 1 of 1
City: Irvine; State: Ca; Zip Code:	Site Contact: PAT Wyn (949) 283-4865	Lab Contact: Beth Riley	
Project Name and Location (State): (76) Conoco Phillips II 0353, Glendale Ca. 2005 invoice	Carrier/Waybill Number: work order # 471TRC009		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TEDLAR	TPH by EPA method TO-14	BTEX EPA method TO-14	Oxygenates MTBE, DIPE	TAME, ETBA TBA EPA method TO-14	Special Instructions/ Conditions of Receipt
VW-1A	10/18/05	11:00 am											X	X	X	X	X	Call John N.
VW-2A	10/18/05	11:00 am											X	X	X	X	X	(949) 283-4754
VW-3B	10/18/05	11:00 Am											X	X	X	X	X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: Normal ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	10/18/05	12:00 pm	1. Received By: SFS office	10/18/05	12:00 pm
2. Relinquished By	10/18/05	1446	2. Received By: Vince Padilla	10/18/05	1446
3. Relinquished By: Vince Padilla	10/18/05	1640	3. Received By: [illegible]	10-18-05	1640

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. GLENDALE, CA

CONOCOPHILLIPS SITE#0353

Lot #: E5J190379

John Nordenstam

TRC

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

October 25, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5J190379

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
VW-1A 10/18/05 11:00 001				
Ethylbenzene	0.44	0.050	ppm(v/v)	EPA-21 TO-14A
Toluene	0.34	0.12	ppm(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	34	12	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	11	0.050	ppm(v/v)	EPA-21 TO-14A
VW-2A 10/18/05 11:00 002				
Ethylbenzene	1.6	0.050	ppm(v/v)	EPA-21 TO-14A
Toluene	1.7	0.12	ppm(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	29	12	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	11	0.050	ppm(v/v)	EPA-21 TO-14A
VW-3B 10/18/05 11:00 003				
Ethylbenzene	0.30	0.020	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	0.58	0.020	ppm(v/v)	EPA-21 TO-14A
Toluene	0.43	0.050	ppm(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	15	5.0	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	2.7	0.020	ppm(v/v)	EPA-21 TO-14A

METHODS SUMMARY

E5J190379

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Volatile Organics by TO-14A	EPA-21 TO-14A	

References:

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5J190379

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HM46D	001	VW-1A	10/18/05	11:00
HM46H	002	VW-2A	10/18/05	11:00
HM46L	003	VW-3B	10/18/05	11:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TRC

Client Sample ID: VW-1A

GC/MS Volatiles

Lot-Sample #...: E5J190379-001 **Work Order #...:** HM46D1AA **Matrix.....:** V
Date Sampled...: 10/18/05 11:00 **Date Received..:** 10/18/05 16:40 **MS Run #.....:**
Prep Date.....: 10/20/05 **Analysis Date..:** 10/20/05
Prep Batch #...: 5297589 **Analysis Time..:** 12:45
Dilution Factor: 25
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.050	ppm(v/v)	0.020
tert-Butyl alcohol	ND	0.25	ppm(v/v)	0.050
1,2-Dibromoethane (EDB)	ND	0.050	ppm(v/v)	0.012
1,2-Dichloroethane	ND	0.050	ppm(v/v)	0.020
Diisopropyl ether	ND	0.050	ppm(v/v)	0.010
Tert-amyl methyl ether	ND	0.050	ppm(v/v)	0.010
Tert-butyl ethyl ether	ND	0.050	ppm(v/v)	0.0050
Ethylbenzene	**0.44**	**0.050**	**ppm(v/v)**	**0.012**
Methyl tert-butyl ether (MTBE)	ND	0.050	ppm(v/v)	0.012
Toluene	**0.34**	**0.12**	**ppm(v/v)**	**0.012**
TPH (as Gasoline)	**34**	**12**	**ppm(v/v)**	**2.5**
Xylenes (total)	**11**	**0.050**	**ppm(v/v)**	**0.025**

TRC

Client Sample ID: VW-2A

GC/MS Volatiles

Lot-Sample #...: E5J190379-002 **Work Order #...:** HM46H1AA **Matrix.....:** V
Date Sampled...: 10/18/05 11:00 **Date Received..:** 10/18/05 16:40 **MS Run #.....:**
Prep Date.....: 10/20/05 **Analysis Date..:** 10/20/05
Prep Batch #...: 5297589 **Analysis Time..:** 13:16
Dilution Factor: 25
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.050	ppm(v/v)	0.020
tert-Butyl alcohol	ND	0.25	ppm(v/v)	0.050
1,2-Dibromoethane (EDB)	ND	0.050	ppm(v/v)	0.012
1,2-Dichloroethane	ND	0.050	ppm(v/v)	0.020
Diisopropyl ether	ND	0.050	ppm(v/v)	0.010
Tert-amyl methyl ether	ND	0.050	ppm(v/v)	0.010
Tert-butyl ethyl ether	ND	0.050	ppm(v/v)	0.0050
Ethylbenzene	**1.6**	**0.050**	**ppm(v/v)**	**0.012**
Methyl tert-butyl ether (MTBE)	ND	0.050	ppm(v/v)	0.012
Toluene	**1.7**	**0.12**	**ppm(v/v)**	**0.012**
TPH (as Gasoline)	**29**	**12**	**ppm(v/v)**	**2.5**
Xylenes (total)	**11**	**0.050**	**ppm(v/v)**	**0.025**

TRC

Client Sample ID: VW-3B

GC/MS Volatiles

Lot-Sample #...:	E5J190379-003	**Work Order #...:**	HM46L1AA	**Matrix.....:**	V
Date Sampled...:	10/18/05 11:00	**Date Received..:**	10/18/05 16:40	**MS Run #.....:**	
Prep Date.....:	10/20/05	**Analysis Date..:**	10/20/05		
Prep Batch #...:	5297589	**Analysis Time..:**	13:47		
Dilution Factor:	10				
Analyst ID.....:	101605	**Instrument ID..:**	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.020	ppm(v/v)	0.0080
tert-Butyl alcohol	ND	0.10	ppm(v/v)	0.020
1,2-Dibromoethane (EDB)	ND	0.020	ppm(v/v)	0.0050
1,2-Dichloroethane	ND	0.020	ppm(v/v)	0.0080
Diisopropyl ether	ND	0.020	ppm(v/v)	0.0040
Tert-amyl methyl ether	ND	0.020	ppm(v/v)	0.0040
Tert-butyl ethyl ether	ND	0.020	ppm(v/v)	0.0020
Ethylbenzene	**0.30**	**0.020**	**ppm(v/v)**	**0.0050**
Methyl tert-butyl ether (MTBE)	**0.58**	**0.020**	**ppm(v/v)**	**0.0050**
Toluene	**0.43**	**0.050**	**ppm(v/v)**	**0.0050**
TPH (as Gasoline)	**15**	**5.0**	**ppm(v/v)**	**1.0**
Xylenes (total)	**2.7**	**0.020**	**ppm(v/v)**	**0.010**

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5J190379

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	V	EPA-21 TO-14A		5297589	
002	V	EPA-21 TO-14A		5297589	
003	V	EPA-21 TO-14A		5297589	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5J190379
MB Lot-Sample #: M5J240000-589

Work Order #...: HNHAK1AA

Matrix.....: AIR

Prep Date.....: 10/20/05

Analysis Time..: 11:43

Analysis Date..: 10/20/05

Prep Batch #...: 5297589

Instrument ID..: MSA

Dilution Factor: 1

Analyst ID.....: 101605

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
tert-Butyl alcohol	ND	0.010	ppm(v/v)	EPA-21 TO-14A
1,2-Dibromoethane (EDB)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,2-Dichloroethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Diisopropyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	ND	0.0050	ppm(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	0.50	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5J190379 **Work Order #...:** HNHAK1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J240000-589 HNHAK1AD-LCSD
Prep Date.....: 10/20/05 **Analysis Date..:** 10/20/05
Prep Batch #...: 5297589 **Analysis Time..:** 10:39
Dilution Factor: 1 **Instrument ID..:** MSA
Analyst ID.....: 101605

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Toluene	**93**	**(75 - 125)**			**EPA-21 TO-14A**
	91	**(75 - 125)**	**2.3**	**(0-20)**	**EPA-21 TO-14A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5J190379 **Work Order #...:** HNHAK1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J240000-589 HNHAK1AD-LCSD
Prep Date.....: 10/20/05 **Analysis Date..:** 10/20/05
Prep Batch #...: 5297589 **Analysis Time..:** 10:39
Dilution Factor: 1 **Instrument ID..:** MSA
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Toluene	**0.0500**	**0.0467**	**ppm(v/v)**	**93**		**EPA-21 TO-14A**
	0.0500	**0.0457**	**ppm(v/v)**	**91**	**2.3**	**EPA-21 TO-14A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

October 31, 2005

STL LOT NUMBER: **E5J280366**
PO/CONTRACT: 4711TRC009

John Nordenstam
TRC
21 Technology Drive
Irvine, CA 92718

Dear John Nordenstam,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on October 28, 2005. These samples are associated with your CONOCOPHILLIPS SITE #0353 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000018 pages.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,

Beth Riley
Project Manager

cc: Project File

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TRC	Project Manager: John Nordenstan (TRC) (949) 283-4754	Date: 10/28/05	Chain of Custody Number: 217141
Address: 21 Technology Dr.	Telephone Number (Area Code)/Fax Number: (949) 283-5448 Gabe Ferromola	Lab Number: ESI 280366	Page 1 of 1
City: Irvine; State: Ca.; Zip Code:	Site Contact: Pat Loya (949) 283-4865	Lab Contact: Beth Riley	
Project Name and Location (State): (76) Conoco Phillips, #0353 Glendale Ca. 91204	Carrier/Waybill Number: work order # 471TRC009		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Tedlar	TPHG EPA METHOD TO-14	BTEX EPA METHOD TO-14	Oxygenates in TBE, DIPE, TAME, EtOH, EtBA, TBA EPA METHOD TO-14	Special Instructions/ Conditions of Receipt
VW-1B	10/27/05	10:00Am											X	X	X		Call John N.
VW-2B	10/27/05	10:00Am											X	X	X		(949) 283-4754
VW-3B	10/27/05	10:00Am											X	X	X		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☒ NORMAL ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	10/28/05	10:00Am	1. Received By: SFS OFFICE	10/28/05	10:00 Am
2. Relinquished By	10/28/05	1430	2. Received By: Vince Padilla	10/28/05	14:30
3. Relinquished By: Vince Padilla	10/28/05	1515	3. Received By: [illegible]	102805	1515

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

SEVERN TRENT STL

Analytical Report