

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

REBECCA GEBHART, Interim Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
LOCAL OVERSIGHT PROGRAM (LOP)
For Hazardous Materials Releases
1131 HARBOR BAY PARKWAY, SUITE 250
ALAMEDA, CA 94502
(510) 567-6700
FAX (510) 337-9335

March 31, 2017

Karen Burlingame and Dennis McGavis
The Goodyear Tire and Rubber Company
200 Innovation Way
Akron, Ohio 44316-7377

(Sent via e-mail to: dennis.mcgavis@goodyear.com and karen.burlingame@goodyear.com)

Keith West, Melissa West Phillips, Scott West, and Leona D. Purchio (Keith L. West et al.)
West Properties (Formerly Aimee L. West Trust et al.)
1352 A Street
Hayward, CA 94541 (Sent via e-mail to: melissa@westproperties.com)

Subject: Case Closure for Fuel Leak Case RO0000474 and Geotracker Global ID T0600101801,
Merritt Tire Sale, 3430 Castro Valley Boulevard, Castro Valley, California

Dear Ladies and Gentlemen:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25296.10[g]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Department of Environmental Health (ACDEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (<http://geotracker.waterboards.ca.gov>) and the Alameda County Department of Environmental Health website (<http://www.acgov.org/aceh/index.htm>).

Due to residual contamination, the site was closed with Site Management Requirements that require notifying ACDEH of a change in land use to any residential, or conservative land use, or if any redevelopment occurs and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities. Site Management Requirements are further described in the *Additional Information* Section of the attached Case Closure Summary. If you have any questions, please call Karel Detterman at (510) 567-6708. Thank you.

Sincerely,

Dilan Roe, P.E.
LOP and SCP Program Manager

Enclosures: 1. Remedial Action Completion Certification
2. Case Closure Summary

Ladies and Gentlemen
RO0000474
March 31, 2017, Page 2

cc with enclosure:

Gary Messerotes, Stantec Inc., (sent via e-mail to: Gary.Messerotes@stantec.com)
Jack Hardin, Stantec, Inc. (Sent via e-mail to: Jack.Hardin@stantec.com)
Susan Hugo, Alameda County Environmental Health, (Sent via e-mail to: susan.hugo@acgov.org)
Dilan Roe, ACDEH (Sent via e-mail to: dilan.roe@acgov.org)
Karel Detterman, ACDEH (Sent via e-mail to: karel.detterman@acgov.org)
Paresh Khatri, ACDEH (Sent via e-mail to: paresh.khatri@aceh.gov)
Case Electronic File, GeoTracker

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REMEDIAL ACTION COMPLETION CERTIFICATION

March 31, 2017

Karen Burlingame and Dennis McGavis
The Goodyear Tire and Rubber Company
200 Innovation Way
Akron, Ohio 44316-7377

(Sent via e-mail to: dennis.mcgavis@goodyear.com and karen.burlingame@goodyear.com)

Keith West, Melissa West Phillips, Scott West, and Leona D. Purchio (Keith L. West et al.)
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1352 A Street
Hayward, CA 94541 (Sent via e-mail to: melissa@westproperties.com)

Subject: Case Closure for Fuel Leak Case RO0000474 and Geotracker Global ID T0600101801, Merritt
Tire Sale, 3430 Castro Valley Boulevard, Castro Valley, California

Dear Responsible Parties:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,



Ronald Browder
Director

Underground Storage Tank Case Closure Summary Form

Agency Information

Date: March 31, 2017

Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6708
Case Worker: Karel Detterman, P.G.	Title: Hazardous Materials Specialist

Case Information

Facility Name: Merritt Tire Sale		
Facility Address: 3430 Castro Valley Boulevard, Castro Valley, CA 94546-5604		
Regional Water Board LUSTIS Case No: 01-1948	Former ACDEH Case No.: 1715	Current LOP Case No.: RO0000474
Unauthorized Release Form Filing Date: ----	State Water Board GeoTracker Global ID: T0600101801	
Assessor Parcel Number: 84A-80-19-3	Current Land Use: Commercial	
Responsible Party(s):	Address:	Phone:
c/o Ms. Karen Burlingame and Mr. Dennis McGavis	The Goodyear Tire and Rubber Company 200 Innovation Way Akron, Ohio 44316-7377	----
c/o Keith West, Melissa West Phillips, Scott West, and Leona D. Purchio (Keith West <i>et al</i>)	West Properties 1352 A Street Hayward, CA 94541	----

Tank Information

Tank No.	Size (gal)	Contents	Closed in-Place / Removed	Date
---	550 gallon	Waste Oil	Removed	Prior to September 22, 1993

Site History

Current Land-use at time of Case Closure: The subject property (APN 84A-80-19-3) is located in the center of Castro Valley at 3430 Castro Valley Boulevard in a commercial area of Castro Valley, approximately 500 feet northwest of the intersection of Castro Valley Boulevard and Redwood Road. At the time of this case closure, Certified Tire and Service Centers Goodyear is operating a Tire and Automotive Service business, and accordingly this case is closed to the current commercial land-use risk scenario, consisting of a commercial structure developed at the site. Due to residual contamination, the site was closed with site management requirements that include notifying Alameda County Department of Environmental Health (ACDEH) of a proposed change in land use to any residential or conservative land use, or if any redevelopment or building alteration is proposed that affect or disturb the existing subsurface conditions at the site.

Underground Storage Tank Case Closure Summary Form

Site History (continued)

Adjacent Property(ies) Land-use at Time of Case Closure: The subject property is surrounded to the west, north, and east by commercial businesses, to the south by Castro Valley Boulevard, and on the south side of Castro Valley Boulevard, additional businesses. At the time of this case closure, no potential off-site contamination was identified. However, should off-site redevelopment occur, ACDEH recommends evaluating the redevelopment site(s) for chemicals of concern identified on this site.

Historic Land-use/Site Investigation: The site has historically operated as a tire and automotive service business. A 550-gallon used oil underground storage tank (UST) was removed prior to 1993. In September 1993, borings were installed to assess subsurface conditions in the former waste oil UST vicinity. Elevated concentrations of petroleum hydrocarbons were detected in soil. In November 1993, monitoring wells were installed to assess groundwater conditions. Free product has been detected at the site since 1994. In March 1997, an Expanded Assessment and Risk-Based Corrective Action (RBCA) evaluation was performed at the site.

On December 1, 2004, an environmental site assessment and limited subsurface investigation was performed at the site. A 385 gallon sand and grease interceptor was discovered at the site. In August 2012, a remedial excavation to remove contaminated soil was completed. On August 14, 2012 an additional monitoring well MW-5 was installed to monitor post-remediation groundwater conditions down-gradient of the remedial excavation. Non-aqueous phase liquid (NAPL) or free product was not present during corrective action excavation activities and was subsequently not detected in the downgradient replacement well MW-5.

A preferential pathway evaluation and a sensitive receptor survey was performed prior to case closure. The depth of the utilities at the site were documented at up to 4 feet below the ground surface (bgs). The depth of first encountered groundwater averages between 5 to 8 feet bgs. Castro Valley Creek the closest surface water body is located 1,073 feet east of and cross gradient to the site at its closest point. The direction of groundwater flow in the area appears to be towards the south.

Potential Exposure to Chemicals of Concern: A 550-gallon used oil UST is believed to be the source of the contamination discovered and cleaned up at the site. The main chemicals of concern (COCs) associated with the used oil UST and detected at the site were total petroleum hydrocarbons (TPH) as oil & grease (o&g), TPH as diesel range organics (DRO), lead, benzene, methyl tert-butyl ether (MTBE), vinyl chloride, tetrachloroethene (PCE), trichloroethene (TCE), 1,1-Dichloroethene (1,1-DCE), 1,1-Dichloroethane (1,1-DCA), cis-1,2-DCE, and naphthalene. Inhalation and ingestion appear to be the most likely potential routes of exposure to these COCs.

Remediation Activities: A corrective action plan consisting of excavation of a rectangular area 60 feet by 15 feet by 8 feet deep in front of and surrounding the former waste oil UST was approved in 2009 and implemented in 2012. Confirmation soil sample analytical results indicated polyaromatic hydrocarbons (PAHs) remain in soil at 5 feet. The petroleum hydrocarbon plume does not appear to extend offsite as defined by well MW-4 located 90 feet south and down gradient of the former waste oil UST and immediately adjacent to the southern property line.

Underground Storage Tank Case Closure Summary Form

Site History (continued)

Case Closure & Future Site Management Requirements: This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). The case meets all the general and media-specific criteria of the LTCP with the exception of media-specific criteria of vapor intrusion and direct contact to outdoor air. ACDEH made the determination that the site has a low risk of vapor intrusion due to the commercial land use and building configuration and construction with large roll up doors. ACDEH has made the determination that there is low potential for direct contact exposure because the entire site is paved and the site is in current commercial land use.

Due to residual contamination at the site, the site is closed as a commercial site with site management requirements and land use restrictions that limit the site to the current land use and building configuration. If there is a proposed change in land use to any residential, or conservative land use, or if any redevelopment occurs, ACDEH must be notified as required by Government Code Section 65850.2.2. ACDEH will re-evaluate the site relative to the proposed redevelopment. Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities

Site Closure Evaluation Summary

This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). The case meets all the general criteria of the LTCP but does not meet Direct Contact and Outdoor Air Specific Criteria. Alameda County Department of Environmental Health (ACDEH) has made the determination that there is low potential for direct contact exposure because of the current land use as a tire shop with open air service bays.

Refer to Attachments 1 through 5 for analysis details.

Site Management Requirements

Case closure is granted for the current commercial land use.

Due to residual subsurface contamination remaining at the site, if any redevelopment occurs, or if a change in land use to residential, or other conservative land use, Alameda County Department of Environmental Health (ACDEH) must be notified as required by Government Code Section 65850.2.

Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

Institutional Controls

Not Applicable

Engineering Controls


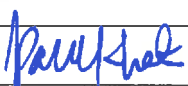
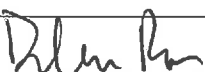
Not Applicable

Underground Storage Tank Case Closure Summary Form

Case Closure Public Notification Information

Agency Type	Agency Name	Contact Information
Regional Water Board	San Francisco Bay	Laurent Meillier 1515 Clay Street, Suite 1400, Oakland, CA 94612
Municipal and County Water Districts	East Bay Municipal Utility District	Chandra Johannesson P.O. Box 24055, MS 702 Oakland, CA 94623
Water Replenishment Districts	Not Applicable	---
Groundwater Basin Managers	Not Applicable	---
Planning Agency	Alameda County Community Development Agency	Sandra Rivera 224 W. Winton Avenue, Room 111 Hayward, CA 94544
Planning Agency	Alameda County Public Works Agency Clean Water Program	Kwablah Attiogbe 399 Elmhurst Street Hayward, CA 94544
Owners and Occupants of Property and Adjacent Parcels	See List in Attachment 7	---

Local Agency Signatures

Karel Detterman, PG	Title: Case Worker, Hazardous Materials Specialist
Signature: 	Date: <i>March 31, 2017</i>
Paresh Khatri	Title: Supervisor, Hazardous Materials Specialist
Signature: 	Date: <i>MARCH 31, 2017</i>
Dilan Roe, PE	Title: Chief – Land Water Division
Signature: 	Date: <i>3/31/2017</i>

This Case Closure Summary along with the Case Closure Transmittal letter and the Remedial Action Completion Certification provides documentation of the case closure. This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions. The Conceptual Site Model may not contain all available data. Additional information on the case can be viewed in the online case file. The entire case file can be viewed over the Internet on the Alameda County Department of Environmental Health (ACDEH) website (<http://www.acgov.org/aceh/lop/ust.htm>) or the State of California Water Resources Control Board GeoTracker website (<http://geotracker.waterboards.ca.gov>). Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the ACDEH website.

Attachment 1, Conceptual Site Model (2 pages)

Attachment 2, Low Threat Closure Policy (LTCP) Checklist (1 page)

Attachment 3, Groundwater Evaluation and Data (21 pages)

Attachment 4, Vapor Intrusion Evaluation and Data (2 pages)

Attachment 5, Soil Evaluation and Data (43 pages)

Attachment 6, Responsible Party Information (3 pages)

Attachment 7, Case Closure Public Notification Information (2 pages)

ATTACHMENT 1

MERRITT TIRE SALE

MERRITT TIRE SALE (T0600101801) - [MAP THIS SITE](#)

PUBLIC PAGE

3430 CASTRO VALLEY
 CASTRO VALLEY, CA 94546
 ALAMEDA COUNTY
 LUST CLEANUP SITE
 STATUS: COMPLETED - CASE CLOSED

CLEANUP OVERSIGHT AGENCIES
 ALAMEDA COUNTY LOP (LEAD) - CASE #: R00000474 - [KAREL DETTERMAN](#)
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-1948 - [Regional Water Board](#)

[Activities Report](#)
[Documents / Data](#)
[Environmental Conditions](#)
[Admin](#)
[Funding](#)
[Case Reviews](#)

THIS PROJECT WAS LAST MODIFIED BY [KAREL DETTERMAN](#) ON 3/31/2017 10:58:18 AM - [HISTORY](#)

CSM REPORT - [VIEW PUBLIC NOTICING VERSION OF THIS REPORT](#)

UST CLEANUP FUND CLAIM INFORMATION (DATA PULLED FROM SCUFIS)

CLAIM NO	PRIORITY	CLAIMANT	SITE ADDRESS	AMT REIMB TO DATE	AGE OF LOC	IMPACTED WELLS?	REVIEW NUM	REVIEWER	FIVE YEAR REVIEW INFORMATION		
									FUND RECOMMENDATION	TO OVERSIGHT DATE	TO CLAIMANT DATE

PROJECT INFORMATION (DATA PULLED FROM GEOTRACKER) - [MAP THIS SITE](#)

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
MERRITT TIRE SALE (Global ID: T0600101801) 3430 CASTRO VALLEY CASTRO VALLEY, CA 94546	Completed - Case Closed	3/31/2017	10/5/1993	24	ALAMEDA COUNTY LOP (LEAD) - CASE #: R00000474 CASEWORKER: KAREL DETTERMAN - SUPERVISOR: DILAN ROE SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-1948 CASEWORKER: Regional Water Board - SUPERVISOR: NONE SPECIFIED

STAFF NOTES (INTERNAL)
 Changed case status prematurely to case closed; awaiting upload to Geotracker and to ACDEH's ftp site of missing groundwater monitoring report containing laboratory data from the May 21, 2014 sampling event (and final sampling event).

SITE HISTORY
 Not all historic documents for the fuel leak case may be available on Geotracker. A more complete historic case file for this site is located on the Alameda County Department of Environmental Health website at: <http://www.acgov.org/aceh/lop/ust.htm>
 Current Land-use at time of Case Closure

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NAME	ORGANIZATION	ADDRESS	CITY	EMAIL
KAREN BURLINGAME & DENNIS MCGAVIS	GOODYEAR TIRE & RUBBER CO	200 INNOVATION WAY	AKRON	
KEITH WEST ETAL, WEST PROPERTIES	KEITH WEST ETAL	1352 A STREET	HAYWARD	

ACTION TYPE	BEGIN DATE	END DATE	PHASE	CONTAMINANT MASS REMOVED	DESCRIPTION
FREE PRODUCT REMOVAL	8/2/1995	9/9/999			

CONTAMINANTS OF CONCERN	CURRENT LAND USE	BENEFICIAL USE	DISCHARGE SOURCE	DATE REPORTED	STOP METHOD	NEARBY / IMPACTED WELLS
Waste Oil / Motor / Hydraulic / Lubricating	Commercial	GW - Municipal and Domestic Supply		10/5/1993	Close and Remove Tank	0

FREE PRODUCT	OTHER CONSTITUENTS	NAME OF WATER SYSTEM	LAST REGULATORY ACTIVITY	LAST ESI UPLOAD	LAST EDF UPLOAD	EXPECTED CLOSURE DATE	MOST RECENT CLOSURE REQUEST
NO	NO	EBMUD	11/9/2015	5/11/2016	5/4/2016		1/13/2015

CDPH WELLS WITHIN 1500 FEET OF THIS SITE
 NONE

APN	GW BASIN NAME	WATERSHED NAME
084A008001903	Castro Valley (2-8)	South Bay - East Bay Cities (204.20)

COUNTY	PUBLIC WATER SYSTEM(S)
Alameda	EAST BAY MUD - 375 ELEVENTH STREET, OAKLAND, CA 94607

MERRITT TIRE SALE

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER - HIDE								VIEW ESI SUBMITTALS
FIELD PT NAME	DATE	TPHs	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
MW-1	8/21/2013	OTHER	ND	ND	ND	ND	ND	ND
MW-2	8/21/2013	OTHER	ND	ND	ND	ND	ND	ND
MW-4	5/21/2014		ND	ND	ND	ND	ND	ND
MW-5	5/21/2014		ND	ND	ND	ND	ND	ND
QCTB	5/30/2013	OTHER	ND	ND	ND	ND	ND	ND

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL - HIDE								VIEW ESI SUBMITTALS
FIELD PT NAME	DATE	TPHs	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
EX-1	8/13/2012		ND	ND	ND	ND	ND	ND
EX-10	8/16/2012		85 UG/KG	410 UG/KG	320 UG/KG	3300 UG/KG	ND	ND
EX-11	8/17/2012		ND	ND	ND	ND	ND	ND
EX-12	8/17/2012		ND	ND	19 UG/KG	ND	ND	ND
EX-13	8/17/2012		ND	ND	ND	ND	ND	ND
EX-14	8/17/2012		ND	ND	ND	ND	ND	ND
EX-15	8/17/2012		ND	ND	24 UG/KG	55 UG/KG	ND	ND
EX-17	8/18/2012		ND	ND	ND	ND	ND	ND
EX-18	8/18/2012		ND	ND	ND	ND	ND	ND
EX-19	8/18/2012		ND	ND	ND	ND	ND	ND
EX-2	8/13/2012		ND	ND	ND	ND	ND	ND
EX-3	8/13/2012		ND	ND	ND	ND	ND	ND
EX-4	8/13/2012		ND	ND	ND	ND	ND	ND
EX-5	8/14/2012		14 UG/KG	22 UG/KG	46 UG/KG	300 UG/KG	ND	ND
EX-6	8/14/2012		51 UG/KG	92 UG/KG	190 UG/KG	710 UG/KG	ND	ND
EX-7	8/14/2012		48 UG/KG	6.3 UG/KG	160 UG/KG	37 UG/KG	ND	ND
EX-8	8/16/2012		120 UG/KG	110 UG/KG	270 UG/KG	3900 UG/KG	5.7 UG/KG	ND
EX-9	8/16/2012		30 UG/KG	53 UG/KG	140 UG/KG	75 UG/KG	ND	ND

MOST RECENT GEO_WELL DATA - HIDE					VIEW ESI SUBMITTALS
FIELD PT NAME	DATE	DEPTH TO WATER (FT)	SHEEN	DEPTH TO FREE PRODUCT (FT)	
MW-1	5/1/2013	6.2	N		
MW-2	5/1/2013	5.84	N		
MW-3	12/4/2008	5.75	Y		
MW-4	5/21/2014	7.92	N		
MW-5	5/21/2014	6.15	N		

ATTACHMENT 2

MERRITT TIRE SALE (T0600101801) - [MAP THIS SITE](#) PUBLIC PAGE

3430 CASTRO VALLEY
CASTRO VALLEY, CA 94546
ALAMEDA COUNTY
LUST CLEANUP SITE
 STATUS: OPEN - ELIGIBLE FOR CLOSURE

CLEANUP OVERSIGHT AGENCIES
 ALAMEDA COUNTY LOP (LEAD) - CASE #: R00000474 - [KAREL DETTERMAN](#)
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-1948 - [Regional Water Board](#)

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THIS PROJECT WAS LAST MODIFIED BY [KAREL DETTERMAN](#) ON 3/31/2017 10:55:10 AM - [HISTORY](#)

CLOSURE POLICY *THIS VERSION IS FINAL AS OF 3/31/2017* CHECKLIST INITIATED ON 7/30/2013 [CLOSURE POLICY HISTORY](#)

General Criteria - *The site satisfies the policy general criteria* - [CLEAR SECTION ANSWERS](#) YES

a. Is the unauthorized release located within the service area of a public water system?

Name of Water System:

EBMUD

YES NO

b. The unauthorized release consists only of petroleum ([info](#)). YES NO

c. The unauthorized ("primary") release from the UST system has been stopped. YES NO

d. Free product has been removed to the maximum extent practicable ([info](#)). FP Not Encountered YES NO

e. A conceptual site model that assesses the nature, extent, and mobility of the release has been developed ([info](#)). YES NO

f. Secondary source has been removed to the extent practicable ([info](#)). YES NO

g. Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15. Not Required YES NO

h. Does a nuisance exist, as defined by [Water Code section 13050](#). YES NO

1. Media-Specific Criteria: Groundwater - *The contaminant plume that exceeds water quality objectives is stable or decreasing in areal extent, and meets all of the additional characteristics of one of the five classes of sites listed below.* - [CLEAR SECTION ANSWERS](#) YES

EXEMPTION - Soil Only Case (Release has not Affected Groundwater - [Info](#)) YES NO

Does the site meet any of the Groundwater specific criteria scenarios? YES NO

1.1 - The contaminant plume that exceeds water quality objectives is <100 feet in length. There is no free product. The nearest existing water supply well or surface water body is >250 feet from the defined plume boundary. YES NO

2. Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air - *The site is considered low-threat for the vapor-intrusion-to-air pathway if site-specific conditions satisfy items 2a, 2b, or 2c.* - [CLEAR SECTION ANSWERS](#) YES

EXEMPTION - Active Commercial Petroleum Fueling Facility YES NO

Does the site meet any of the Petroleum Vapor Intrusion to Indoor Air specific criteria scenarios? YES NO

2c - Petroleum Vapor Intrusion to Indoor Air - As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, the regulatory agency determines that petroleum vapors migrating from soil or groundwater will have no significant risk of adversely affecting human health. YES NO

3. Media Specific Criteria: Direct Contact and Outdoor Air Exposure - *The site is considered low-threat for direct contact and outdoor air exposure if it meets 1, 2, or 3 below.* - [CLEAR SECTION ANSWERS](#) YES NO

EXEMPTION - The upper 10 feet of soil is free of petroleum contamination YES NO

Does the site meet any of the Direct Contact and Outdoor Air Exposure criteria scenarios? YES NO

ADDITIONAL QUESTIONS - Please indicate only those conditions that do not meet the policy criteria:

Exposure Type:

Residential Commercial Utility Worker

Petroleum Constituents in Soil:

≤ 5 Feet bgs >5 Feet bgs and ≤10 Feet bgs Unknown

Soil Concentrations of Benzene:

> 1.9 mg/kg and ≤ 2.8 mg/kg > 2.8 mg/kg and ≤ 8.2 mg/kg > 8.2 mg/kg and ≤ 12 mg/kg > 12 mg/kg and ≤ 14 mg/kg > 14 mg/kg Unknown

Soil Concentrations of EthylBenzene:

> 21 mg/kg and ≤ 32 mg/kg > 32 mg/kg and ≤ 89 mg/kg > 89 mg/kg and ≤ 134 mg/kg > 134 mg/kg and ≤ 314 mg/kg > 314 mg/kg Unknown

Soil Concentrations of Naphthalene:

> 9.7 mg/kg and ≤ 45 mg/kg > 45 mg/kg and ≤ 219 mg/kg > 219 mg/kg Unknown

Soil Concentrations of PAH:

> 0.063 mg/kg and ≤ 0.68 mg/kg > 0.68 mg/kg and ≤ 4.5 mg/kg > 4.5 mg/kg Unknown

Area of Impacted Soil:

Area of Impacted Soil > 82 by 82 Feet Unknown

Additional Information

Should this case be closed in spite of NOT meeting policy criteria?

Explain:

Under the current commercial land use, the entire site is paved resulting in a low potential for direct contact exposure under the current land use.

YES NO

Has this LTCP Checklist been updated for FY 16/17? YES NO

[SPELL CHECK](#)

ATTACHMENT 3

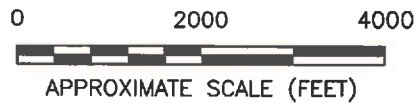
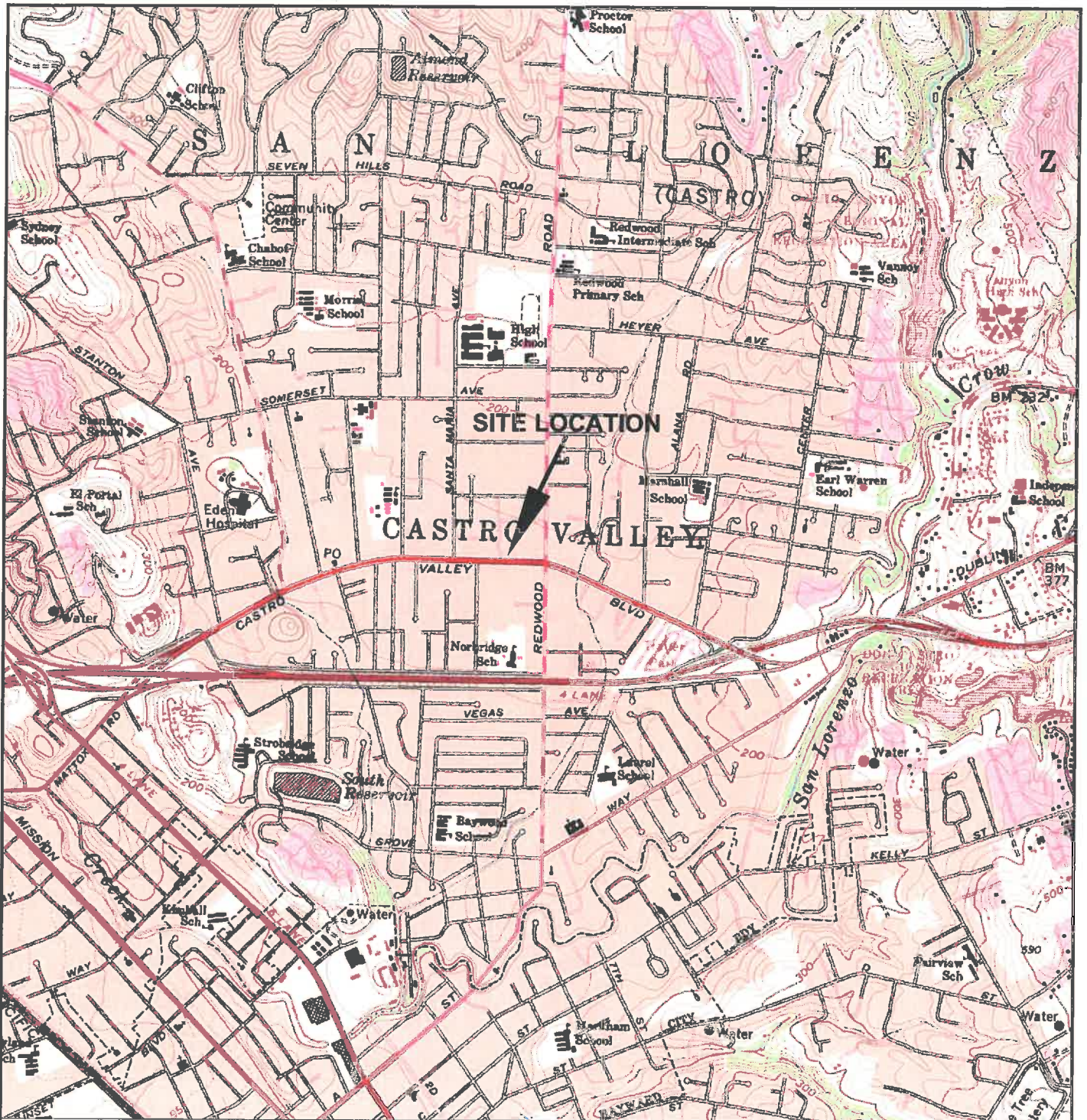
Underground Storage Tank Case Closure Summary Form

LTCP GROUNDWATER SPECIFIC CRITERIA - PETROLEUM						
Closure Scenario						
___ Site has not affected groundwater; <u>X</u> Scenario 1; ___ Scenario 2; ___ Scenario 3; ___ Scenario 4; ___ Scenario 5; ___ This case should be closed in spite of not meeting the groundwater specific media criteria						
Shading indicates Site Specific Data and Bold Text indicates Evaluation Criteria						
Site Specific Data		Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5
Plume Length	< 100 feet	<100 feet	<250 feet	<1,000 feet	<1,000 feet	The site does not meet scenarios 1 through 4; however, a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame.
Free Product	No free product	No free product	No free product	Removed to maximum extent practicable	No free product	
Plume Stable or Decreasing	Decreasing	Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 years	Stable or decreasing	
Distance to Nearest Water Supply Well (from plume boundary)	> 1,325 feet upgradient (DWR / ACPWA)	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet	
Distance to Nearest Surface Water Body (from plume boundary)	Downgradient: None Cross Gradient: 1,073 feet east; Upgradient: None	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet	
Benzene Concentrations (µg/l)	Historic Max: <2.0 Current Max: <0.5	No criteria	<3,000	<1,000	<1,000	
MTBE Concentrations (µg/l)	Historic Max: <0.5 Current Max: <0.5	No criteria	<1,000	<1,000	<1,000	
Property Owner Willing to Accept a Land Use Restriction	Not applicable	Not applicable	Not applicable	Yes	Not applicable	

Notes: DWR = Department of Water Resources
 ACPWA = Alameda County Public Works Agency
 GAMA = Groundwater Ambient Monitoring Assessment (GeoTracker)

Attachment 3 – Groundwater Evaluation and Data

Analysis	
Plume Length	Defined to water quality objectives by well MW-4 located 90 feet south and downgradient of the former waste oil UST.
Free Product	Not observed at site.
Plume Stability	Plume is stable in aerial extent based on a number of years of monitoring, including recent concentration trends. (The contaminant mass has expanded to its maximum extent defined as the distance from the release where attenuation exceeds migration.)
Water Supply Wells	An Alameda County Public Works Agency (ACPWA) and the Department of Water Resources (DWR) well survey indicate no public water supply wells, irrigation wells within 1,320 feet of the site. The well survey results from the GeoTracker Groundwater Ambient Monitoring Assessment (GAMA) website indicates there are no public water supply wells, irrigation wells, California Department of Public Health wells, Department of Pesticide Regulation wells located within a 2,000 foot radius of the site.
Surface Water Bodies	The site is located 1,073 feet west and cross gradient of Castro Valley Creek.



SOURCE:
USGS 7.5 MINUTE
TOPOGRAPHIC MAP—
HAYWARD, CALIFORNIA
QUADRANGLE

QUADRANGLE
LOCATION



15575 LOS GATOS BLVD, BUILDING C
LOS GATOS, CALIFORNIA 95032
PHONE: (408) 356-6124 FAX: (408) 356-6138

FOR:
THE GOODYEAR TIRE AND RUBBER CO.

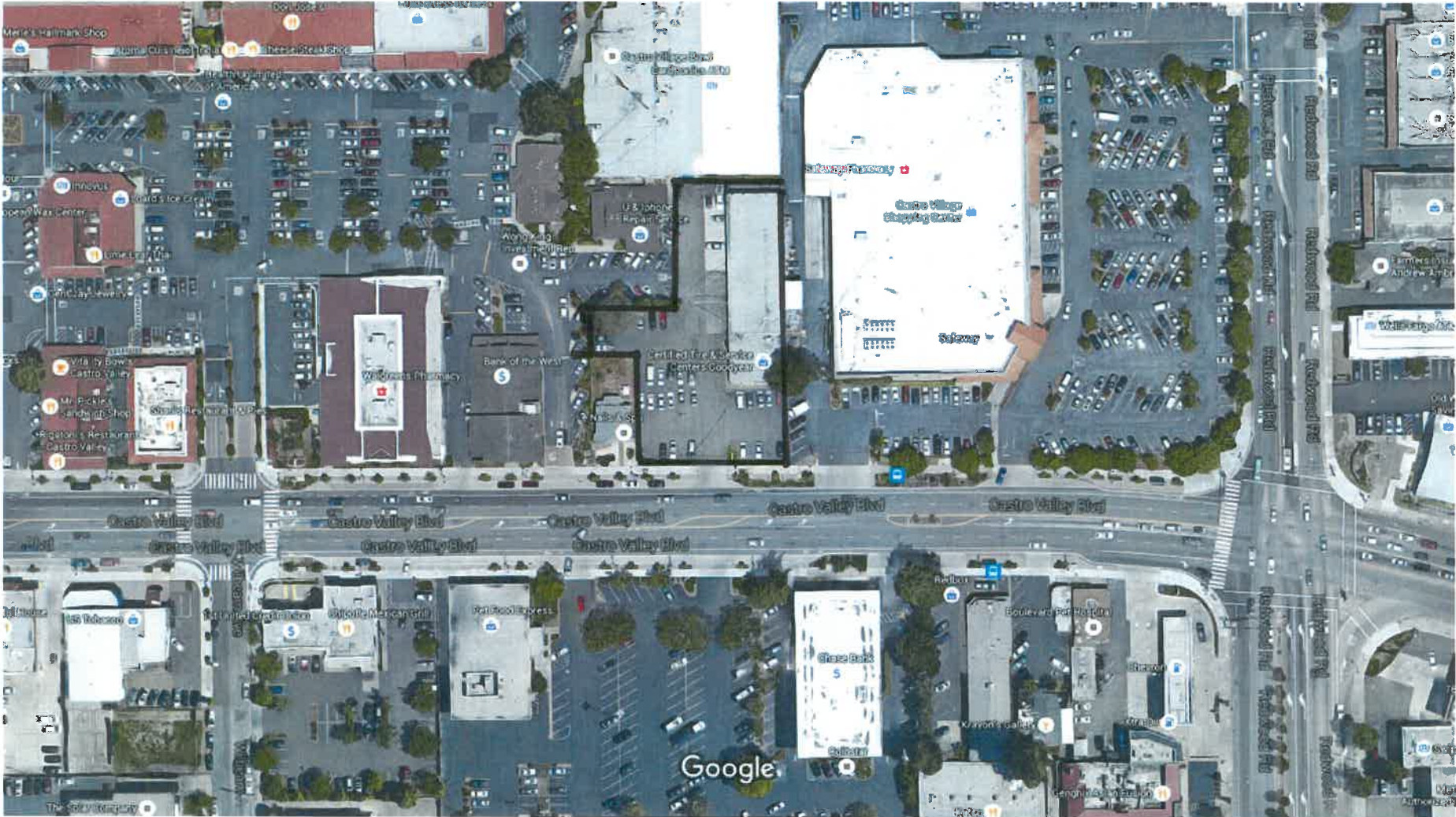
SITE LOCATION MAP
GOODYEAR DEX #9578
3430 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

FIGURE:

1

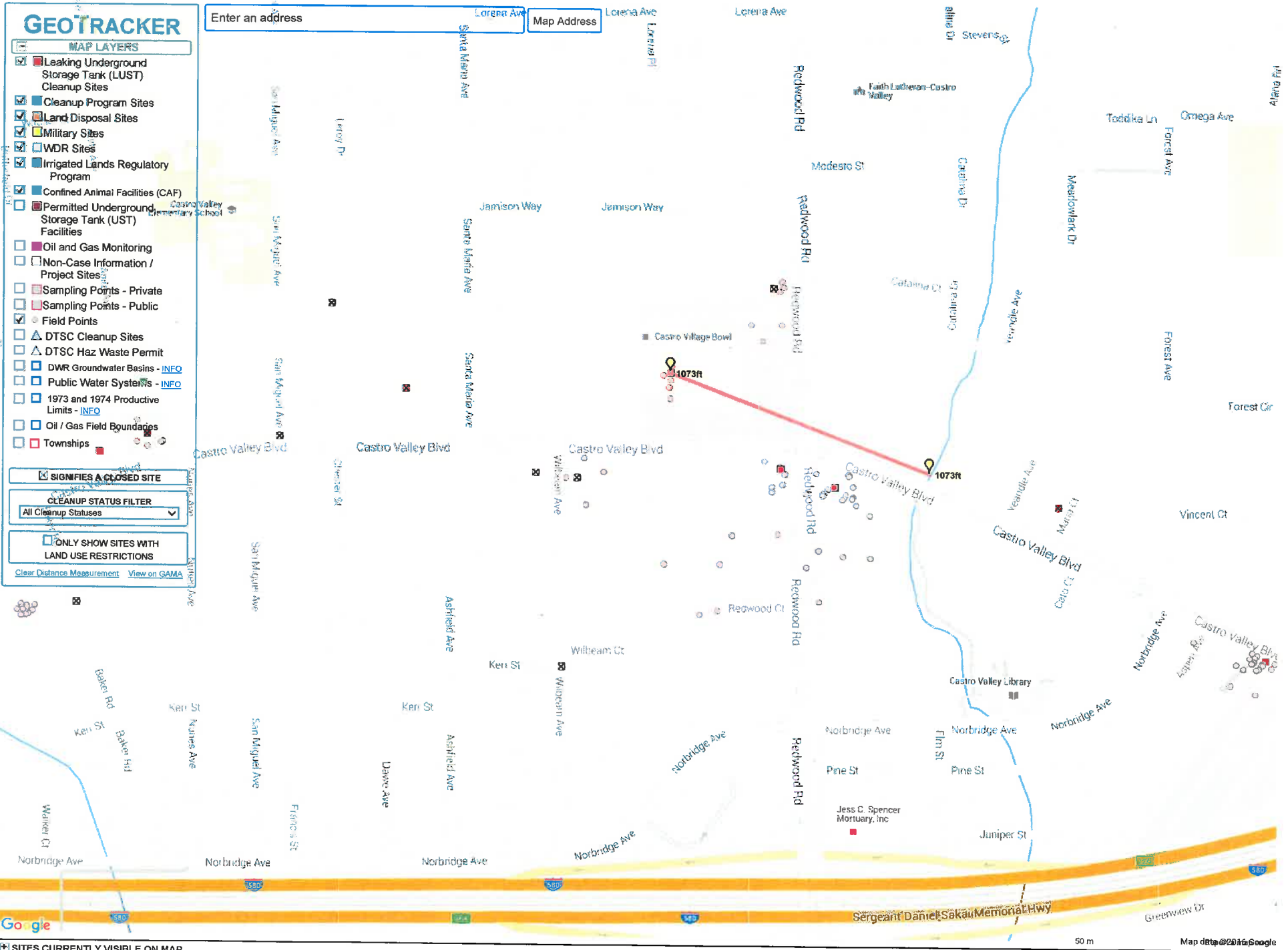
JOB NUMBER: 185702561	DRAWN BY: KM	CHECKED BY: AJ	APPROVED BY: GM	DATE: 10/09/13
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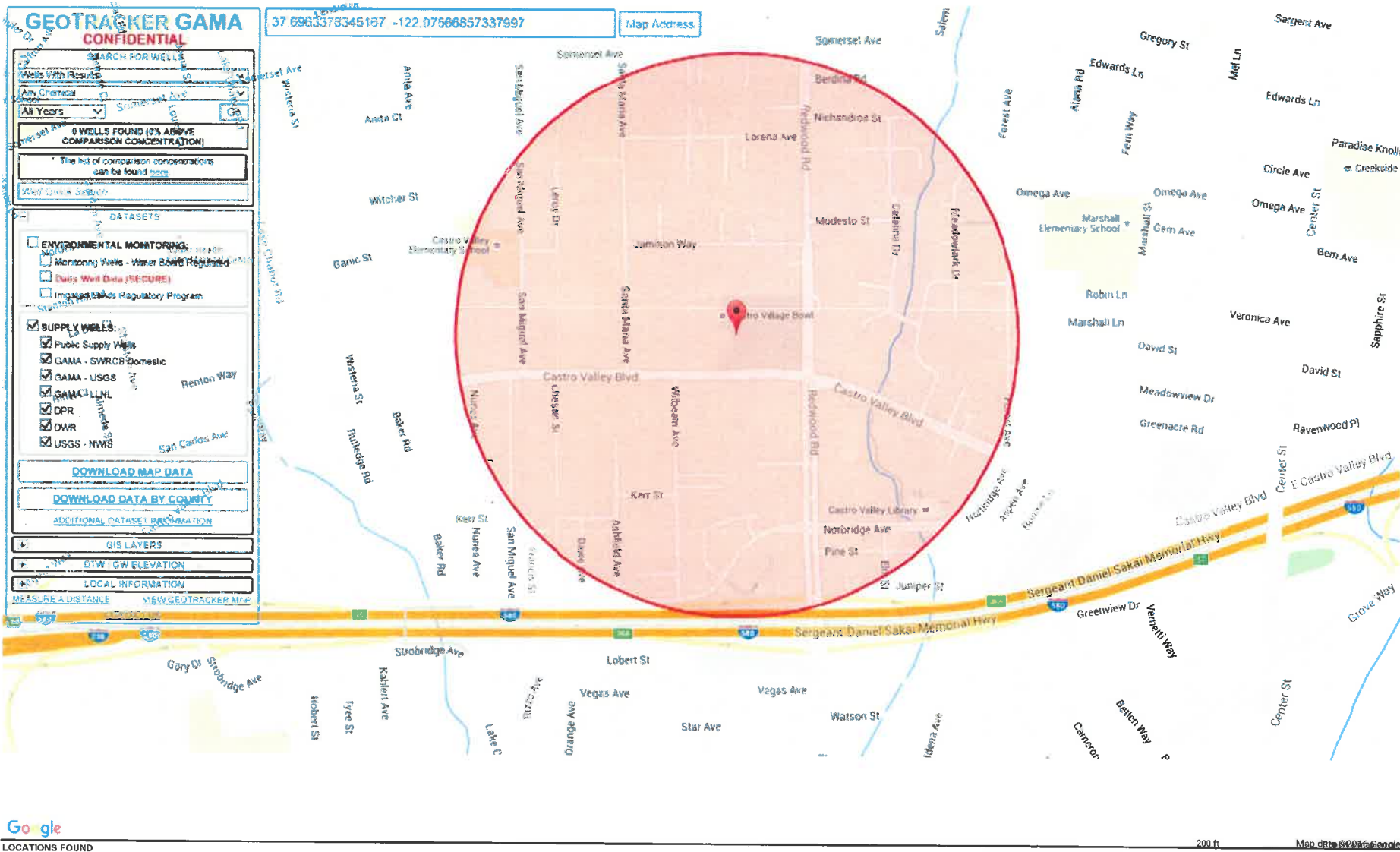
Google Maps 3430 Castro Valley Boulevard, Castro Valley, CA

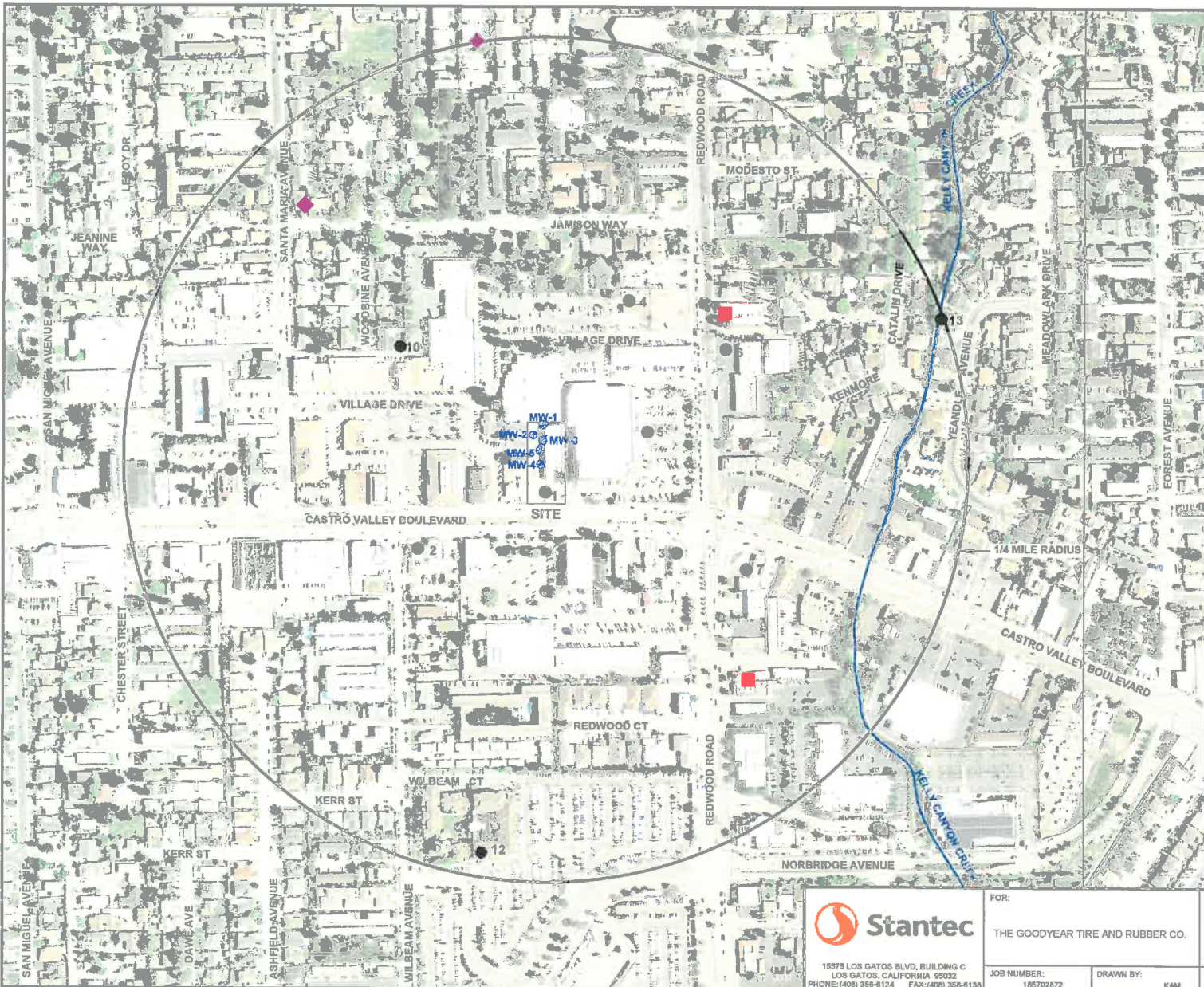


Imagery ©2016 Google, Map data ©2016 Google 50 ft

Google Maps

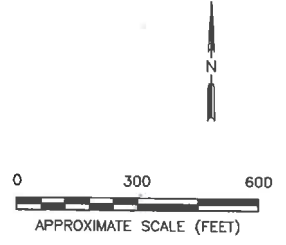






LEGEND:

- PROPERTIES WITH WELLS WITHIN 1/4-MILE OF SITE
- MEDICAL OFFICES WITHIN 1/4-MILE OF SITE
- ◆ SCHOOLS WITHIN 1/4-MILE OF SITE
- ⊕ ACTIVE GROUNDWATER MONITORING WELL LOCATION
- ⊗ DESTROYED GROUNDWATER MONITORING WELL LOCATION



15575 LOS GATOS BLVD, BUILDING C
LOS GATOS, CALIFORNIA 95032
PHONE: (408) 358-8124 FAX: (408) 358-8138

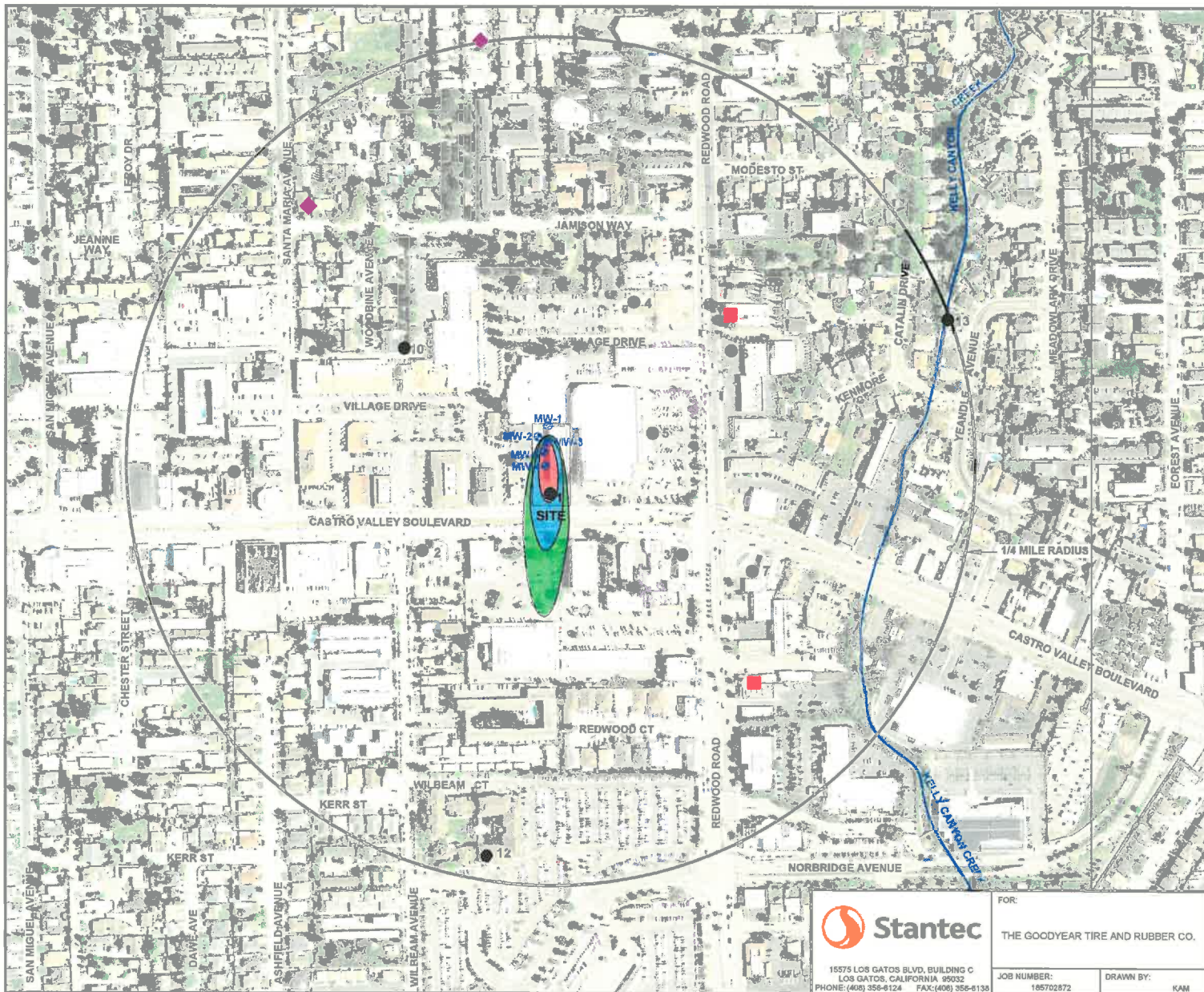
FOR: THE GOODYEAR TIRE AND RUBBER CO.	
JOB NUMBER: 185702872	DRAWN BY: KAM

WELL & SENSITIVE RECEPTOR SURVEY GOODYEAR DEX #9578 3430 CASTRO VALLEY BOULEVARD CASTRO VALLEY, CALIFORNIA	
CHECKED BY: KJM	APPROVED BY: GM

FIGURE: 6	DATE: 01/08/15
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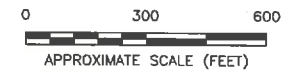
APPENDIX C
Wells Survey Results
Former Goodyear Tire Store
3430 Castro Valley Boulevard
Castro Valley, CA

	Owner/Site Name	Well Type	Drill Date	Total Depth	Address	Approximate Distance/Direction From Site
1	Merritt Tire Sale	Monitoring Wells	Sept 94, Dec 96, Aug 12	16-20	3430 Castro Valley Blvd.	0
2	CHEVRON #9-4930 / VALLEY CAR WASH	Monitoring Well	Oct-93	20	3369 Castro Valley Blvd.	460 SW
3	Ted Simas (XTRA OIL DBA SHELL STATION)	Monitoring Wells	Feb 90 & Aug 97	18-20	3495 Castro Valley Blvd.	510 SE
4	R. T. Nahas Company (UNOCAL)	Monitoring Wells	Dec 89	25-30	20405 Redwood Rd.	520 NE
5	R. T. Nahas Company	Monitoring Wells	Apr 92	29-37	20629 Redwood Rd	310 E
6	Exxon Oil	Unknown	?	?	20450 Redwood Rd.	650 NE
7	BP #11105 / SHELL 17-1445	Monitoring Well	Sept 92, July 95, Aug 09,	15-30	3519 Castro Valley Blvd.	700 SE
8	R. T. Nahas Company	Domestic/Destroyed	Dec 75	56	3559 JAMISON WAY	700 NNW
9	R. T. Nahas Company	Destroyed	?	20 & 25	3533 JAMISON WAY	725 NNW
10	Horseshoe Drilling	Destroyed	Apr 96	20	20342 Woodbine Ave	600 NW
11	Mitzi Stockel	BOR/MON	Apr-90	8-23	3234 Castro Valley Blvd	1000 W
12	BART	Monitoring Well	Feb 93	16	21000 Wilbeam Ave.	1225 SSW
13	Robert D Rousey	Irrigation	May-77	28	20283 Yeandle Ave.	1325 ENE



LEGEND:

- PROPERTIES WITH WELLS WITHIN 1/4-MILE OF SITE
- MEDICAL OFFICES WITHIN 1/4-MILE OF SITE
- ◆ SCHOOLS WITHIN 1/4-MILE OF SITE
- ACTIVE GROUNDWATER MONITORING WELL LOCATION
- DESTROYED GROUNDWATER MONITORING WELL LOCATION
- AVERAGE PLUME LENGTH (5 ug/L)
- 90TH PERCENTILE PLUME LENGTH (5 ug/L)
- MAXIMUM PLUME LENGTH (5 ug/L)



15575 LOS GATOS BLVD, BUILDING C
 LOS GATOS, CALIFORNIA 95032
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FOR:
 THE GOODYEAR TIRE AND RUBBER CO.

JOB NUMBER:
 185702872

DRAWN BY:
 KAM

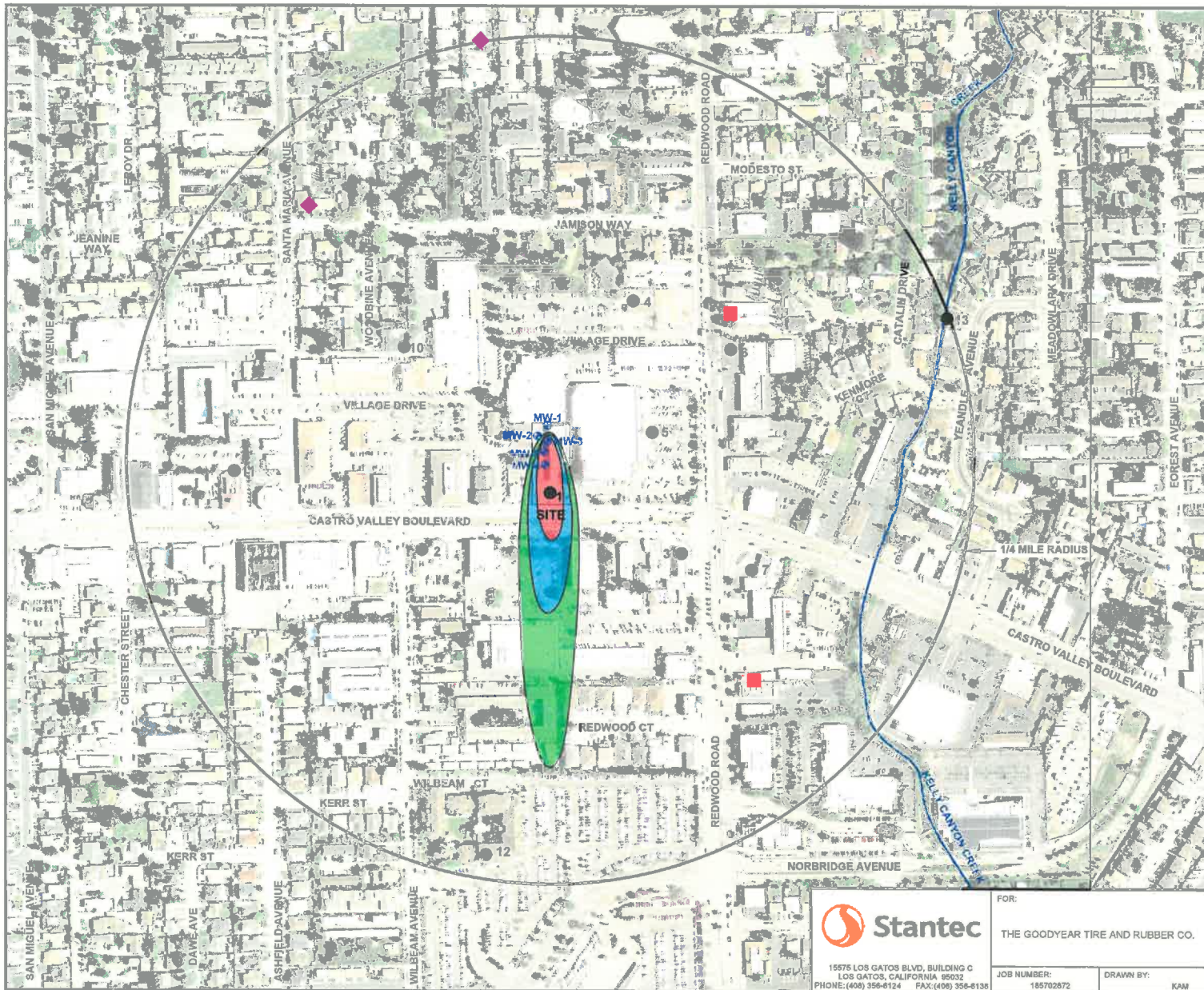
**POTENTIAL BENZENE PLUME LENGTHS
 BASED ON LTCP
 TECHNICAL JUSTIFICATION
 GOODYEAR DEX #9878
 3430 CASTRO VALLEY BOULEVARD
 CASTRO VALLEY, CALIFORNIA**

CHECKED BY:
 KM

APPROVED BY:
 GM

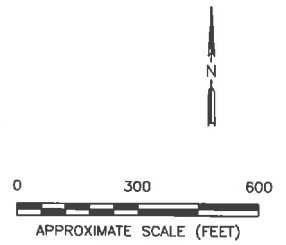
FIGURE:
10

DATE:
 01/08/15



LEGEND:

- PROPERTIES WITH WELLS WITHIN 1/4-MILE OF SITE
- MEDICAL OFFICES WITHIN 1/4-MILE OF SITE
- ◆ SCHOOLS WITHIN 1/4-MILE OF SITE
- ACTIVE GROUNDWATER MONITORING WELL LOCATION
- DESTROYED GROUNDWATER MONITORING WELL LOCATION
- AVERAGE PLUME LENGTH (5 ug/L)
- 90TH PERCENTILE PLUME LENGTH (5 ug/L)
- MAXIMUM PLUME LENGTH (5 ug/L)



1575 LOS GATOS BLVD, BUILDING C
LOS GATOS, CALIFORNIA 95032
PHONE: (408) 358-6124 FAX: (408) 358-6138

FOR:
THE GOODYEAR TIRE AND RUBBER CO.

JOB NUMBER:
185702672

DRAWN BY:
KAM

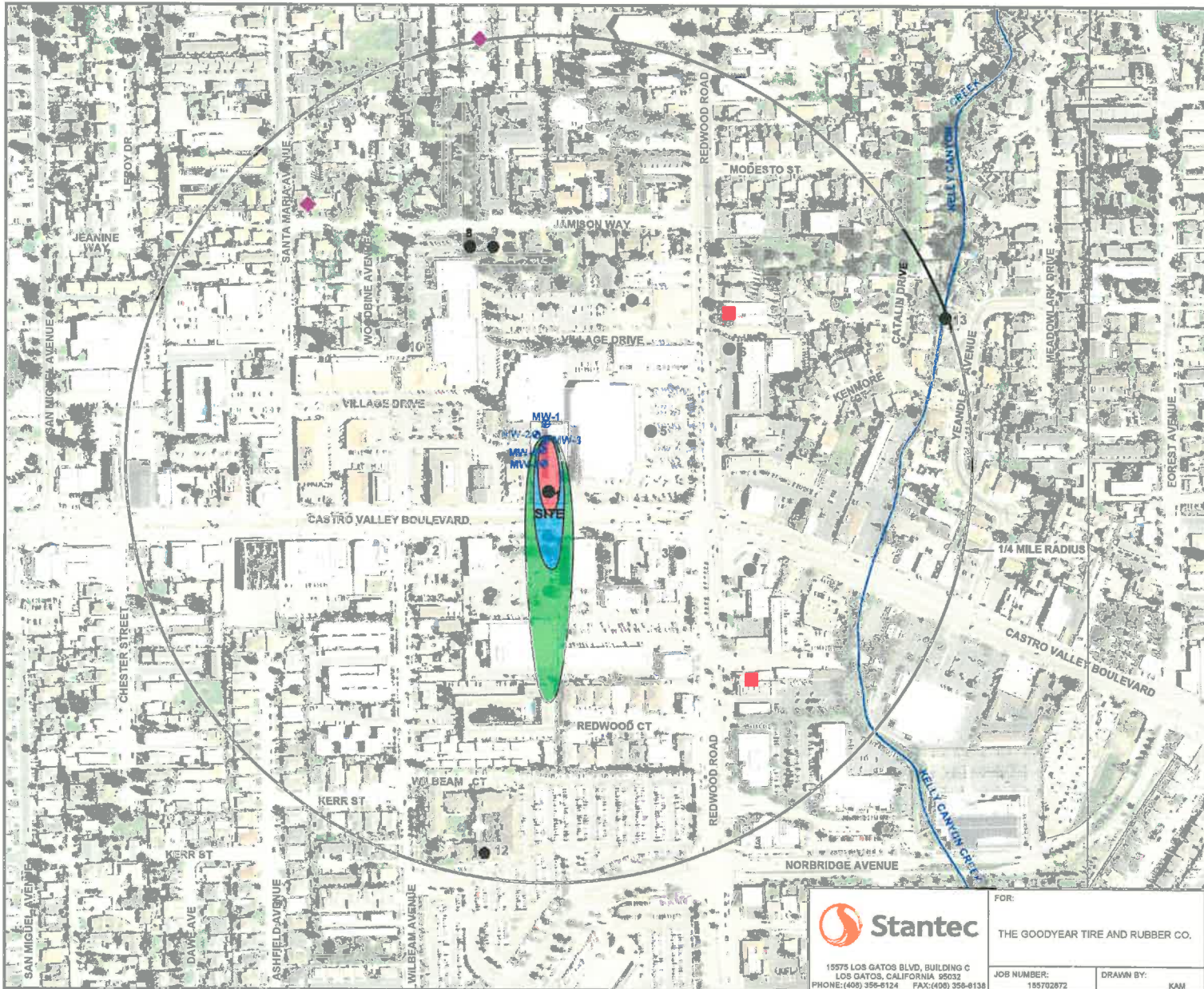
**POTENTIAL MTBE PLUME LENGTHS
BASED ON LTCP
TECHNICAL JUSTIFICATION
GOODYEAR DEX #9578
3430 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA**

FIGURE:
11

CHECKED BY:
KM

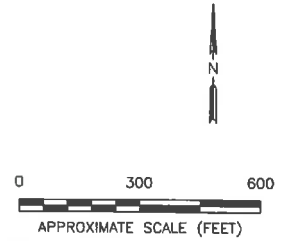
APPROVED BY:
GM

DATE:
01/08/15



LEGEND:

- PROPERTIES WITH WELLS WITHIN 1/4-MILE OF SITE
- MEDICAL OFFICES WITHIN 1/4-MILE OF SITE
- ◆ SCHOOLS WITHIN 1/4-MILE OF SITE
- ACTIVE GROUNDWATER MONITORING WELL LOCATION
- ⊗ DESTROYED GROUNDWATER MONITORING WELL LOCATION
- AVERAGE PLUME LENGTH (100 ug/L)
- 90TH PERCENTILE PLUME LENGTH (100 ug/L)
- MAXIMUM PLUME LENGTH (100 ug/L)



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LOS GATOS, CALIFORNIA 95032
PHONE: (408) 355-6124 FAX: (408) 355-6138

FOR:
THE GOODYEAR TIRE AND RUBBER CO.

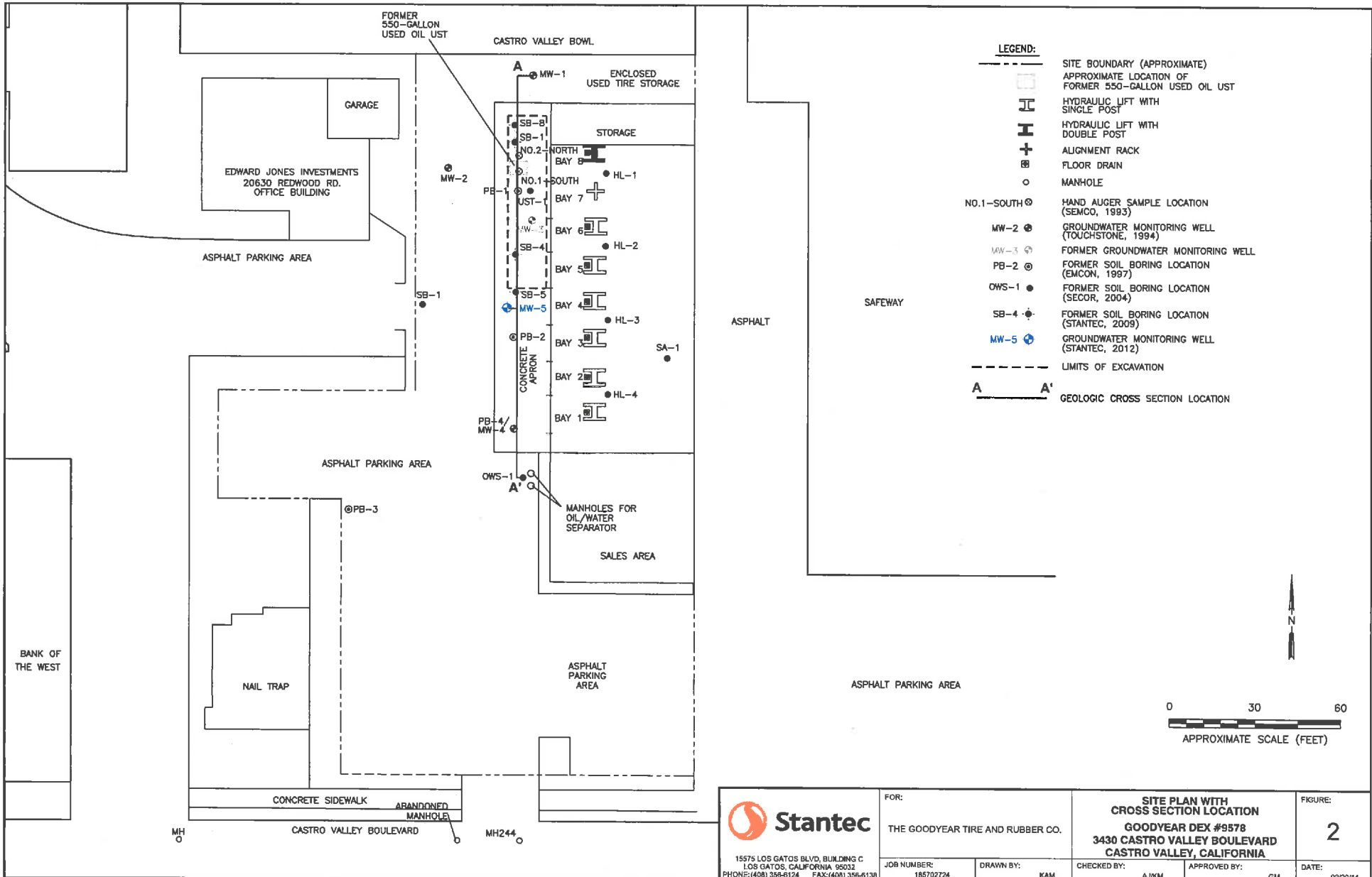
JOB NUMBER: 185702872 DRAWN BY: KAM

**POTENTIAL TPHg PLUME LENGTHS
BASED ON LTCP
TECHNICAL JUSTIFICATION
GOODYEAR DEX #9578
3430 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA**

CHECKED BY: KM APPROVED BY: GM

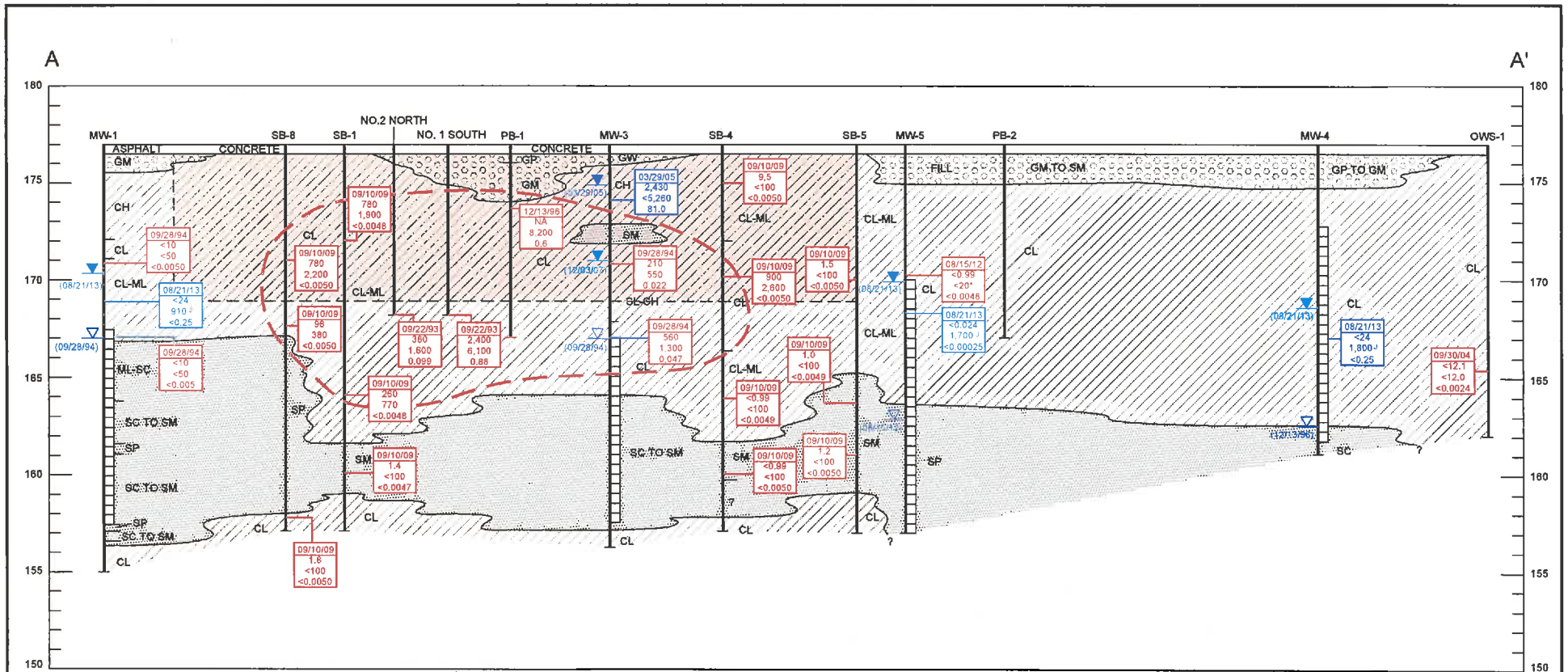
FIGURE:
12

DATE: 01/08/15



FILEPATH:\ACTIVE OFFICE LOS GATOS\Goodyear\98055- CASTRO VALLEY\185702724 SCM 20131185702724-SM13.dwg [Michele] Feb 21, 2014 at 17:03 [layout] FIGURE 2

<p>15575 LOS GATOS BLVD, BUILDING C LOS GATOS, CALIFORNIA 95032 PHONE: (408) 358-6124 FAX: (408) 358-6138</p>	FOR: THE GOODYEAR TIRE AND RUBBER CO.		SITE PLAN WITH CROSS SECTION LOCATION GOODYEAR DEX #9578 3430 CASTRO VALLEY BOULEVARD CASTRO VALLEY, CALIFORNIA		FIGURE: 2
	JOB NUMBER: 185702724	DRAWN BY: KAM	CHECKED BY: AJKM	APPROVED BY: GM	DATE: 02/20/14



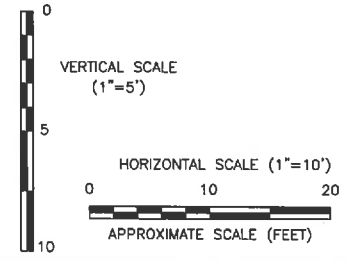
LEGEND:

- GP/GM/GW - GRAVEL/BASE ROCK/FILL
- CH/CL/CL-ML - CLAY/SILTY CLAY
- SC/SM/SP - SAND/SILTY SAND/GRAVELLY SAND
- APPROXIMATE LIMITS OF EXCAVATION (AUGUST 2012)
- SCREENED INTERVAL

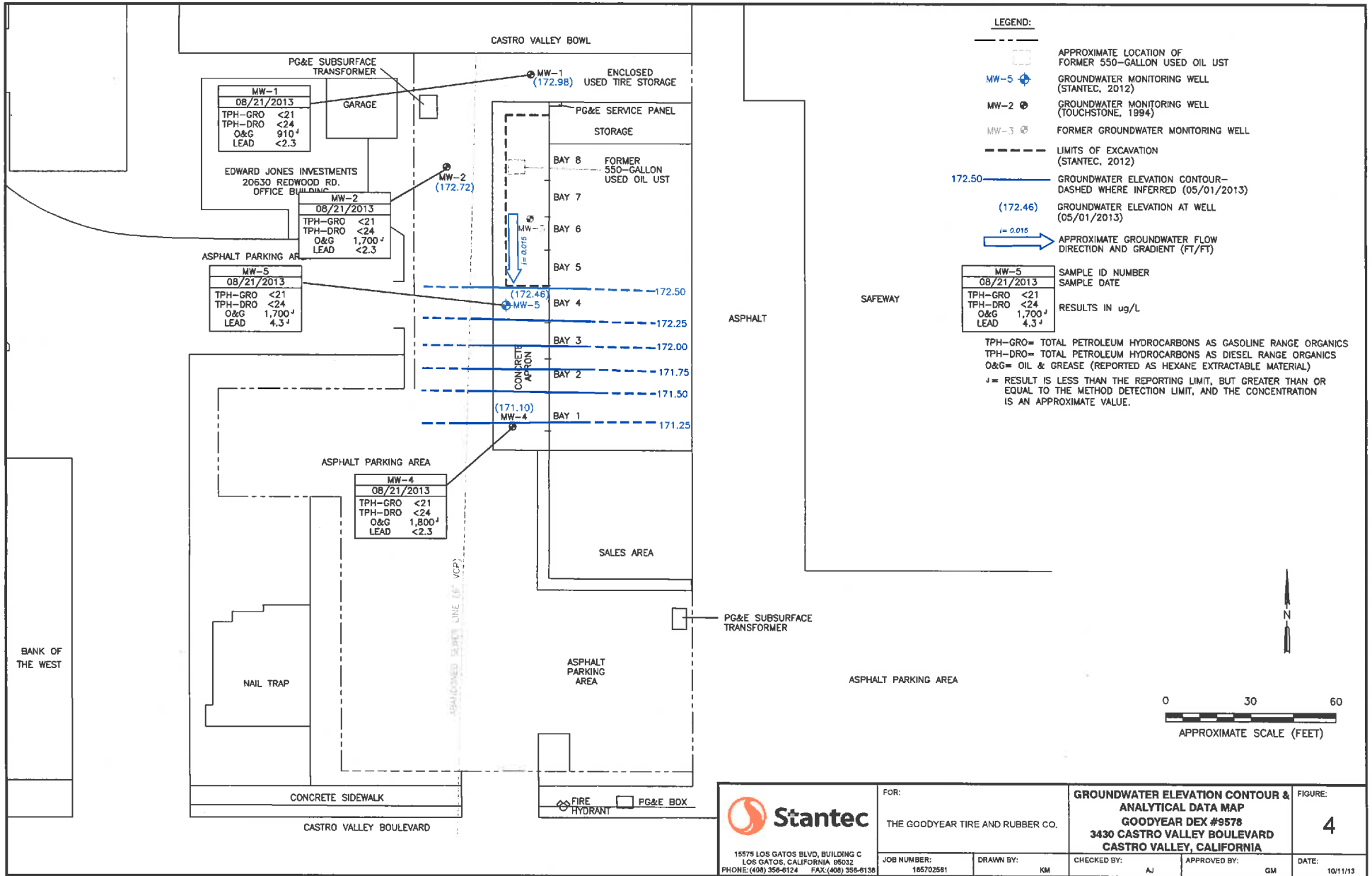
STATIC GROUNDWATER WITH DATE MEASURED
 (12/03/07)
 INITIAL GROUNDWATER WITH DATE MEASURED
 (09/28/04)
GROUNDWATER ANALYTICAL RESULTS
 SAMPLE DATE
 09/28/04
 560 TPH-DRO
 1,300 O & G
 <0.047 BENZENE
 GROUNDWATER RESULTS IN ug/L (MICROGRAMS PER LITER)

SOIL ANALYTICAL RESULTS
 SAMPLE DATE
 09/10/09
 <100 TPH-DRO
 <0.0047 O & G
 <0.0047 BENZENE
 SOIL RESULTS IN mg/kg (MILLIGRAMS PER KILOGRAM)
 TPH-DRO= TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS
 O&G= OIL AND GREASE

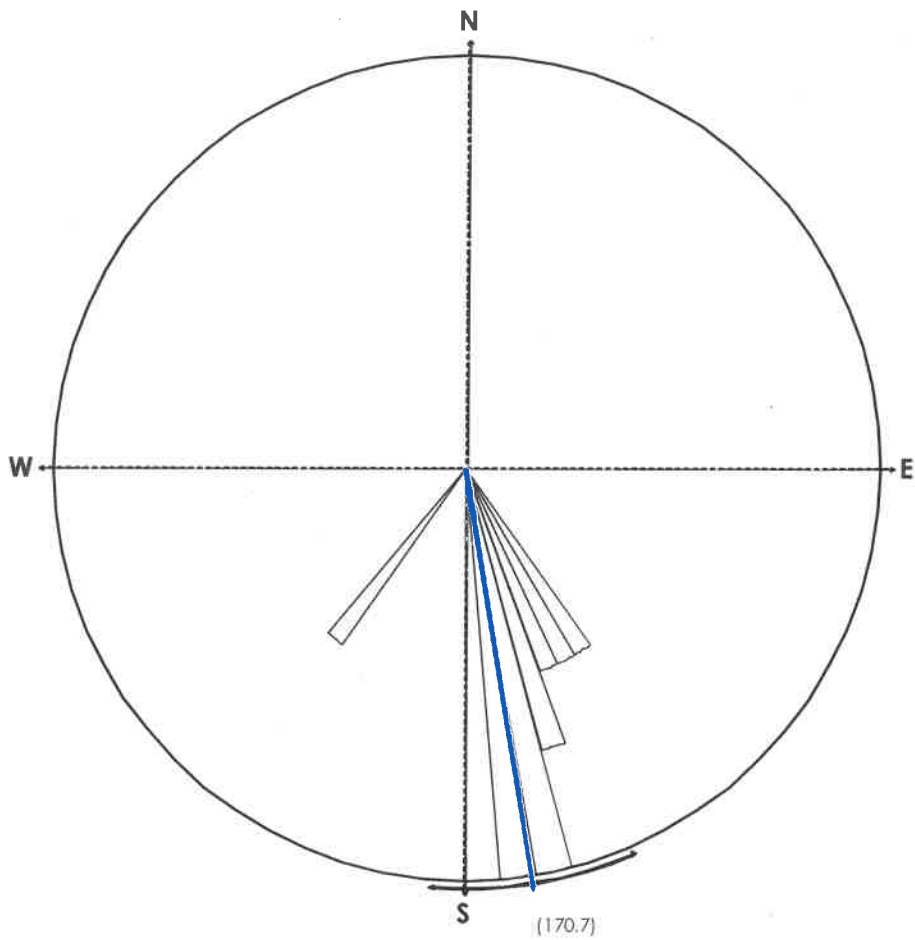
- TPH-GRO > 100mg/kg OR
TPH-DRO > 50 mg/kg
- RESULT IS LESS THAN THE REPORTING LIMIT, BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE
- LCS OR LCSD EXCEEDS THE CONTROL LIMITS
LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE



	FOR:	GEOLOGIC CROSS SECTION A-A'		FIGURE:	
	THE GOODYEAR TIRE AND RUBBER CO.		GOODYEAR DEX #9578 3430 CASTRO VALLEY BOULEVARD CASTRO VALLEY, CALIFORNIA		3
JOB NUMBER:	165702724	DRAWN BY:	KAM	CHECKED BY:	AJKM
15575 LOS GATOS BLVD, BUILDING C LOS GATOS, CALIFORNIA 95032 PHONE: (408) 356-6124 FAX: (408) 356-6136				APPROVED BY:	GM
				DATE:	08/25/14



<p>15575 LOS GATOS BLVD, BUILDING C LOS GATOS, CALIFORNIA 95032 PHONE: (408) 356-6124 FAX: (408) 356-6136</p>	FOR:	GROUNDWATER ELEVATION CONTOUR & ANALYTICAL DATA MAP GOODYEAR DEX #9578 3430 CASTRO VALLEY BOULEVARD CASTRO VALLEY, CALIFORNIA		FIGURE:		
	THE GOODYEAR TIRE AND RUBBER CO.	JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
	165702581	KM	AJ	GM	10/11/13	4



EQUAL AREA PLOT

Number of Points 18
 Class Size 5
 Vector Mean 170.73
 Vector Magnitude 17.44
 Consistency Ratio 0.97

NOTE: ROSE DIAGRAM IS BASED ON THE DIRECTION OF GROUNDWATER FLOW BEGINNING THIRD QUARTER 1994.


 15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138	FOR: THE GOODYEAR TIRE AND RUBBER COMPANY		ROSE DIAGRAM FORMER MERRITT TIRE SALES/ GOODYEAR DEX #9578 3430 CASTRO VALLEY BOULEVARD CASTRO VALLEY, CALIFORNIA		FIGURE:
	JOB NUMBER: 185702561	DRAWN BY: NMB	CHECKED BY: JRO	APPROVED BY: AJ	DATE: 06/17/14

TABLE 3
Groundwater Monitoring Well Construction Details and
Historical Groundwater Elevation Data

Former Merritt Tire Sales/Goodyear DEX #9578
3430 Castro Valley Boulevard
Castro Valley, CA

Well ID	Screen Interval (feet, bgs)	Date	TOC Elevation (feet, msl)	DTW (feet)	DTP (feet)	Groundwater Elevation (feet, msl)	
MW-1	10-20	09/30/94	177.17	4.43		172.74	
		04/24/95		4.43		172.74	
		08/28/02		6.04		171.13	
		09/30/03		5.76*		171.41	
		09/30/04		6.23		170.94	
		03/29/05		3.44		173.73	
		05/30/06		4.93		172.24	
		06/15/06		5.05		172.12	
		12/14/06		4.55		172.62	
		06/27/07		5.59		171.58	
		12/03/07		5.82		171.35	
		06/30/08		5.68		171.49	
		12/04/08		6.02		171.15	
		06/05/09		5.72		171.45	
		08/21/12		179.80	6.26		173.54
		01/29/13		179.80	5.75		174.05
		05/01/13		179.80	6.20		173.60
08/21/13		179.80	6.82		172.98		
05/21/14		179.80	--		--		
MW-2	9-19.5	09/30/94	176.55	4.38		172.17	
		04/24/95		4.38		172.17	
		08/28/02		5.66		170.89	
		09/30/03		5.40*		171.15	
		09/30/04		5.86		170.69	
		03/29/05		3.03		173.52	
		05/30/06		4.59		171.96	
		06/15/06		4.71		171.84	
		12/14/06		4.20		172.35	
		06/27/07		5.19		171.36	
		12/03/07		5.46		171.09	
		06/30/08		5.33		171.22	
		12/04/08		5.65		170.90	
		06/05/09		5.35		171.20	
		08/21/12		179.19	5.88		173.31
		01/29/13		179.19	5.41		173.78
		05/01/13		179.19	5.84		173.35
08/21/13		179.19	6.47		172.72		
05/21/14		179.19	--		--		
MW-3*	10.5-19.5	09/30/94	176.97	--	--	--	
		04/24/95		4.91		172.06	
		02/09/96		--	--	--	
		12/31/96		--	--	--	
		08/28/02		11.25	5.56	165.72	
		09/30/03		6.19	5.92	170.78	
		09/30/04		6.35	6.30	170.62	

TABLE 3
Groundwater Monitoring Well Construction Details and
Historical Groundwater Elevation Data

Former Merritt Tire Sales/Goodyear DEX #9578
 3430 Castro Valley Boulevard
 Castro Valley, CA

Well ID	Screen Interval (feet, bgs)	Date	TOC Elevation (feet, msl)	DTW (feet)	DTP (feet)	Groundwater Elevation (feet, msl)	
MW-3* Continued		03/29/05		3.77	3.77	173.20	
		05/30/06		--	--	--	
		12/14/06			4.75	--	172.22
		06/27/07			6.89	5.10	170.08
		12/03/07			5.97	4.15	171.00
		06/30/08			--	5.80	--
		12/04/08			--	5.75	--
		06/05/09			--	5.75	--
MW-4	5-14.5	12/31/96	176.98	--		--	
		08/28/02		7.40		169.58	
		09/30/03		7.21*		169.77	
		09/30/04		7.56		169.42	
		03/29/05		5.23		171.75	
		05/30/06		6.67		170.31	
		12/14/06		6.15		170.83	
		06/27/07		7.16		169.82	
		12/03/07		7.32		169.66	
		06/30/08		7.31		169.67	
		12/04/08		7.45		169.53	
		06/05/09		7.30		169.68	
		08/21/12	179.61	7.67		171.94	
		01/29/13	179.61	7.65		171.96	
		05/01/13	179.61	7.98		171.63	
08/21/13	179.61	8.51		171.10			
05/21/14	179.61	7.92		171.69			
MW-5	7-20	08/21/12	179.42	6.35		173.07	
		01/29/13	179.42	5.95		173.47	
		05/01/13	179.42	6.35		173.07	
		08/21/13	179.42	6.96		172.46	
		05/21/14	179.42	6.15		173.27	

Notes:

- TOC = top of casing
- DTW = depth to groundwater
- DTP = depth to product
- msl = mean sea level
- bgs = below ground surface
- = not measured / not calculated
- * = MW-3 was decommissioned on September 10, 2009.

TABLE 4
Historical Groundwater Analytical Results
Former Merrill Tire Sales/Goodyear DEX #9578
3430 Castro Valley Boulevard
Castro Valley, California

Groundwater Monitoring Well ID	Sample Date	TPH-GRO	TPH-DRO	O & G/HEM	Benzene	Toluene	Ethylbenzene	Total Xylenes	MIBE	EDC	EDB	DEHP	Vinyl Chloride	1,1-DCE	1,1-DCA	cis 1,2-DCE	Chloroform	1,1,1-TCE	TCE	PCE	Naphthalene	n-Butylbenzene	Chloroethane	Isopropylbenzene	n-Propylbenzene	1,2,4-TMBZ	Chromium	lead	Nickel	Zinc	
MW-5	08/21/12	<21	<24	1,700 ¹	<0.25	<0.17	<0.070	<0.49	0.17 ¹	<0.077	<0.075	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/29/13	<21	<24	1,800 ¹	<0.25	<0.17	<0.13	<0.49	0.44 ¹	<0.077	<0.075	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/01/13	<50	<53	<1,500	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/21/13	<21	<24	1,700 ¹	<0.25	<0.17	<0.13	<0.49	0.091 ¹	<0.077	<0.075	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/21/14	NA	NA	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<9.6	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	NA	NA	NA	NA	NA

Notes:
All groundwater concentrations measured in micrograms per liter (µg/L)
TPH-GRO = Total petroleum hydrocarbons or gasoline range organics; historically analyzed by EPA Method 8015B; beginning December 3, 2007 TPHg analyzed by LUT GC/MS 82606
TPH-DRO = Total petroleum hydrocarbons as diesel range organics; analyzed by EPA Method 8015B/3510; beginning August 21, 2012 analyzed by 8015B with silica gel cleanup
HEM = Hexane extractable materials
Oil & Grease = also reported as HEM with silica gel cleanup (SGT-HEM) analyzed by EPA 1664A.
BTEX = benzene, toluene, ethylbenzene, and total xylenes; historically analyzed by EPA Method 8021B; beginning September 30, 2003 VOCs analyzed by EPA Method 8260B
MIBE = Methyl tert-butyl ether; historically analyzed by EPA Method 8021B; beginning September 30, 2003 volatile organic compounds analyzed by EPA Method 8260B
DEHP = Bis (2-ethylhexyl) phthalate
EDC = 1,2-Dichloroethane analyzed by EPA Method 8260B
EDB = Ethylene Dibromide analyzed by EPA Method 8260B
1,1-DCE = 1,1-Dichloroethene
1,1-DCA = 1,1-Dichloroethane
cis 1,2-DCE = cis 1,2-Dichloroethene
TCE = Trichloroethene
PCE = Tetrachloroethene
1,1,1-TCE = 1,1,1-Trichloroethane
1,2,4-TMBZ = 1,2,4-Trimethylbenzene
Bold numbers denote concentration levels at or above laboratory reporting limits.
¹ = Historical groundwater data as referenced in Secor groundwater monitoring report dated 4/26/15.
NA = Not Analyzed
NS = Not Sampled
ND = Not Detected - as reported in EMCON's Expanded Assessment and Risk-Based Corrective Action Evaluation report, dated March 4, 1997
FP = Free product, well not sampled
L = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptable limits. Analyte not detected, data not impacted.
* = Due to the laboratory exceeding the hold time for 82606 analysis, MW-1 and MW-2 were resampled on 6/15/06.
** = Groundwater Monitoring Well MW-3 was destroyed September 10, 2009.
² = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
< = Concentration is below method detection limit (MDL) or laboratory reporting limit (RL) when MDL is not presented (see analytical reports for details).

TABLE 2
Historical Grab Groundwater Analytical Results
Former Merritt Tire Sales/Goodyear DEX #9578
3430 Castro Valley Boulevard
Castro Valley, California

Groundwater Monitoring Well ID	Sample Date	TPH-GRO	TPH-DRO	Oil & Grease / HEM	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Lead	1,2-Dichloroethane (EDC)	Ethylene Dibromide (EDB)
SWRCB LTCP Closure Criteria		NE	NE	NE	1,000	NE	NE	NE	1,000	NE	NE	NE
SB-1W	09/30/04	<50	<50	<100	NA	NA	NA	NA	NA	NA	NA	NA
SB-1-GW	09/10/09	<50	125	4,400	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA
SB-4-GW	09/10/09	<50	106	<16,000	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA
SB-5-GW	09/10/09	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA

Notes:

All groundwater concentrations measured in micrograms per liter (µg/L)

TPH-GRO = Total petroleum hydrocarbons as gasoline range organics; historically analyzed by EPA Method 8015B; beginning December 3, 2007 TPHg analyzed by LUFT GC/MS 8260B

TPH-DRO = Total petroleum hydrocarbons as diesel range organics; analyzed by EPA Method 8015B/3510; beginning August 21, 2012 analyzed by 8015B with silica gel cleanup

HEM = Hexane extractable materials

Oil & Grease = Also reported as HEM with silica gel cleanup (SGT-HEM) analyzed by EPA 1664A.

BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes; historically analyzed by EPA Method 8021B; beginning September 30, 2003 VOCs analyzed by EPA Method 8260B

MTBE = Methyl tert-butyl ether; historically analyzed by EPA Method 8021B; beginning September 30, 2003 volatile organic compounds analyzed by EPA Method 8260B

EDC and EDB = analyzed by EPA Method 8260B

SWRCB LTCP Closure Criteria = State Water Resources Control Board's (SWRCB) Low-Threat Underground Storage Tank Case Closure Policy (LTCP), Media-Specific Closure Criteria for sites with commercial/industrial use.

NE = No established SWRCB LTCP Closure Criteria

NA = Not Analyzed

< = concentration is below method detection limit (MDL) or laboratory reporting limit (RL) when MDL is not presented

Bold numbers denote concentration levels at or above laboratory reporting limits.

Denotes concentration at or above SWRCB LTCP Closure Criteria

ATTACHMENT 4

Attachment 4 – Vapor Intrusion Evaluation and Data

LTCP VAPOR SPECIFIC CRITERIA - PETROLEUM								
Closure Scenario								
Exemption: <input type="checkbox"/> Active fueling station exempt from vapor specific criteria; Active as of date: Not Applicable								
<input type="checkbox"/> Scenario 1; <input type="checkbox"/> Scenario 2; <input type="checkbox"/> Scenario 3a; <input type="checkbox"/> Scenario 3b; <input checked="" type="checkbox"/> Scenario 3c; <input type="checkbox"/> Scenario 4a without bioattenuation zone; <input type="checkbox"/> Scenario 4b with bioattenuation zone; <input type="checkbox"/> Site specific risk assessment demonstrates human health is protected; <input checked="" type="checkbox"/> Exposure controlled through use of mitigation measures or institutional controls; <input checked="" type="checkbox"/> Case closed in spite of not meeting the vapor specific media criteria								
Shading indicates Site Specific Data and Bold Text indicates Evaluation Criteria								
Site Specific Data		Scenario 1	Scenario 2	Scenario 3A	Scenario 3B	Scenario 3C	Scenario 4a	Scenario 4b
Unweathered LNAPL	No LNAPL	LNAPL in gw	LNAPL in soil	No LNAPL	No LNAPL	No LNAPL	No criteria	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	3 to 4 feet below ground surface (bgs)	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	No criteria	≥ 5 feet
Depth to Shallowest Groundwater	Soil boring: S-8, 10 feet; MW-2, 5.41 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥ 5 feet	≥ 5 feet	≥ 5 feet
Total TPHg & TPHd in Soil in Bioattenuation Zone	2,600 mg/kg EX-20 at 6.5 feet	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	No criteria	<100 mg/kg
Maximum Current Benzene Concentration in Groundwater	< 0.5 µg/L	No criteria	No criteria	<100 µg/L	≥100 and <1,000 µg/L	<1,000 µg/L	No criteria	No criteria
Oxygen Data in Bioattenuation Zone	No oxygen data	No criteria	No criteria	No oxygen data or <4%	No oxygen data or <4%	≥4%	No criteria	≥4% at bottom of zone
Soil Vapor Depth Beneath Foundation	Soil Vapor Samples Not Collected	No criteria	No criteria	No criteria	No criteria	No criteria	5 feet	5 feet
Benzene Concentrations (µg/m ³)	Soil Vapor Samples Not Collected	No criteria	No criteria	No criteria	No criteria	No criteria	Res: < 85; Com: < 280	Res: < 85K; Com: < 280K
Ethylbenzene Concentrations (µg/m ³)	Soil Vapor Samples Not Collected	No criteria	No criteria	No criteria	No criteria	No criteria	Res: < 1,100; Com: < 3,600	Res: < 1,100K; Com: < 3,600K
Naphthalene Concentrations (µg/m ³)	Soil Vapor Samples Not Collected	No criteria	No criteria	No criteria	No criteria	No criteria	Res: < 93; Com: < 310	Res: < 93K; Com: < 310K

Attachment 4 – Vapor Intrusion Evaluation and Data

LTCP VAPOR SPECIFIC CRITERIA – PETROLEUM (cont.)	
Vapor Intrusion to Indoor Air Analysis	
Onsite	<p>The unsaturated zone at the site is greater than 5 feet thick. However, significant residual TPHd and TPHg remains in soil from depths as shallow as 6.5 feet below ground surface (bgs). Concentrations of naphthalene are present in soil at 1.6 milligrams per kilogram (mg/kg) in EX-8 at a depth of approximately 5 feet bgs and in EX-10 at 2.3 mg/kg at 5 feet bgs. There appears to be no detectable benzene, ethylbenzene, or naphthalene impacts in groundwater at acceptable laboratory detection limits. ACDEH has determined that the vapor intrusion risk at the site appears to be low due to the commercial site usage as a tire shop with open air service bays and land use restrictions that limit the site to the current land use and building configuration.</p>
Offsite	<p>The petroleum hydrocarbon plume does not extend offsite as defined by well MW-4 located 90 feet south and downgradient of the former waste oil UST and immediately adjacent to the southern property line. Therefore ACDEH has concluded that there is not an offsite vapor intrusion risk.</p>

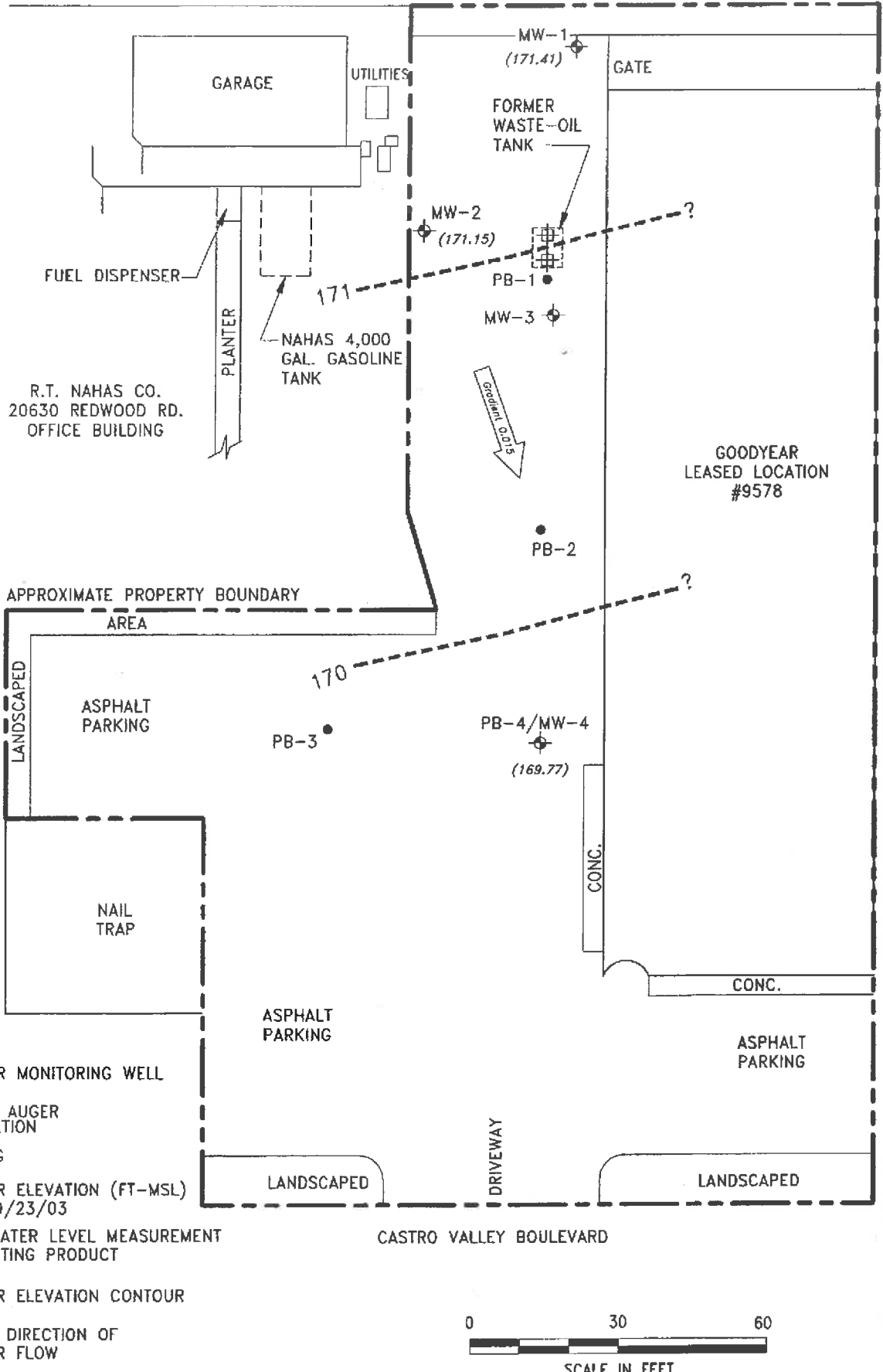
ATTACHMENT 5

Attachment 5 – Direct Contact Evaluation and Data

LTCP DIRECT CONTACT AND OUTDOOR AIR EXPSURE CRITERIA						
Closure Scenario						
<p>__ Exemption (no petroleum hydrocarbons in upper 10 feet), __ Maximum concentrations of petroleum hydrocarbons are less than or equal to those in Table 1 below, __ Site-specific risk assessment, __ A determination has been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health, <u>X</u> A determination has been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls, __ This case should be closed in spite of not meeting the direct contact and outdoor air specific media criteria.</p>						
Shading indicates Site Specific Data that meets the Evaluation Criteria and Bold Text indicates Evaluation Criteria						
Are maximum concentrations less than those in Table 1 below?				No		
Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 10 feet bgs (mg/kg)
Site Maximum	Benzene	0.12	0.051	0.12	0.051	0.12
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	0.27	0.32	0.27	0.32	0.32
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	1.6	2.3	1.6	2.3	2.3
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	3.52	<0.629	3.52	-----	3.52
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5
Direct Contact and Outdoor Air Analysis						
Onsite		<p>Concentrations of Polyaromatic Hydrocarbons (PAHs) exceeding the benzo(a)pyrene toxicity equivalent (BaPe) of 3.52 mg/kg are present in soil at a depth of 5 feet bgs in EX-5 located adjacent to the service bay 8. Under the current land use scenario (commercial), the subject site does not meet the commercial/industrial criteria for Direct Contact and Outdoor Air, for Utility Worker, or for residential land use criteria. However, under the current land use, the entire site is paved resulting in a low potential for direct contact exposure under the current land use. Due to residual contamination at the site, the site is closed as a commercial site with site management requirements and land use restrictions that limit the site to the current land use and building configuration. If there is a proposed change in land use to any residential, or conservative land use, or if any redevelopment occurs, Alameda County Department of Environmental Health (ACDEH) must be notified as required by Government Code Section 65850.2.2. ACDEH will re-evaluate the site relative to the proposed redevelopment. Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.</p>				

Attachment 5 – Direct Contact Evaluation and Data

Offsite	<p>Based on site analytical data, petroleum hydrocarbon impacts from the waste oil UST at this case are not expected to be found offsite because the former waste oil UST had been centrally located at the site and a corrective action plan consisting of excavation of a rectangular area 60 feet by 15 feet by 8 feet deep surrounding the former waste oil UST was implemented in 2012. ACDEH has determined that under the current land use, the site is paved resulting in a low potential for direct contact exposure under the current land use. Due to Site Management Requirements, excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during future excavation and construction activities.</p>
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LEGEND:

- ⊕ GROUNDWATER MONITORING WELL
- ⊕ SEMCO HAND AUGER SAMPLE LOCATION
- PUSH BORING
- (173.13) GROUNDWATER ELEVATION (FT-MSL) MEASURED 09/23/03
- NO GROUNDWATER LEVEL MEASUREMENT DUE TO FLOATING PRODUCT

--- GROUNDWATER ELEVATION CONTOUR

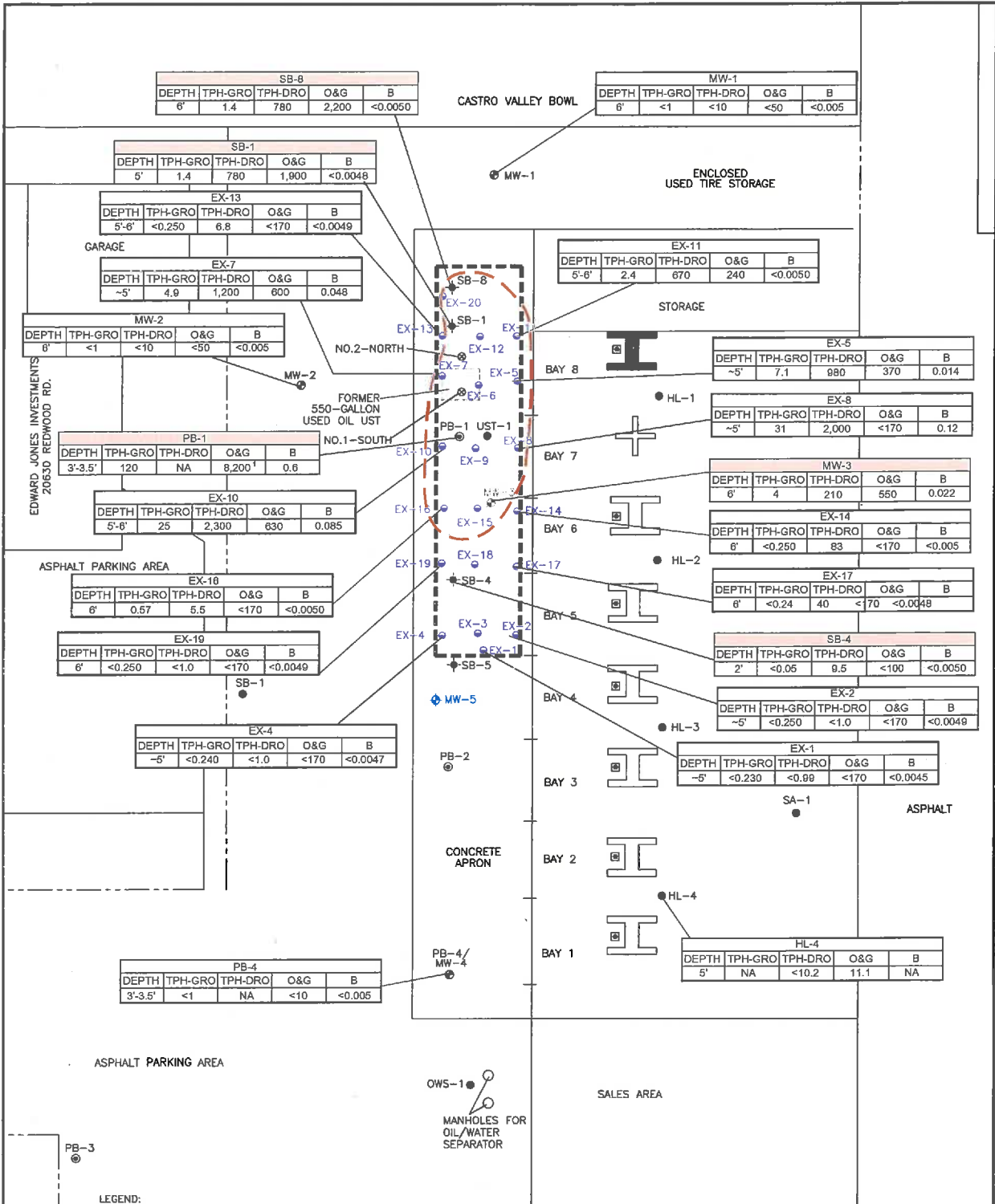
Gradient 0.015 → APPROXIMATE DIRECTION OF GROUNDWATER FLOW

SECOR
International Incorporated

DRAWN BY:	DW	APP. BY:	JH
DATE:	10-20-03		
JOB NO.:	08GY.800060.00		
DRAWING NO.	8578-SLM	REV.	B

FIGURE 2
FORMER MERRITT TIRE/GOODYEAR LEASED LOCATION #9578
3430 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA
SITE LOCATION MAP
WITH GROUNDWATER CONTOURS

\\nas001\users\merritt\merritt\8578-000060.dwg 08/23/03 4:08



SB-8				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
6'	1.4	780	2,200	<0.0050

MW-1				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
6'	<1	<10	<50	<0.005

SB-1				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
5'	1.4	780	1,900	<0.0048

EX-13				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
5'-6'	<0.250	6.8	<170	<0.0049

EX-7				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
~5'	4.9	1,200	600	0.048

EX-11				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
6'-6'	2.4	670	240	<0.0050

MW-2				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
6'	<1	<10	<50	<0.005

EX-5				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
~5'	7.1	980	370	0.014

PB-1				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
3'-3.5'	120	NA	8,200 ¹	0.6

EX-8				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
~5'	31	2,000	<170	0.12

EX-10				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
5'-6'	25	2,300	630	0.085

MW-3				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
6'	4	210	550	0.022

EX-14				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
6'	<0.250	83	<170	<0.005

EX-18				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
6'	0.57	5.5	<170	<0.0050

EX-17				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
6'	<0.24	40	<170	<0.0048

EX-19				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
6'	<0.250	<1.0	<170	<0.0049

SB-4				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
2'	<0.05	9.5	<100	<0.0050

EX-4				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
~5'	<0.240	<1.0	<170	<0.0047

EX-2				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
~5'	<0.250	<1.0	<170	<0.0049

EX-1				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
~5'	<0.230	<0.99	<170	<0.0045

PB-4				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
3'-3.5'	<1	NA	<10	<0.005

HL-4				
DEPTH	TPH-GRO	TPH-DRO	O&G	B
5'	NA	<10.2	11.1	NA

ASPHALT PARKING AREA

PB-3

LEGEND:

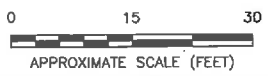
- NO.1-SOUTH ⊗ HAND AUGER SAMPLE LOCATION (SEMCO, 1993)
- MW-2 ⊗ GROUNDWATER MONITORING WELL (TOUCHSTONE, 1994)
- MW-3 ⊗ FORMER GROUNDWATER MONITORING WELL
- PB-2 ⊗ FORMER SOIL BORING LOCATION (EMCON, 1997)
- OWS-1 ● FORMER SOIL BORING LOCATION (SECOR, 2004)
- SB-4 ⊕ FORMER SOIL BORING LOCATION (STANTEC, 2009)
- MW-5 ⊕ GROUNDWATER MONITORING WELL (STANTEC, 2012)
- EX-1 ⊗ SOIL SAMPLE LOCATION (STANTEC, 2012)

SB-4 SAMPLE LOCATION REMOVED DURING SUBSEQUENT REMEDIAL CORRECTIVE ACTION

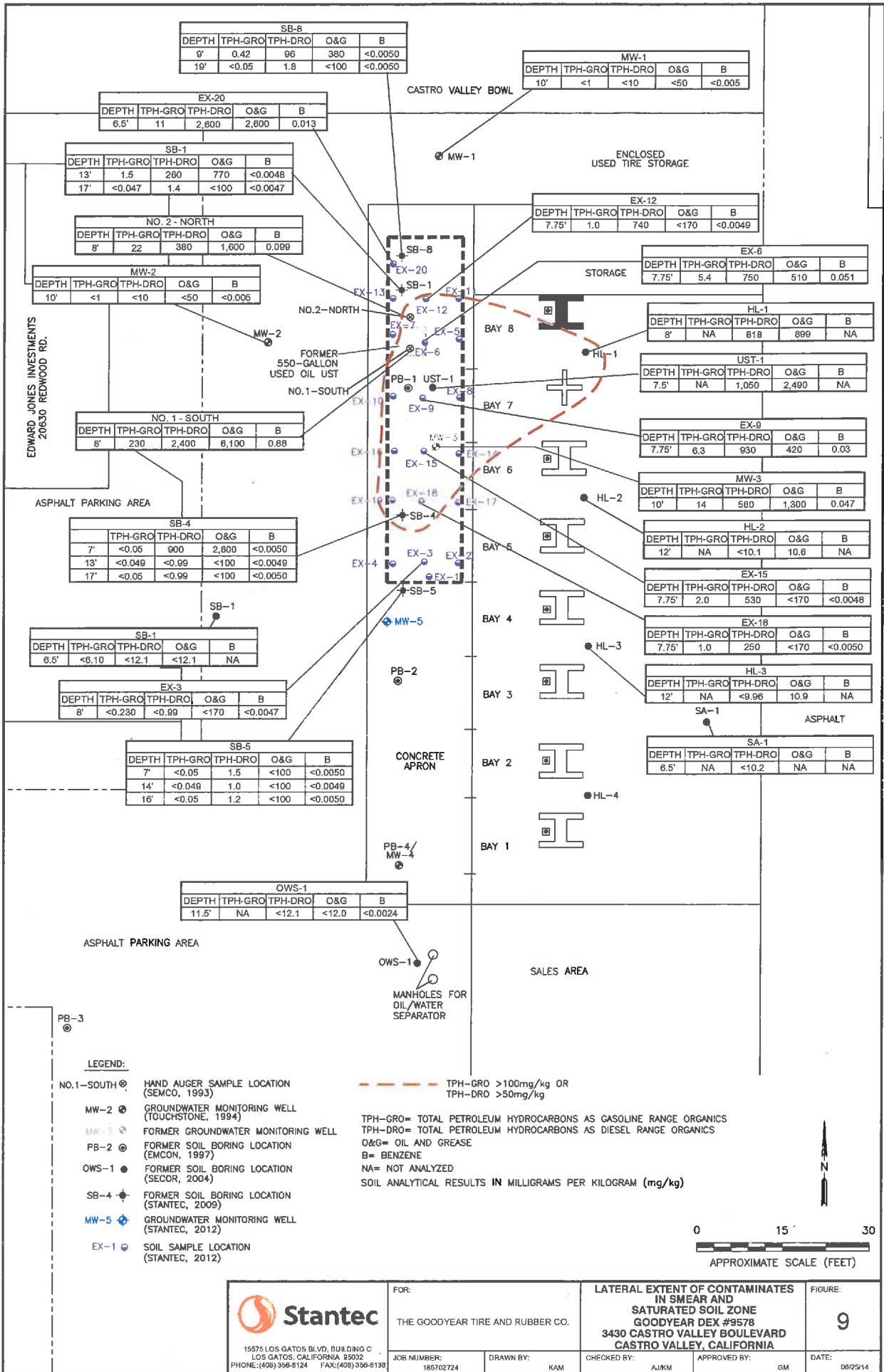
--- TPH-GRO >100mg/kg OR
TPH-DRO >50mg/kg

TPH-GRO= TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS
 TPH-DRO= TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS
 O&G= OIL AND GREASE
 B= BENZENE
 NA= NOT ANALYZED
 SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

¹ HISTORICAL GROUNDWATER DATA AS REFERENCED IN SECOR GROUNDWATER MONITORING REPORT DATED 4/26/05.



<p>15575 LOS GATOS BLVD, BUILDING C LOS GATOS, CALIFORNIA 95032 PHONE: (408) 350-6124 FAX: (408) 350-6138</p>	FOR:	LATERAL EXTENT OF CONTAMINANTS IN UNSATURATED ZONE SOIL GOODYEAR DEX #9578 3430 CASTRO VALLEY BOULEVARD CASTRO VALLEY, CALIFORNIA	FIGURE:
	THE GOODYEAR TIRE AND RUBBER CO.		8
JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:
182602724	KAM	KM	GM
DATE:			06/26/14



FOR: THE GOODYEAR TIRE AND RUBBER CO.

JOB NUMBER: 185702724
 DRAWN BY: KAM
 CHECKED BY: AJKM
 APPROVED BY: GM
 DATE: 06/25/14

LATERAL EXTENT OF CONTAMINATES IN SMEAR AND SATURATED SOIL ZONE
 GOODYEAR DEX #9578
 3430 CASTRO VALLEY BOULEVARD
 CASTRO VALLEY, CALIFORNIA

FIGURE: 9

Table 1
Summary of Soil Sampling Results
Rynck Tire Store (Goodyear Service Center #9578)
Located at 3430 Castro Valley Blvd., Castro Valley, California

No	Sample I.D. Number	Date Collected	TEPH (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)	Chromium (mg/Kg)	Cadmium (mg/Kg)	Lead (mg/Kg)
1	Spoils Pile	4/5/96	14,000	34	93	21	ND	16
2	#1 Hoist - 10'	4/12/96	220	NA	NA	NA	NA	NA

ND = Not Detected

NA = Not Analyzed

16.0 RE-EXCAVATING AND RE-SAMPLING

Since the analytical results from the excavation pit sample was less than the action levels, no additional sampling was needed.

17.0 BACKFILLING

Clean backfill was placed in the excavation. The fill was compacted with a hydraulic compactor. After the fill was compacted to subgrade, the area was resurfaced to match existing.

18.0 DISPOSAL

18.1 EXCAVATED SOIL

A total of 16.6 tons of soil were off hauled to a soil recycler. The name and address of the recycler was:

REMCO
2717 Goodrick Avenue
Richmond, California 94801

The name and address of the transporter was:

Rich Hamilton Trucking.
1336 Pauline Avenue
Modesto, California 95351

TABLE 1
RESULTS OF ANALYSES
SUPERIOR ANALYTICAL REPORT, SEPTEMBER 29, 1993

Laboratory No.	No. 1 - South	No. 2 - North
Gasoline	230	22
Benzene	0.88	0.099
Toluene	7.6	0.88
Ethylbenzene	3.6	0.34
Total Xylenes	24	2.4
Diesel Range	2,400	388
Oil & Grease	6,100	1,600

Note: All concentrations are in mg/Kg (or ppm)

Based on the initial sampling conducted by SEMCO, the Alameda County Department of Environmental Health requested that a preliminary investigation be conducted to determine the extent of potential contamination. Since the time of SEMCO's report in late 1993, there have been efforts between Goodyear Tire & Rubber and the Department of Environmental Health to determine the responsible party or parties. Although it is our understanding that this matter has not been resolved, Goodyear Tire & Rubber is proceeding with the investigation in accordance with the County's letter dated July 7, 1994. The work described in this report has been conducted in accordance with that letter and with our previously stated Work Plan of August 1994.

Site History

Little direct information is known about the site history and operations because the operators of Merritt Tire & Brake have not been available to be interviewed. Records regarding their operations are not available to

TABLE 1
Historical Soil Analytical Results
 Former Merrill Tire Sales / Goodyear DEX #9578
 3430 Castro Valley Boulevard
 Castro Valley, California

Confirmation Sample ID	Sample Depth (feet)	Sample Date	TFH-GRO	TFH-DRO	O & G	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	EDC	EDB	PCE	Carbon disulfide	Fluoranthene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	Cadmium	Chromium	Lead	Nickel	Zinc
SWRCB IICP Cleanup Criteria for Soils 0.5 feet bgs			<100	<100	NE	0.2	NE	09	NE	NE	NE	NE	NE	NE	0.05	NE	45	0.08	0.08	NE	NE	NE	NE	NE
SWRCB IICP Cleanup Criteria for Soils 1.5 feet bgs			<100	<100	NE	12	NE	134	NE	NE	NE	NE	NE	NE	NE	NE	45	NE	NE	NE	NE	NE	NE	NE
No. 1-South	8	09/21/93	230	2,400	6,100	0.88	7.4	3.4	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	31	Illegal	32	140
No. 2-North	8	09/21/93	22	390	1,600	0.099	0.68	0.34	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	45	14	33	44
MW 1-1-3	6	09/26/94	<1	<10	<50	<0.005	<0.005	<0.005	<0.005	NA	<0.005	NA	<0.005	NA	<0.3	<0.3	<0.3	NA	<0.3	0.3	28	7	26	30
MW 1-2-2	10	09/26/94	<1	<10	<50	<0.005	<0.005	<0.005	<0.005	NA	<0.005	NA	<0.005	NA	<0.3	<0.3	<0.3	NA	<0.3	NA	NA	NA	NA	NA
MW 2-1-1	6	09/26/94	<1	<10	<50	<0.005	<0.005	<0.005	<0.005	NA	<0.005	NA	<0.005	NA	<0.3	<0.3	<0.3	NA	<0.3	NA	NA	NA	NA	NA
MW 2-2-1	10	09/26/94	<1	<10	<50	<0.005	<0.005	<0.005	<0.005	NA	<0.005	NA	<0.005	NA	<0.3	<0.3	<0.3	NA	<0.3	NA	NA	NA	NA	NA
MW 3-1-1	6	09/26/94	4	210	550	0.022	0.072	0.067	0.28	NA	<0.005	NA	<0.005	NA	<0.3	<0.3	<0.3	NA	<0.3	NA	NA	NA	NA	NA
MW 3-2-2	10	09/26/94	14	566	1,300	0.047	0.016	0.068	0.58	NA	<0.005	NA	0.031	NA	<0.3	0.7	0.6	NA	<0.3	NA	NA	NA	NA	NA
PB-1	3-3.5	12/13/96	120	NA	8200 ¹	0.6	3.8	1.6	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PB-4	3-3.5	12/13/96	<1	NA	<10	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OWS-1	11.5	09/30/04	NA	<12.1	<12.0	<0.0024	<0.0024	<0.0024	<0.0024	<0.0024	<0.0024	NA	NA	0.00731	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
US1-1	7.5	09/30/04	NA	1,050	2,490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HL-1	8	09/30/04	NA	818	899	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HL-2	12	09/30/04	NA	<10.1	10.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HL-3	12	09/30/04	NA	<9.6	10.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HL-4	5	09/30/04	NA	<10.2	11.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SA-1	6.5	09/30/04	NA	<10.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-1	6.5	09/30/04	<6.10	<12.1	<12.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-1-5'	5	09/10/09	1.4	780	1,900	<0.0048	<0.0048	0.027	<0.0097	<0.0048	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-1-13'	13	09/10/09	1.5	260	770	<0.0048	<0.0048	<0.0048	<0.0096	<0.0048	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-1-17'	17	09/10/09	<0.047	1.4	<100	<0.0047	<0.0047	<0.0047	<0.0094	<0.0047	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-4-2'	2	09/10/09	<0.05	9.5	<100	<0.0050	<0.0050	<0.0050	<0.01	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-4-7'	7	09/10/09	<0.05	900	2,600	<0.0050	<0.0050	<0.0050	<0.01	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-4-13'	13	09/10/09	<0.049	<0.99	<100	<0.0049	<0.0049	<0.0049	<0.0098	<0.0049	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-4-17'	17	09/10/09	<0.05	<0.99	<100	<0.0050	<0.0050	<0.0050	<0.0099	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-5-7'	7	09/10/09	<0.05	1.5	<100	<0.0050	<0.0050	<0.0050	<0.01	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-5-14'	14	09/10/09	<0.049	1.0	<100	<0.0049	<0.0049	<0.0049	<0.0098	<0.0049	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-5-16'	16	09/10/09	<0.05	1.2	<100	<0.0050	<0.0050	<0.0050	<0.0099	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-8-4'	6	09/10/09	1.4	780	2,200	<0.0050	<0.0050	<0.0050	<0.0099	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-8-9'	9	09/10/09	0.42	96	380	<0.0050	<0.0050	<0.0050	<0.01	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-8-19'	19	09/10/09	<0.05	1.8	<100	<0.0050	<0.0050	<0.0050	<0.01	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EX-1	-5	08/13/12	<0.230	<0.99	<170	<0.0045	<0.0048	<0.0045	<0.0091	<0.0045	<0.0045	<0.0045	NA	NA	<0.066	<0.066	<0.066	<0.066	<0.066	NA	NA	8.8	NA	NA
EX-2	-5	08/13/12	<0.230	<1.0	<170	<0.0049	<0.0049	<0.0049	<0.0098	<0.0049	<0.0049	<0.0049	NA	NA	<0.066	<0.066	<0.066	<0.066	<0.066	NA	NA	10	NA	NA
EX-3	8	08/13/12	<0.230	<0.99	<170	<0.0047	<0.0047	<0.0047	<0.0094	<0.0047	<0.0047	<0.0047	NA	NA	<0.067	<0.067	<0.067	<0.067	<0.067	NA	NA	12	NA	NA
EX-4	-5	08/13/12	<0.240	<1.0	<170	<0.0047	<0.0047	<0.0047	<0.0095	<0.0047	<0.0047	<0.0047	NA	NA	<0.067	<0.067	<0.067	<0.067	<0.067	NA	NA	7.6	NA	NA
EX-5	-5	08/14/12	7.1	980	370	0.014	0.022	0.046	0.3	<0.0047	<0.0047	<0.0047	NA	NA	<3.3	<3.3	<3.3	<3.3	<3.3	NA	NA	14	NA	NA
EX-6	7.75	08/14/12	5.4	750	510	0.051	0.092	0.19	0.71	<0.0047	<0.0047	<0.0047	NA	NA	<1.3	<1.3	<1.3	<1.3	<1.3	NA	NA	13	NA	NA
EX-7	-5	08/14/12	4.9	1,200	600	0.048	0.063	0.16	0.037	<0.0049	<0.0049	<0.0049	NA	NA	<0.67	1.7	1.1	<0.67	<0.67	NA	NA	11	NA	NA
MW SB-6.5-7	6.5-7	08/15/12	<0.99	<20 *	<100	<0.0048	<0.0048	<0.0048	<0.0098	<0.0048	<0.0048	<0.0048	NA	NA	<0.066	<0.066	<0.066	<0.066	<0.066	NA	NA	8.0	NA	NA
EX-8	-5	08/16/12	31	2,000	<170	0.12	0.11	0.27	3.9	0.0057	<0.0048	<0.0048	NA	NA	<0.33	2.4	1.4	0.37	0.38	NA	NA	26	NA	NA
EX-9	7.75	08/16/12	6.3	930	420	0.03	0.053	0.14	0.075	<0.0047	<0.0047	<0.0047	NA	NA	<0.33	0.89	0.71	<0.33	<0.33	NA	NA	15	NA	NA
EX-10	5.4	08/16/12	25	2,300	430	0.085	0.41	0.32	3.3	<0.0049	<0.0049	<0.0049	NA	NA	0.85	3.5	2.3	0.47	0.56	NA	NA	0.31	NA	NA
EX-11	5.4	08/17/12	2.4	470	240	<0.0050	<0.0050	<0.0050	<0.0099	<0.0050	<0.0050	<0.0050	NA	NA	<0.33	<0.33	<0.33	<0.33	<0.33	NA	NA	17	NA	NA
EX-12	7.75	08/17/12	1.0	740	<170	<0.0049	<0.0049	0.019	<0.0099	<0.0049	<0.0049	<0.0049	NA	NA	<0.33	<0.33	<0.33	<0.33	<0.33	NA	NA	9.3	NA	NA
EX-13	5.4	08/17/12	<0.25	6.8	<170	<0.0049	<0.0049	<0.0049	<0.0099	<0.0049	<0.0049	<0.0049	NA	NA	<0.33	<0.33	<0.33	<0.33	<0.33	NA	NA	12	NA	NA
EX-14	6	08/17/12	<0.25	83	<170	<0.0050	<0.0050	<0.0050	<0.0099	<0.0050	<0.0050	<0.0050	NA	NA	<0.067	<0.067	<0.067	<0.067	<0.067	NA	NA	13	NA	NA
EX-15	7.75	08/17/12	2.0	530	<170	<0.0048	<0.0048	0.024	0.014	<0.0048	<0.0048	<0.0048	NA	NA	<0.33	<0.33	<0.33	<0.33	<0.33	NA	NA	11	NA	NA
EX-16	6	08/17/12	0.57	5.5	<170	<0.0050	<0.0050	<0.0050																

TABLE 1
Historical Soil Analytical Results
Former Merritt Tire Sales / Goodyear DEX #9578
3430 Castro Valley Boulevard
Castro Valley, California

Notes:

- All soil concentrations measured in milligrams per kilogram (mg/kg)
- TPH-GRO = Total petroleum hydrocarbons as gasoline range organics; historically analyzed by EPA Method 8015B; beginning December 3, 2007 TPHg analyzed by LUFF GC/MS 8260B
- TPH-DRO = Total petroleum hydrocarbons as diesel range organics; analyzed by EPA Method 8015B/3510; beginning August 21, 2012 analyzed by 8015B with silica gel cleanup
- HEM = Hexane extractable materials
- O & G = Oil and Grease - ¹ Reported as Total Recoverable Petroleum Hydrocarbons (TRPH) by EPA Method 418.1 and also reported as HEM with silica gel cleanup (SGT-HEM) analyzed by EPA 1664A.
- BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes; historically analyzed by EPA Method 8021B; beginning September 30, 2003 VOCs analyzed by EPA Method 8260B
- MIBE = Methyl tert-butyl ether; historically analyzed by EPA Method 8021B; beginning September 30, 2003 volatile organic compounds analyzed by EPA Method 8260B
- EDC and ED8 = 1,2-Dichloroethane and Ethylene Dibromide respectively, analyzed by EPA Method 8260B
- PCE = Tetrachloroethene
- SWRCB LTCP = State Water Resources Control Board's (SWRCB) Low-Threat Underground Storage Tank Case Closure Policy (LTCP), Media-Specific Closure Criteria for sites with Closure Criteria = commercial/industrial use.
 - NE = No established SWRCB LTCP Closure Criteria
 - NA = Not analyzed
 - < = concentration is below laboratory reporting limit (RL) (see analytical reports for details)
 - Bold numbers denote concentration levels at or above laboratory reporting limits.**
 - * = LCS or LCSD exceeds the control limits
 - Denote concentration at or above SWRCB LTCP Closure Criteria

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear - DEX # 9578.3430

TestAmerica Job ID: 720-43926-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: EX-1
Date Collected: 08/13/12 22:22
Date Received: 08/14/12 07:08

Lab Sample ID: 720-43926-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
2-Chlorophenol	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Benzyl alcohol	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
2-Methylphenol	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Hexachloroethane	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Nitrobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Isophorone	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
2-Nitrophenol	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Naphthalene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
4-Chloroaniline	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Hexachlorobutadiene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
2-Methylnaphthalene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
2-Chloronaphthalene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
2-Nitroaniline	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Acenaphthylene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
3-Nitroaniline	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Acenaphthene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
4-Nitrophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Dibenzofuran	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Diethyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Fluorene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
4-Nitroaniline	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Hexachlorobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Pentachlorophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Phenanthrene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Anthracene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Fluoranthene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Pyrene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: Goodyear - DEX # 9578.3430

TestAmerica Job ID: 720-43926-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EX-1

Date Collected: 08/13/12 22:22

Date Received: 08/14/12 07:08

Lab Sample ID: 720-43926-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Chrysene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Benzo[a]pyrene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Benzoic acid	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Azobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	74		21 - 98	08/14/12 22:09	08/21/12 17:32	1
2-Fluorobiphenyl	80		30 - 112	08/14/12 22:09	08/21/12 17:32	1
Terphenyl-d14	102		32 - 117	08/14/12 22:09	08/21/12 17:32	1
2-Fluorophenol	76		28 - 98	08/14/12 22:09	08/21/12 17:32	1
Phenol-d5	67		23 - 101	08/14/12 22:09	08/21/12 17:32	1
2,4,6-Tribromophenol	94		37 - 114	08/14/12 22:09	08/21/12 17:32	1

Client Sample ID: EX-2

Date Collected: 08/13/12 22:18

Date Received: 08/14/12 07:08

Lab Sample ID: 720-43926-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
2-Chlorophenol	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Benzyl alcohol	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
2-Methylphenol	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Hexachloroethane	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Nitrobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Isophorone	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
2-Nitrophenol	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Naphthalene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
4-Chloroaniline	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Hexachlorobutadiene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
2-Methylnaphthalene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: Goodyear - DEX # 9578.3430

TestAmerica Job ID: 720-43926-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EX-2
Date Collected: 08/13/12 22:18
Date Received: 08/14/12 07:08

Lab Sample ID: 720-43926-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
2-Chloronaphthalene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
2-Nitroaniline	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Acenaphthylene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
3-Nitroaniline	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Acenaphthene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
4-Nitrophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Dibenzofuran	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Diethyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Fluorene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
4-Nitroaniline	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Hexachlorobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Pentachlorophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Phenanthrene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Anthracene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Fluoranthene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Pyrene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Chrysene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Benzo[a]pyrene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Benzoic acid	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Azobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	80		21 - 98				08/14/12 22:09	08/21/12 17:56	1
2-Fluorobiphenyl	85		30 - 112				08/14/12 22:09	08/21/12 17:56	1
Terphenyl-d14	110		32 - 117				08/14/12 22:09	08/21/12 17:56	1
2-Fluorophenol	77		28 - 98				08/14/12 22:09	08/21/12 17:56	1
Phenol-d5	71		23 - 101				08/14/12 22:09	08/21/12 17:56	1
2,4,6-Tribromophenol	99		37 - 114				08/14/12 22:09	08/21/12 17:56	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: Goodyear - DEX # 9578.3430

TestAmerica Job ID: 720-43926-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: EX-3

Lab Sample ID: 720-43926-3

Date Collected: 08/13/12 22:28

Matrix: Solid

Date Received: 08/14/12 07:08

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
2-Chlorophenol	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Benzyl alcohol	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
2-Methylphenol	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Hexachloroethane	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Nitrobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Isophorone	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
2-Nitrophenol	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Naphthalene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
4-Chloroaniline	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Hexachlorobutadiene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
2-Methylnaphthalene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
2-Chloronaphthalene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
2-Nitroaniline	ND		0.33		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Acenaphthylene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
3-Nitroaniline	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Acenaphthene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
4-Nitrophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Dibenzofuran	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Diethyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Fluorene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
4-Nitroaniline	ND		0.33		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Hexachlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Pentachlorophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Phenanthrene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Anthracene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Fluoranthene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Pyrene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: Goodyear - DEX # 9578.3430

TestAmerica Job ID: 720-43926-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EX-3
Date Collected: 08/13/12 22:28
Date Received: 08/14/12 07:08

Lab Sample ID: 720-43926-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Chrysene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Benzo[a]pyrene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Benzoic acid	ND		0.33		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Azobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		08/14/12 22:09	08/23/12 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	86		21 - 98	08/14/12 22:09	08/23/12 16:22	1
2-Fluorobiphenyl	86		30 - 112	08/14/12 22:09	08/23/12 16:22	1
Terphenyl-d14	114		32 - 117	08/14/12 22:09	08/23/12 16:22	1
2-Fluorophenol	77		28 - 98	08/14/12 22:09	08/23/12 16:22	1
Phenol-d5	74		23 - 101	08/14/12 22:09	08/23/12 16:22	1
2,4,6-Tribromophenol	95		37 - 114	08/14/12 22:09	08/23/12 16:22	1

Client Sample ID: EX-4
Date Collected: 08/13/12 22:25
Date Received: 08/14/12 07:08

Lab Sample ID: 720-43926-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
2-Chlorophenol	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Benzyl alcohol	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
2-Methylphenol	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Hexachloroethane	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Nitrobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Isophorone	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
2-Nitrophenol	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Naphthalene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
4-Chloroaniline	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Hexachlorobutadiene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
2-Methylnaphthalene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: Goodyear - DEX # 9578.3430

TestAmerica Job ID: 720-43926-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EX-4
Date Collected: 08/13/12 22:25
Date Received: 08/14/12 07:08

Lab Sample ID: 720-43926-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
2-Chloronaphthalene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
2-Nitroaniline	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Acenaphthylene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
3-Nitroaniline	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Acenaphthene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
4-Nitrophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Dibenzofuran	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Diethyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Fluorene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
4-Nitroaniline	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Hexachlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Pentachlorophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Phenanthrene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Anthracene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Fluoranthene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Pyrene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Chrysene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Benzo[a]pyrene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Benzoic acid	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Azobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		08/14/12 22:09	08/21/12 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	74		21 - 98	08/14/12 22:09	08/21/12 18:20	1
2-Fluorobiphenyl	80		30 - 112	08/14/12 22:09	08/21/12 18:20	1
Terphenyl-d14	101		32 - 117	08/14/12 22:09	08/21/12 18:20	1
2-Fluorophenol	76		28 - 98	08/14/12 22:09	08/21/12 18:20	1
Phenol-d5	70		23 - 101	08/14/12 22:09	08/21/12 18:20	1
2,4,6-Tribromophenol	95		37 - 114	08/14/12 22:09	08/21/12 18:20	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-43958-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: EX-5
Date Collected: 08/14/12 23:24
Date Received: 08/15/12 07:00

Lab Sample ID: 720-43958-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Phenol	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Bis(2-chloroethyl)ether	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
2-Chlorophenol	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
1,3-Dichlorobenzene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
1,4-Dichlorobenzene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Benzyl alcohol	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
1,2-Dichlorobenzene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
2-Methylphenol	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Methylphenol, 3 & 4	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
N-Nitrosodi-n-propylamine	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Hexachloroethane	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Nitrobenzene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Isophorone	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
2-Nitrophenol	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
2,4-Dimethylphenol	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Bis(2-chloroethoxy)methane	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
2,4-Dichlorophenol	ND		16		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
1,2,4-Trichlorobenzene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Naphthalene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
4-Chloroaniline	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Hexachlorobutadiene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
4-Chloro-3-methylphenol	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
2-Methylnaphthalene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Hexachlorocyclopentadiene	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
2,4,6-Trichlorophenol	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
2,4,5-Trichlorophenol	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
2-Chloronaphthalene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
2-Nitroaniline	ND		16		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Dimethyl phthalate	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Acenaphthylene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
3-Nitroaniline	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Acenaphthene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
2,4-Dinitrophenol	ND		33		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
4-Nitrophenol	ND		16		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Dibenzofuran	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
2,4-Dinitrotoluene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
2,6-Dinitrotoluene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Diethyl phthalate	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
4-Chlorophenyl phenyl ether	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Fluorene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
4-Nitroaniline	ND		16		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
2-Methyl-4,6-dinitrophenol	ND		16		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
N-Nitrosodiphenylamine	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
4-Bromophenyl phenyl ether	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Hexachlorobenzene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Pentachlorophenol	ND		16		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Phenanthrene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Anthracene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Di-n-butyl phthalate	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Fluoranthene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Pyrene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-43958-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EX-5

Date Collected: 08/14/12 23:24

Date Received: 08/15/12 07:00

Lab Sample ID: 720-43958-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
3,3'-Dichlorobenzidine	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Benzo[a]anthracene	ND		16		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Bis(2-ethylhexyl) phthalate	ND		16		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Chrysene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Di-n-octyl phthalate	ND		8.4		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Benzo[b]fluoranthene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Benzo[a]pyrene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Benzo[k]fluoranthene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Indeno[1,2,3-cd]pyrene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Benzo[g,h,i]perylene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Benzoic acid	ND		16		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Azobenzene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50
Dibenz(a,h)anthracene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 17:17	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	0	D X	21 - 98	08/16/12 21:38	08/23/12 17:17	50
2-Fluorobiphenyl	0	D X	30 - 112	08/16/12 21:38	08/23/12 17:17	50
Terphenyl-d14	0	D X	32 - 117	08/16/12 21:38	08/23/12 17:17	50
2-Fluorophenol	0	D X	28 - 98	08/16/12 21:38	08/23/12 17:17	50
Phenol-d5	0	D X	23 - 101	08/16/12 21:38	08/23/12 17:17	50
2,4,6-Tribromophenol	0	D X	37 - 114	08/16/12 21:38	08/23/12 17:17	50

Client Sample ID: EX-6

Date Collected: 08/14/12 23:44

Date Received: 08/15/12 07:00

Lab Sample ID: 720-43958-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Bis(2-chloroethyl)ether	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
2-Chlorophenol	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
1,3-Dichlorobenzene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
1,4-Dichlorobenzene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Benzyl alcohol	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
1,2-Dichlorobenzene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
2-Methylphenol	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Methylphenol, 3 & 4	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
N-Nitrosodi-n-propylamine	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Hexachloroethane	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Nitrobenzene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Isophorone	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
2-Nitrophenol	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
2,4-Dimethylphenol	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Bis(2-chloroethoxy)methane	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
2,4-Dichlorophenol	ND		6.6		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
1,2,4-Trichlorobenzene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Naphthalene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
4-Chloroaniline	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Hexachlorobutadiene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
4-Chloro-3-methylphenol	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
2-Methylnaphthalene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Hexachlorocyclopentadiene	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-43958-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EX-6
Date Collected: 08/14/12 23:44
Date Received: 08/15/12 07:00

Lab Sample ID: 720-43958-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
2,4,5-Trichlorophenol	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
2-Chloronaphthalene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
2-Nitroaniline	ND		6.6		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Dimethyl phthalate	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Acenaphthylene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
3-Nitroaniline	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Acenaphthene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
2,4-Dinitrophenol	ND		13		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
4-Nitrophenol	ND		6.6		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Dibenzofuran	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
2,4-Dinitrotoluene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
2,6-Dinitrotoluene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Diethyl phthalate	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
4-Chlorophenyl phenyl ether	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Fluorene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
4-Nitroaniline	ND		6.6		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
2-Methyl-4,6-dinitrophenol	ND		6.6		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
N-Nitrosodiphenylamine	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
4-Bromophenyl phenyl ether	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Hexachlorobenzene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Pentachlorophenol	ND		6.6		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Phenanthrene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Anthracene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Di-n-butyl phthalate	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Fluoranthene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Pyrene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Butyl benzyl phthalate	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
3,3'-Dichlorobenzidine	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Benzo[a]anthracene	ND		6.6		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Bis(2-ethylhexyl) phthalate	ND		6.6		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Chrysene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Di-n-octyl phthalate	ND		3.4		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Benzo[b]fluoranthene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Benzo[a]pyrene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Benzo[k]fluoranthene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Indeno[1,2,3-cd]pyrene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Benzo[g,h,i]perylene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Benzoic acid	ND		6.6		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Azobenzene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20
Dibenz(a,h)anthracene	ND		1.3		mg/Kg		08/16/12 21:38	08/23/12 17:45	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	0	DX	21 - 98	08/16/12 21:38	08/23/12 17:45	20
2-Fluorobiphenyl	0	DX	30 - 112	08/16/12 21:38	08/23/12 17:45	20
Terphenyl-d14	0	DX	32 - 117	08/16/12 21:38	08/23/12 17:45	20
2-Fluorophenol	0	DX	28 - 98	08/16/12 21:38	08/23/12 17:45	20
Phenol-d5	0	DX	23 - 101	08/16/12 21:38	08/23/12 17:45	20
2,4,6-Tribromophenol	0	DX	37 - 114	08/16/12 21:38	08/23/12 17:45	20

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-43958-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: EX-7
Date Collected: 08/14/12 23:59
Date Received: 08/15/12 07:00

Lab Sample ID: 720-43958-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Bis(2-chloroethyl)ether	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
2-Chlorophenol	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
1,3-Dichlorobenzene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
1,4-Dichlorobenzene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Benzyl alcohol	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
1,2-Dichlorobenzene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
2-Methylphenol	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Methylphenol, 3 & 4	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
N-Nitrosodi-n-propylamine	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Hexachloroethane	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Nitrobenzene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Isophorone	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
2-Nitrophenol	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
2,4-Dimethylphenol	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Bis(2-chloroethoxy)methane	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
2,4-Dichlorophenol	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
1,2,4-Trichlorobenzene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Naphthalene	1.1		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
4-Chloroaniline	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Hexachlorobutadiene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
4-Chloro-3-methylphenol	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
2-Methylnaphthalene	1.7		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Hexachlorocyclopentadiene	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
2,4,6-Trichlorophenol	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
2,4,5-Trichlorophenol	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
2-Chloronaphthalene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
2-Nitroaniline	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Dimethyl phthalate	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Acenaphthylene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
3-Nitroaniline	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Acenaphthene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
2,4-Dinitrophenol	ND		6.6		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
4-Nitrophenol	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Dibenzofuran	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
2,4-Dinitrotoluene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
2,6-Dinitrotoluene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Diethyl phthalate	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
4-Chlorophenyl phenyl ether	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Fluorene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
4-Nitroaniline	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
2-Methyl-4,6-dinitrophenol	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
N-Nitrosodiphenylamine	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
4-Bromophenyl phenyl ether	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Hexachlorobenzene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Pentachlorophenol	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Phenanthrene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Anthracene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Di-n-butyl phthalate	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Fluoranthene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Pyrene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-43958-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EX-7
Date Collected: 08/14/12 23:59
Date Received: 08/15/12 07:00

Lab Sample ID: 720-43958-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
3,3'-Dichlorobenzidine	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Benzo[a]anthracene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Bis(2-ethylhexyl) phthalate	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Chrysene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Di-n-octyl phthalate	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Benzo[b]fluoranthene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Benzo[a]pyrene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Benzo[k]fluoranthene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Indeno[1,2,3-cd]pyrene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Benzo[g,h,i]perylene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Benzoic acid	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Azobenzene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Dibenz(a,h)anthracene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	53		21 - 98	08/16/12 21:38	08/23/12 18:09	10
2-Fluorobiphenyl	68		30 - 112	08/16/12 21:38	08/23/12 18:09	10
Terphenyl-d14	68		32 - 117	08/16/12 21:38	08/23/12 18:09	10
2-Fluorophenol	34		28 - 98	08/16/12 21:38	08/23/12 18:09	10
Phenol-d5	66		23 - 101	08/16/12 21:38	08/23/12 18:09	10
2,4,6-Tribromophenol	60		37 - 114	08/16/12 21:38	08/23/12 18:09	10

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44003-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Sample ID: MW-5@6.5-7

Lab Sample ID: 720-44003-1

Date Collected: 08/15/12 19:38

Matrix: Solid

Date Received: 08/16/12 06:56

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
2-Chlorophenol	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Benzyl alcohol	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
2-Methylphenol	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Hexachloroethane	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Nitrobenzene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Isophorone	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
2-Nitrophenol	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Naphthalene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
4-Chloroaniline	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Hexachlorobutadiene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
2-Methylnaphthalene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
2-Chloronaphthalene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
2-Nitroaniline	ND		0.33		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Acenaphthylene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
3-Nitroaniline	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Acenaphthene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
2,4-Dinitrophenol	ND *		0.65		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
4-Nitrophenol	ND		0.33		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Dibenzofuran	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Diethyl phthalate	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Fluorene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
4-Nitroaniline	ND		0.33		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Hexachlorobenzene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Pentachlorophenol	ND		0.33		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Phenanthrene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Anthracene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Fluoranthene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Pyrene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44003-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Client Sample ID: MW-5@6.5-7

Date Collected: 08/15/12 19:38

Date Received: 08/16/12 06:56

Lab Sample ID: 720-44003-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Chrysene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Benzo[a]pyrene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Benzoic acid	ND		0.33		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Azobenzene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		08/21/12 13:16	08/23/12 16:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	69		21 - 98				08/21/12 13:16	08/23/12 16:47	1
2-Fluorobiphenyl	72		30 - 112				08/21/12 13:16	08/23/12 16:47	1
Terphenyl-d14	118	X	32 - 117				08/21/12 13:16	08/23/12 16:47	1
2-Fluorophenol	62		28 - 98				08/21/12 13:16	08/23/12 16:47	1
Phenol-d5	61		23 - 101				08/21/12 13:16	08/23/12 16:47	1
2,4,6-Tribromophenol	90		37 - 114				08/21/12 13:16	08/23/12 16:47	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44028-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Sample ID: EX-8
Date Collected: 08/16/12 22:21
Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Bis(2-chloroethyl)ether	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
2-Chlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
1,3-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
1,4-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Benzyl alcohol	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
1,2-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
2-Methylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Methylphenol, 3 & 4	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
N-Nitrosodi-n-propylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Hexachloroethane	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Nitrobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Isophorone	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
2-Nitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
2,4-Dimethylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Bis(2-chloroethoxy)methane	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
2,4-Dichlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
1,2,4-Trichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Naphthalene	1.6		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
4-Chloroaniline	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Hexachlorobutadiene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
4-Chloro-3-methylphenol	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
2-Methylnaphthalene	2.4		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Hexachlorocyclopentadiene	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
2,4,6-Trichlorophenol	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
2,4,5-Trichlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
2-Chloronaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
2-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Dimethyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Acenaphthylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
3-Nitroaniline	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Acenaphthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
2,4-Dinitrophenol	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
4-Nitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Dibenzofuran	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
2,4-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
2,6-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Diethyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
4-Chlorophenyl phenyl ether	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Fluorene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
4-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
2-Methyl-4,6-dinitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
N-Nitrosodiphenylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
4-Bromophenyl phenyl ether	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Hexachlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Pentachlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Phenanthrene	0.37		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Di-n-butyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Pyrene	0.38		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44028-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Client Sample ID: EX-8
Date Collected: 08/16/12 22:21
Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
3,3'-Dichlorobenzidine	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Benzo[a]anthracene	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Bis(2-ethylhexyl) phthalate	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Chrysene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Di-n-octyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Benzo[b]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Benzo[a]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Benzo[k]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Indeno[1,2,3-cd]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Benzo[g,h,i]perylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Benzoic acid	ND	*	1.6		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Azobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Dibenz(a,h)anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:20	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	76		21 - 98				08/27/12 20:26	08/28/12 20:20	5
2-Fluorobiphenyl	82		30 - 112				08/27/12 20:26	08/28/12 20:20	5
Terphenyl-d14	72		32 - 117				08/27/12 20:26	08/28/12 20:20	5
2-Fluorophenol	68		28 - 98				08/27/12 20:26	08/28/12 20:20	5
Phenol-d5	73		23 - 101				08/27/12 20:26	08/28/12 20:20	5
2,4,6-Tribromophenol	74		37 - 114				08/27/12 20:26	08/28/12 20:20	5

Client Sample ID: EX-9
Date Collected: 08/16/12 23:40
Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Bis(2-chloroethyl)ether	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2-Chlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
1,3-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
1,4-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Benzyl alcohol	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
1,2-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2-Methylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Methylphenol, 3 & 4	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
N-Nitrosodi-n-propylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Hexachloroethane	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Nitrobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Isophorone	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2-Nitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2,4-Dimethylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Bis(2-chloroethoxy)methane	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2,4-Dichlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
1,2,4-Trichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Naphthalene	0.71		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
4-Chloroaniline	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Hexachlorobutadiene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
4-Chloro-3-methylphenol	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2-Methylnaphthalene	0.89		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44028-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Client Sample ID: EX-9

Date Collected: 08/16/12 23:40

Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2,4,6-Trichlorophenol	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2,4,5-Trichlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2-Chloronaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Dimethyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Acenaphthylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
3-Nitroaniline	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Acenaphthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2,4-Dinitrophenol	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
4-Nitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Dibenzofuran	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2,4-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2,6-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Diethyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
4-Chlorophenyl phenyl ether	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Fluorene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
4-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2-Methyl-4,6-dinitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
N-Nitrosodiphenylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
4-Bromophenyl phenyl ether	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Hexachlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Pentachlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Phenanthrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Di-n-butyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Butyl benzyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
3,3'-Dichlorobenzidine	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Benzo[a]anthracene	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Bis(2-ethylhexyl) phthalate	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Chrysene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Di-n-octyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Benzo[b]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Benzo[a]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Benzo[k]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Indeno[1,2,3-cd]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Benzo[g,h,i]perylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Benzoic acid	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Azobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Dibenz(a,h)anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	83		21 - 98				08/27/12 20:26	08/28/12 20:44	5
2-Fluorobiphenyl	88		30 - 112				08/27/12 20:26	08/28/12 20:44	5
Terphenyl-d14	77		32 - 117				08/27/12 20:26	08/28/12 20:44	5
2-Fluorophenol	70		28 - 98				08/27/12 20:26	08/28/12 20:44	5
Phenol-d5	77		23 - 101				08/27/12 20:26	08/28/12 20:44	5
2,4,6-Tribromophenol	87		37 - 114				08/27/12 20:26	08/28/12 20:44	5

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44028-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Sample ID: EX-10

Lab Sample ID: 720-44028-3

Date Collected: 08/16/12 23:53

Matrix: Solid

Date Received: 08/17/12 06:58

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Bis(2-chloroethyl)ether	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
2-Chlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
1,3-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
1,4-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Benzyl alcohol	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
1,2-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
2-Methylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Methylphenol, 3 & 4	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
N-Nitrosodi-n-propylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Hexachloroethane	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Nitrobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Isophorone	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
2-Nitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
2,4-Dimethylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Bis(2-chloroethoxy)methane	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
2,4-Dichlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
1,2,4-Trichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Naphthalene	2.3		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
4-Chloroaniline	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Hexachlorobutadiene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
4-Chloro-3-methylphenol	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
2-Methylnaphthalene	3.5		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Hexachlorocyclopentadiene	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
2,4,6-Trichlorophenol	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
2,4,5-Trichlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
2-Chloronaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
2-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Dimethyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Acenaphthylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
3-Nitroaniline	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Acenaphthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
2,4-Dinitrophenol	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
4-Nitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Dibenzofuran	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
2,4-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
2,6-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Diethyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
4-Chlorophenyl phenyl ether	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Fluorene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
4-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
2-Methyl-4,6-dinitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
N-Nitrosodiphenylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
4-Bromophenyl phenyl ether	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Hexachlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Pentachlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Phenanthrene	0.47		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Di-n-butyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Fluoranthene	0.35		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Pyrene	0.56		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44028-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Client Sample ID: EX-10
Date Collected: 08/16/12 23:53
Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
3,3'-Dichlorobenzidine	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Benzo[a]anthracene	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Bis(2-ethylhexyl) phthalate	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Chrysene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Di-n-octyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Benzo[b]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Benzo[a]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Benzo[k]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Indeno[1,2,3-cd]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Benzo[g,h,i]perylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Benzoic acid	ND	*	1.6		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Azobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Dibenz(a,h)anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:08	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	79		21 - 98				08/27/12 20:26	08/28/12 21:08	5
2-Fluorobiphenyl	87		30 - 112				08/27/12 20:26	08/28/12 21:08	5
Terphenyl-d14	76		32 - 117				08/27/12 20:26	08/28/12 21:08	5
2-Fluorophenol	66		28 - 98				08/27/12 20:26	08/28/12 21:08	5
Phenol-d5	71		23 - 101				08/27/12 20:26	08/28/12 21:08	5
2,4,6-Tribromophenol	77		37 - 114				08/27/12 20:26	08/28/12 21:08	5

Client Sample ID: EX-11
Date Collected: 08/17/12 01:40
Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Bis(2-chloroethyl)ether	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2-Chlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
1,3-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
1,4-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Benzyl alcohol	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
1,2-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2-Methylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Methylphenol, 3 & 4	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
N-Nitrosodi-n-propylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Hexachloroethane	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Nitrobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Isophorone	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2-Nitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2,4-Dimethylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Bis(2-chloroethoxy)methane	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2,4-Dichlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
1,2,4-Trichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Naphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
4-Chloroaniline	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Hexachlorobutadiene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
4-Chloro-3-methylphenol	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2-Methylnaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44028-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Client Sample ID: EX-11

Lab Sample ID: 720-44028-4

Date Collected: 08/17/12 01:40

Matrix: Solid

Date Received: 08/17/12 06:58

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2,4,6-Trichlorophenol	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2,4,5-Trichlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2-Chloronaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Dimethyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Acenaphthylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
3-Nitroaniline	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Acenaphthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2,4-Dinitrophenol	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
4-Nitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Dibenzofuran	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2,4-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2,6-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Diethyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
4-Chlorophenyl phenyl ether	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Fluorene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
4-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2-Methyl-4,6-dinitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
N-Nitrosodiphenylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
4-Bromophenyl phenyl ether	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Hexachlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Pentachlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Phenanthrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Di-n-butyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Butyl benzyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
3,3'-Dichlorobenzidine	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Benzo[a]anthracene	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Bis(2-ethylhexyl) phthalate	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Chrysene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Di-n-octyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Benzo[b]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Benzo[a]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Benzo[k]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Indeno[1,2,3-cd]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Benzo[g,h,i]perylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Benzoic acid	ND	*	1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Azobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Dibenz(a,h)anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	73		21 - 98				08/27/12 20:26	08/28/12 21:31	5
2-Fluorobiphenyl	87		30 - 112				08/27/12 20:26	08/28/12 21:31	5
Terphenyl-d14	75		32 - 117				08/27/12 20:26	08/28/12 21:31	5
2-Fluorophenol	67		28 - 98				08/27/12 20:26	08/28/12 21:31	5
Phenol-d5	72		23 - 101				08/27/12 20:26	08/28/12 21:31	5
2,4,6-Tribromophenol	75		37 - 114				08/27/12 20:26	08/28/12 21:31	5

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44028-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Sample ID: EX-12

Lab Sample ID: 720-44028-5

Date Collected: 08/17/12 01:57

Matrix: Solid

Date Received: 08/17/12 06:58

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Bis(2-chloroethyl)ether	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
2-Chlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
1,3-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
1,4-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Benzyl alcohol	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
1,2-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
2-Methylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Methylphenol, 3 & 4	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
N-Nitrosodi-n-propylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Hexachloroethane	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Nitrobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Isophorone	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
2-Nitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
2,4-Dimethylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Bis(2-chloroethoxy)methane	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
2,4-Dichlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
1,2,4-Trichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Naphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
4-Chloroaniline	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Hexachlorobutadiene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
4-Chloro-3-methylphenol	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
2-Methylnaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Hexachlorocyclopentadiene	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
2,4,6-Trichlorophenol	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
2,4,5-Trichlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
2-Chloronaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
2-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Dimethyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Acenaphthylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
3-Nitroaniline	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Acenaphthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
2,4-Dinitrophenol	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
4-Nitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Dibenzofuran	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
2,4-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
2,6-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Diethyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
4-Chlorophenyl phenyl ether	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Fluorene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
4-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
2-Methyl-4,6-dinitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
N-Nitrosodiphenylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
4-Bromophenyl phenyl ether	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Hexachlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Pentachlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Phenanthrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Di-n-butyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44028-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Client Sample ID: EX-12
Date Collected: 08/17/12 01:57
Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
3,3'-Dichlorobenzidine	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Benzo[a]anthracene	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Bis(2-ethylhexyl) phthalate	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Chrysene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Di-n-octyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Benzo[b]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Benzo[a]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Benzo[k]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Indeno[1,2,3-cd]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Benzo[g,h,i]perylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Benzoic acid	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Azobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Dibenz(a,h)anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70		21 - 98				08/27/12 20:26	08/28/12 21:56	5
2-Fluorobiphenyl	84		30 - 112				08/27/12 20:26	08/28/12 21:56	5
Terphenyl-d14	78		32 - 117				08/27/12 20:26	08/28/12 21:56	5
2-Fluorophenol	64		28 - 98				08/27/12 20:26	08/28/12 21:56	5
Phenol-d5	70		23 - 101				08/27/12 20:26	08/28/12 21:56	5
2,4,6-Tribromophenol	79		37 - 114				08/27/12 20:26	08/28/12 21:56	5

Client Sample ID: EX-13
Date Collected: 08/17/12 02:08
Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Bis(2-chloroethyl)ether	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
2-Chlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
1,3-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
1,4-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Benzyl alcohol	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
1,2-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
2-Methylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Methylphenol, 3 & 4	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
N-Nitrosodi-n-propylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Hexachloroethane	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Nitrobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Isophorone	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
2-Nitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
2,4-Dimethylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Bis(2-chloroethoxy)methane	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
2,4-Dichlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
1,2,4-Trichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Naphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
4-Chloroaniline	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Hexachlorobutadiene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
4-Chloro-3-methylphenol	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
2-Methylnaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44028-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Client Sample ID: EX-13

Lab Sample ID: 720-44028-6

Date Collected: 08/17/12 02:08

Matrix: Solid

Date Received: 08/17/12 06:58

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
2,4,6-Trichlorophenol	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
2,4,5-Trichlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
2-Chloronaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
2-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Dimethyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Acenaphthylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
3-Nitroaniline	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Acenaphthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
2,4-Dinitrophenol	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
4-Nitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Dibenzofuran	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
2,4-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
2,6-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Diethyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
4-Chlorophenyl phenyl ether	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Fluorene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
4-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
2-Methyl-4,6-dinitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
N-Nitrosodiphenylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
4-Bromophenyl phenyl ether	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Hexachlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Pentachlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Phenanthrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Di-n-butyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Butyl benzyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
3,3'-Dichlorobenzidine	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Benzo[a]anthracene	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Bis(2-ethylhexyl) phthalate	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Chrysene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Di-n-octyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Benzo[b]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Benzo[a]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Benzo[k]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Indeno[1,2,3-cd]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Benzo[g,h,i]perylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Benzoic acid	ND	*	1.6		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Azobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5
Dibenz(a,h)anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 22:20	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		21 - 98	08/27/12 20:26	08/28/12 22:20	5
2-Fluorobiphenyl	78		30 - 112	08/27/12 20:26	08/28/12 22:20	5
Terphenyl-d14	83		32 - 117	08/27/12 20:26	08/28/12 22:20	5
2-Fluorophenol	63		28 - 98	08/27/12 20:26	08/28/12 22:20	5
Phenol-d5	68		23 - 101	08/27/12 20:26	08/28/12 22:20	5
2,4,6-Tribromophenol	74		37 - 114	08/27/12 20:26	08/28/12 22:20	5

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44049-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Sample ID: EX-14
Date Collected: 08/17/12 23:05
Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
2-Chlorophenol	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Benzyl alcohol	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
2-Methylphenol	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Hexachloroethane	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Nitrobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Isophorone	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
2-Nitrophenol	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Naphthalene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
4-Chloroaniline	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Hexachlorobutadiene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
2-Methylnaphthalene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
2-Chloronaphthalene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
2-Nitroaniline	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Acenaphthylene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
3-Nitroaniline	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Acenaphthene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
4-Nitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Dibenzofuran	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Diethyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Fluorene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
4-Nitroaniline	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Hexachlorobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Pentachlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Phenanthrene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Anthracene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Fluoranthene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Pyrene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44049-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Client Sample ID: EX-14
Date Collected: 08/17/12 23:05
Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Chrysene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Benzo[a]pyrene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Benzoic acid	ND	*	0.33		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Azobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		21 - 98				08/27/12 20:26	08/28/12 18:05	1
2-Fluorobiphenyl	77		30 - 112				08/27/12 20:26	08/28/12 18:05	1
Terphenyl-d14	76		32 - 117				08/27/12 20:26	08/28/12 18:05	1
2-Fluorophenol	64		28 - 98				08/27/12 20:26	08/28/12 18:05	1
Phenol-d5	68		23 - 101				08/27/12 20:26	08/28/12 18:05	1
2,4,6-Tribromophenol	73		37 - 114				08/27/12 20:26	08/28/12 18:05	1

Client Sample ID: EX-15
Date Collected: 08/17/12 23:10
Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Bis(2-chloroethyl)ether	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
2-Chlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
1,3-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
1,4-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Benzyl alcohol	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
1,2-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
2-Methylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Methylphenol, 3 & 4	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
N-Nitrosodi-n-propylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Hexachloroethane	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Nitrobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Isophorone	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
2-Nitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
2,4-Dimethylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Bis(2-chloroethoxy)methane	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
2,4-Dichlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
1,2,4-Trichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Naphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
4-Chloroaniline	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Hexachlorobutadiene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
4-Chloro-3-methylphenol	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
2-Methylnaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44049-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Client Sample ID: EX-15

Date Collected: 08/17/12 23:10

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
2,4,6-Trichlorophenol	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
2,4,5-Trichlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
2-Chloronaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
2-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Dimethyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Acenaphthylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
3-Nitroaniline	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Acenaphthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
2,4-Dinitrophenol	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
4-Nitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Dibenzofuran	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
2,4-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
2,6-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Diethyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
4-Chlorophenyl phenyl ether	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Fluorene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
4-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
2-Methyl-4,6-dinitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
N-Nitrosodiphenylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
4-Bromophenyl phenyl ether	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Hexachlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Pentachlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Phenanthrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Di-n-butyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Butyl benzyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
3,3'-Dichlorobenzidine	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Benzo[a]anthracene	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Bis(2-ethylhexyl) phthalate	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Chrysene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Di-n-octyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Benzo[b]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Benzo[a]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Benzo[k]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Indeno[1,2,3-cd]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Benzo[g,h,i]perylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Benzoic acid	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Azobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Dibenz(a,h)anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 23:55	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	68		21 - 98				08/27/12 20:26	08/28/12 23:55	5
2-Fluorobiphenyl	78		30 - 112				08/27/12 20:26	08/28/12 23:55	5
Terphenyl-d14	72		32 - 117				08/27/12 20:26	08/28/12 23:55	5
2-Fluorophenol	62		28 - 98				08/27/12 20:26	08/28/12 23:55	5
Phenol-d5	67		23 - 101				08/27/12 20:26	08/28/12 23:55	5
2,4,6-Tribromophenol	69		37 - 114				08/27/12 20:26	08/28/12 23:55	5

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44049-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Sample ID: EX-16
Date Collected: 08/17/12 23:12
Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
2-Chlorophenol	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Benzyl alcohol	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
2-Methylphenol	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Hexachloroethane	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Nitrobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Isophorone	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
2-Nitrophenol	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Naphthalene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
4-Chloroaniline	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Hexachlorobutadiene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
2-Methylnaphthalene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
2-Chloronaphthalene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
2-Nitroaniline	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Acenaphthylene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
3-Nitroaniline	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Acenaphthene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
4-Nitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Dibenzofuran	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Diethyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Fluorene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
4-Nitroaniline	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Hexachlorobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Pentachlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Phenanthrene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Anthracene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Fluoranthene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Pyrene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44049-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Client Sample ID: EX-16

Date Collected: 08/17/12 23:12

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-3

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Chrysene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Benzo[a]pyrene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Benzoic acid	ND	*	0.33		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Azobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	64		21 - 98				08/27/12 20:26	08/28/12 18:33	1
2-Fluorobiphenyl	70		30 - 112				08/27/12 20:26	08/28/12 18:33	1
Terphenyl-d14	72		32 - 117				08/27/12 20:26	08/28/12 18:33	1
2-Fluorophenol	62		28 - 98				08/27/12 20:26	08/28/12 18:33	1
Phenol-d5	66		23 - 101				08/27/12 20:26	08/28/12 18:33	1
2,4,6-Tribromophenol	69		37 - 114				08/27/12 20:26	08/28/12 18:33	1

Client Sample ID: EX-17

Date Collected: 08/18/12 00:10

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-4

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2-Chlorophenol	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Benzyl alcohol	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2-Methylphenol	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Hexachloroethane	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Nitrobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Isophorone	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2-Nitrophenol	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Naphthalene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
4-Chloroaniline	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Hexachlorobutadiene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2-Methylnaphthalene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44049-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Client Sample ID: EX-17

Date Collected: 08/18/12 00:10

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-4

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2-Chloronaphthalene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2-Nitroaniline	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Acenaphthylene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
3-Nitroaniline	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Acenaphthene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
4-Nitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Dibenzofuran	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Diethyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Fluorene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
4-Nitroaniline	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Hexachlorobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Pentachlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Phenanthrene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Anthracene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Fluoranthene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Pyrene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Chrysene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Benzo[a]pyrene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Benzoic acid	ND	*	0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Azobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		21 - 98	08/27/12 20:26	08/28/12 19:03	1
2-Fluorobiphenyl	74		30 - 112	08/27/12 20:26	08/28/12 19:03	1
Terphenyl-d14	79		32 - 117	08/27/12 20:26	08/28/12 19:03	1
2-Fluorophenol	61		28 - 98	08/27/12 20:26	08/28/12 19:03	1
Phenol-d5	64		23 - 101	08/27/12 20:26	08/28/12 19:03	1
2,4,6-Tribromophenol	74		37 - 114	08/27/12 20:26	08/28/12 19:03	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44049-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Sample ID: EX-18

Lab Sample ID: 720-44049-5

Date Collected: 08/18/12 00:25

Matrix: Solid

Date Received: 08/20/12 10:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Bis(2-chloroethyl)ether	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
2-Chlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
1,3-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
1,4-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Benzyl alcohol	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
1,2-Dichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
2-Methylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Methylphenol, 3 & 4	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
N-Nitrosodi-n-propylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Hexachloroethane	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Nitrobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Isophorone	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
2-Nitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
2,4-Dimethylphenol	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Bis(2-chloroethoxy)methane	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
2,4-Dichlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
1,2,4-Trichlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Naphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
4-Chloroaniline	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Hexachlorobutadiene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
4-Chloro-3-methylphenol	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
2-Methylnaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Hexachlorocyclopentadiene	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
2,4,6-Trichlorophenol	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
2,4,5-Trichlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
2-Chloronaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
2-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Dimethyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Acenaphthylene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
3-Nitroaniline	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Acenaphthene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
2,4-Dinitrophenol	ND		3.3		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
4-Nitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Dibenzofuran	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
2,4-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
2,6-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Diethyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
4-Chlorophenyl phenyl ether	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Fluorene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
4-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
2-Methyl-4,6-dinitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
N-Nitrosodiphenylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
4-Bromophenyl phenyl ether	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Hexachlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Pentachlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Phenanthrene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Di-n-butyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44049-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Client Sample ID: EX-18
Date Collected: 08/18/12 00:25
Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
3,3'-Dichlorobenzidine	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Benzo[a]anthracene	ND		1.6		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Bis(2-ethylhexyl) phthalate	ND		1.6		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Chrysene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Di-n-octyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Benzo[b]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Benzo[a]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Benzo[k]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Indeno[1,2,3-cd]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Benzo[g,h,i]perylene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Benzoic acid	ND	*	1.6		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Azobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Dibenz(a,h)anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/29/12 00:19	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	64		21 - 98				08/27/12 20:26	08/29/12 00:19	5
2-Fluorobiphenyl	80		30 - 112				08/27/12 20:26	08/29/12 00:19	5
Terphenyl-d14	77		32 - 117				08/27/12 20:26	08/29/12 00:19	5
2-Fluorophenol	60		28 - 98				08/27/12 20:26	08/29/12 00:19	5
Phenol-d5	64		23 - 101				08/27/12 20:26	08/29/12 00:19	5
2,4,6-Tribromophenol	72		37 - 114				08/27/12 20:26	08/29/12 00:19	5

Client Sample ID: EX-19
Date Collected: 08/18/12 00:30
Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2-Chlorophenol	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Benzyl alcohol	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2-Methylphenol	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Hexachloroethane	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Nitrobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Isophorone	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2-Nitrophenol	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Naphthalene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
4-Chloroaniline	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Hexachlorobutadiene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2-Methylnaphthalene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44049-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Client Sample ID: EX-19

Date Collected: 08/18/12 00:30

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-6

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2-Chloronaphthalene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2-Nitroaniline	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Acenaphthylene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
3-Nitroaniline	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Acenaphthene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
4-Nitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Dibenzofuran	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Diethyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Fluorene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
4-Nitroaniline	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Hexachlorobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Pentachlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Phenanthrene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Anthracene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Fluoranthene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Pyrene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Chrysene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Benzo[a]pyrene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Benzoic acid	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Azobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	65		21 - 98				08/27/12 20:26	08/28/12 19:31	1
2-Fluorobiphenyl	74		30 - 112				08/27/12 20:26	08/28/12 19:31	1
Terphenyl-d14	78		32 - 117				08/27/12 20:26	08/28/12 19:31	1
2-Fluorophenol	61		28 - 98				08/27/12 20:26	08/28/12 19:31	1
Phenol-d5	66		23 - 101				08/27/12 20:26	08/28/12 19:31	1
2,4,6-Tribromophenol	73		37 - 114				08/27/12 20:26	08/28/12 19:31	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44050-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Sample ID: EX-20
Date Collected: 08/20/12 02:30
Date Received: 08/20/12 13:55

Lab Sample ID: 720-44050-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Bis(2-chloroethyl)ether	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
2-Chlorophenol	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
1,3-Dichlorobenzene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
1,4-Dichlorobenzene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Benzyl alcohol	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
1,2-Dichlorobenzene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
2-Methylphenol	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Methylphenol, 3 & 4	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
N-Nitrosodi-n-propylamine	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Hexachloroethane	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Nitrobenzene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Isophorone	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
2-Nitrophenol	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
2,4-Dimethylphenol	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Bis(2-chloroethoxy)methane	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
2,4-Dichlorophenol	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
1,2,4-Trichlorobenzene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Naphthalene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
4-Chloroaniline	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Hexachlorobutadiene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
4-Chloro-3-methylphenol	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
2-Methylnaphthalene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Hexachlorocyclopentadiene	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
2,4,6-Trichlorophenol	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
2,4,5-Trichlorophenol	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
2-Chloronaphthalene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
2-Nitroaniline	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Dimethyl phthalate	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Acenaphthylene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
3-Nitroaniline	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Acenaphthene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
2,4-Dinitrophenol	ND		6.6		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
4-Nitrophenol	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Dibenzofuran	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
2,4-Dinitrotoluene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
2,6-Dinitrotoluene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Diethyl phthalate	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
4-Chlorophenyl phenyl ether	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Fluorene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
4-Nitroaniline	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
2-Methyl-4,6-dinitrophenol	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
N-Nitrosodiphenylamine	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
4-Bromophenyl phenyl ether	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Hexachlorobenzene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Pentachlorophenol	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Phenanthrene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Anthracene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Di-n-butyl phthalate	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Fluoranthene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Pyrene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

TestAmerica Job ID: 720-44050-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Client Sample ID: EX-20
Date Collected: 08/20/12 02:30
Date Received: 08/20/12 13:55

Lab Sample ID: 720-44050-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
3,3'-Dichlorobenzidine	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Benzo[a]anthracene	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Bis(2-ethylhexyl) phthalate	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Chrysene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Di-n-octyl phthalate	ND		1.7		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Benzo[b]fluoranthene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Benzo[a]pyrene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Benzo[k]fluoranthene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Indeno[1,2,3-cd]pyrene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Benzo[g,h,i]perylene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Benzoic acid	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Azobenzene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Dibenz(a,h)anthracene	ND		0.67		mg/Kg		08/27/12 20:26	08/28/12 23:31	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	82		21 - 98				08/27/12 20:26	08/28/12 23:31	10
2-Fluorobiphenyl	82		30 - 112				08/27/12 20:26	08/28/12 23:31	10
Terphenyl-d14	73		32 - 117				08/27/12 20:26	08/28/12 23:31	10
2-Fluorophenol	69		28 - 98				08/27/12 20:26	08/28/12 23:31	10
Phenol-d5	73		23 - 101				08/27/12 20:26	08/28/12 23:31	10
2,4,6-Tribromophenol	72		37 - 114				08/27/12 20:26	08/28/12 23:31	10

ATTACHMENT 6

ASSESSOR'S MAP 84A

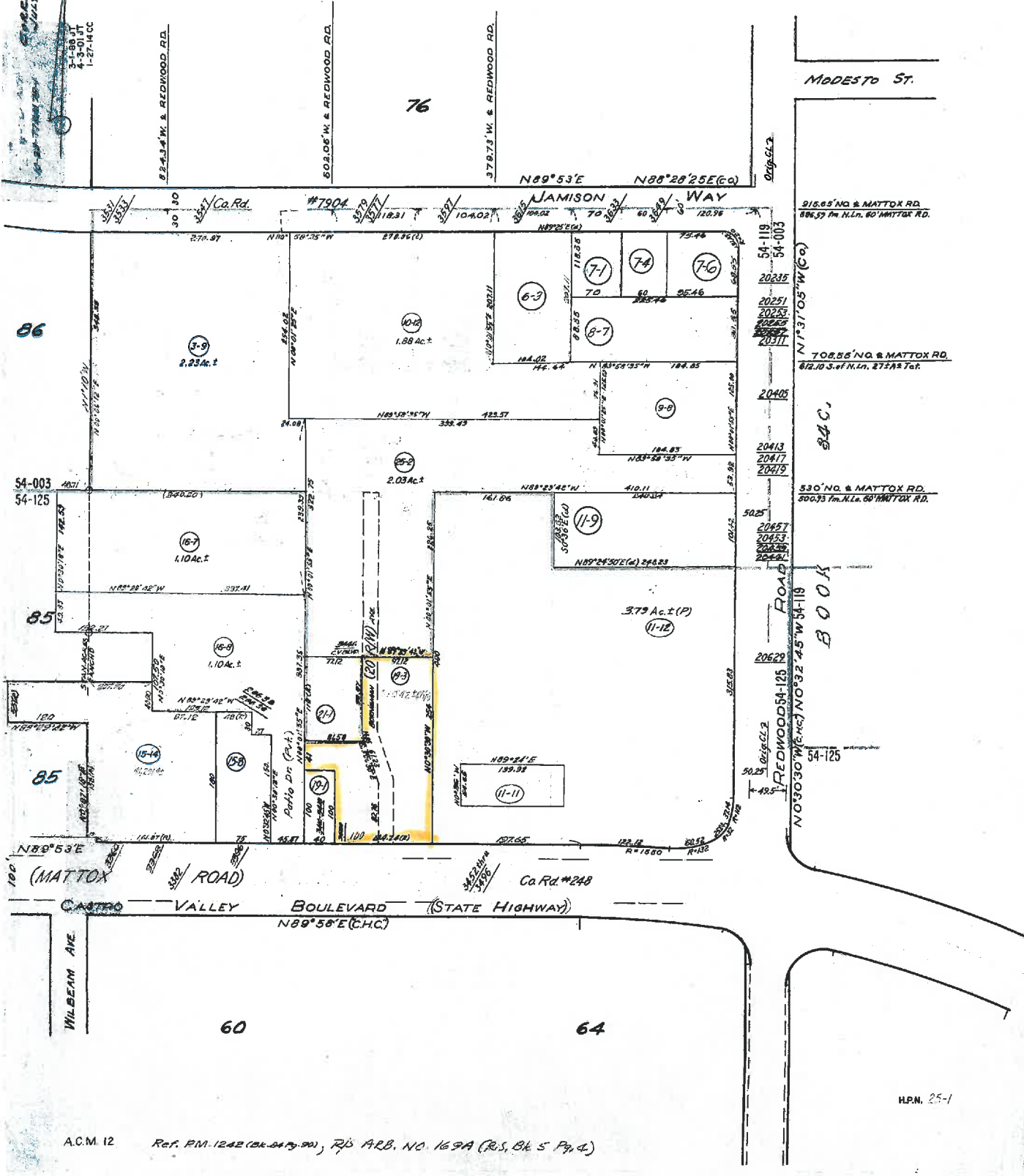
Code Area Nos. 54-119
54-125

PLAT OF THE RANCHO SAN LORENZO FINALLY CONFIRMED TO GUILLERMO CASTRO (Pat. Bk. A Pg. 142) SUBDIVISION OF STANTON ACRES (Bk. 28, Pg. 87)

SCALE 1 INCH = 100 FEET

80

EXTRACTED FROM
MAY 1953
1-27-14 CC
1-30-14 JT
2-3-14 JT



ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

Certified Mail # P 386 338 345

04/28/94
STID# 1715

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

Notice of Requirement to Reimburse

Aimee L. West Trust
Et Al
935 A. Street
Hayward, Ca 94541

Responsible Party #1
Property Owner

W. J. Inglofer
Goodyear Tire & Rubber Company
P. O. Box 660245
Dallas, Tx 75266-0245

Responsible Party #2
Contact Person
Contact Company

Former Merritt Tire Sales
3430 Castro Valley Blv
Castro Valley, CA 94546

SITE

Date First Reported 10/05/93
Substance: Waste Oil
Petroleum: (X)Yes

The federal Petroleum Leaking Underground Storage Tank Trust Fund (Federal Trust Fund) provides funding to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks. The legislature has authorized funds to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks. The direct and indirect costs of site investigation or remedial action at the above site are funded, in whole or in part, from the Federal Trust Fund. The above individual(s) or entity(ies) have been identified as the party or parties responsible for investigation and cleanup of the above site. YOU ARE HEREBY NOTIFIED that pursuant to Title 42 of the United States Code, Section 6991b(h)(6) and Sections 25297.1 and 25360 of the California Health and Safety Code, the above Responsible Party or Parties must reimburse the State Water Resources Control Board not more than 150 percent of the total amount of site specific oversight costs actually incurred while overseeing the cleanup of the above underground storage tank site, and the above Responsible Party or Parties must make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board.

Please contact Scott SEERY, Hazardous Materials Specialist at this office if you have any questions concerning this matter.


Edgar B. Howell, III, Chief
Contract Project Director

cc: Mike Harper, SWRCB

SWRCB Use:

Add : X Reason: New case

P 386 338 344
SS #1715



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

PS Form 3800, June 1991

Sent to	
Aimee L. West Trust	
Street and No.	
935 A Street	
P.O., State and ZIP Code	
Hayward CA 94541	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to: SS #1715

Aimee L. West Trust Et Al
935 A Street
Hayward CA 94541

4a. Article Number
P 386 338 344

4b. Service Type

<input type="checkbox"/> Registered	<input type="checkbox"/> Insured
<input checked="" type="checkbox"/> Certified	<input type="checkbox"/> COD
<input type="checkbox"/> Express Mail	<input type="checkbox"/> Return Receipt for Merchandise

7. Date of Delivery
5/9

5. Signature (Addressee)
Aimee L. West

6. Signature (Agent)
George Allen 09/03/94

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

ATTACHMENT 7



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

INVITATION TO COMMENT – POTENTIAL CASE CLOSURE

**MERRITT TIRE SALE
3430 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA
FUEL LEAK CASE RO0000474
GEOTRACKER GLOBAL ID T0600101801**

July 9, 2015

The above referenced site is a fuel leak case that is under the regulatory oversight of the Alameda County Environmental Health (ACEH) Local Oversight Program for the investigation and cleanup of a release of petroleum hydrocarbons from an underground storage tank system. Site investigation and cleanup activities have been completed and the site has been evaluated in accordance with the State Water Resources Control Board Low-Threat Closure Policy. The site appears to meet all of the criteria in the Low-Threat Closure Policy. Therefore, ACEH is considering closure of the fuel leak case. Due to the residual contamination on site, the site would be closed with site management requirements that require further evaluation if the site is to be redeveloped in the future.

The public is invited to review and comment on the potential closure of the fuel leak case. This notice is being sent to the current occupants and landowners of the site and adjacent properties and other known interested parties. The entire case file can be viewed over the Internet on the ACEH website (<http://www.acgov.org/aceh/lop/ust.htm>) or the State of California Water Resources Control Board GeoTracker website (<http://geotracker.waterboards.ca.gov>). Please send written comments to Karel Detterman at the address below; all comments will be forwarded to the responsible parties. **Comments received by September 15, 2015** will be considered and responded to prior to a final determination on the proposed case closure.

If you have comments or questions regarding this site, please contact the ACEH caseworker, Karel Detterman at 510-567-6708 or by email at karel.detterman@acgov.org. Please refer to ACEH case RO0000474 in any correspondence.

Sort_APN	Parcel_APN	Name	StreetAddress	Unit	City	Zip	Zip_4
084A006000403	84A-60-4-3	BDC EVERGREEN LP	1556 PARKSIDE DR		WALNUT CREEK CA	94596	3556
084A008002502	84A-80-25-2	CASTRO VILLAGE INC	3697 MT DIABLO BLVD	250	LAFAYETTE CA	94549	3604
084A008001111	84A-80-11-11	COBURN RALPH G TRUSTEE ETAL	1371 OAKLAND BLVD	200	WALNUT CREEK CA	94596	8408
084A008002101	84A-80-21-1	EDEN MANAGERMENTS & PERALTA LAND CO	504 W FIFTH ST		CARSON CITY NV	89703	4676
084A006400100	84A-64-1	JPMORGAN CHASE BANK	P.O. BOX 1919		WICHITA FALLS TX	76307	1919
084A006000308	84A-60-3-8	OCCUPANT	3385 CASTRO VALLEY BLVD		CASTRO VALLEY CA	94546	
084A006000403	84A-60-4-3	OCCUPANT	3443 CASTRO VALLEY BLVD		CASTRO VALLEY CA	94546	
084A006400100	84A-64-1	OCCUPANT	3447 CASTRO VALLEY BLVD		CASTRO VALLEY CA	94546	
084A006400200	84A-64-2	OCCUPANT	3461 CASTRO VALLEY BLVD		CASTRO VALLEY CA	94546	
084A008002502	84A-80-25-2	OCCUPANT	20413 REDWOOD RD		CASTRO VALLEY CA	94546	
084A008001901	84A-80-19-1	OCCUPANT	3410 CASTRO VALLEY BLVD		CASTRO VALLEY CA	94546	
084A008002101	84A-80-21-1	OCCUPANT	20638 PATIO DR		CASTRO VALLEY CA	94546	
084A008001111	84A-80-11-11	OCCUPANT	20629 REDWOOD RD		CASTRO VALLEY CA	94546	
084A008001112	84A-80-11-12	OCCUPANT	20629 REDWOOD RD		CASTRO VALLEY CA	94546	
084A008001903	84A-80-19-3	OCCUPANT	3430 CASTRO VALLEY BLVD		CASTRO VALLEY CA	94546	
084A006400200	84A-64-2	RUDY J A TRUST	3863 MABEL AVE		CASTRO VALLEY CA	94546	3401
084A008001112	84A-80-11-12	SAFEWAY HOLDINGS INC	1371 OAKLAND BLVD	200	WALNUT CREEK CA	94596	8408
084A008001901	84A-80-19-1	SCHWENG CHARLES & PATRICIA TRS	4355 MORELAND DR		CASTRO VALLEY CA	94546	2244
084A006000308	84A-60-3-8	VANDERWALL MARIAN E TR	2131 WILLIAMS ST		SAN LEANDRO CA	94577	3224
084A008001903	84A-80-19-3	WEST KEITH L ETAL	1352 A ST		HAYWARD CA	94541	2927

SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD
EAST BAY MUNICIPAL UTILITY DISTRICT INDUSTRIAL DISCHARGE SECTION
ALAMEDA COUNTY PUBLIC WORKS AGENCY CLEAN WATER PROGRAM
ALAMEDA COUNTY COMMUNITY DEVELOPMENT AGENCY PLANNING DEPARTMENT

1515 CLAY STREET
P.O. BOX 24055
399 ELMHURST STREET
224 WEST WINTON AVENUE

SUITE 1400
MS 702
ROOM 111

OAKLAND CA
OAKLAND CA
HAYWARD CA
HAYWARD CA

94612
94623
94544
94544

CHERIE MCCAULOU
1055 CHANDRA JOHANNESON
KWABLAH ATTIOGBE
1215 SANDRA RIVERA

CMCCAULOU@WATERBOARDS.CA.GOV
cjohanne@ebmud.com