

**The Goodyear Tire & Rubber  
Company  
Akron, Ohio 44316-0001**

Global Product Quality and Plant Technology

1144 East Market Street, D/814  
Akron, Ohio 44316-0001

April 9, 2012

Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577

**RECEIVED**

*1:48 pm, Apr 16, 2012*

Alameda County  
Environmental Health

**Reference:**

**In-Ground Lift Removal and Soil Excavation  
Goodyear Tire Store  
1485 1<sup>st</sup> Street, Livermore, CA  
March 13, 2012**

The Goodyear Tire & Rubber Company (Goodyear) retained AECOM Technical Services (AECOM) to complete the above referenced report dated March 13, 2012. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.



Donald E. Stanley  
The Goodyear Tire & Rubber Company  
Vice President  
Product Quality and Plant Technology

AECOM Technical Services  
999 W. Town & Country Rd, Orange, CA 92868  
T 714.689.2400 F 714.689.7351 www.aecom.com

March 14, 2012

Karen Burlingame  
The Goodyear Tire & Rubber Company  
1144 East Market Street  
Akron, OH 44316-0001

**Subject: In-Ground Lift Removal and Soil Excavation  
Goodyear Tire Store,  
1485 1st Street, Livermore, CA**

Dear Ms. Burlingame:

AECOM Technical Services (AECOM) is pleased to provide The Goodyear Tire and Rubber Company (Goodyear) with this letter report summarizing the removal of one in-ground lift, soil excavation of associated soil and site restoration from the above-referenced address ("Property") (Figure 1). The removal activities were performed by Innovative Construction Solutions (ICS) and environmental oversight was performed by Carmen Goodell of AECOM on September 19 through 22, 2011.

## **BACKGROUND**

In February 2010 URS performed a Phase I Environmental Site Assessment (ESA) and Phase II Limited Subsurface Investigation (LSI) at the Property. A total of seven soil borings were advanced adjacent to the current and former in-ground hydraulic lifts and the oil/water separator (OWS). Samples were analyzed for Total Petroleum Hydrocarbons (TPH) and Volatile Organic Compounds (VOCs). Groundwater was not encountered during the investigation. Boring SB03, which was located adjacent the in-ground lift in bay 5, had detections of TPH-diesel range (DRO) and motor oil range (ORO) of 1,600 milligrams per kilogram (mg/kg) and 2,200 mg/kg at the terminal depth (11 to 12 feet), respectively. The DRO levels were above the California Regional Water Quality Control Board (RWQCB) commercial/industrial Environmental Screening Level (ESL) of 83 mg/kg for deep soils (greater than 3 meters below ground surface (bgs) were groundwater is a current or potential source of drinking water). One other boring had TPH levels reported at 2.1 mg/kg and the rest were all non-detect (ND). No VOC detections were reported.

In June 2010 URS performed a Further Site Investigation (FSI) at the Property. A total of five borings were advanced near the in-ground hydraulic lift in bay 5. Samples were analyzed for Total Petroleum Hydrocarbons (TPH) and Volatile Organic Compounds (VOCs). Groundwater was not encountered during the investigation. TPH-DRO was detected at 1.2 mg/kg in one location. All other samples were reported as ND for VOCs and TPH. The report concluded that the contamination was limited to the area immediately adjacent to the in-ground hoist.

## **SUMMARY OF WORK**

The in-ground hoist and soil removal activities included the following scope:

- Coordination with the City of Livermore Fire Department (LFD)
- Prepared a site-specific Health and Safety Plan (HASP) for potentially hazardous materials that may be encountered by AECOM personnel and our subcontractors admitted to work on the property.
- Underground Utility Clearance
- Saw-cut and removal of the asphalt and concrete surfaces above proposed excavation areas

- Excavation and stockpiling of soil from the excavation for off-site disposal. Soil was loaded into bins and disposed as non-hazardous waste. Excavated materials were inspected for visible staining and petroleum odors as well.
- Collected five confirmation soil samples from the sidewalls (4 samples) and bottom (one sample) of the excavation. The samples were analyzed for TPH carbon chain and VOCs.
- Replacement of the removed in-ground hydraulic hoist.
- Backfilling of the excavation with Controlled Density Fill (CDF), leaving sufficient room for concrete.
- Replacement of removed concrete with the 6-inch - reinforced concrete to 3500 psi.

### **Permitting**

A permit was acquired from the City of Livermore Community Development Department for the excavation activities and installation of a new in-ground hoist. The LFD was contacted and inspected the excavation prior to backfill. Copies of the permits can be found in Attachment A

### **Impacted Soil Removal and Analysis Activities**

Photos of field activities can be found in Attachment B

### **Health and Safety Plan**

A Site-Specific HASP was created to include the excavation activities. The HASP focused on personal protection equipment (PPE), exposure to chemicals of concern (VOCs and TPH), exposure limits, excavation safety procedures, stop work authority and confirmation sampling techniques.

### **Geophysical Survey and Site Clearance**

Prior to conducting any digging activities, the extent of the excavation was identified with marking paint and cleared for potential underground utilities. Underground Service Alert (Dig Alert) was notified at least 48 hours prior to the initiation of subsurface field work, per state law, to allow member companies to mark utilities that may conflict with the proposed boring locations.

### **In-ground Lift Removal**

AECOM excavated and removed the hydraulic lift using a backhoe and excavator. Prior to removal the lift was drained of all fluids. The lift was placed onto a truck and taken offsite for disposal. An airline running through the excavation area connected all the hydraulic lifts in the service bay. That line was rerouted as to keep the other lifts operational during the removal and installation process. All other lines going into the hydraulic lift were temporarily capped.

### **Soil Removal**

Soil was removed from a 6 feet wide by 5 feet long by 9 feet deep excavation. 60 tons of impacted soils were removed from the excavation and stockpiled on plastic sheeting. All stockpiles were covered with plastic sheeting as well. The soil was later loaded into bins for removal.

Prior to implementation of excavation, the approximate horizontal extents of impacted soil areas were marked using paint, and the surface concrete and asphalt were cut and removed. A backhoe and excavator were used to remove and stockpile the soil. The soil was later loaded into bins and taken offsite by Republic Services Inc for disposal. The excavation was completed once all soil which appeared to be impacted had been removed.

Upon receiving the confirmation sampling results, the excavated areas were backfilled and compacted.

## **Confirmation Sampling**

Four confirmation side-wall samples and one bottom sample were collected from the excavation (Figure 2). Samples were submitted to a fixed laboratory for analysis of VOCs by EPA Method 8260B, TPH-gasoline range (GRO), DRO and ORO by EPA Method 8015M. The Alameda County Environmental Health Department was contacted prior to the start of the excavation. The inspector was unable to be onsite during sampling and instructed AECOM to proceed with sampling.

## **Laboratory Analysis**

All soil samples were submitted to TestAmerica Laboratories (TestAmerica) in San Francisco, California for analysis of VOCs and TPH. The samples were couriered to the TestAmerica Laboratory in San Francisco by the AECOM geologist. Proper preservation of the collected soil samples was maintained throughout the sample collection and analytical process and is described below in Sample Handling Procedures.

## **Sample Handling Procedures**

To identify and manage samples obtained in the field, a sample label was affixed to each sample container. The sample labels included the following information:

- Project number;
- Site name;
- Sample identification (sample location number and depth); and
- Date and time of collection.

Following collection and labeling, samples were immediately placed in a sample cooler packed with ice for temporary storage. For each day of sampling, the sample coolers with the chain-of-custody (COC) forms were picked up at the Site by laboratory personnel and delivered to the laboratory. The following protocol was followed for packaging of samples to be shipped to the laboratory:

- Samples were placed in the cooler and packed with packaging materials to minimize the potential for disturbance and/or breakage of the sample containers.
- Samples were kept chilled upon collection and subsequent transport to the lab.

## **Soil Sample Results**

No TPH-GRO, ORO or VOCs detections were reported. All five samples had TPH-DRO detections between 1 mg/kg and 4 mg/kg, which are below the RWQCB ESL of 83 mg/kg. Table 1 summarizes the soil sample results. Figure 2 shows the confirmation sample locations. Full laboratory reports can be found in Attachment C.

## **Backfilling and Resurfacing**

Upon receiving the confirmation sample results, a replacement in-ground lift was installed by Meyers Tires Supply. The remainder of the excavation was then backfilled to below grade using CDF and the surface was capped with concrete.

**Soil Profiling and Disposal**

Stockpile samples were collected from the soils generated from the excavation. Samples were submitted to TestAmerica for analysis of VOCs by EPA Method 8260, TPH by EPA Method 8015, and metals by EPA Method 6010. All soil was categorized as Non-hazardous waste and was transported to the Vasco Road Disposal Facility. Disposal Manifests are included in Attachment D.

**Conclusions and Recommendations**

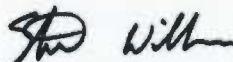
One hydraulic hoist and associated impacted soil was removed. No further action is recommended.

Sincerely,

AECOM Environment



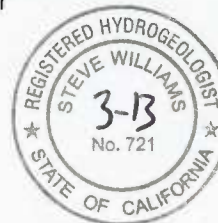
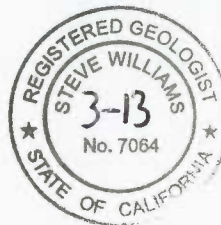
Vanessa Diep  
Project Geologist



Steve Williams P.G. #7064, C.H.G. #721  
Program Manager

Attachments:

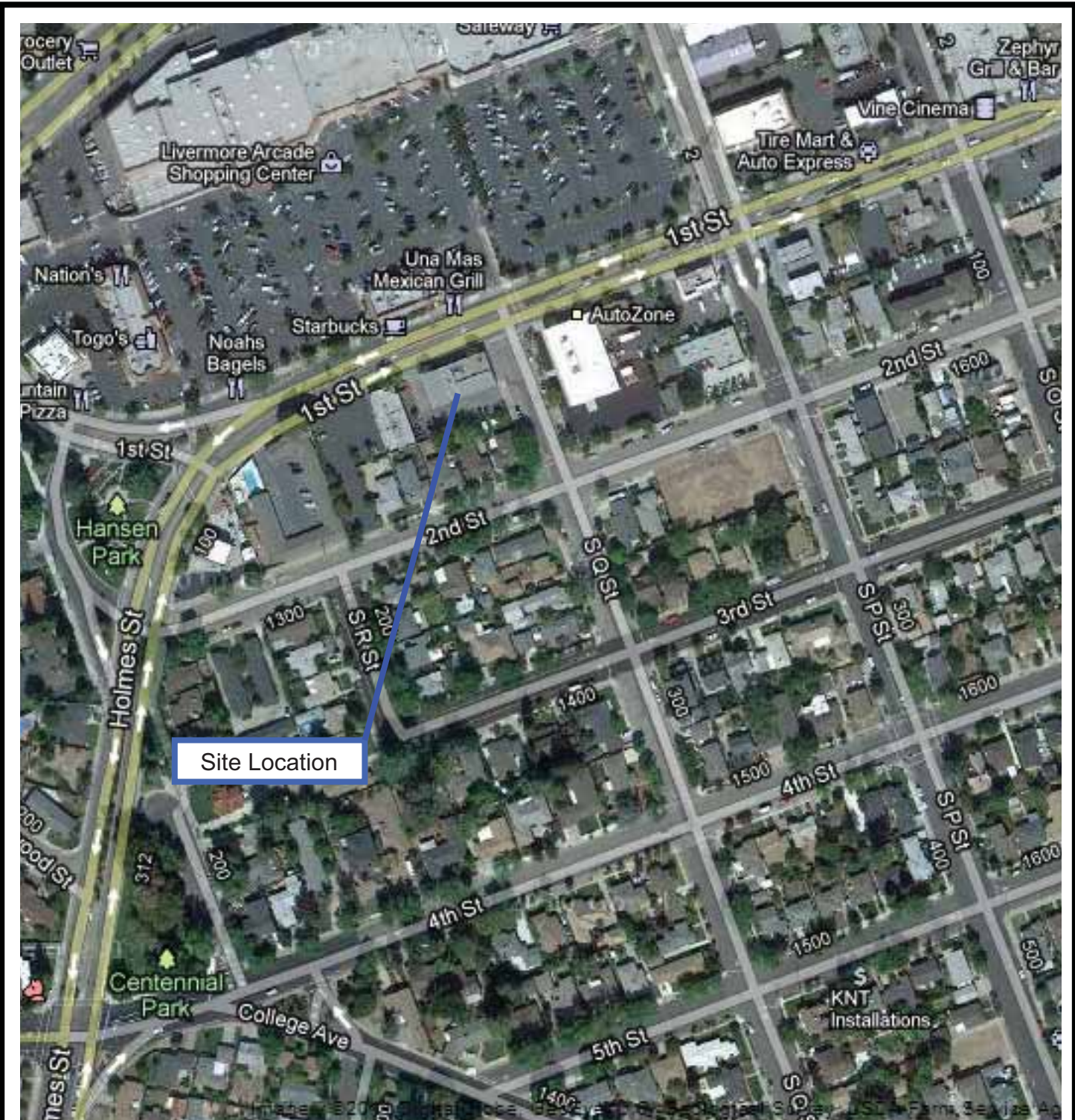
- Figures
- Tables
- Permits
- Site Photographs
- Laboratory Report
- Disposal Manifests



## Figures

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# Site Location

Rynck Tire and Auto Center # 5389

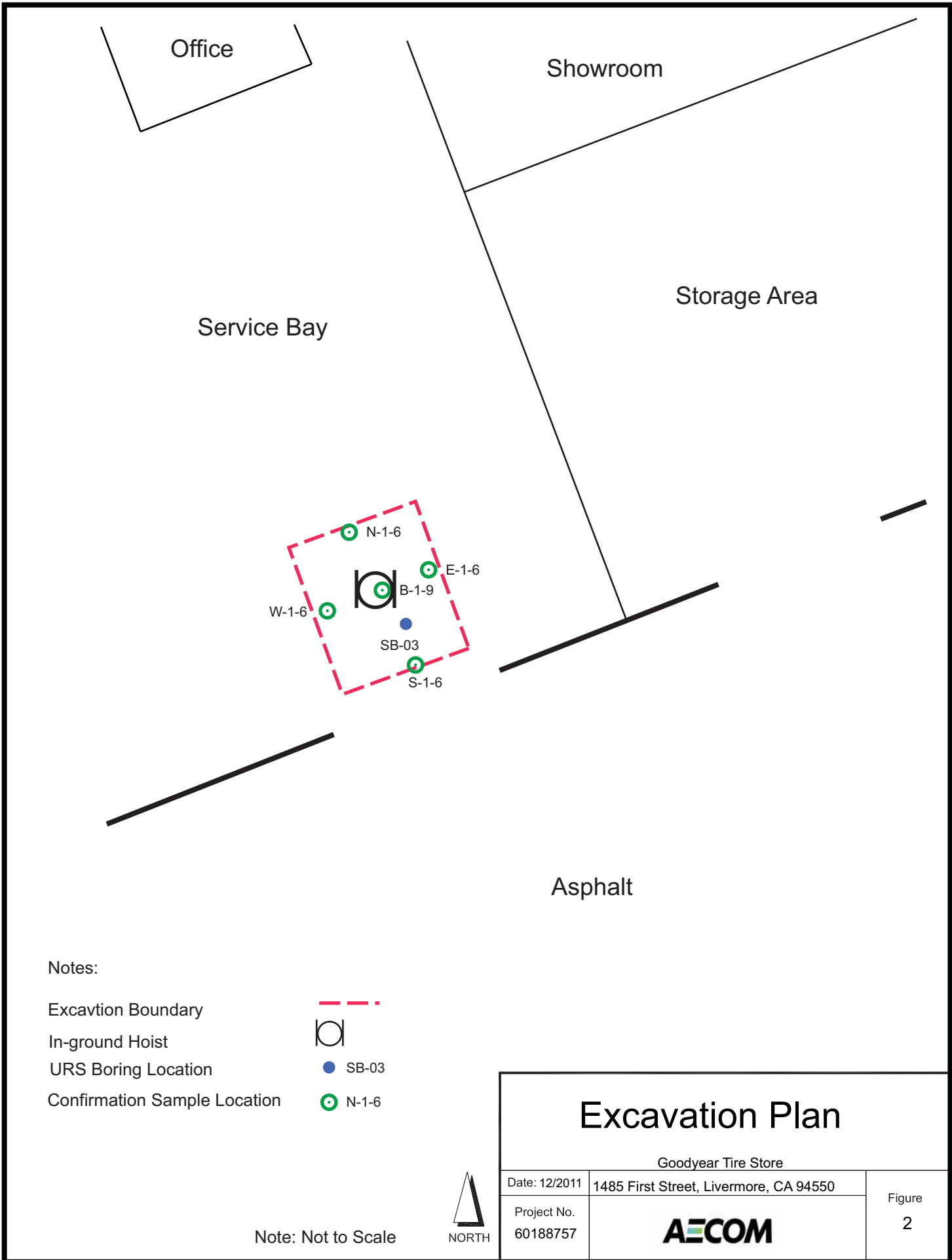
Date: 12/2011 1485 First Street, Livermore, CA 94550

Project No.  
60188757



Figure  
1





Notes:

- Excavation Boundary - - -
- In-ground Hoist |
- URS Boring Location ● SB-03
- Confirmation Sample Location ⊙ N-1-6

Note: Not to Scale



<h2 style="margin: 0;">Excavation Plan</h2>		
<p style="margin: 0;">Goodyear Tire Store</p>		
<p style="margin: 0;">Date: 12/2011</p>	<p style="margin: 0;">1485 First Street, Livermore, CA 94550</p>	<p style="margin: 0;">Figure 2</p>
<p style="margin: 0;">Project No. 60188757</p>		



## Tables

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**Table 1 - Confirmation Soil Samples Results  
Goodyear Livermore**

Parameters		TPH GRO (C6 - C12)	TPH DRO (C10-C28)	TPH ORO (C24 - C36)	All VOCs
SAMPLE ID	UNITS	mg/kg	mg/kg	mg/kg	µg/kg
N-1-6		ND	3.4	ND	ND
E-1-6		ND	1	ND	ND
S-1-6		ND	3.6	ND	ND
W-1-6		ND	1.2	ND	ND
B-1-9		ND	3.3	ND	ND

*Notes:*

- TPH GRO total petroleum hydrocarbons as gasoline (C4 - C12)
- TPH DRO total petroleum hydrocarbons as diesel (C10 - C28)
- TPH ORO total petroleum hydrocarbons as motor oil (C24 - C36)
- mg/kg milligrams per kilogram
- µg/kg micrograms per kilogram
- ND Not Detected

Attachment A

Permit

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**CITY OF LIVERMORE**  
**Community Development Department**  
 1052 S. Livermore Avenue  
 Livermore, CA 94550  
 Information: (925) 960-4410  
 Inspections: (925) 960-4430

Permit No. **CM11079**  
 Issued Date: **10/04/2011**  
 Valuation: **\$10,200.00**  
 Site Address: **1485 First Street \*\*\*\***  
 Parcel Number: **097 008200101**  
 Fire Sprinklers? **Y**

**Owner Name & Phone #: Arthur Thompson**  
**Contractor Name & Phone #: Patrick Scott Myers 209 607-0772**

**Description of Work: Install new car lift with 1 220 outlet. (Goodyear Certified Tires)**

**IMPORTANT**

Application is hereby made to the City of Livermore for a permit subject to the conditions and restrictions set forth on the front face of this application. Each person upon whose behalf this application is made and each person at whose request and for whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to, and shall, indemnify and hold harmless the City of Livermore, its officers agents and employees from any liability arising out of the issuance of any permit resulting from this application.

**Licensed Contractor's Declaration:** I hereby affirm that I am licensed under provisions of Chapter 9, commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: \_\_\_\_\_  
 License Number: 723447 Expiration Date: 06/30/2012

Contractor's Signature: Patrick S. Myers

**Owner-Builder Declaration:** I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the initial(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500):

I, as owner of the property, or my employees with wages as their sole compensation, will do  all of or  portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code. The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built or improved for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.)

I am exempt from licensure under the Contractors' State License Law for the following reason: \_\_\_\_\_  
 By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Issued Date \_\_\_\_\_ Signature of Property Owner or Authorized Agent \_\_\_\_\_

**Worker's Compensation Declaration:** I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: EXEMPT Policy Number: \_\_\_\_\_  
 I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Issued Date: 10-4-11 Signature: Patrick S. Myers

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Issued Date: 10-4-11 Signature of Owner or Contractor: Patrick S. Myers

**PLEASE NOTE: THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.**  
 Pursuant to Section 17951(d) of the California Health & Safety Code, you may be entitled to reimbursement of fees for inspections not performed within 60 days of notification of completed work.

10/24/2011 01:29 9254625398  
Floor drain  
to be filled in

Job: MYERS TIRE SUPPLY-OAKLAND

Job No.  
11143

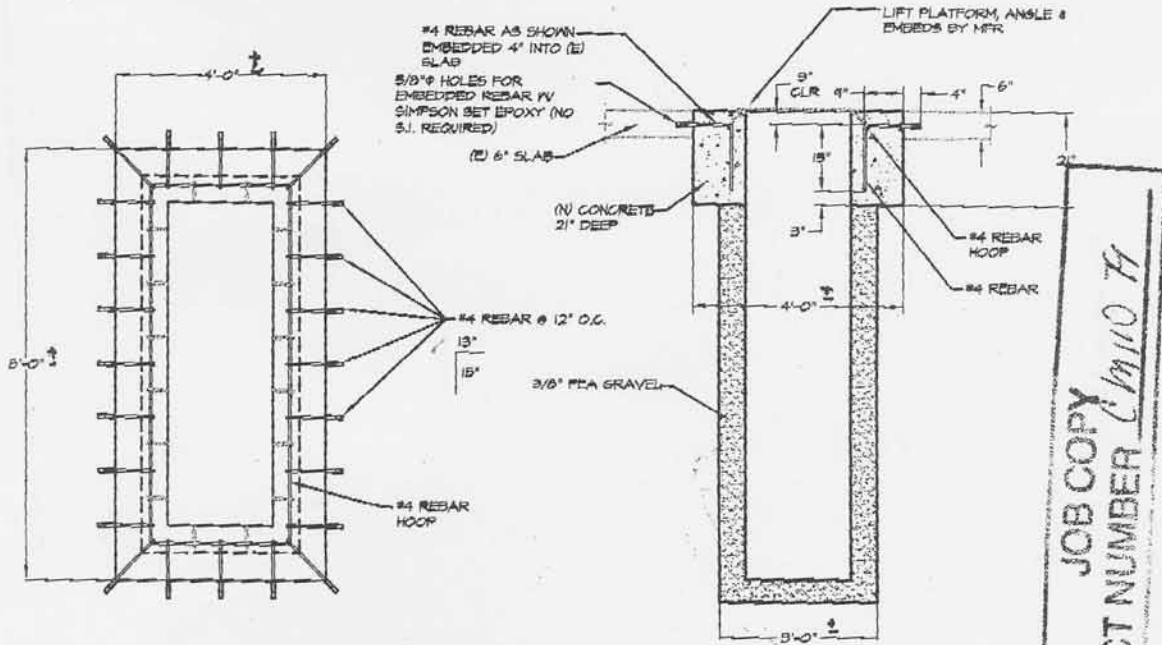
MARTIN CONSULTING GROUP, INC.

2204 PLAZA DRIVE, SUITE 130  
ROCKLIN, CALIFORNIA 95765

916-256-4816 FAX 916-302-4065

Client: MYERS TIRE SUPPLY

Designed by: JLM Date: 09/26/11 Pg 1 of 1



IN-GROUND LIFT-SL210  
LIFT BASE  
DETAIL

1  
SK-0 NTS

REVIEWED  
CITY OF LIVERMORE  
BUILDING DIVISION

OCT 03 2011  
Greg Shain

JOB COPY  
PROJECT NUMBER CM107A

**REVIEWED**  
**CITY OF LIVERMORE BUILDING DIVISION**  
THESE REVIEWED PLANS AND SPECIFICATIONS SHALL NOT BE CHANGED, WITHOUT AUTHORIZATION FROM THE CITY OF LIVERMORE BUILDING DIVISION. THE REVIEW OF PLANS AND SPECIFICATIONS DOES NOT PERMIT THE VIOLATION OF ANY LAW, ORDINANCE OR REGULATION. THE ISSUANCE OF A PERMIT BASED UPON THESE REVIEWED PLANS AND SPECIFICATIONS SHALL NOT PREVENT THE BUILDING OFFICIAL FROM REQUIRING CORRECTION OF ERRORS IN SAID PLANS AND SPECIFICATIONS.

Greg Shain  
PLANS EXAMINER  
10-3-11  
DATE



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

Attachment B  
Site Photographs

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<b>Facility Name:</b> Goodyear Livermore		<b>Site Location:</b> 1485 First Street, Livermore, California	<b>Project No.:</b> 60188757
<b>Photo No.</b> 1	<b>Date:</b> 09/19/11		
<b>Direction Photo Taken:</b>			
<b>Description:</b> Location of copper air line with respect to the lift			

<b>Photo No.</b> 2	<b>Date:</b> 09/19/11	
<b>Direction Photo Taken:</b>		
<b>Description:</b> Here is a close-up of the air line		

<b>Facility Name:</b> Goodyear Livermore	<b>Site Location:</b> 1485 First Street, Livermore, California	<b>Project No.:</b> 60188757
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<b>Photo No.:</b> <b>3</b>	<b>Date:</b> 09/19/11
-------------------------------	--------------------------

<b>Direction Photo Taken:</b>  Southeast
--

**Description:**  
  
Trimming the pipe to re-route the line



<b>Photo No.:</b> <b>4</b>	<b>Date:</b> 09/19/11
-------------------------------	--------------------------

<b>Direction Photo Taken:</b>  
---------------------------------------


**Description:**  
  
This is the new fitting for the temporary pipe connection







## PHOTOGRAPHIC LOG

<b>Facility Name:</b> Goodyear Livermore		<b>Site Location:</b> 1485 First Street, Livermore, California	<b>Project No.</b> 60188757
<b>Photo No.</b> <b>5</b>	<b>Date:</b> 09/19/11		
<b>Direction Photo Taken:</b> Northwest			
<b>Description:</b> The pipe has been rerouted and all other lifts are fully operational			

<b>Facility Name:</b> Goodyear Livermore		<b>Site Location:</b> 1485 First Street, Livermore, California	<b>Project No.:</b> 60188757
<b>Photo No.:</b> <b>6</b>	<b>Date:</b> 09/22/11		
<b>Direction Photo Taken:</b> North-northwest			
<b>Description:</b> The completed excavation			

<b>Photo No.:</b> <b>7</b>	<b>Date:</b> 09/22/11	
<b>Direction Photo Taken:</b> South-southeast		
<b>Description:</b> The stockpiled soil prior to removal from the site.		

Attachment C

Lab Reports

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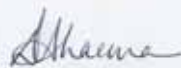
## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566  
Tel: (925)484-1919

TestAmerica Job ID: 720-37552-2  
Client Project/Site: Goodyear Tire

For:  
AECOM, Inc.  
999 Town & Country Road  
4th Floor  
Orange, California 92868

Attn: Vanessa Diep



Authorized for release by:  
10/10/2011 04:00:02 PM

Dimple Sharma  
Project Manager I  
[dimple.sharma@testamericainc.com](mailto:dimple.sharma@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*



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# Definitions/Glossary

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-2

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

1

2

3

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14

# Case Narrative

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-2

**Job ID: 720-37552-2**

**Laboratory: TestAmerica San Francisco**

## Narrative

**Job Narrative**  
720-37552-2

## Comments

No additional comments.

## Receipt

All samples were received in good condition within temperature requirements.

## Metals

No analytical or quality issues were noted.

- 1
- 2
- 3
- 4
- 5
- 6
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- 9
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- 11
- 12
- 13
- 14

# Detection Summary

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-2

**Client Sample ID: IDW-1**

**Lab Sample ID: 720-37552-6**

No Detections

- 1
- 2
- 3
- 4
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- 6
- 7
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- 11
- 12
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- 14



# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-2

## Method: 6010B - Metals (ICP) - STLC Citrate

Client Sample ID: IDW-1  
Date Collected: 09/20/11 08:40  
Date Received: 09/20/11 11:07

Lab Sample ID: 720-37552-6  
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.25		mg/L		10/10/11 11:23	10/10/11 13:35	2.5

- 1
- 2
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- 4
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- 11
- 12
- 13
- 14

# QC Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-2

## Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-100552/1-A  
Matrix: Solid  
Analysis Batch: 100570

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 100552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.010		mg/L		10/10/11 11:23	10/10/11 13:08	1

Lab Sample ID: LCS 720-100552/2-A  
Matrix: Solid  
Analysis Batch: 100570

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 100552

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chromium	1.00	0.962		mg/L		96	80 - 120

Lab Sample ID: LCSD 720-100552/3-A  
Matrix: Solid  
Analysis Batch: 100570

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total Recoverable  
Prep Batch: 100552

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chromium	1.00	0.987		mg/L		99	80 - 120	3	20

Lab Sample ID: LB4 720-100494/1-B LB4  
Matrix: Solid  
Analysis Batch: 100570

Client Sample ID: Method Blank  
Prep Type: STLC Citrate  
Prep Batch: 100552

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.25		mg/L		10/10/11 11:23	10/10/11 13:21	2.5

Lab Sample ID: 720-37552-6 MS  
Matrix: Solid  
Analysis Batch: 100570

Client Sample ID: IDW-1  
Prep Type: STLC Citrate  
Prep Batch: 100552

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Chromium	ND		10.0	10.2		mg/L		101	75 - 125

Lab Sample ID: 720-37552-6 MSD  
Matrix: Solid  
Analysis Batch: 100570

Client Sample ID: IDW-1  
Prep Type: STLC Citrate  
Prep Batch: 100552

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chromium	ND		10.0	10.1		mg/L		100	75 - 125	1	20

# QC Association Summary

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-2

## Metals

### Leach Batch: 100494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37552-6	IDW-1	STLC Citrate	Solid	CA WET Citrate	
720-37552-6 MS	IDW-1	STLC Citrate	Solid	CA WET Citrate	
720-37552-6 MSD	IDW-1	STLC Citrate	Solid	CA WET Citrate	
LB4 720-100494/1-B LB4	Method Blank	STLC Citrate	Solid	CA WET Citrate	

### Prep Batch: 100552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37552-6	IDW-1	STLC Citrate	Solid	3005A	100494
720-37552-6 MS	IDW-1	STLC Citrate	Solid	3005A	100494
720-37552-6 MSD	IDW-1	STLC Citrate	Solid	3005A	100494
LB4 720-100494/1-B LB4	Method Blank	STLC Citrate	Solid	3005A	100494
LCS 720-100552/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	
LCSD 720-100552/3-A	Lab Control Sample Dup	Total Recoverable	Solid	3005A	
MB 720-100552/1-A	Method Blank	Total Recoverable	Solid	3005A	

### Analysis Batch: 100570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37552-6	IDW-1	STLC Citrate	Solid	6010B	100552
720-37552-6 MS	IDW-1	STLC Citrate	Solid	6010B	100552
720-37552-6 MSD	IDW-1	STLC Citrate	Solid	6010B	100552
LB4 720-100494/1-B LB4	Method Blank	STLC Citrate	Solid	6010B	100552
LCS 720-100552/2-A	Lab Control Sample	Total Recoverable	Solid	6010B	100552
LCSD 720-100552/3-A	Lab Control Sample Dup	Total Recoverable	Solid	6010B	100552
MB 720-100552/1-A	Method Blank	Total Recoverable	Solid	6010B	100552

# Lab Chronicle

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-2

**Client Sample ID: IDW-1**

**Lab Sample ID: 720-37552-6**

**Date Collected: 09/20/11 08:40**

**Matrix: Solid**

**Date Received: 09/20/11 11:07**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			100494	10/07/11 22:01	SK	TAL SF
STLC Citrate	Prep	3005A			100552	10/10/11 11:23	EFH	TAL SF
STLC Citrate	Analysis	6010B		2.5	100570	10/10/11 13:35	EFH	TAL SF

**Laboratory References:**

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



# Certification Summary

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-2

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Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica San Francisco	California	State Program	9	2496

---

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

- 1
- 2
- 3
- 4
- 5
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# Method Summary

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-2

---

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL SF

---

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



# Sample Summary

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-2

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-37552-6	IDW-1	Solid	09/20/11 08:40	09/20/11 11:07

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- 1
- 2
- 3
- 4
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- 9
- 10
- 11
- 12
- 13
- 14

CHAIN OF CUSTODY RECORD

JDE NO. 3181  
720-37552-2

133788



TestAmerica  
1220 Quarry Lane  
Pleasanton, CA 94566

Phone: 949.241.1022  
Lab Proj. Mgr Dimple Sharman  
lena.davidkova@testamericainc.com

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

State in which sampling occurred CA

Compliance Monitoring? Yes  No

Enforcement Action? Yes  No

*Carmen Goodell @ aecom.com*

Client Name: Goodyear Tire c/o AECOM

Address: 2101 Webster St Suite 1900

City/State/Zip: Oakland, CA 94612

Project Manager: Vanessa Diep

Telephone Number: 714-691-719 EMAIL: vanessa.diep@aecom.com

Sampler Name: (Print) Carmen Goodell

Sampler Signature: *Carmen Goodell*

Report To: Vanessa Diep vanessa.diep@aecom.com

Invoice To: Attn: Accounts Payable Goodyear P.O. Box # 666 Akron, Ohio 44309

Invoice email: chris\_wiley@goodyear.com

GASC / DEX #

SITE STREET ADDRESS 1485 1st St. Livermore, CA

PO & Quote Number: Goodyear PO No. C6316 Goodyear Pricing Posted on TestAmerica Oasis 12-01-08 to 12-31-2010

Sample ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Enter No of Bottles											Matrix	ANALYSIS REQUESTED						RUSH TAT (Pre-Schedule)	RUSH Due Date	Standard TAT 7-10 Business Day	Email results	TestAmerica QC Level 2	Electronic Deliverables	REMARKS		
							HNO <sub>3</sub> Preserved	HCl Preserved	NaOH Preserved	H <sub>2</sub> SO <sub>4</sub> Plastic Preserved	H <sub>2</sub> SO <sub>4</sub> Glass Preserved	No Preservative	Other Preservative (Specify)	Groundwater / Aqueous	Soil / Solid	Other (specify)	TPH		VOC	CAM 17 Metals													
N-1-G	9/20/11	904	1			N											X															Same Day	
E-1-G		858	1														X															Same Day	
S-1-G		900	1														X															Same Day	
W-1-G		902	1														X															Same Day	
B-1-G <i>CMG</i>		855	1														X															Same Day	
TDW-1		840	1		X												X															Same Day	

**RUSH**

Per Vanessa on 9/20/11 @ 4:08 PM still CR on

**3-day Rush AS**

Special Instructions: A copy of this COC must accompany each invoice. Invoice must state " Please charge out to Matt McClellan ZA02630"

Relinquished by: *Carmen Goodell* Date: 9/20/11 Time: 1102  
 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by TestAmerica: *Joan Muller* Date: 9-20-11 Time: 1107

Laboratory Comments:  
 Temperature Upon Receipt? Y  
 Sample Containers Intact? Y  
 VOCs Free of Headspace? Y  
 N  
 N  
 N

\*\* Level 4 Deliverables is a Full CLP like data package there is a surcharge on all Level 4 data packages.

5.42



## Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 720-37552-2

**Login Number: 37552**

**List Source: TestAmerica San Francisco**

**List Number: 1**

**Creator: Mullen, Joan**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



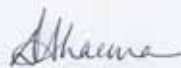
## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566  
Tel: (925)484-1919

TestAmerica Job ID: 720-37552-1  
Client Project/Site: Goodyear Tire

For:  
AECOM, Inc.  
999 Town & Country Road  
4th Floor  
Orange, California 92868

Attn: Vanessa Diep



Authorized for release by:  
09/21/2011 11:07:43 AM

Dimple Sharma  
Project Manager I  
[dimple.sharma@testamericainc.com](mailto:dimple.sharma@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*



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# Definitions/Glossary

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

### GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

### Metals

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

**Job ID: 720-37552-1**

**Laboratory: TestAmerica San Francisco**

## Narrative

**Job Narrative**  
720-37552-1

### Comments

No additional comments.

### Receipt

All samples were received in good condition within temperature requirements.

### GC/MS VOA

No analytical or quality issues were noted.

### GC VOA

No analytical or quality issues were noted.

### GC Semi VOA

Method 8015B: Due to the high concentration of C10-C28, the matrix spike / matrix spike duplicate (MS/MSD) for batch 99365 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015B: Due to the level of dilution required for the following sample, surrogate recoveries are not reported: IDW-1 (720-37552-6).

No other analytical or quality issues were noted.

### Metals

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analysis batch 99403 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

### Organic Prep

No analytical or quality issues were noted.



# Detection Summary

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Client Sample ID: N-1-6

Lab Sample ID: 720-37552-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	3.4		0.99		mg/Kg	1		8015B	Total/NA

## Client Sample ID: E-1-6

Lab Sample ID: 720-37552-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.0		0.98		mg/Kg	1		8015B	Total/NA

## Client Sample ID: S-1-6

Lab Sample ID: 720-37552-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	3.6		0.99		mg/Kg	1		8015B	Total/NA

## Client Sample ID: W-1-6

Lab Sample ID: 720-37552-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.2		0.99		mg/Kg	1		8015B	Total/NA

## Client Sample ID: B-1-9

Lab Sample ID: 720-37552-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	3.3		0.99		mg/Kg	1		8015B	Total/NA

## Client Sample ID: IDW-1

Lab Sample ID: 720-37552-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	600		4.9		mg/Kg	5		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	720		250		mg/Kg	5		8015B	Total/NA
Arsenic	5.2		3.8		mg/Kg	4		6010B	Total/NA
Barium	170		1.9		mg/Kg	4		6010B	Total/NA
Chromium	63		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	16		0.77		mg/Kg	4		6010B	Total/NA
Copper	33		5.8		mg/Kg	4		6010B	Total/NA
Lead	14		1.9		mg/Kg	4		6010B	Total/NA
Nickel	120		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	30		1.9		mg/Kg	4		6010B	Total/NA
Zinc	74		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.065		0.0098		mg/Kg	1		7471A	Total/NA

# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS

**Client Sample ID: N-1-6**  
**Date Collected: 09/20/11 09:04**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-1**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Acetone	ND		48		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Benzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Dichlorobromomethane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Bromobenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Chlorobromomethane	ND		19		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Bromoform	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Bromomethane	ND		9.5		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
2-Butanone (MEK)	ND		48		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
n-Butylbenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
sec-Butylbenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
tert-Butylbenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Carbon disulfide	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Carbon tetrachloride	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Chlorobenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Chloroethane	ND		9.5		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Chloroform	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Chloromethane	ND		9.5		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
2-Chlorotoluene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
4-Chlorotoluene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Chlorodibromomethane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,2-Dichlorobenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,3-Dichlorobenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,4-Dichlorobenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,3-Dichloropropane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,1-Dichloropropene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,2-Dibromo-3-Chloropropane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Ethylene Dibromide	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Dibromomethane	ND		9.5		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Dichlorodifluoromethane	ND		9.5		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,1-Dichloroethane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,2-Dichloroethane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,1-Dichloroethene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
cis-1,2-Dichloroethene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
trans-1,2-Dichloroethene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,2-Dichloropropane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
cis-1,3-Dichloropropene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
trans-1,3-Dichloropropene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Ethylbenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Hexachlorobutadiene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
2-Hexanone	ND		48		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Isopropylbenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
4-Isopropyltoluene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Methylene Chloride	ND		9.5		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
4-Methyl-2-pentanone (MIBK)	ND		48		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Naphthalene	ND		9.5		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
N-Propylbenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Styrene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,1,1,2-Tetrachloroethane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1

# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Client Sample ID: N-1-6**  
**Date Collected: 09/20/11 09:04**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-1**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Tetrachloroethene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Toluene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,2,3-Trichlorobenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,2,4-Trichlorobenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,1,1-Trichloroethane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,1,2-Trichloroethane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Trichloroethene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Trichlorofluoromethane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,2,3-Trichloropropane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,2,4-Trimethylbenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
1,3,5-Trimethylbenzene	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Vinyl acetate	ND		48		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Vinyl chloride	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Xylenes, Total	ND		9.5		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
2,2-Dichloropropane	ND		4.8		ug/Kg		09/20/11 11:15	09/20/11 15:12	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		09/20/11 11:15	09/20/11 15:12	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		45 - 131	09/20/11 11:15	09/20/11 15:12	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140	09/20/11 11:15	09/20/11 15:12	1
Toluene-d8 (Surr)	99		58 - 140	09/20/11 11:15	09/20/11 15:12	1

**Client Sample ID: E-1-6**  
**Date Collected: 09/20/11 08:58**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-2**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Acetone	ND		50		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Benzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Dichlorobromomethane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Bromobenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Chlorobromomethane	ND		20		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Bromoform	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Bromomethane	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
2-Butanone (MEK)	ND		50		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
n-Butylbenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
sec-Butylbenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
tert-Butylbenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Carbon disulfide	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Carbon tetrachloride	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Chlorobenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Chloroethane	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Chloroform	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Chloromethane	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
2-Chlorotoluene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
4-Chlorotoluene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1



# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Client Sample ID: E-1-6**  
**Date Collected: 09/20/11 08:58**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-2**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,3-Dichloropropane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,1-Dichloropropene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Ethylene Dibromide	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Dibromomethane	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Dichlorodifluoromethane	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,1-Dichloroethane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,2-Dichloroethane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,1-Dichloroethene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,2-Dichloropropane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Ethylbenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Hexachlorobutadiene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
2-Hexanone	ND		50		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Isopropylbenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
4-Isopropyltoluene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Methylene Chloride	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Naphthalene	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
N-Propylbenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Styrene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Tetrachloroethene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Toluene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Trichloroethene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Trichlorofluoromethane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Vinyl acetate	ND		50		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Vinyl chloride	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Xylenes, Total	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/20/11 11:15	09/20/11 15:41	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		09/20/11 11:15	09/20/11 15:41	1

# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		45 - 131	09/20/11 11:15	09/20/11 15:41	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140	09/20/11 11:15	09/20/11 15:41	1
Toluene-d8 (Surr)	99		58 - 140	09/20/11 11:15	09/20/11 15:41	1

**Client Sample ID: S-1-6**  
**Date Collected: 09/20/11 09:00**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-3**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Acetone	ND		49		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Benzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Dichlorobromomethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Bromobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Chlorobromomethane	ND		20		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Bromoform	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Bromomethane	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
2-Butanone (MEK)	ND		49		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
n-Butylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
sec-Butylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
tert-Butylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Carbon disulfide	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Carbon tetrachloride	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Chlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Chloroethane	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Chloroform	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Chloromethane	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
2-Chlorotoluene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
4-Chlorotoluene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Chlorodibromomethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,3-Dichloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,1-Dichloropropene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,2-Dibromo-3-Chloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Ethylene Dibromide	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Dibromomethane	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Dichlorodifluoromethane	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,1-Dichloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,2-Dichloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,1-Dichloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,2-Dichloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Ethylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Hexachlorobutadiene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
2-Hexanone	ND		49		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Isopropylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
4-Isopropyltoluene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Methylene Chloride	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1

# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Client Sample ID: S-1-6**  
**Date Collected: 09/20/11 09:00**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-3**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Naphthalene	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
N-Propylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Styrene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Tetrachloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Toluene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Trichloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Trichlorofluoromethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Vinyl acetate	ND		49		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Vinyl chloride	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Xylenes, Total	ND		9.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:10	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		09/20/11 11:15	09/20/11 16:10	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		45 - 131	09/20/11 11:15	09/20/11 16:10	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140	09/20/11 11:15	09/20/11 16:10	1
Toluene-d8 (Surr)	98		58 - 140	09/20/11 11:15	09/20/11 16:10	1

**Client Sample ID: W-1-6**  
**Date Collected: 09/20/11 09:02**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-4**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Acetone	ND		49		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Benzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Dichlorobromomethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Bromobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Chlorobromomethane	ND		20		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Bromoform	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Bromomethane	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
2-Butanone (MEK)	ND		49		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
n-Butylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
sec-Butylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
tert-Butylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Carbon disulfide	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Carbon tetrachloride	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Chlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1

# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Client Sample ID: W-1-6**  
**Date Collected: 09/20/11 09:02**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-4**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Chloroform	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Chloromethane	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
2-Chlorotoluene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
4-Chlorotoluene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Chlorodibromomethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,3-Dichloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,1-Dichloropropene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,2-Dibromo-3-Chloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Ethylene Dibromide	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Dibromomethane	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Dichlorodifluoromethane	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,1-Dichloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,2-Dichloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,1-Dichloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,2-Dichloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Ethylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Hexachlorobutadiene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
2-Hexanone	ND		49		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Isopropylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
4-Isopropyltoluene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Methylene Chloride	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Naphthalene	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
N-Propylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Styrene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Tetrachloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Toluene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Trichloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Trichlorofluoromethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Vinyl acetate	ND		49		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Vinyl chloride	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1

# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Client Sample ID: W-1-6**  
**Date Collected: 09/20/11 09:02**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-4**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		09/20/11 11:15	09/20/11 16:38	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		45 - 131				09/20/11 11:15	09/20/11 16:38	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140				09/20/11 11:15	09/20/11 16:38	1
Toluene-d8 (Surr)	97		58 - 140				09/20/11 11:15	09/20/11 16:38	1

**Client Sample ID: B-1-9**  
**Date Collected: 09/20/11 08:55**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-5**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Acetone	ND		49		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Benzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Dichlorobromomethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Bromobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Chlorobromomethane	ND		20		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Bromoform	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Bromomethane	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
2-Butanone (MEK)	ND		49		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
n-Butylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
sec-Butylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
tert-Butylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Carbon disulfide	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Carbon tetrachloride	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Chlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Chloroethane	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Chloroform	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Chloromethane	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
2-Chlorotoluene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
4-Chlorotoluene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Chlorodibromomethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,3-Dichloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,1-Dichloropropene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,2-Dibromo-3-Chloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Ethylene Dibromide	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Dibromomethane	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Dichlorodifluoromethane	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,1-Dichloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,2-Dichloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,1-Dichloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1

# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Client Sample ID: B-1-9**  
**Date Collected: 09/20/11 08:55**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-5**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Ethylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Hexachlorobutadiene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
2-Hexanone	ND		49		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Isopropylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
4-Isopropyltoluene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Methylene Chloride	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Naphthalene	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
N-Propylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Styrene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Tetrachloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Toluene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Trichloroethene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Trichlorofluoromethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Vinyl acetate	ND		49		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Vinyl chloride	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Xylenes, Total	ND		9.8		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/20/11 11:15	09/20/11 17:07	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		09/20/11 11:15	09/20/11 17:07	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		45 - 131	09/20/11 11:15	09/20/11 17:07	1
1,2-Dichloroethane-d4 (Surr)	106		60 - 140	09/20/11 11:15	09/20/11 17:07	1
Toluene-d8 (Surr)	97		58 - 140	09/20/11 11:15	09/20/11 17:07	1

**Client Sample ID: IDW-1**  
**Date Collected: 09/20/11 08:40**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-6**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Acetone	ND		46		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Benzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Dichlorobromomethane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Bromobenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Chlorobromomethane	ND		19		ug/Kg		09/20/11 11:15	09/20/11 19:03	1

# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Client Sample ID: IDW-1**  
**Date Collected: 09/20/11 08:40**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-6**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Bromomethane	ND		9.3		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
2-Butanone (MEK)	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
n-Butylbenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
sec-Butylbenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
tert-Butylbenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Carbon disulfide	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Carbon tetrachloride	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Chlorobenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Chloroethane	ND		9.3		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Chloroform	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Chloromethane	ND		9.3		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
2-Chlorotoluene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
4-Chlorotoluene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Chlorodibromomethane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,2-Dichlorobenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,3-Dichlorobenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,4-Dichlorobenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,3-Dichloropropane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,1-Dichloropropene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,2-Dibromo-3-Chloropropane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Ethylene Dibromide	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Dibromomethane	ND		9.3		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Dichlorodifluoromethane	ND		9.3		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,1-Dichloroethane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,2-Dichloroethane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,1-Dichloroethene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
cis-1,2-Dichloroethene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
trans-1,2-Dichloroethene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,2-Dichloropropane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
cis-1,3-Dichloropropene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
trans-1,3-Dichloropropene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Ethylbenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Hexachlorobutadiene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
2-Hexanone	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Isopropylbenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
4-Isopropyltoluene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Methylene Chloride	ND		9.3		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
4-Methyl-2-pentanone (MIBK)	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Naphthalene	ND		9.3		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
N-Propylbenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Styrene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,1,1,2-Tetrachloroethane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,1,2,2-Tetrachloroethane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Tetrachloroethene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Toluene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,2,3-Trichlorobenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,2,4-Trichlorobenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,1,1-Trichloroethane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1

# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Client Sample ID: IDW-1**  
**Date Collected: 09/20/11 08:40**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-6**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Trichloroethene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Trichlorofluoromethane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,2,3-Trichloropropane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,2,4-Trimethylbenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
1,3,5-Trimethylbenzene	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Vinyl acetate	ND		46		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Vinyl chloride	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Xylenes, Total	ND		9.3		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
2,2-Dichloropropane	ND		4.6		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		09/20/11 11:15	09/20/11 19:03	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		45 - 131				09/20/11 11:15	09/20/11 19:03	1
1,2-Dichloroethane-d4 (Surr)	106		60 - 140				09/20/11 11:15	09/20/11 19:03	1
Toluene-d8 (Surr)	98		58 - 140				09/20/11 11:15	09/20/11 19:03	1



# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8015B - Diesel Range Organics (DRO) (GC)

**Client Sample ID: N-1-6**  
**Date Collected: 09/20/11 09:04**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-1**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.4		0.99		mg/Kg		09/20/11 13:16	09/21/11 02:12	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		09/20/11 13:16	09/21/11 02:12	1
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>p</i> -Terphenyl	96		40 - 130				09/20/11 13:16	09/21/11 02:12	1

**Client Sample ID: E-1-6**  
**Date Collected: 09/20/11 08:58**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-2**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.0		0.98		mg/Kg		09/20/11 13:16	09/21/11 02:35	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		09/20/11 13:16	09/21/11 02:35	1
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>p</i> -Terphenyl	94		40 - 130				09/20/11 13:16	09/21/11 02:35	1

**Client Sample ID: S-1-6**  
**Date Collected: 09/20/11 09:00**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-3**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.6		0.99		mg/Kg		09/20/11 13:16	09/21/11 02:58	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		09/20/11 13:16	09/21/11 02:58	1
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>p</i> -Terphenyl	97		40 - 130				09/20/11 13:16	09/21/11 02:58	1

**Client Sample ID: W-1-6**  
**Date Collected: 09/20/11 09:02**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-4**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.2		0.99		mg/Kg		09/20/11 13:16	09/21/11 03:22	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		09/20/11 13:16	09/21/11 03:22	1
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>p</i> -Terphenyl	90		40 - 130				09/20/11 13:16	09/21/11 03:22	1

**Client Sample ID: B-1-9**  
**Date Collected: 09/20/11 08:55**  
**Date Received: 09/20/11 11:07**

**Lab Sample ID: 720-37552-5**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.3		0.99		mg/Kg		09/20/11 13:16	09/21/11 03:45	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		09/20/11 13:16	09/21/11 03:45	1
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>p</i> -Terphenyl	105		40 - 130				09/20/11 13:16	09/21/11 03:45	1

# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: IDW-1  
Date Collected: 09/20/11 08:40  
Date Received: 09/20/11 11:07

Lab Sample ID: 720-37552-6  
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	600		4.9		mg/Kg		09/20/11 13:16	09/21/11 05:43	5
Motor Oil Range Organics [C24-C36]	720		250		mg/Kg		09/20/11 13:16	09/21/11 05:43	5
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	0	D	40 - 130				09/20/11 13:16	09/21/11 05:43	5

# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 6010B - Metals (ICP)

Client Sample ID: IDW-1  
Date Collected: 09/20/11 08:40  
Date Received: 09/20/11 11:07

Lab Sample ID: 720-37552-6  
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
<b>Arsenic</b>	<b>5.2</b>		3.8		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
<b>Barium</b>	<b>170</b>		1.9		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
Beryllium	ND		0.38		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
Cadmium	ND		0.48		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
<b>Chromium</b>	<b>63</b>		1.9		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
<b>Cobalt</b>	<b>16</b>		0.77		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
<b>Copper</b>	<b>33</b>		5.8		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
<b>Lead</b>	<b>14</b>		1.9		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
Molybdenum	ND		1.9		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
<b>Nickel</b>	<b>120</b>		1.9		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
Selenium	ND		3.8		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
Silver	ND		0.96		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
Thallium	ND		1.9		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
<b>Vanadium</b>	<b>30</b>		1.9		mg/Kg		09/20/11 14:18	09/20/11 20:21	4
<b>Zinc</b>	<b>74</b>		5.8		mg/Kg		09/20/11 14:18	09/20/11 20:21	4

# Client Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 7471A - Mercury (CVAA)

Client Sample ID: IDW-1  
Date Collected: 09/20/11 08:40  
Date Received: 09/20/11 11:07

Lab Sample ID: 720-37552-6  
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.065		0.0098		mg/Kg		09/20/11 14:35	09/20/11 17:43	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# QC Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS

**Lab Sample ID: MB 720-99342/1-A**

**Matrix: Solid**

**Analysis Batch: 99330**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 99342**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Acetone	ND		49		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Benzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Dichlorobromomethane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Bromobenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Chlorobromomethane	ND		20		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Bromoform	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Bromomethane	ND		9.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
2-Butanone (MEK)	ND		49		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
n-Butylbenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
sec-Butylbenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
tert-Butylbenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Carbon disulfide	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Carbon tetrachloride	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Chlorobenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Chloroethane	ND		9.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Chloroform	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Chloromethane	ND		9.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
2-Chlorotoluene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
4-Chlorotoluene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Chlorodibromomethane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,3-Dichloropropane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,1-Dichloropropene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,2-Dibromo-3-Chloropropane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Ethylene Dibromide	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Dibromomethane	ND		9.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Dichlorodifluoromethane	ND		9.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,1-Dichloroethane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,2-Dichloroethane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,1-Dichloroethene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,2-Dichloropropane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Ethylbenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Hexachlorobutadiene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
2-Hexanone	ND		49		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Isopropylbenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
4-Isopropyltoluene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Methylene Chloride	ND		9.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Naphthalene	ND		9.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
N-Propylbenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Styrene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1

# QC Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: MB 720-99342/1-A**

**Matrix: Solid**

**Analysis Batch: 99330**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 99342**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Tetrachloroethene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Toluene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Trichloroethene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Trichlorofluoromethane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Vinyl acetate	ND		49		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Vinyl chloride	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Xylenes, Total	ND		9.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/20/11 09:15	09/20/11 09:59	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		09/20/11 09:15	09/20/11 09:59	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
4-Bromofluorobenzene	99		45 - 131	09/20/11 09:15	09/20/11 09:59	1
1,2-Dichloroethane-d4 (Surr)	107		60 - 140	09/20/11 09:15	09/20/11 09:59	1
Toluene-d8 (Surr)	99		58 - 140	09/20/11 09:15	09/20/11 09:59	1

**Lab Sample ID: LCS 720-99342/2-A**

**Matrix: Solid**

**Analysis Batch: 99330**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 99342**

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Methyl tert-butyl ether	49.5	49.9		ug/Kg		101	71 - 144
Acetone	248	237		ug/Kg		96	30 - 162
Benzene	49.5	46.5		ug/Kg		94	82 - 124
Dichlorobromomethane	49.5	50.5		ug/Kg		102	86 - 131
Bromobenzene	49.5	46.1		ug/Kg		93	88 - 120
Chlorobromomethane	49.5	49.1		ug/Kg		99	81 - 116
Bromoform	49.5	55.4		ug/Kg		112	59 - 158
Bromomethane	49.5	44.0		ug/Kg		89	59 - 132
2-Butanone (MEK)	248	274		ug/Kg		111	61 - 150
n-Butylbenzene	49.5	52.5		ug/Kg		106	80 - 142
sec-Butylbenzene	49.5	49.5		ug/Kg		100	85 - 136
tert-Butylbenzene	49.5	48.7		ug/Kg		98	71 - 130
Carbon disulfide	49.5	44.2		ug/Kg		89	60 - 136
Carbon tetrachloride	49.5	51.3		ug/Kg		104	81 - 138
Chlorobenzene	49.5	48.1		ug/Kg		97	87 - 113
Chloroethane	49.5	46.7		ug/Kg		94	65 - 126
Chloroform	49.5	47.3		ug/Kg		96	77 - 127
Chloromethane	49.5	41.8		ug/Kg		84	60 - 149
2-Chlorotoluene	49.5	48.1		ug/Kg		97	80 - 138
4-Chlorotoluene	49.5	47.7		ug/Kg		96	79 - 136

# QC Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: LCS 720-99342/2-A**

**Matrix: Solid**

**Analysis Batch: 99330**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 99342**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.
							Limits
Chlorodibromomethane	49.5	53.3		ug/Kg		108	75 - 146
1,2-Dichlorobenzene	49.5	47.1		ug/Kg		95	84 - 130
1,3-Dichlorobenzene	49.5	47.7		ug/Kg		96	84 - 131
1,4-Dichlorobenzene	49.5	47.5		ug/Kg		96	85 - 125
1,3-Dichloropropane	49.5	50.7		ug/Kg		102	79 - 140
1,1-Dichloropropene	49.5	49.7		ug/Kg		100	70 - 130
1,2-Dibromo-3-Chloropropane	49.5	56.6		ug/Kg		114	68 - 145
Ethylene Dibromide	49.5	54.7		ug/Kg		110	79 - 140
Dibromomethane	49.5	51.5		ug/Kg		104	80 - 139
Dichlorodifluoromethane	49.5	40.4		ug/Kg		82	37 - 158
1,1-Dichloroethane	49.5	46.1		ug/Kg		93	85 - 124
1,2-Dichloroethane	49.5	48.9		ug/Kg		99	72 - 130
1,1-Dichloroethene	49.5	44.0		ug/Kg		89	76 - 122
cis-1,2-Dichloroethene	49.5	54.3		ug/Kg		110	87 - 138
trans-1,2-Dichloroethene	49.5	40.8		ug/Kg		82	67 - 108
1,2-Dichloropropane	49.5	46.5		ug/Kg		94	73 - 127
cis-1,3-Dichloropropene	49.5	51.3		ug/Kg		104	68 - 147
trans-1,3-Dichloropropene	49.5	55.8		ug/Kg		113	84 - 136
Ethylbenzene	49.5	48.9		ug/Kg		99	80 - 137
Hexachlorobutadiene	49.5	49.3		ug/Kg		100	72 - 132
2-Hexanone	248	290		ug/Kg		117	60 - 161
Isopropylbenzene	49.5	52.5		ug/Kg		106	88 - 128
4-Isopropyltoluene	49.5	49.9		ug/Kg		101	85 - 133
Methylene Chloride	49.5	44.4		ug/Kg		90	72 - 134
4-Methyl-2-pentanone (MIBK)	248	279		ug/Kg		113	69 - 160
Naphthalene	49.5	54.3		ug/Kg		110	70 - 147
N-Propylbenzene	49.5	46.7		ug/Kg		94	72 - 125
Styrene	49.5	50.9		ug/Kg		103	89 - 126
1,1,1,2-Tetrachloroethane	49.5	49.3		ug/Kg		100	90 - 130
1,1,1,2,2-Tetrachloroethane	49.5	49.7		ug/Kg		100	82 - 146
Tetrachloroethene	49.5	50.9		ug/Kg		103	78 - 132
Toluene	49.5	48.1		ug/Kg		97	83 - 128
1,2,3-Trichlorobenzene	49.5	51.7		ug/Kg		104	82 - 135
1,2,4-Trichlorobenzene	49.5	49.7		ug/Kg		100	70 - 131
1,1,1-Trichloroethane	49.5	50.1		ug/Kg		101	80 - 127
1,1,2-Trichloroethane	49.5	50.3		ug/Kg		102	82 - 125
Trichloroethene	49.5	48.9		ug/Kg		99	81 - 133
Trichlorofluoromethane	49.5	48.1		ug/Kg		97	71 - 139
1,2,3-Trichloropropane	49.5	52.5		ug/Kg		106	76 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	49.5	49.7		ug/Kg		100	70 - 130
1,2,4-Trimethylbenzene	49.5	47.9		ug/Kg		97	84 - 130
1,3,5-Trimethylbenzene	49.5	48.9		ug/Kg		99	82 - 131
Vinyl acetate	49.5	55.6		ug/Kg		112	38 - 176
Vinyl chloride	49.5	43.4		ug/Kg		88	58 - 125
m-Xylene & p-Xylene	99.0	101		ug/Kg		102	79 - 146
o-Xylene	49.5	50.9		ug/Kg		103	84 - 140
2,2-Dichloropropane	49.5	55.6		ug/Kg		112	73 - 162

# QC Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: LCS 720-99342/2-A**  
**Matrix: Solid**  
**Analysis Batch: 99330**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 99342**

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	103		45 - 131
1,2-Dichloroethane-d4 (Surr)	103		60 - 140
Toluene-d8 (Surr)	101		58 - 140

**Lab Sample ID: LCS 720-99342/4-A**  
**Matrix: Solid**  
**Analysis Batch: 99330**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 99342**

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Gasoline Range Organics (GRO) -C5-C12	1000	948		ug/Kg		95	61 - 128

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	102		45 - 131
1,2-Dichloroethane-d4 (Surr)	102		60 - 140
Toluene-d8 (Surr)	100		58 - 140

**Lab Sample ID: LCSD 720-99342/3-A**  
**Matrix: Solid**  
**Analysis Batch: 99330**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 99342**

Analyte	Spike Added	LCSD LCSD		Unit	D	% Rec	% Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
Methyl tert-butyl ether	50.0	45.2		ug/Kg		90	71 - 144	10	20
Acetone	250	199		ug/Kg		80	30 - 162	17	30
Benzene	50.0	47.2		ug/Kg		94	82 - 124	1	20
Dichlorobromomethane	50.0	49.2		ug/Kg		98	86 - 131	3	20
Bromobenzene	50.0	47.2		ug/Kg		94	88 - 120	2	20
Chlorobromomethane	50.0	47.4		ug/Kg		95	81 - 116	4	20
Bromoform	50.0	51.8		ug/Kg		104	59 - 158	7	20
Bromomethane	50.0	45.8		ug/Kg		92	59 - 132	4	20
2-Butanone (MEK)	250	232		ug/Kg		93	61 - 150	17	20
n-Butylbenzene	50.0	55.2		ug/Kg		110	80 - 142	5	20
sec-Butylbenzene	50.0	53.4		ug/Kg		107	85 - 136	8	20
tert-Butylbenzene	50.0	52.4		ug/Kg		105	71 - 130	7	20
Carbon disulfide	50.0	46.0		ug/Kg		92	60 - 136	4	20
Carbon tetrachloride	50.0	53.0		ug/Kg		106	81 - 138	3	20
Chlorobenzene	50.0	49.2		ug/Kg		98	87 - 113	2	20
Chloroethane	50.0	48.4		ug/Kg		97	65 - 126	4	20
Chloroform	50.0	47.4		ug/Kg		95	77 - 127	0	20
Chloromethane	50.0	44.2		ug/Kg		88	60 - 149	6	20
2-Chlorotoluene	50.0	50.4		ug/Kg		101	80 - 138	5	20
4-Chlorotoluene	50.0	49.8		ug/Kg		100	79 - 136	4	20
Chlorodibromomethane	50.0	49.8		ug/Kg		100	75 - 146	7	20
1,2-Dichlorobenzene	50.0	47.6		ug/Kg		95	84 - 130	1	20
1,3-Dichlorobenzene	50.0	49.4		ug/Kg		99	84 - 131	3	20
1,4-Dichlorobenzene	50.0	48.6		ug/Kg		97	85 - 125	2	20
1,3-Dichloropropane	50.0	48.2		ug/Kg		96	79 - 140	5	20
1,1-Dichloropropene	50.0	51.4		ug/Kg		103	70 - 130	3	20
1,2-Dibromo-3-Chloropropane	50.0	50.6		ug/Kg		101	68 - 145	11	20



# QC Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-99342/3-A

Matrix: Solid

Analysis Batch: 99330

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99342

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	Limit
							Limits	RPD		
Ethylene Dibromide	50.0	50.0		ug/Kg		100	79 - 140	9	20	
Dibromomethane	50.0	48.0		ug/Kg		96	80 - 139	7	20	
Dichlorodifluoromethane	50.0	41.2		ug/Kg		82	37 - 158	2	20	
1,1-Dichloroethane	50.0	47.2		ug/Kg		94	85 - 124	2	20	
1,2-Dichloroethane	50.0	46.4		ug/Kg		93	72 - 130	5	20	
1,1-Dichloroethene	50.0	46.4		ug/Kg		93	76 - 122	5	20	
cis-1,2-Dichloroethene	50.0	54.6		ug/Kg		109	87 - 138	1	20	
trans-1,2-Dichloroethene	50.0	42.0		ug/Kg		84	67 - 108	3	20	
1,2-Dichloropropane	50.0	46.0		ug/Kg		92	73 - 127	1	20	
cis-1,3-Dichloropropene	50.0	49.6		ug/Kg		99	68 - 147	3	20	
trans-1,3-Dichloropropene	50.0	52.2		ug/Kg		104	84 - 136	7	20	
Ethylbenzene	50.0	50.8		ug/Kg		102	80 - 137	4	20	
Hexachlorobutadiene	50.0	51.8		ug/Kg		104	72 - 132	5	20	
2-Hexanone	250	239		ug/Kg		96	60 - 161	19	20	
Isopropylbenzene	50.0	54.8		ug/Kg		110	88 - 128	4	20	
4-Isopropyltoluene	50.0	52.8		ug/Kg		106	85 - 133	6	20	
Methylene Chloride	50.0	45.0		ug/Kg		90	72 - 134	1	20	
4-Methyl-2-pentanone (MIBK)	250	235		ug/Kg		94	69 - 160	17	20	
Naphthalene	50.0	51.2		ug/Kg		102	70 - 147	6	20	
N-Propylbenzene	50.0	49.8		ug/Kg		100	72 - 125	6	20	
Styrene	50.0	52.0		ug/Kg		104	89 - 126	2	20	
1,1,1,2-Tetrachloroethane	50.0	49.8		ug/Kg		100	90 - 130	1	20	
1,1,1,2,2-Tetrachloroethane	50.0	46.8		ug/Kg		94	82 - 146	6	20	
Tetrachloroethene	50.0	52.0		ug/Kg		104	78 - 132	2	20	
Toluene	50.0	49.6		ug/Kg		99	83 - 128	3	20	
1,2,3-Trichlorobenzene	50.0	50.2		ug/Kg		100	82 - 135	3	20	
1,2,4-Trichlorobenzene	50.0	48.4		ug/Kg		97	70 - 131	3	20	
1,1,1-Trichloroethane	50.0	51.8		ug/Kg		104	80 - 127	3	20	
1,1,2-Trichloroethane	50.0	46.6		ug/Kg		93	82 - 125	8	20	
Trichloroethene	50.0	50.0		ug/Kg		100	81 - 133	2	20	
Trichlorofluoromethane	50.0	50.0		ug/Kg		100	71 - 139	4	20	
1,2,3-Trichloropropane	50.0	49.4		ug/Kg		99	76 - 146	6	20	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.0		ug/Kg		102	70 - 130	3	20	
1,2,4-Trimethylbenzene	50.0	50.4		ug/Kg		101	84 - 130	5	20	
1,3,5-Trimethylbenzene	50.0	52.0		ug/Kg		104	82 - 131	6	20	
Vinyl acetate	50.0	ND		ug/Kg		100	38 - 176	11	20	
Vinyl chloride	50.0	46.8		ug/Kg		94	58 - 125	8	20	
m-Xylene & p-Xylene	100	104		ug/Kg		104	79 - 146	3	20	
o-Xylene	50.0	52.0		ug/Kg		104	84 - 140	2	20	
2,2-Dichloropropane	50.0	57.4		ug/Kg		115	73 - 162	3	20	

Surrogate	LCSD LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	102		45 - 131
1,2-Dichloroethane-d4 (Surr)	94		60 - 140
Toluene-d8 (Surr)	100		58 - 140

# QC Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: LCSD 720-99342/5-A**

**Matrix: Solid**

**Analysis Batch: 99330**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 99342**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	992	911		ug/Kg		92	61 - 128	4	20

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	104		45 - 131
1,2-Dichloroethane-d4 (Surr)	105		60 - 140
Toluene-d8 (Surr)	102		58 - 140

**Lab Sample ID: 720-37552-2 MS**

**Matrix: Solid**

**Analysis Batch: 99330**

**Client Sample ID: E-1-6**

**Prep Type: Total/NA**

**Prep Batch: 99342**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Methyl tert-butyl ether	ND		45.7	43.5		ug/Kg		95	69 - 130
Acetone	ND		229	196		ug/Kg		86	37 - 150
Benzene	ND		45.7	43.5		ug/Kg		95	70 - 130
Dichlorobromomethane	ND		45.7	47.5		ug/Kg		104	64 - 135
Bromobenzene	ND		45.7	46.3		ug/Kg		101	70 - 130
Chlorobromomethane	ND		45.7	45.0		ug/Kg		98	65 - 130
Bromoform	ND		45.7	49.4		ug/Kg		108	58 - 132
Bromomethane	ND		45.7	41.5		ug/Kg		91	56 - 130
2-Butanone (MEK)	ND		229	200		ug/Kg		88	41 - 150
n-Butylbenzene	ND		45.7	49.4		ug/Kg		108	60 - 145
sec-Butylbenzene	ND		45.7	49.2		ug/Kg		108	64 - 137
tert-Butylbenzene	ND		45.7	49.7		ug/Kg		109	63 - 134
Carbon disulfide	ND		45.7	38.9		ug/Kg		85	10 - 150
Carbon tetrachloride	ND		45.7	47.5		ug/Kg		104	54 - 130
Chlorobenzene	ND		45.7	45.5		ug/Kg		100	70 - 130
Chloroethane	ND		45.7	43.1		ug/Kg		94	61 - 130
Chloroform	ND		45.7	44.8		ug/Kg		98	67 - 130
Chloromethane	ND		45.7	37.1		ug/Kg		81	50 - 131
2-Chlorotoluene	ND		45.7	47.9		ug/Kg		105	70 - 130
4-Chlorotoluene	ND		45.7	46.8		ug/Kg		102	70 - 130
Chlorodibromomethane	ND		45.7	48.4		ug/Kg		106	60 - 141
1,2-Dichlorobenzene	ND		45.7	45.2		ug/Kg		99	70 - 130
1,3-Dichlorobenzene	ND		45.7	45.9		ug/Kg		100	70 - 130
1,4-Dichlorobenzene	ND		45.7	45.3		ug/Kg		99	70 - 130
1,3-Dichloropropane	ND		45.7	46.1		ug/Kg		101	70 - 130
1,1-Dichloropropene	ND		45.7	44.8		ug/Kg		98	67 - 130
1,2-Dibromo-3-Chloropropane	ND		45.7	48.1		ug/Kg		105	57 - 130
Ethylene Dibromide	ND		45.7	47.5		ug/Kg		104	66 - 135
Dibromomethane	ND		45.7	46.4		ug/Kg		102	65 - 131
Dichlorodifluoromethane	ND		45.7	34.0		ug/Kg		74	38 - 130
1,1-Dichloroethane	ND		45.7	43.0		ug/Kg		94	67 - 130
1,2-Dichloroethane	ND		45.7	45.2		ug/Kg		99	70 - 130
1,1-Dichloroethene	ND		45.7	39.7		ug/Kg		87	64 - 130
cis-1,2-Dichloroethene	ND		45.7	50.3		ug/Kg		110	68 - 131
trans-1,2-Dichloroethene	ND		45.7	37.1		ug/Kg		81	70 - 130
1,2-Dichloropropane	ND		45.7	43.1		ug/Kg		94	65 - 133

# QC Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: 720-37552-2 MS**

**Matrix: Solid**

**Analysis Batch: 99330**

**Client Sample ID: E-1-6**

**Prep Type: Total/NA**

**Prep Batch: 99342**

Analyte	Sample	Sample	Spike	MS MS		Unit	D	% Rec	% Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
cis-1,3-Dichloropropene	ND		45.7	46.6		ug/Kg		102	46 - 139	
trans-1,3-Dichloropropene	ND		45.7	49.0		ug/Kg		107	55 - 131	
Ethylbenzene	ND		45.7	46.1		ug/Kg		101	65 - 130	
Hexachlorobutadiene	ND		45.7	46.6		ug/Kg		102	58 - 132	
2-Hexanone	ND		229	220		ug/Kg		96	44 - 150	
Isopropylbenzene	ND		45.7	49.4		ug/Kg		108	65 - 130	
4-Isopropyltoluene	ND		45.7	49.2		ug/Kg		108	69 - 134	
Methylene Chloride	ND		45.7	43.3		ug/Kg		88	63 - 130	
4-Methyl-2-pentanone (MIBK)	ND		229	222		ug/Kg		97	51 - 140	
Naphthalene	ND		45.7	42.6		ug/Kg		93	45 - 146	
N-Propylbenzene	ND		45.7	45.9		ug/Kg		100	70 - 130	
Styrene	ND		45.7	47.5		ug/Kg		104	58 - 135	
1,1,1,2-Tetrachloroethane	ND		45.7	48.1		ug/Kg		105	64 - 133	
1,1,1,2-Tetrachloroethane	ND		45.7	45.0		ug/Kg		98	70 - 131	
Tetrachloroethene	ND		45.7	46.6		ug/Kg		102	67 - 130	
Toluene	ND		45.7	45.3		ug/Kg		99	70 - 130	
1,2,3-Trichlorobenzene	ND		45.7	42.4		ug/Kg		93	58 - 138	
1,2,4-Trichlorobenzene	ND		45.7	41.0		ug/Kg		90	49 - 144	
1,1,1-Trichloroethane	ND		45.7	47.0		ug/Kg		103	57 - 133	
1,1,2-Trichloroethane	ND		45.7	44.4		ug/Kg		97	68 - 132	
Trichloroethene	ND		45.7	45.7		ug/Kg		100	66 - 130	
Trichlorofluoromethane	ND		45.7	44.1		ug/Kg		96	61 - 130	
1,2,3-Trichloropropane	ND		45.7	48.3		ug/Kg		106	62 - 150	
1,1,2-Trichloro-1,1,2-trifluoroethane	ND		45.7	43.9		ug/Kg		96	52 - 130	
1,2,4-Trimethylbenzene	ND		45.7	47.9		ug/Kg		105	64 - 140	
1,3,5-Trimethylbenzene	ND		45.7	49.2		ug/Kg		108	67 - 134	
Vinyl acetate	ND		45.7	ND	F	ug/Kg		40	52 - 150	
Vinyl chloride	ND		45.7	39.3		ug/Kg		86	62 - 130	
m-Xylene & p-Xylene	ND		91.4	95.8		ug/Kg		105	70 - 130	
o-Xylene	ND		45.7	48.8		ug/Kg		107	68 - 130	
2,2-Dichloropropane	ND		45.7	49.2		ug/Kg		108	63 - 130	

Surrogate	MS MS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	100		58 - 140

**Lab Sample ID: 720-37552-2 MSD**

**Matrix: Solid**

**Analysis Batch: 99330**

**Client Sample ID: E-1-6**

**Prep Type: Total/NA**

**Prep Batch: 99342**

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits		
Methyl tert-butyl ether	ND		47.9	47.1		ug/Kg		98	69 - 130	8	20	
Acetone	ND		239	232		ug/Kg		97	37 - 150	17	20	
Benzene	ND		47.9	46.7		ug/Kg		98	70 - 130	7	20	
Dichlorobromomethane	ND		47.9	50.6		ug/Kg		106	64 - 135	6	20	
Bromobenzene	ND		47.9	49.8		ug/Kg		104	70 - 130	7	20	
Chlorobromomethane	ND		47.9	48.5		ug/Kg		101	65 - 130	7	20	
Bromoform	ND		47.9	54.0		ug/Kg		113	58 - 132	9	20	

# QC Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: 720-37552-2 MSD**

**Matrix: Solid**

**Analysis Batch: 99330**

**Client Sample ID: E-1-6**

**Prep Type: Total/NA**

**Prep Batch: 99342**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Bromomethane	ND		47.9	45.4		ug/Kg		95	56 - 130	9	20	
2-Butanone (MEK)	ND		239	221		ug/Kg		92	41 - 150	10	20	
n-Butylbenzene	ND		47.9	52.5		ug/Kg		110	60 - 145	6	20	
sec-Butylbenzene	ND		47.9	53.1		ug/Kg		111	64 - 137	8	20	
tert-Butylbenzene	ND		47.9	54.0		ug/Kg		113	63 - 134	8	20	
Carbon disulfide	ND		47.9	42.0		ug/Kg		88	10 - 150	7	20	
Carbon tetrachloride	ND		47.9	51.5		ug/Kg		108	54 - 130	8	20	
Chlorobenzene	ND		47.9	48.7		ug/Kg		102	70 - 130	7	20	
Chloroethane	ND		47.9	46.6		ug/Kg		97	61 - 130	8	20	
Chloroform	ND		47.9	48.1		ug/Kg		100	67 - 130	7	20	
Chloromethane	ND		47.9	41.2		ug/Kg		86	50 - 131	10	20	
2-Chlorotoluene	ND		47.9	51.9		ug/Kg		108	70 - 130	8	20	
4-Chlorotoluene	ND		47.9	50.8		ug/Kg		106	70 - 130	8	20	
Chlorodibromomethane	ND		47.9	52.3		ug/Kg		109	60 - 141	8	20	
1,2-Dichlorobenzene	ND		47.9	48.9		ug/Kg		102	70 - 130	8	20	
1,3-Dichlorobenzene	ND		47.9	49.4		ug/Kg		103	70 - 130	7	20	
1,4-Dichlorobenzene	ND		47.9	48.9		ug/Kg		102	70 - 130	7	20	
1,3-Dichloropropane	ND		47.9	49.4		ug/Kg		103	70 - 130	7	20	
1,1-Dichloropropene	ND		47.9	48.3		ug/Kg		101	67 - 130	7	20	
1,2-Dibromo-3-Chloropropane	ND		47.9	53.6		ug/Kg		112	57 - 130	11	20	
Ethylene Dibromide	ND		47.9	51.3		ug/Kg		107	66 - 135	8	20	
Dibromomethane	ND		47.9	49.4		ug/Kg		103	65 - 131	6	20	
Dichlorodifluoromethane	ND		47.9	35.8		ug/Kg		75	38 - 130	5	20	
1,1-Dichloroethane	ND		47.9	45.6		ug/Kg		95	67 - 130	6	20	
1,2-Dichloroethane	ND		47.9	48.1		ug/Kg		100	70 - 130	6	20	
1,1-Dichloroethene	ND		47.9	43.1		ug/Kg		90	64 - 130	8	20	
cis-1,2-Dichloroethene	ND		47.9	54.0		ug/Kg		113	68 - 131	7	20	
trans-1,2-Dichloroethene	ND		47.9	40.2		ug/Kg		84	70 - 130	8	20	
1,2-Dichloropropane	ND		47.9	46.6		ug/Kg		97	65 - 133	8	20	
cis-1,3-Dichloropropene	ND		47.9	49.8		ug/Kg		104	46 - 139	7	20	
trans-1,3-Dichloropropene	ND		47.9	52.7		ug/Kg		110	55 - 131	7	20	
Ethylbenzene	ND		47.9	49.2		ug/Kg		103	65 - 130	7	20	
Hexachlorobutadiene	ND		47.9	49.2		ug/Kg		103	58 - 132	5	20	
2-Hexanone	ND		239	240		ug/Kg		100	44 - 150	9	20	
Isopropylbenzene	ND		47.9	52.7		ug/Kg		110	65 - 130	7	20	
4-Isopropyltoluene	ND		47.9	53.1		ug/Kg		111	69 - 134	8	20	
Methylene Chloride	ND		47.9	46.9		ug/Kg		92	63 - 130	8	20	
4-Methyl-2-pentanone (MIBK)	ND		239	239		ug/Kg		100	51 - 140	8	20	
Naphthalene	ND		47.9	47.3		ug/Kg		99	45 - 146	11	20	
N-Propylbenzene	ND		47.9	49.8		ug/Kg		104	70 - 130	8	20	
Styrene	ND		47.9	50.8		ug/Kg		106	58 - 135	7	20	
1,1,1,2-Tetrachloroethane	ND		47.9	51.0		ug/Kg		106	64 - 133	6	20	
1,1,1,2,2-Tetrachloroethane	ND		47.9	49.6		ug/Kg		104	70 - 131	10	20	
Tetrachloroethene	ND		47.9	49.4		ug/Kg		103	67 - 130	6	20	
Toluene	ND		47.9	49.0		ug/Kg		102	70 - 130	8	20	
1,2,3-Trichlorobenzene	ND		47.9	45.8		ug/Kg		96	58 - 138	8	20	
1,2,4-Trichlorobenzene	ND		47.9	43.9		ug/Kg		92	49 - 144	7	20	
1,1,1-Trichloroethane	ND		47.9	50.4		ug/Kg		105	57 - 133	7	20	
1,1,2-Trichloroethane	ND		47.9	47.9		ug/Kg		100	68 - 132	8	20	
Trichloroethene	ND		47.9	48.7		ug/Kg		102	66 - 130	6	20	

# QC Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: 720-37552-2 MSD**

**Matrix: Solid**

**Analysis Batch: 99330**

**Client Sample ID: E-1-6**

**Prep Type: Total/NA**

**Prep Batch: 99342**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Trichlorofluoromethane	ND		47.9	47.5		ug/Kg		99	61 - 130	8	20	
1,2,3-Trichloropropane	ND		47.9	53.3		ug/Kg		111	62 - 150	10	20	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		47.9	47.9		ug/Kg		100	52 - 130	9	20	
1,2,4-Trimethylbenzene	ND		47.9	51.3		ug/Kg		107	64 - 140	7	20	
1,3,5-Trimethylbenzene	ND		47.9	53.3		ug/Kg		111	67 - 134	8	20	
Vinyl acetate	ND		47.9	ND	F	ug/Kg		46	52 - 150	19	20	
Vinyl chloride	ND		47.9	43.5		ug/Kg		91	62 - 130	10	20	
m-Xylene & p-Xylene	ND		95.8	102		ug/Kg		107	70 - 130	7	20	
o-Xylene	ND		47.9	51.9		ug/Kg		108	68 - 130	6	20	
2,2-Dichloropropane	ND		47.9	54.0		ug/Kg		113	63 - 130	9	20	

Surrogate	MSD	MSD	Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	100		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	100		58 - 140

## Method: 8015B - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 720-99365/1-A**

**Matrix: Solid**

**Analysis Batch: 99344**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 99365**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		09/20/11 13:16	09/21/11 08:04	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		09/20/11 13:16	09/21/11 08:04	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
p-Terphenyl	103		40 - 130	09/20/11 13:16	09/21/11 08:04	1

**Lab Sample ID: LCS 720-99365/2-A**

**Matrix: Solid**

**Analysis Batch: 99344**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 99365**

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	RPD
Diesel Range Organics [C10-C28]	82.3	88.7		mg/Kg		108	50 - 150	

Surrogate	LCS	LCS	Limits
	% Recovery	Qualifier	
p-Terphenyl	125		40 - 130

**Lab Sample ID: LCSD 720-99365/3-A**

**Matrix: Solid**

**Analysis Batch: 99344**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 99365**

Analyte	Spike Added	LCSD	LCSD	Unit	D	% Rec	% Rec.		RPD	Limit
		Result	Qualifier				Limits	RPD		
Diesel Range Organics [C10-C28]	82.7	84.5		mg/Kg		102	50 - 150	5	35	

# QC Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID:** LCSD 720-99365/3-A  
**Matrix:** Solid  
**Analysis Batch:** 99344

**Client Sample ID:** Lab Control Sample Dup  
**Prep Type:** Total/NA  
**Prep Batch:** 99365

Surrogate	LCSD LCSD		Limits
	% Recovery	Qualifier	
p-Terphenyl	124		40 - 130

**Lab Sample ID:** 720-37552-6 MS  
**Matrix:** Solid  
**Analysis Batch:** 99344

**Client Sample ID:** IDW-1  
**Prep Type:** Total/NA  
**Prep Batch:** 99365

Analyte	Sample	Sample	Spike	MS MS		Unit	D	% Rec	% Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Diesel Range Organics [C10-C28]	600		82.5	789	4	mg/Kg		233		50 - 150

Surrogate	MS MS		Limits
	% Recovery	Qualifier	
p-Terphenyl	0	D	40 - 130

**Lab Sample ID:** 720-37552-6 MSD  
**Matrix:** Solid  
**Analysis Batch:** 99344

**Client Sample ID:** IDW-1  
**Prep Type:** Total/NA  
**Prep Batch:** 99365

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	% Rec	% Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						Limit	
Diesel Range Organics [C10-C28]	600		83.1	654	4	mg/Kg		70		50 - 150	19	20

Surrogate	MSD MSD		Limits
	% Recovery	Qualifier	
p-Terphenyl	0	D	40 - 130

## Method: 6010B - Metals (ICP)

**Lab Sample ID:** MB 720-99368/1-A  
**Matrix:** Solid  
**Analysis Batch:** 99403

**Client Sample ID:** Method Blank  
**Prep Type:** Total/NA  
**Prep Batch:** 99368

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		0.50		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Arsenic	ND		1.0		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Barium	ND		0.50		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Beryllium	ND		0.10		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Cadmium	ND		0.13		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Chromium	ND		0.50		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Cobalt	ND		0.20		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Copper	ND		1.5		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Lead	ND		0.50		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Molybdenum	ND		0.50		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Nickel	ND		0.50		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Selenium	ND		1.0		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Silver	ND		0.25		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Thallium	ND		0.50		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Vanadium	ND		0.50		mg/Kg		09/20/11 14:18	09/20/11 20:00	1
Zinc	ND		1.5		mg/Kg		09/20/11 14:18	09/20/11 20:00	1

# QC Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-99368/2-A

Matrix: Solid

Analysis Batch: 99403

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99368

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	RPD
Antimony	50.0	47.1		mg/Kg		94	80 - 120	
Arsenic	50.0	48.6		mg/Kg		97	80 - 120	
Barium	50.0	51.1		mg/Kg		102	80 - 120	
Beryllium	50.0	50.1		mg/Kg		100	80 - 120	
Cadmium	50.0	49.3		mg/Kg		99	80 - 120	
Chromium	50.0	50.1		mg/Kg		100	80 - 120	
Cobalt	50.0	50.1		mg/Kg		100	80 - 120	
Copper	50.0	49.6		mg/Kg		99	80 - 120	
Lead	50.0	49.8		mg/Kg		100	80 - 120	
Molybdenum	50.0	50.5		mg/Kg		101	80 - 120	
Nickel	50.0	49.9		mg/Kg		100	80 - 120	
Selenium	50.0	47.5		mg/Kg		95	80 - 120	
Silver	25.0	24.7		mg/Kg		99	80 - 120	
Thallium	50.0	49.8		mg/Kg		100	80 - 120	
Vanadium	50.0	49.2		mg/Kg		98	80 - 120	
Zinc	50.0	49.1		mg/Kg		98	80 - 120	

Lab Sample ID: LCSD 720-99368/3-A

Matrix: Solid

Analysis Batch: 99403

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99368

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD	
		Result	Qualifier				Limits	RPD	Limit	
Antimony	50.0	47.4		mg/Kg		95	80 - 120	1	20	
Arsenic	50.0	48.3		mg/Kg		97	80 - 120	1	20	
Barium	50.0	50.4		mg/Kg		101	80 - 120	1	20	
Beryllium	50.0	49.5		mg/Kg		99	80 - 120	1	20	
Cadmium	50.0	48.8		mg/Kg		98	80 - 120	1	20	
Chromium	50.0	49.7		mg/Kg		99	80 - 120	1	20	
Cobalt	50.0	49.6		mg/Kg		99	80 - 120	1	20	
Copper	50.0	49.1		mg/Kg		98	80 - 120	1	20	
Lead	50.0	49.2		mg/Kg		98	80 - 120	1	20	
Molybdenum	50.0	50.0		mg/Kg		100	80 - 120	1	20	
Nickel	50.0	49.2		mg/Kg		98	80 - 120	1	20	
Selenium	50.0	47.1		mg/Kg		94	80 - 120	1	20	
Silver	25.0	24.5		mg/Kg		98	80 - 120	1	20	
Thallium	50.0	49.2		mg/Kg		98	80 - 120	1	20	
Vanadium	50.0	48.7		mg/Kg		97	80 - 120	1	20	
Zinc	50.0	48.6		mg/Kg		97	80 - 120	1	20	

Lab Sample ID: LCSSRM 720-99368/7-A

Matrix: Solid

Analysis Batch: 99403

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99368

Analyte	Spike Added	LCSSRM		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	RPD
Antimony	105	61.2		mg/Kg		58	11 - 101	
Arsenic	79.4	74.5		mg/Kg		94	69 - 119	
Barium	391	342		mg/Kg		87	61 - 117	
Beryllium	304	279		mg/Kg		92	56 - 102	
Cadmium	48.3	42.0		mg/Kg		87	67 - 118	
Chromium	171	158		mg/Kg		92	67 - 121	

# QC Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 720-99368/7-A

Matrix: Solid

Analysis Batch: 99403

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99368

Analyte	Spike Added	LCSSRM		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Cobalt	59.2	53.7		mg/Kg		91	64 - 133
Copper	327	307		mg/Kg		94	68 - 126
Lead	181	158		mg/Kg		87	62 - 113
Molybdenum	156	144		mg/Kg		92	62 - 128
Nickel	76.0	66.9		mg/Kg		88	65 - 117
Selenium	76.9	68.9		mg/Kg		90	63 - 126
Silver	29.1	27.4		mg/Kg		94	51 - 130
Thallium	192	164		mg/Kg		85	64 - 124
Vanadium	213	197		mg/Kg		93	67 - 123
Zinc	256	229		mg/Kg		89	62 - 110

Lab Sample ID: 720-37552-6 MS

Matrix: Solid

Analysis Batch: 99403

Client Sample ID: IDW-1

Prep Type: Total/NA

Prep Batch: 99368

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	% Rec	% Rec. Limits
				Result	Qualifier				
Antimony	ND		45.9	17.2	F	mg/Kg		35	75 - 125
Arsenic	5.2		45.9	48.2		mg/Kg		94	75 - 125
Barium	170		45.9	275	F	mg/Kg		219	75 - 125
Beryllium	ND		45.9	45.4		mg/Kg		99	75 - 125
Cadmium	ND		45.9	44.9		mg/Kg		98	75 - 125
Chromium	63		45.9	109		mg/Kg		100	75 - 125
Cobalt	16		45.9	60.9		mg/Kg		99	75 - 125
Copper	33		45.9	75.5		mg/Kg		94	75 - 125
Lead	14		45.9	57.3		mg/Kg		95	75 - 125
Molybdenum	ND		45.9	42.5		mg/Kg		90	75 - 125
Nickel	120		45.9	174		mg/Kg		125	75 - 125
Selenium	ND		45.9	42.8		mg/Kg		93	75 - 125
Silver	ND		22.9	23.1		mg/Kg		101	75 - 125
Thallium	ND		45.9	43.8		mg/Kg		95	75 - 125
Vanadium	30		45.9	73.4		mg/Kg		95	75 - 125
Zinc	74		45.9	113		mg/Kg		85	75 - 125

Lab Sample ID: 720-37552-6 MSD

Matrix: Solid

Analysis Batch: 99403

Client Sample ID: IDW-1

Prep Type: Total/NA

Prep Batch: 99368

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	% Rec	% Rec. Limits	RPD	
				Result	Qualifier					RPD	Limit
Antimony	ND		47.2	18.5	F	mg/Kg		37	75 - 125	7	20
Arsenic	5.2		47.2	51.2		mg/Kg		98	75 - 125	6	20
Barium	170		47.2	247	F	mg/Kg		154	75 - 125	11	20
Beryllium	ND		47.2	48.3		mg/Kg		102	75 - 125	6	20
Cadmium	ND		47.2	47.1		mg/Kg		100	75 - 125	5	20
Chromium	63		47.2	107		mg/Kg		94	75 - 125	2	20
Cobalt	16		47.2	62.2		mg/Kg		99	75 - 125	2	20
Copper	33		47.2	81.2		mg/Kg		103	75 - 125	7	20
Lead	14		47.2	60.7		mg/Kg		99	75 - 125	6	20
Molybdenum	ND		47.2	44.6		mg/Kg		92	75 - 125	5	20
Nickel	120		47.2	161		mg/Kg		94	75 - 125	8	20
Selenium	ND		47.2	44.6		mg/Kg		95	75 - 125	4	20



# QC Sample Results

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 720-37552-6 MSD

Matrix: Solid

Analysis Batch: 99403

Client Sample ID: IDW-1

Prep Type: Total/NA

Prep Batch: 99368

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Silver	ND		23.6	24.6		mg/Kg		104	75 - 125	6	20
Thallium	ND		47.2	46.3		mg/Kg		98	75 - 125	6	20
Vanadium	30		47.2	75.9		mg/Kg		98	75 - 125	3	20
Zinc	74		47.2	109		mg/Kg		75	75 - 125	3	20

## Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-99327/1-A

Matrix: Solid

Analysis Batch: 99394

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 99327

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.010		mg/Kg		09/19/11 21:32	09/20/11 17:12	1

Lab Sample ID: LCS 720-99327/2-A

Matrix: Solid

Analysis Batch: 99394

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99327

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec.
		Result	Qualifier				Limits
Mercury	0.833	0.776		mg/Kg		93	80 - 120

Lab Sample ID: LCSD 720-99327/3-A

Matrix: Solid

Analysis Batch: 99394

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99327

Analyte	Spike	LCSD	LCSD	Unit	D	% Rec	% Rec.	RPD	
		Result	Qualifier				Limits	RPD	Limit
Mercury	0.833	0.803		mg/Kg		96	80 - 120	3	20

# QC Association Summary

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## GC/MS VOA

### Analysis Batch: 99330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37552-1	N-1-6	Total/NA	Solid	8260B/CA_LUFT MS	99342
720-37552-2	E-1-6	Total/NA	Solid	8260B/CA_LUFT MS	99342
720-37552-2 MS	E-1-6	Total/NA	Solid	8260B/CA_LUFT MS	99342
720-37552-2 MSD	E-1-6	Total/NA	Solid	8260B/CA_LUFT MS	99342
720-37552-3	S-1-6	Total/NA	Solid	8260B/CA_LUFT MS	99342
720-37552-4	W-1-6	Total/NA	Solid	8260B/CA_LUFT MS	99342
720-37552-5	B-1-9	Total/NA	Solid	8260B/CA_LUFT MS	99342
720-37552-6	IDW-1	Total/NA	Solid	8260B/CA_LUFT MS	99342
LCS 720-99342/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	99342
LCS 720-99342/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	99342
LCSD 720-99342/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	99342
LCSD 720-99342/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	99342
MB 720-99342/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	99342

### Prep Batch: 99342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37552-1	N-1-6	Total/NA	Solid	5030B	
720-37552-2	E-1-6	Total/NA	Solid	5030B	
720-37552-2 MS	E-1-6	Total/NA	Solid	5030B	
720-37552-2 MSD	E-1-6	Total/NA	Solid	5030B	
720-37552-3	S-1-6	Total/NA	Solid	5030B	
720-37552-4	W-1-6	Total/NA	Solid	5030B	
720-37552-5	B-1-9	Total/NA	Solid	5030B	
720-37552-6	IDW-1	Total/NA	Solid	5030B	
LCS 720-99342/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-99342/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-99342/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-99342/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-99342/1-A	Method Blank	Total/NA	Solid	5030B	

## GC Semi VOA

### Analysis Batch: 99344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37552-1	N-1-6	Total/NA	Solid	8015B	99365
720-37552-2	E-1-6	Total/NA	Solid	8015B	99365
720-37552-3	S-1-6	Total/NA	Solid	8015B	99365
720-37552-4	W-1-6	Total/NA	Solid	8015B	99365
720-37552-5	B-1-9	Total/NA	Solid	8015B	99365
720-37552-6	IDW-1	Total/NA	Solid	8015B	99365
720-37552-6 MS	IDW-1	Total/NA	Solid	8015B	99365
720-37552-6 MSD	IDW-1	Total/NA	Solid	8015B	99365

# QC Association Summary

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## GC Semi VOA (Continued)

### Analysis Batch: 99344 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-99365/2-A	Lab Control Sample	Total/NA	Solid	8015B	99365
LCSD 720-99365/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	99365
MB 720-99365/1-A	Method Blank	Total/NA	Solid	8015B	99365

### Prep Batch: 99365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37552-1	N-1-6	Total/NA	Solid	3546	
720-37552-2	E-1-6	Total/NA	Solid	3546	
720-37552-3	S-1-6	Total/NA	Solid	3546	
720-37552-4	W-1-6	Total/NA	Solid	3546	
720-37552-5	B-1-9	Total/NA	Solid	3546	
720-37552-6	IDW-1	Total/NA	Solid	3546	
720-37552-6 MS	IDW-1	Total/NA	Solid	3546	
720-37552-6 MSD	IDW-1	Total/NA	Solid	3546	
LCS 720-99365/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-99365/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-99365/1-A	Method Blank	Total/NA	Solid	3546	

## Metals

### Prep Batch: 99327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37552-6	IDW-1	Total/NA	Solid	7471A	
LCS 720-99327/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-99327/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-99327/1-A	Method Blank	Total/NA	Solid	7471A	

### Prep Batch: 99368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37552-6	IDW-1	Total/NA	Solid	3050B	
720-37552-6 MS	IDW-1	Total/NA	Solid	3050B	
720-37552-6 MSD	IDW-1	Total/NA	Solid	3050B	
LCS 720-99368/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-99368/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-99368/7-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-99368/1-A	Method Blank	Total/NA	Solid	3050B	

### Analysis Batch: 99394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37552-6	IDW-1	Total/NA	Solid	7471A	99327
LCS 720-99327/2-A	Lab Control Sample	Total/NA	Solid	7471A	99327
LCSD 720-99327/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	99327
MB 720-99327/1-A	Method Blank	Total/NA	Solid	7471A	99327

### Analysis Batch: 99403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37552-6	IDW-1	Total/NA	Solid	6010B	99368
720-37552-6 MS	IDW-1	Total/NA	Solid	6010B	99368
720-37552-6 MSD	IDW-1	Total/NA	Solid	6010B	99368
LCS 720-99368/2-A	Lab Control Sample	Total/NA	Solid	6010B	99368
LCSD 720-99368/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	99368
LCSSRM 720-99368/7-A	Lab Control Sample	Total/NA	Solid	6010B	99368



# QC Association Summary

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Metals (Continued)

### Analysis Batch: 99403 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-99368/1-A	Method Blank	Total/NA	Solid	6010B	99368

- 1
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# Lab Chronicle

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

## Client Sample ID: N-1-6

Date Collected: 09/20/11 09:04

Date Received: 09/20/11 11:07

## Lab Sample ID: 720-37552-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			99342	09/20/11 11:15	JZ	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	99330	09/20/11 15:12	LL	TAL SF
Total/NA	Prep	3546			99365	09/20/11 13:16	NP	TAL SF
Total/NA	Analysis	8015B		1	99344	09/21/11 02:12	DH	TAL SF

## Client Sample ID: E-1-6

Date Collected: 09/20/11 08:58

Date Received: 09/20/11 11:07

## Lab Sample ID: 720-37552-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			99342	09/20/11 11:15	JZ	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	99330	09/20/11 15:41	LL	TAL SF
Total/NA	Prep	3546			99365	09/20/11 13:16	NP	TAL SF
Total/NA	Analysis	8015B		1	99344	09/21/11 02:35	DH	TAL SF

## Client Sample ID: S-1-6

Date Collected: 09/20/11 09:00

Date Received: 09/20/11 11:07

## Lab Sample ID: 720-37552-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			99342	09/20/11 11:15	JZ	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	99330	09/20/11 16:10	LL	TAL SF
Total/NA	Prep	3546			99365	09/20/11 13:16	NP	TAL SF
Total/NA	Analysis	8015B		1	99344	09/21/11 02:58	DH	TAL SF

## Client Sample ID: W-1-6

Date Collected: 09/20/11 09:02

Date Received: 09/20/11 11:07

## Lab Sample ID: 720-37552-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			99342	09/20/11 11:15	JZ	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	99330	09/20/11 16:38	LL	TAL SF
Total/NA	Prep	3546			99365	09/20/11 13:16	NP	TAL SF
Total/NA	Analysis	8015B		1	99344	09/21/11 03:22	DH	TAL SF

## Client Sample ID: B-1-9

Date Collected: 09/20/11 08:55

Date Received: 09/20/11 11:07

## Lab Sample ID: 720-37552-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			99342	09/20/11 11:15	JZ	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	99330	09/20/11 17:07	LL	TAL SF
Total/NA	Prep	3546			99365	09/20/11 13:16	NP	TAL SF
Total/NA	Analysis	8015B		1	99344	09/21/11 03:45	DH	TAL SF



# Lab Chronicle

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

**Client Sample ID: IDW-1**

**Lab Sample ID: 720-37552-6**

**Date Collected: 09/20/11 08:40**

**Matrix: Solid**

**Date Received: 09/20/11 11:07**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			99342	09/20/11 11:15	JZ	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	99330	09/20/11 19:03	LL	TAL SF
Total/NA	Prep	3546			99365	09/20/11 13:16	NP	TAL SF
Total/NA	Analysis	8015B		5	99344	09/21/11 05:43	DH	TAL SF
Total/NA	Prep	7471A			99327	09/20/11 14:35	SK	TAL SF
Total/NA	Analysis	7471A		1	99394	09/20/11 17:43	BA	TAL SF
Total/NA	Prep	3050B			99368	09/20/11 14:18	SK	TAL SF
Total/NA	Analysis	6010B		4	99403	09/20/11 20:21	BA	TAL SF

**Laboratory References:**

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



# Certification Summary

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

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Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica San Francisco	California	State Program	9	2496

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Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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# Method Summary

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF
6010B	Metals (ICP)	SW846	TAL SF
7471A	Mercury (CVAA)	SW846	TAL SF

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919





# Sample Summary

Client: AECOM, Inc.  
Project/Site: Goodyear Tire

TestAmerica Job ID: 720-37552-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-37552-1	N-1-6	Solid	09/20/11 09:04	09/20/11 11:07
720-37552-2	E-1-6	Solid	09/20/11 08:58	09/20/11 11:07
720-37552-3	S-1-6	Solid	09/20/11 09:00	09/20/11 11:07
720-37552-4	W-1-6	Solid	09/20/11 09:02	09/20/11 11:07
720-37552-5	B-1-9	Solid	09/20/11 08:55	09/20/11 11:07
720-37552-6	IDW-1	Solid	09/20/11 08:40	09/20/11 11:07

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## Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 720-37552-1

**Login Number: 37552**

**List Source: TestAmerica San Francisco**

**List Number: 1**

**Creator: Mullen, Joan**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



Attachment D  
Disposal Manifests

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Use or disclosure of data contained on this sheet is subject to the restriction on the first page of this document.



NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

CUSTOMER/BILLING INFORMATION

Generator Name: GOODYEAR TIRE Billing Name: ICS-NORCAL  
 Address: 1485 1ST STREET Address: 4721 TIDEWATER AVE, SUITE D  
 City: LIVERMORE County: \_\_\_\_\_ City: OAKLAND County: \_\_\_\_\_  
 State: CA Zip: \_\_\_\_\_ State: CA Zip: 94601  
 Site Location (if different): 1485 1ST STREET, LIVERMORE

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
3850116452	CONTAMINATED SOIL-ADC	30/TONS	4/30/2012	Bin 1

\*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Certified Tire / Livermore Tim Helgeson 10/14/2011  
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: Finnta Eut DOT# \_\_\_\_\_  
 Transporter Address: \_\_\_\_\_ Truck Number: # 36  
Byron CA Phone Number: \_\_\_\_\_

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

ARS ALDANA [Signature] 10/14/11  
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: VASCO ROAD LANDFILL Phone No. 925 447 0491  
 Site Address: 4001 VASCO ROAD LIVERMORE, CA

I hereby acknowledge receipt of the above described materials.

\_\_\_\_\_  
 Name (Print or Type) Signature Date Received



## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR INFORMATION

## CUSTOMER/BILLING INFORMATION

Generator Name: GOODYEAR TIRE Billing Name: ICS-NORCAL  
 Address 1485 1ST STREET Address 4721 TIDEWATER AVE, SUITE D  
 City: LIVERMORE County: \_\_\_\_\_ City: OAKLAND County: \_\_\_\_\_  
 State CA Zip: \_\_\_\_\_ State: CA Zip: 94601  
 Site Location (if different): 1485 1ST STREET, LIVERMORE

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
38501116452	CONTAMINATED SOIL-ADC	30/TONS	4/30/2012	Bin 2

\*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Certified TIRE / Livermore. [Signature] 10/14/2011  
 Generator/Authorized Agent Name Signature Date Shipped

## TRANSPORTER INFORMATION

Transporter Name: FINTA ENT. DOT# 4  
 Transporter Address: BYRON CA Truck Number: 36  
 Phone Number: \_\_\_\_\_

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

ART ALDANA [Signature] 10/14/11  
 Name of Authorized Agent Signature Date Delivered

## DISPOSAL SITE INFORMATION

Site Name: VASCO ROAD LANDFILL Phone No. 925 447 0491  
 Site Address: 4001 VASCO ROAD LIVERMORE, CA

I hereby acknowledge receipt of the above described materials.

\_\_\_\_\_  
 Name (Print or Type) Signature Date Received



**REPUBLIC SERVICES**

VASCO ROAD LANDFILL, LLC

4001 N. Vasco Road, Livermore, CA 94551

(925) 447-0491

PT-1000  
PT-102994

52193

021314

TCS - NORDAL

4721 TIDEMASTER COURT  
OAKLAND, CA 94645

Contract: 38501116452

SITE 071	TICKET 140652	GRID 0000
M PURCELL DEPUTY WEIGHMASTER		
DATE IN 14 October 2011	TIME IN 10:00 am	
DATE OUT 14 October 2011	TIME OUT 11:00 am	
VEHICLE		
REFERENCE	ORIGIN	

01 Gross Weight 85,120.00 lb  
 Tare Weight 43,150.00 lb  
 Net Weight 41,970.00 lb 20.97 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.97	TN	SW-CONT SOIL-ALT DAILY COVER				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				
<i>2 - BINS Two</i>						

**WEIGHMASTER CERTIFICATE**

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

WEIGHMASTER
TENDERED
CHANGE

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution. All children must remain in vehicles. Absolutely no salvaging allowed.

Driver: \_\_\_\_\_

Deputy Weighmaster: *[Signature]*

**CUSTOMER**

Resend 1-10-11:02:42PM; FINTEA INTERPRISES

:00000000

# 4 / 4