SEVERN TRENT STL Leaders in Environmental Testing

Certificate of Analysis

STL Austin • 14050 Summit Drive, Suite A100, Austin, TX 78728 • Tel 512 244 0855 • Fax 512 244 0160 • *www.stl-inc.com*

ANALYTICAL REPORT

Trace Analysis

Lot #: I6K210159

Nell Green

Trace Analysis
6701 Aberdeen Ave., Ste 9
Lubbock, TX 79424

SEVERN TRENT LABORATORIES, INC.

Neal J. Salcher
Project Manager

November 30, 2006

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: **I6K210159**

This report contains the analytical results for the **11** samples received under chain of custody by Severn Trent Laboratories (STL) on November 21, 2006. These samples are associated with your **Trace** Analysis project.

All samples were received in good condition and within temperature requirements.

All applicable quality control procedures met method-specified acceptance criteria except where noted in the case narrative or flagged on the result pages.

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

If you have any questions, please feel free to call me at (512) 310-5215.

Affected Samples:
I6K210159 (11):

Affected Methods:
8015B

Details:
Surrogate n-butanol was recovered low in closing CCV. Surrogate was recovered within limits in all samples and QC.

EXECUTIVE SUMMARY - Detection Highlights

I6K210159

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NO DETECTABLE PARAMETERS				

ANALYTICAL METHODS SUMMARY

I6K210159

PARAMETER	ANALYTICAL METHOD
Nonhalogenated Organics Using GC/FID	SW846 8015B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

I6K210159

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JJ5X4	001	109400	11/15/06	
JJ5X7	002	109401	11/15/06	
JJ5X9	003	109402	11/15/06	
JJ50C	004	109403	11/15/06	
JJ50E	005	109404	11/15/06	
JJ50G	006	109405	11/15/06	
JJ50J	007	109406	11/15/06	
JJ50L	008	109407	11/15/06	
JJ50M	009	109408	11/15/06	
JJ50N	010	109409	11/15/06	
JJ50P	011	109396	11/15/06	

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.

QC DATA ASSOCIATION SUMMARY

I6K210159

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8015B		6332290	6332163
002	SO	SW846 8015B		6332290	6332163
003	SO	SW846 8015B		6332290	6332163
004	SO	SW846 8015B		6332290	6332163
005	SO	SW846 8015B		6332290	6332163
006	SO	SW846 8015B		6332290	6332163
007	SO	SW846 8015B		6332290	6332163
008	SO	SW846 8015B		6332290	6332163
009	SO	SW846 8015B		6332290	6332163
010	SO	SW846 8015B		6332290	6332163
011	WG	SW846 8015B		6333298	6333180

Trace Analysis Inc

Client Sample ID: 109400

GC Semivolatiles

Lot-Sample #...:	I6K210159-001	Work Order #...:	JJ5X41AA	Matrix.....:	SO
Date Sampled...:	11/15/06	Date Received..:	11/21/06	MS Run #.....:	6332163
Prep Date.....:	11/28/06	Analysis Date..:	11/28/06		
Prep Batch #...:	6332290	Analysis Time..:	21:27		
Dilution Factor:	1				
% Moisture.....:		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethylene glycol	ND	25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	85	(50 - 142)

Trace Analysis Inc

Client Sample ID: 109401

GC Semivolatiles

Lot-Sample #...:	I6K210159-002	Work Order #...:	JJ5X71AA	Matrix.....:	SO
Date Sampled...:	11/15/06	Date Received..:	11/21/06	MS Run #.....:	6332163
Prep Date.....:	11/28/06	Analysis Date..:	11/28/06		
Prep Batch #...:	6332290	Analysis Time..:	21:57		
Dilution Factor:	1				
% Moisture.....:		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethylene glycol	ND	25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	97	(50 - 142)

Trace Analysis Inc

Client Sample ID: 109402

GC Semivolatiles

Lot-Sample #...:	I6K210159-003	Work Order #...:	JJ5X91AA	Matrix.....:	SO
Date Sampled...:	11/15/06	Date Received..:	11/21/06	MS Run #.....:	6332163
Prep Date.....:	11/28/06	Analysis Date..:	11/28/06		
Prep Batch #...:	6332290	Analysis Time..:	22:26		
Dilution Factor:	1				
% Moisture.....:		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethylene glycol	ND	25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	96	(50 - 142)

Trace Analysis Inc

Client Sample ID: 109403

GC Semivolatiles

Lot-Sample #...:	I6K210159-004	Work Order #...:	JJ50C1AA	Matrix.....:	SO
Date Sampled...:	11/15/06	Date Received..:	11/21/06	MS Run #.....:	6332163
Prep Date.....:	11/28/06	Analysis Date..:	11/28/06		
Prep Batch #...:	6332290	Analysis Time..:	22:55		
Dilution Factor:	1				
% Moisture.....:		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethylene glycol	ND	25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	84	(50 - 142)

Trace Analysis Inc

Client Sample ID: 109404

GC Semivolatiles

Lot-Sample #...:	I6K210159-005	Work Order #...:	JJ50E1AA	Matrix.....:	SO
Date Sampled...:	11/15/06	Date Received..:	11/21/06	MS Run #.....:	6332163
Prep Date.....:	11/28/06	Analysis Date..:	11/28/06		
Prep Batch #...:	6332290	Analysis Time..:	23:24		
Dilution Factor:	1				
% Moisture.....:		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethylene glycol	ND	25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	90	(50 - 142)

Trace Analysis Inc

Client Sample ID: 109405

GC Semivolatiles

Lot-Sample #...:	I6K210159-006	Work Order #...:	JJ50G1AA	Matrix.....:	SO
Date Sampled...:	11/15/06	Date Received..:	11/21/06	MS Run #.....:	6332163
Prep Date.....:	11/28/06	Analysis Date..:	11/28/06		
Prep Batch #...:	6332290	Analysis Time..:	23:53		
Dilution Factor:	1				
% Moisture.....:		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethylene glycol	ND	25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	85	(50 - 142)

Trace Analysis Inc

Client Sample ID: 109406

GC Semivolatiles

Lot-Sample #...:	I6K210159-007	Work Order #...:	JJ50J1AA	Matrix.....:	SO
Date Sampled...:	11/15/06	Date Received..:	11/21/06	MS Run #.....:	6332163
Prep Date.....:	11/28/06	Analysis Date..:	11/29/06		
Prep Batch #...:	6332290	Analysis Time..:	00:22		
Dilution Factor:	1				
% Moisture.....:		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethylene glycol	ND	25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	99	(50 - 142)

Trace Analysis Inc

Client Sample ID: 109407

GC Semivolatiles

Lot-Sample #...:	I6K210159-008	Work Order #...:	JJ50L1AA	Matrix.....:	SO
Date Sampled...:	11/15/06	Date Received..:	11/21/06	MS Run #.....:	6332163
Prep Date.....:	11/28/06	Analysis Date..:	11/29/06		
Prep Batch #...:	6332290	Analysis Time..:	00:51		
Dilution Factor:	1				
% Moisture.....:		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethylene glycol	ND	25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	96	(50 - 142)

Trace Analysis Inc

Client Sample ID: 109408

GC Semivolatiles

Lot-Sample #...:	I6K210159-009	Work Order #...:	JJ50M1AA	Matrix.....:	SO
Date Sampled...:	11/15/06	Date Received..:	11/21/06	MS Run #.....:	6332163
Prep Date.....:	11/28/06	Analysis Date..:	11/29/06		
Prep Batch #...:	6332290	Analysis Time..:	01:20		
Dilution Factor:	1				
% Moisture.....:		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethylene glycol	ND	25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	88	(50 - 142)

Trace Analysis Inc

Client Sample ID: 109409

GC Semivolatiles

Lot-Sample #...:	I6K210159-010	Work Order #...:	JJ50N1AA	Matrix.....:	SO
Date Sampled...:	11/15/06	Date Received..:	11/21/06	MS Run #.....:	6332163
Prep Date.....:	11/28/06	Analysis Date..:	11/29/06		
Prep Batch #...:	6332290	Analysis Time..:	01:50		
Dilution Factor:	1				
% Moisture.....:		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethylene glycol	ND	25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	91	(50 - 142)

Trace Analysis Inc

Client Sample ID: 109396

GC Semivolatiles

Lot-Sample #...:	I6K210159-011	Work Order #...:	JJ50P1AA	Matrix.....:	WG
Date Sampled...:	11/15/06	Date Received..:	11/21/06	MS Run #.....:	6333180
Prep Date.....:	11/29/06	Analysis Date..:	11/30/06		
Prep Batch #...:	6333298	Analysis Time..:	09:18		
Dilution Factor:	1				
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethylene glycol	ND	25	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	104	(71 - 125)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I6K210159
MB Lot-Sample #: I6K280000-290
Analysis Date..: 11/28/06
Dilution Factor: 1

Work Order #...: JKE0G1AA
Prep Date.....: 11/28/06
Prep Batch #...: 6332290

Matrix.....: SOLID
Analysis Time..: 20:58

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethylene glycol	ND	25	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	84	(50 - 142)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I6K210159
MB Lot-Sample #: I6K290000-298
Analysis Date..: 11/29/06
Dilution Factor: 1

Work Order #...: JKGV31AA
Prep Date.....: 11/29/06
Prep Batch #...: 6333298

Matrix.....: WATER
Analysis Time..: 21:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethylene glycol	ND	25	mg/L	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	86	(71 - 125)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I6K210159 Work Order #...: JKE0G1AC Matrix.....: SOLID
LCS Lot-Sample#: I6K280000-290
Prep Date.....: 11/28/06 Analysis Date..: 11/28/06
Prep Batch #...: 6332290 Analysis Time..: 17:03
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Ethylene glycol	103	(85 - 115)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	91	(75 - 126)

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 Semivolatiles

Client Lot #...: I6K210159 Work Order #...: JKE0G1AC Matrix.....: SOLID
LCS Lot-Sample#: I6K280000-290
Prep Date.....: 11/28/06 Analysis Date..: 11/28/06
Prep Batch #...: 6332290 Analysis Time..: 17:03
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Ethylene glycol	400	412	mg/kg	103	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	91	(75 - 126)

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 Semivolatiles

Client Lot #...: I6K210159 Work Order #...: JKGV31AC Matrix.....: WATER
LCS Lot-Sample#: I6K290000-298
Prep Date.....: 11/29/06 Analysis Date..: 11/29/06
Prep Batch #...: 6333298 Analysis Time..: 16:28
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Ethylene glycol	106	(82 - 127)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	93	(86 - 117)

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 Semivolatiles

Client Lot #...: I6K210159 Work Order #...: JKGV31AC Matrix.....: WATER
LCS Lot-Sample#: I6K290000-298
Prep Date.....: 11/29/06 Analysis Date..: 11/29/06
Prep Batch #...: 6333298 Analysis Time..: 16:28
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Ethylene glycol	400	424	mg/L	106	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	93	(86 - 117)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I6K210159
MS Lot-Sample #: I6K210159-001
Date Sampled...: 11/15/06
Prep Date.....: 11/28/06
Prep Batch #...: 6332290
Dilution Factor: 1

Work Order #...: JJ5X41AC-MS
JJ5X41AD-MSD
Date Received..: 11/21/06
Analysis Date..: 11/28/06
Analysis Time..: 17:32

Matrix.....: SO
MS Run #.....: 6332163

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethylene glycol	51 a	(85 - 115)			SW846 8015B
	53 a	(85 - 115)	3.8	(0-30)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	84	(50 - 142)
	83	(50 - 142)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: I6K210159
MS Lot-Sample #: I6K210159-001
Date Sampled...: 11/15/06
Prep Date.....: 11/28/06
Prep Batch #...: 6332290
Dilution Factor: 1

Work Order #...: JJ5X41AC-MS
JJ5X41AD-MSD
Date Received..: 11/21/06
Analysis Date..: 11/28/06
Analysis Time..: 17:32

Matrix.....: SO
MS Run #.....: 6332163

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Ethylene glycol	ND	400	203	mg/kg	51 a		SW846 8015B
	ND	400	211	mg/kg	53 a	3.8	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	84	(50 - 142)
	83	(50 - 142)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I6K210159 Work Order #...: JJJ721AC-MS Matrix.....: WATER
MS Lot-Sample #: I6K130106-005 JJJ721AD-MSD
Date Sampled...: 11/13/06 08:00 Date Received..: 11/13/06 MS Run #.....: 6333180
Prep Date.....: 11/29/06 Analysis Date..: 11/29/06
Prep Batch #...: 6333298 Analysis Time..: 16:58
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethylene glycol	107	(82 - 127)			SW846 8015B
	103	(82 - 127)	4.7	(0-20)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	91	(71 - 125)
	87	(71 - 125)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: I6K210159 Work Order #...: JJJ721AC-MS Matrix.....: WATER
MS Lot-Sample #: I6K130106-005 JJJ721AD-MSD
Date Sampled...: 11/13/06 08:00 Date Received..: 11/13/06 MS Run #.....: 6333180
Prep Date.....: 11/29/06 Analysis Date..: 11/29/06
Prep Batch #...: 6333298 Analysis Time..: 16:58
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Ethylene glycol	ND	400	430	mg/L	107		SW846 8015B
	ND	400	410	mg/L	103	4.7	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
n-Butanol	91	(71 - 125)
	87	(71 - 125)

NOTE(S):

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

Bold print denotes control parameters

Report Attachment

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of the NELAC standards. All data have been found to be compliant with laboratory protocol except as otherwise noted.

Note that if this report contains tests performed for the following methods, the associated method deviations are applicable.

EPA 410.4, COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.
EPA 340.2, Fluoride: Preliminary Bellack distillation not performed.
EPA 624: The laboratory uses a different desorb time and purge volume than stated in the method.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
Iowa OA1: Benzene, toluene, ethylbenzene and xylenes (BTEX) are not analyzed along with the Gasoline Range Organics if client does not require BTEX.
EPA TO-12: Samples not analyzed in duplicate.
EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

TRRP Reporting Requirements

If this package contains reports requiring TRRP (Texas Risk Reduction Program) reporting criteria, the following information applies.

The REPORTING LIMIT is equivalent to the TRRP acronym MQL (method quantitation limit).
The MDL is equivalent to the TRRP acronym SQL (sample quantitation limit).

SEVERN TRENT STL

CHAIN–OF–CUSTODY ADDENDUM

Lot No: ~~Dex 210259~~ KCA 210159

RECEIVED BY: KCA

COC NUMBER: _____

DATE/TIME RECEIVED: 11/21/06 1120

QUOTE/PROFILE: 619109

UNPACKED DATE/TIME: 11/21/06 1130

CLIENT/PROJECT: Trace Analysis

SAMPLES LOGGED IN: KCA

LOG-IN REVIEWED: CC

Number of Shipping Containers Received with Chain of Custody 1

VOC AIR / FILTER SAMPLES ☐ YES SEE SECTIONS 1.0, 2.0, & 6.0

1.0 CONTAINERS EXAMINED UPON RECEIPT: KCA

Container Sealed: ☑ YES ☐ NO

Custody Seal Signed/Dated: ☑ YES ☐ NO

Custody Seal Present: ☑ YES ☐ NO

Containers checked for radioactivity: ☐ YES ☐ NO ☑ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, list air bill number of that container(s): _____

2.0 VOC CANISTERS EXAMINED UPON RECEIPT: _____

Canister Valves Closed: ☐ YES ☐ NO

Canister Valves Capped: ☐ YES ☐ NO

Valve Cap Tightened Properly: ☐ YES ☐ NO

Packing Material Used: (circle)

None / Absorbent / Paper / Bubble Wrap

Samples Received Match Chain: ☐ YES ☐ NO

Other Equipment Received: ☐ YES ☐ NO

See Additional Comments (Section 5.0 and / or 7.0) ☐ YES ☐ NO

Chain-of-Custody form properly maintained: ☐ YES ☐ NO

Can Size: ☐ 6L ☐ 15L Other _____

3.0 SAMPLE TEMPERATURE UPON RECEIPT BY: KCA

IR THERMOMETER #: R-4

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container [*acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)*]

TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
SC 4.0	SC	SC	SC	SC	SC	SC	SC	SC	SC

If temperature is outside acceptable tolerance, Project Manager was notified (_____PM). Date: _____ Time: _____

Samples received do not require cooling _____

OK to analyze samples: ☑ YES ☐ NO

PRESERVATION OF SAMPLES REQUIRED: ☑ NA ☐ YES ☐ VOA Samples VERIFIED BY: KCA

NOTE: pH CHECK OF VOLATILE SAMPLES PERFORMED AFTER ANALYSIS BY THE BENCH ANALYST.

Base samples are>pH 12: ☐ YES ☐ NO

Acid preserved are<pH 2: ☐ YES ☐ NO

Cyanide samples checked for sulfides: ☐ YES

Sulfide samples appear to be preserved with zinc acetate: ☐ YES ☐ NO

Samples checked for chlorine per specification (N.C.) ☐ YES

Free chlorine present: ☐ YES ☐ NO

If sample preservation is outside acceptable tolerance, Project Manager was notified (_____PM)

Date: _____ Time: _____ ☐ see pH adjustment form

VOLATILE SAMPLES FILLED COMPLETELY, IF NOT, LIST ID AND HEADSPACE OF VOA's CONTAINING BUBBLES EXCEEDING 6MM IN DIAMETER:

Sample ID	mm Headspace

Sample ID	mm Headspace

4.0 CONDITION OF BOTTLES/CONTAINERS

VERIFIED BY: [signature]

Samples received match COC: ☑ YES ☐ NO
See additional discrepancies/comments section: ☑ YES ☒ NO
Chain-of-Custody form properly maintained: ☑ YES ☐ NO
Bottles received intact: ☑ YES ☐ NO
Samples received from USDA restricted area: ☐ YES ☐ NO
VOA trip blanks included: ☐ YES ☐ NO ☑ N/A

5.0 ADDITIONAL DISCREPANCIES

Appears on COC		Appears on Label		
Sample ID	Date/Time	Sample ID	Date/Time	Comments

6.0 SHIPPING DOCUMENTATION:

Air/freight bill is available and attached to COC: ☐ YES ☐ NO Air bill #: _____
Hand-delivered Carrier: _____ Date: _____ Time: _____

7.0 OTHER COMMENTS:

Received 1x120mL Soil jar per Sample ID
EXCEPT
109396 = 2x40mL V.P. waters

CORRECTIVE ACTION:

Client's Name: _____ Informed verbally on: _____ By: _____
Client's Name: _____ Informed verbally on: _____ By: _____
Sample(s) processed "as is" comments: _____

Samples(s) on hold until: _____ If released, notify: _____

REVIEW:
Project Management: [signature] Date: 11/22/06

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

LAB Order ID # 210159 Page ____ of ____

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: Phone #:

Address: (Street, City, Zip) Fax #:

Contact Person: Nell Green E-mail:

Invoice to:
(If different from above)

Project #: Project Name:

Project Location (including state): Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX: SLUDGE	PRESERVATIVE METHOD: HCl	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: H_2SO_4	PRESERVATIVE METHOD: NaOH	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	SAMPLING: DATE	SAMPLING: TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Ethylene Glycol					Turn Around Time if different from standard	Hold
	109400	1			✓									11-15-06																			X			4.0 [illegible] 11/21/06			
	109401	1			✓																												X			Sulfuric			
	109402	1			✓																												X						
	109403	1			✓																												X						
	109404	1			✓																												X						
	109405	1			✓																												X						
	109406	1			✓																												X						
	109407	1			✓																												X						
	109408	1			✓																												X						
	109409	1			✓																												X						

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	11-20-06		[signature]	11/21/06	1120
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:

LAB USE ONLY

Intact Y / N

Headspace Y / N

Temp ____ °

Log-in-Review ____

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # ____

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

LAB Order ID #_____ Page_____ of _____

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: Phone #:

Address: (Street, City, Zip) Fax #:

Contact Person: Nell Green E-mail:

Invoice to:
(If different from above)

Project #: Project Name:

Project Location (including state): Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX: SLUDGE		PRESERVATIVE METHOD: HCl	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: H_2SO_4	PRESERVATIVE METHOD: NaOH	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE		SAMPLING: DATE	SAMPLING: TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Ethylene Glycols					Turn Around Time if different from standard	Hold
	109396.	2		✓									✓	✓		11-15-06																		X							

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	11-20-06		[signature]	11/21/06	1120
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:

LAB USE ONLY

Intact Y / N

Headspace Y / N

Temp ____ °

Log-in-Review ____

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

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Carrier # _____

32/32