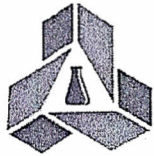






071303-01



### Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755-5225  
www.atglobal.com  
TEL: (562) 989-4045 FAX: (562) 989-4040

# CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

**Subcontractor:**

Air Technology Laboratories  
18501 E. Gale Ave, Suite 130  
City of Industry, CA 91748

TEL: (626) 964-4032  
FAX: (626) 964-5832  
Acct #:

Field Sampler: Rachel Mills

12-Jul-11

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				H2S		
118889-002B / M-108-10'	Soil Vapor	7/12/2011 11:15:00 AM	TEDLAR BAG	1		

General Comments: Please email sample receipt acknowledgement to the PM. *RA*  
 Please use PO#: SC06556 Please fax results by: Normal TAT  
 Please analyze sample for H2S by EPA 1516  
 Please send report to Rachele Arada

Relinquished by: <i>[Signature]</i>	Date/Time: 7/12/11 1603	Received by: <i>[Signature]</i>	Date/Time: 7/13/11 945
Relinquished by: <i>[Signature]</i>	Date/Time: 7/13/11 1100	Received by: <i>[Signature]</i>	Date/Time: 7/13/11 11:00



**G-3.1**

**MTA Westside Extension PE Phase**

**Vapor Sample Data**

**Location: M- U U**

May 27, 2011



Martin Hudson  
Mactec  
5628 E. Slauson Avenue,  
Los Angeles, CA 90040-2922  
TEL: (323) 889-5300  
FAX:

ELAP No.:1838  
NELAP No.:02107CA  
CSDLAC No.:10196  
ORELAP No.:CA300003

Workorder No.: 117923

RE: Metro Westside Extension, 4953-10-1561

Attention: Martin Hudson

A handwritten blue checkmark and signature, possibly reading "done", located to the right of the attention line.

Enclosed are the results for sample(s) received on May 18, 2011 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "Eddie F. Rodriguez".

Eddie F. Rodriguez  
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.





COS 1904-01/03

# CHAIN-OF-CUSTODY RECORD

**Advanced Technology Laboratories**  
 3275 Walnut Avenue, Signal Hill, CA 90755-5225  
 www.atlglobal.com  
 TEL: (562) 989-4045 FAX: (562) 989-4040

QC Level: RTNE

**Subcontractor:**

Air Technology Laboratories  
 18501 E. Gale Ave, Suite 130  
 City of Industry, CA 91748

TEL: (626) 964-4032  
 FAX: (626) 964-5832  
 Acct #:

Field Sampler: *Paul Kane*

18-May-11

Sample ID	Matrix	Date Collected	Bottle Type	H2S	Requested Tests	
01 117923-001B / M7-15'	Air	5/17/2011 1:00:00 PM	TEDLAR	1		
02 117923-002B / M11-Yellow	Air	5/18/2011 10:00:00 AM	TEDLAR	1		
03 117923-003B / M13	Air	5/18/2011 11:55:00 AM	TEDLAR	1		

General Comments: Please email sample receipt acknowledgement to the PM. *(RX)*  
 Please use PO#: SC06409 Please fax results : Normal TAT  
 Please report H2S by EPA 1516. Send report to Rachelle Arada.

Relinquished by:	Date/Time	Received by:	Date/Time
<i>[Signature]</i>	5/18/11	<i>[Signature]</i>	5/19/11 8:39
<i>[Signature]</i>	5/19/11 8:39	<i>[Signature]</i>	5/19/11 8:39





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**CLIENT:** Mactec  
**Project:** Metro Westside Extension, 4953-10-1561  
**Lab Order:** 117923

**CASE NARRATIVE**

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The samples for EPA 1516 analysis were subcontracted to Air Technology Lab.



**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 27-May-11

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<b>CLIENT:</b>	Mactec	<b>Client Sample ID:</b>	M7-15'
<b>Lab Order:</b>	117923	<b>Collection Date:</b>	5/17/2011 1:00:00 PM
<b>Project:</b>	Metro Westside Extension, 4953-10-1561	<b>Matrix:</b>	AIR
<b>Lab ID:</b>	117923-001A		

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<b>Analyses</b>	<b>Result</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
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**GASES BY GAS CHROMATOGRAPHY**

**ASTM D1946**

RunID: GC18_110520A	QC Batch: Z11A020	PrepDate:	Analyst: <b>BB</b>		
Methane	460000	10000	ppmv	1000	5/20/2011 01:51 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



*Advanced Technology  
Laboratories*

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 27-May-11

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<b>CLIENT:</b>	Mactec	<b>Client Sample ID:</b>	M11-Yellow
<b>Lab Order:</b>	117923	<b>Collection Date:</b>	5/18/2011 10:00:00 AM
<b>Project:</b>	Metro Westside Extension, 4953-10-1561	<b>Matrix:</b>	AIR
<b>Lab ID:</b>	117923-002A		

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<b>Analyses</b>	<b>Result</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
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**GASES BY GAS CHROMATOGRAPHY**

**ASTM D1946**

RunID: GC18_110520A	QC Batch: Z11A020	PrepDate:	Analyst: <b>BB</b>		
Methane	490000	10000	ppmv	1000	5/20/2011 02:33 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



*Advanced Technology  
Laboratories*

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 27-May-11

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**CLIENT:** Mactec **Client Sample ID:** M13  
**Lab Order:** 117923 **Collection Date:** 5/18/2011 11:55:00 AM  
**Project:** Metro Westside Extension, 4953-10-1561 **Matrix:** AIR  
**Lab ID:** 117923-003A

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASES BY GAS CHROMATOGRAPHY**

**ASTM D1946**

RunID: GC18\_110520A      QC Batch: Z11A020      PrepDate:      Analyst: **BB**  
Methane      630000      10000      ppmv      1000      5/20/2011 03:01 PM

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**Qualifiers:**    B    Analyte detected in the associated Method Blank      E    Value above quantitation range  
                  H    Holding times for preparation or analysis exceeded      ND    Not Detected at the Reporting Limit  
                  S    Spike/Surrogate outside of limits due to matrix interference      Results are wet unless otherwise specified  
                  DO    Surrogate Diluted Out



*Advanced Technology  
Laboratories*

3275 Walnut Avenue, Signal Hill, CA 90755    Tel: 562.989.4045    Fax: 562.989.4040

**ANALYTICAL QC SUMMARY REPORT**

**CLIENT:** Mactec  
**Work Order:** 117923

**Project:** Metro Westside Extension, 4953-10-1561

**TestCode:** D1946

Sample ID: MB-Z11A020	SampType: MBLK	TestCode: D1946	Units: ppmv	Prep Date:	RunNo: 133147						
Client ID: ZZZZZZ	Batch ID: Z11A020	TestNo: ASTM D1946		Analysis Date: 5/20/2011	SeqNo: 2172135						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	ND	10									

Sample ID: LCS-Z11A020	SampType: LCS	TestCode: D1946	Units: ppmv	Prep Date:	RunNo: 133147						
Client ID: ZZZZZZ	Batch ID: Z11A020	TestNo: ASTM D1946		Analysis Date: 5/20/2011	SeqNo: 2172136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	1077.163	10	1000	0	108	70	130				

Sample ID: LCSD-Z11A020	SampType: LCSD	TestCode: D1946	Units: ppmv	Prep Date:	RunNo: 133147						
Client ID: ZZZZZZ	Batch ID: Z11A020	TestNo: ASTM D1946		Analysis Date: 5/20/2011	SeqNo: 2172137						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	1073.789	10	1000	0	107	70	130	1077	0.314	20	

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



Advanced Technology Laboratories  
 3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040



June 1, 2011

Advanced Technology Laboratories  
ATTN: Rachelle Arada  
3275 Walnut Ave.  
Signal Hill, CA 90755



ADE-1461  
EPA Methods TO-3,  
TO14A, TO15 SIM & Scan,  
ASTM D1946



FL Cert E8784/LA Cert 04140  
EPA Methods TO3, TO14A, TO15, 25C/3C,  
RSK-175

TX Cert T104704450-09-TX  
EPA Methods TO14A, TO15

### LABORATORY TEST RESULTS

Project Reference: 117923  
Lab Number: C051904-01/03

Enclosed are results for sample(s) received 5/19/11 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Sample analyses were performed within method performance criteria, and meet all requirements of the NELAC Standards.
- All results are reported without qualifications unless otherwise noted.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark Johnson". The signature is written in a cursive, somewhat stylized font.

Mark Johnson  
Operations Manager  
MJohnson@AirTechLabs.com

Enclosures

Note: The cover letter is an integral part of this analytical report.