

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

Law Department

200 Innovation Way
Akron, Ohio 44316-0001

Direct Dial: 330.796.6738
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October 21, 2013

Ms. Karel Detterman
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

RECEIVED

By Alameda County Environmental Health at 2:46 pm, Oct 22, 2013

Dear Ms. Detterman:

Attached is the *Project Status – Implementation of Corrective Action Work Plan* for the Goodyear DEX #9578, 3430 Castro Valley Boulevard, Castro Valley, California. This report was prepared in 2010 for The Goodyear Tire & Rubber Company by Stantec Consulting Services Inc. and is now being resubmitted with the required professional geologist stamp. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct, to the best of my knowledge.

If you have any questions, please don't hesitate to contact Stantec Project Manager Jack Hardin at 408-356-6124 extension 230.

Very truly yours,



Steven C. Bordenkircher
Senior Legal Counsel
The Goodyear Tire & Rubber Company

Attachment

wc

cc: Mr. Jack Hardin, Stantec – Los Gatos



Stantec Consulting Corporation
15575 Los Gatos Boulevard Building C
Los Gatos CA 95032
Tel: (408) 356-6124
Fax: (408) 356-6138

Stantec

January 27, 2010

Mr. Paresh Khatri
Alameda County Environmental Health
Environmental Health Services
1131 Harbor Parkway, Suite 250
Alameda, CA 94502-6577

Dear Mr. Khatri:

**Reference: Project Status - Implementation of Corrective Action Work Plan
Goodyear DEX #9578
3430 Castro Valley Boulevard
Castro Valley, California**

Stantec Consulting Corporation (Stantec) has completed the Soil and Groundwater Investigation tasks presented in the Castro Valley DEX #9578 Corrective Action Work Plan dated May 14, 2009. Project tasks completed to date include abandonment of monitoring well MW-3, completion of the subsurface investigation, evaluation of analytical results, and a review of the Work Plan objectives to determine if the scope of work as proposed is sufficient to meet the objectives of the Work Plan.

Based upon Stantec's findings from the September 2009 subsurface investigation, the areal extent of the UST excavation must be increased to remove the petroleum impacted soils. Given this increase of the excavation, the stability/integrity of the adjoining building foundation must be considered.

Stantec has included in this status report a revised scope of work to address the increase of the excavation and additional issues that have arisen as a result of extending the excavation. Following approval by Goodyear, the revised scope of work will be documented and presented to the Alameda County Environmental Health Department (the County) for approval prior to implementation.

The purpose of this letter is to provide a description of field activities to date and present the proposed expanded work scope based upon the data collected.

CORRECTIVE ACTION TASKS COMPLETED TO DATE

Soil and Groundwater Investigation

On September 10, 2009, Stantec completed four direct-push soil borings (SB-1, SB-4, SB-5, and SB-8) along a transect extending approximately 14 feet north (upgradient) and 45 feet south (downgradient) of the former UST excavation (Figure 1). Soil borings were advanced to approximately 20 feet below ground surface (bgs) for collection of soil and grab groundwater samples. Soil and grab groundwater samples collected were analyzed for: total petroleum hydrocarbons (TPH) as diesel range organics (DRO); total recoverable petroleum hydrocarbons (TRPH); TPH as gasoline range organics (GRO), benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tert-Butyl Ether (MTBE).

Soils were predominantly silty clays from approximately 1-foot bgs to approximately 15 feet bgs in SB-1 and SB-4 underlain by silty sand and clay from 15 feet to 20 feet bgs. Gravelly sand was

Reference: Project Status - Implementation of Corrective Action Work Plan

encountered from approximately 10 to 19 feet bgs in boring SB-8, and silty sand was encountered between 12 and 18 feet bgs in SB-5. Soil boring logs are attached as Appendix A.

Soil analytical results indicate that TPH-DRO concentrations were detected above the Regional Water Quality Control Board Environmental Screening Level (ESL) of 83 milligrams per kilogram (mg/kg), respectively, for soil samples collected from SB-1, SB-4, and SB-8. Groundwater analytical results indicate that TPH-DRO concentrations were detected above the ESL of 100 microgram per liter ($\mu\text{g/L}$) in groundwater samples collected from SB-1 and SB-4; additionally, the groundwater sample collected from SB-1 had a TRPH concentration above the ESL of 100 $\mu\text{g/L}$. Analytical results for the soil and groundwater samples collected during this subsurface investigation are included in Tables 1 and 2, respectively. Copies of certified laboratory analytical reports and chain of custody forms are provided in Appendix B.

Monitoring Well Destruction

On September 10, 2009, existing monitoring well MW-3 was abandoned via pressure grouting by ECA in accordance with State and the County well standards. At the request of Ms. Vicky Hamlin at the Alameda County Public Works Agency, a vacuum truck was utilized to remove approximately 500 gallons of oily water from MW-3 prior to the initiation of well destruction activities. The removal of 500 gallons of oily water from MW-3 was a mechanism for accelerating remediation of impacted groundwater.

The total depth of 17 feet in well MW-3 was measured prior to initiating well destruction activities to determine the length of well casing to be filled with grout. The pressure grouting proceeded by pumping grout through a tremie pipe from the bottom up. Upon completion of grouting activities, Stantec confirmed a pressure of 25 pounds per square inch was maintained for a minimum of 5 minutes. High strength concrete mix was placed into the well box to fill annular space and the well lid was secured. The location of former groundwater monitoring well MW-3 is shown on Figure 2.

CORRECTIVE ACTION TASKS TO BE COMPLETED

Based upon the analytical results and soil conditions observed during the recent field activities, modifications to the scope of work are required in order to effectively address removal of the petroleum impacted soils. The modified scope of work in conjunction with the tasks to complete the work are provided in the following sections.

UST Excavation*Excavation of Soils*

The initial areal extent of the UST excavation was based upon known site data and was anticipated to be 15 wide by 30 long by 11 feet deep. As defined by the September 2009 soil analytical results, the excavation will have to be 15 feet wide by 60 feet long in order to remove known petroleum impacted soils. The original anticipated excavation depth of 11 feet below grade is not recommended for the entire excavation due to the saturated condition of the soils at approximately 8 feet below grade. The maximum width of 15 feet has to be maintained as is defined by the presence of a high pressure natural gas line and the site building. The extended length of the excavation will limit access to and use of Service Bays 4 through 8 for approximately two weeks.

Reference: Project Status - Implementation of Corrective Action Work Plan

Shoring

As indicated in the Work Plan a qualified geotechnical engineer has reviewed the Site soil conditions and determined that shoring will be necessary during excavation activities in order to preserve the integrity of the building's foundation. Stantec has requested that the excavation subcontractor assess the most cost effective method of shoring. Slide rail shoring was determined to be the most cost-effective method.

Confirmation Sampling

Confirmation sampling will be limited to collection prior to the installation of the slide rail shoring system. One soil confirmation sample will be collected for approximately every 10 linear feet of excavation. Based upon the previous excavation dimensions, it was anticipated that nine (9) confirmation samples would be collected from a depth of 10 feet. Given the extended length of the excavation, it is anticipated that twenty (20) confirmation samples will be collected. Confirmation samples will be collected from the deepest unsaturated portion of the excavation, which is anticipated at approximately 7 feet below grade.

Removal of Groundwater

Stantec proposes to revise the depth of the excavation to one-foot above the saturated zone (approximately 7 feet below grade) and create two sumps one-foot below the water table for groundwater extraction purposes. One sump will be located in the vicinity of the former UST; the second sump will be located in the vicinity of the former groundwater monitoring well MW-3. Stantec will remove at least two volumes of water, corresponding to approximately 4,000 gallons, from the sumps. Stantec anticipates that pumping will occur concurrent with excavation activities.

The remaining tasks of the approved corrective action plan (Backfill, Compaction, Site Restoration; Groundwater Monitoring Wells Installation; Continuation of Semi-Annual Groundwater Monitoring; and Reporting) will be conducted as described in the May 14, 2009 *Corrective Action Work Plan*.

SCHEDULE

In a communication via email from Mr. Paresh Khatri of the County to Stantec, dated September 22, 2009, Stantec was granted an extension from the County for the submittal of the Excavation and Monitoring Well Installation Report from November 2, 2009 to November 30, 2009. Stantec was also granted an extension from the County to conduct the semi-annual groundwater monitoring event during the fourth quarter 2009.

On December 9, 2009, Stantec spoke with Mr. Khatri regarding the delay in the implementation of the approved CAP at the Site. Mr. Khatri stated that it was unnecessary to conduct the semi-annual sampling event at the Site until the replacement well for MW-3 is installed. Mr. Khatri confirmed that no fines would be issued to Goodyear for the delay in the schedule as long as Goodyear does not become delinquent in correspondence with the County.

Stantec is in the process of coordinating the implementation of the remaining CAP activities with Goodyear. Upon approval from Goodyear, Stantec will prepare an addendum to the Work Plan and submit the addendum to the County for review and approval.

Reference: Project Status - Implementation of Corrective Action Work Plan

If you have any questions regarding the scope of work or schedule, please contact Jack Hardin at (408) 356-6124 Ext. 230 or Dennis Middleton at (330) 896-9226.

Sincerely,

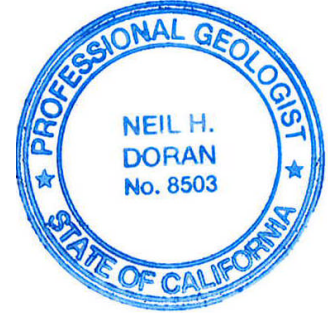
STANTEC CONSULTING CORPORATION



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Neil Doran, P.G.
Senior Geologist
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Attachments:

Figure 1 – Site Location Map

Figure 2 – Site Plan

Table 1 – Soil Sample Analytical Results

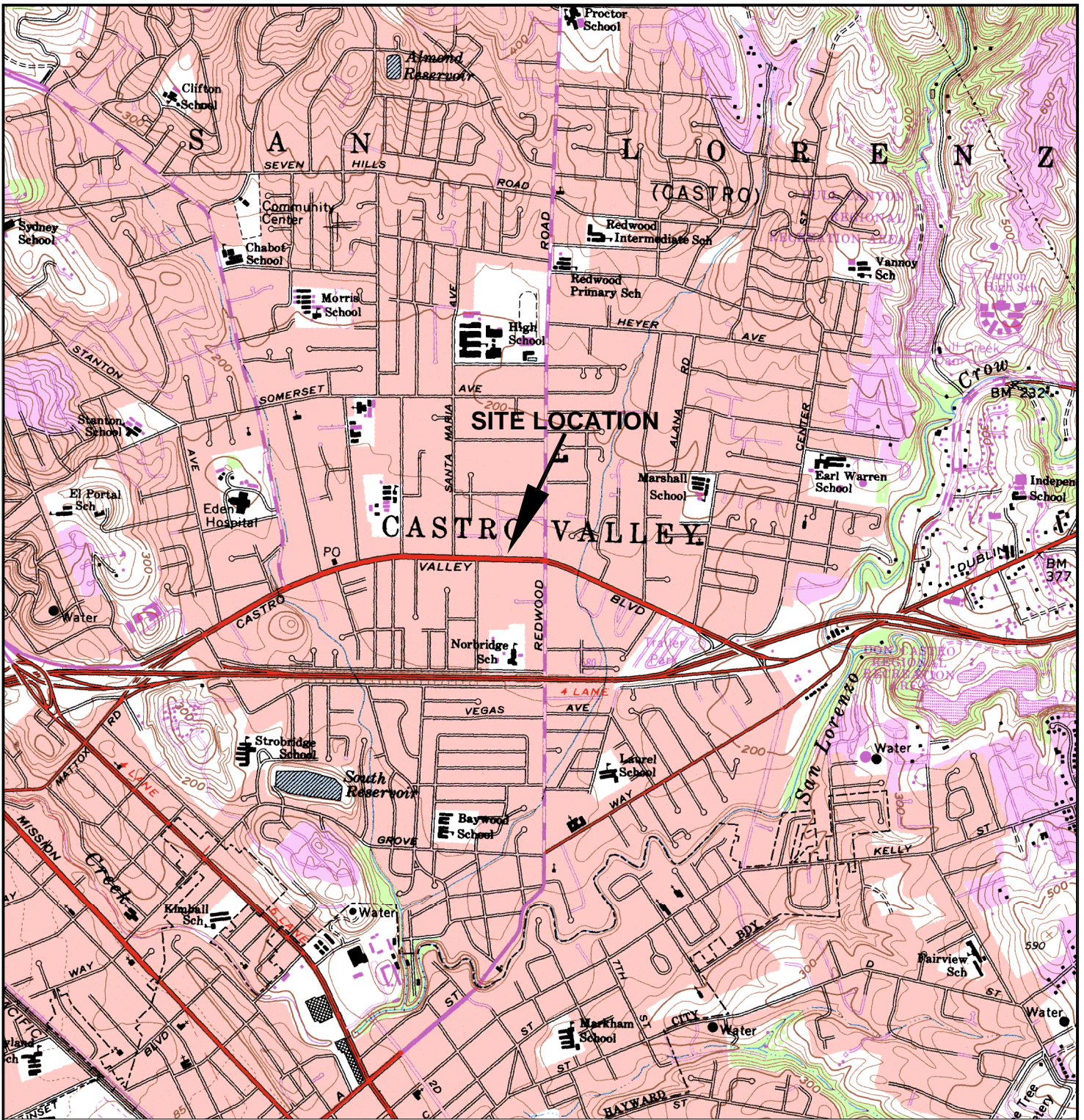
Table 2 – Groundwater Sample Analytical Results

Appendices

Appendix A – Boring Logs

Appendix B – Analytical Data

FIGURES




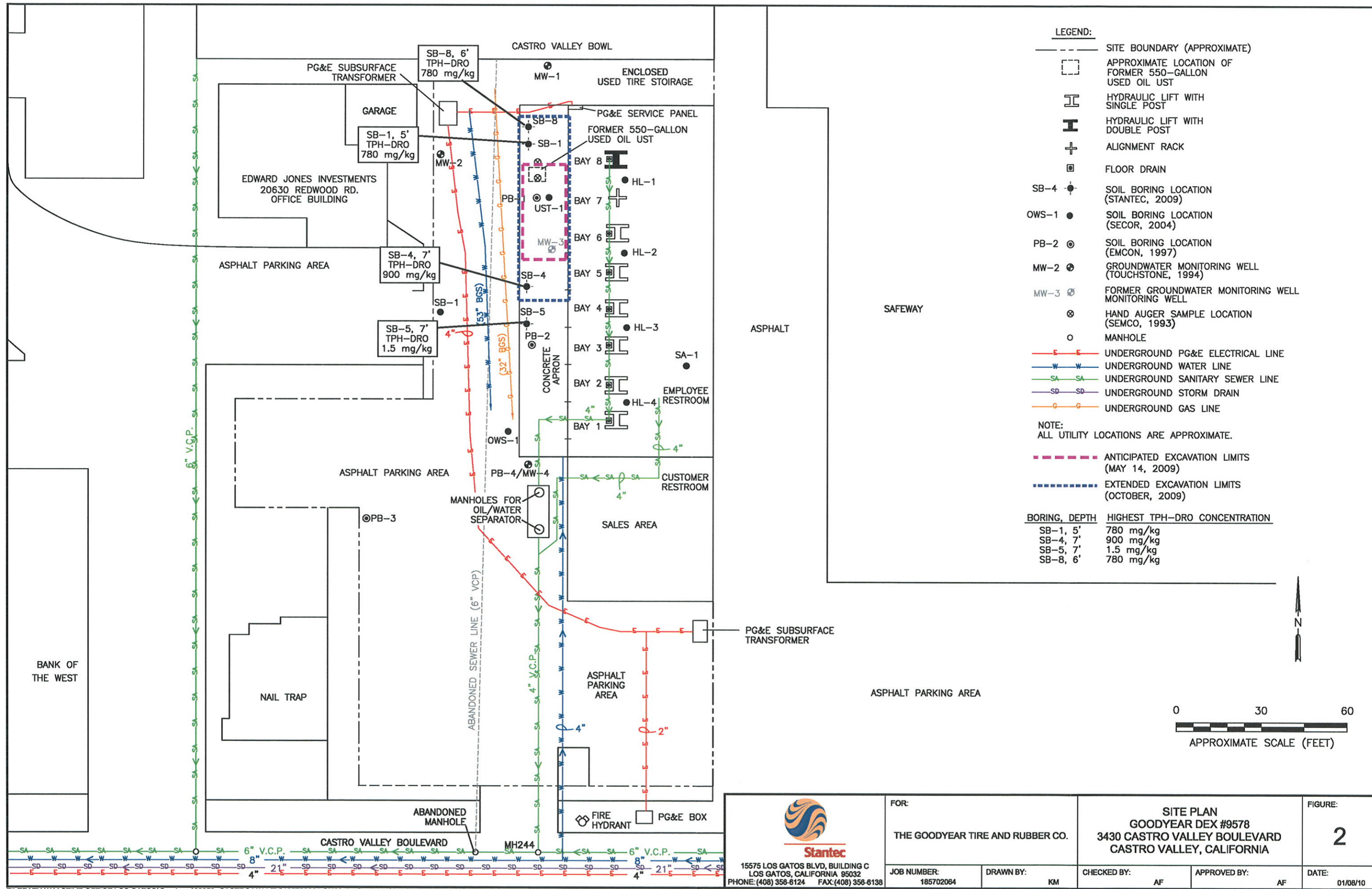
SOURCE:
USGS 7.5 MINUTE
TOPOGRAPHIC MAP—
HAYWARD, CALIFORNIA
QUADRANGLE

QUADRANGLE
LOCATION

0 2000 4000
APPROXIMATE SCALE (FEET)

N

 Stantec 15575 LOS GATOS BLVD, BUILDING C LOS GATOS, CALIFORNIA 95032 PHONE: (408) 356-6124 FAX: (408) 356-6138	FOR:		SITE LOCATION MAP GOODYEAR DEX #9578 3430 CASTRO VALLEY BOULEVARD CASTRO VALLEY, CALIFORNIA		FIGURE:
	THE GOODYEAR TIRE AND RUBBER CO.				1
JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:	
06GY.66050.	KM	AF	AF	01/15/09	

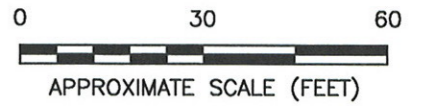



- LEGEND:**
- SITE BOUNDARY (APPROXIMATE)
 - APPROXIMATE LOCATION OF FORMER 550-GALLON USED OIL UST
 - ⌌ HYDRAULIC LIFT WITH SINGLE POST
 - ⌌ HYDRAULIC LIFT WITH DOUBLE POST
 - ⊕ ALIGNMENT RACK
 - ⊠ FLOOR DRAIN
 - SB-4 SOIL BORING LOCATION (STANTEC, 2009)
 - OWS-1 SOIL BORING LOCATION (SECOR, 2004)
 - ⊙ PB-2 SOIL BORING LOCATION (EMCON, 1997)
 - ⊙ MW-2 GROUNDWATER MONITORING WELL (TOUCHSTONE, 1994)
 - ⊙ MW-3 FORMER GROUNDWATER MONITORING WELL MONITORING WELL
 - ⊙ HAND AUGER SAMPLE LOCATION (SEMCO, 1993)
 - MANHOLE
 - E — E UNDERGROUND PG&E ELECTRICAL LINE
 - W — W UNDERGROUND WATER LINE
 - SA — SA UNDERGROUND SANITARY SEWER LINE
 - SD — SD UNDERGROUND STORM DRAIN
 - G — G UNDERGROUND GAS LINE

NOTE:
ALL UTILITY LOCATIONS ARE APPROXIMATE.

- - - - - ANTICIPATED EXCAVATION LIMITS (MAY 14, 2009)
- ⋯⋯⋯ EXTENDED EXCAVATION LIMITS (OCTOBER, 2009)

BORING, DEPTH	HIGHEST TPH-DRO CONCENTRATION
SB-1, 5'	780 mg/kg
SB-4, 7'	900 mg/kg
SB-5, 7'	1.5 mg/kg
SB-8, 6'	780 mg/kg



 Stantec 15575 LOS GATOS BLVD, BUILDING C LOS GATOS, CALIFORNIA 95032 PHONE: (408) 358-6124 FAX: (408) 358-6138	FOR: THE GOODYEAR TIRE AND RUBBER CO.		SITE PLAN GOODYEAR DEX #9578 3430 CASTRO VALLEY BOULEVARD CASTRO VALLEY, CALIFORNIA		FIGURE: 2
	JOB NUMBER: 185702064	DRAWN BY: KM	CHECKED BY: AF	APPROVED BY: AF	DATE: 01/08/10

TABLES

TABLE 1
Soil Sample Analytical Results
Goodyear DEX #9578
3430 Castro Valley Boulevard
Castro Valley, California

Confirmation Sample ID	Sample Date	TPH-GRO	TPH-DRO	TRPH	Ethylbenzene
SB-1-5'	09/10/09	1.4	780	1,900	0.027
SB-1-13'	09/10/09	1.5	260	770	<0.0048
SB-1-17'	09/10/09	<0.047	1.4	<100	<0.0047
SB-5-7'	09/10/09	<0.05	1.5	<100	<0.005
SB-5-14'	09/10/09	<0.049	1.0	<100	<0.0049
SB-5-16'	09/10/09	<0.05	1.2	<100	<0.005
SB-8-6'	09/10/09	1.4	780	2,200	<0.005
SB-8-9'	09/10/09	0.42	96	380	<0.005
SB-8-19'	09/10/09	<0.05	1.8	<100	<0.005
SB-4-2'	09/10/09	<0.05	9.5	<100	<0.005
SB-4-7'	09/10/09	<0.05	900	2,600	<0.005
SB-4-13'	09/10/09	<0.049	<0.99	<100	<0.0049
SB-4-17'	09/10/09	<0.05	<0.99	<100	<0.005
ESL where groundwater is a current or potential source of drinking water		83	83	5,000	3.3

Notes:

All soil concentrations measured in milligrams per kilogram (mg/kg), or parts per million (ppm)

Bold numbers denote concentrations at or above San Francisco Bay Regional Water Quality Control Board ESLs (May 2008) for shallow soils in commercial/industrial land use where groundwater is a current or potential source of drinking water

TPH-GRO = Total petroleum hydrocarbons as gasoline range organics by EPA 8260B/CA LUFT MS

TPH-DRO = Total petroleum hydrocarbons as diesel range organics by EPA 8015B

TRPH = Total Recoverable Petroleum Hydrocarbons by EPA Method 9071B

ESL = Environmental Screening Levels (May 2008)

There were no detections above the laboratory reporting limits for benzene, toluene, xylenes, and methyl tert-Butyl Ether (MTBE) in any of the soil samples analyzed.

TABLE 2
GROUNDWATER SAMPLE ANALYTICAL RESULTS
Goodyear DEX 9578
3430 Castro Valley Boulevard
Castro Valley, California

Confirmation Sample ID	Date	TPH GRO	TPH DRO	TRPH	B	T	E	X	MTBE
SB-1-GW	9/10/2009	<50	125	4,400	<0.50	<0.50	<0.50	<0.50	<0.50
SB-4-GW	9/10/2009	<50	106	<100,000	<0.50	<0.50	<0.50	<0.50	<0.50
SB-5-GW	9/10/2009	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50
ESL where GW:	IS a current or potential source of drinking water:								
		100	100	100	1.0	40	30	20	5.0
MCL:		-	-	-	1.0	150	300	1,750*	13

Notes:

All groundwater concentrations measured in micrograms per liter (µg/L), or parts per billion (ppb)

Bold numbers denote concentrations at or above San Francisco Bay Regional Water Quality Control Board

ESLs (May 2008) where groundwater is a current or potential drinking water source

MCLs are from Title 22, California Code of Regulations (CCR) Article 5.5 Primary Standards Organic Chemicals

ESL = Environmental Screening Levels

MCL = Maximum Contaminant Levels

TPH GRO = Total Petroleum Hydrocarbons as Gasoline Range Organics (C4 to C12)

TPH DRO = Total Petroleum Hydrocarbons as Diesel Range Organics (C10 to C28)

TRPH = Total Petroleum Hydrocarbons as Oil Range Organics (C16 to C36). Analyte was detected at a level less than the Reporting Limit and greater than the method detection limit; therefore, concentrations are estimated.

MTBE Methyl-tert-butyl ether

B = Benzene

T = Toluene

E = Ethylbenzene

X = Total Xylenes

* = Estimated Value

NA = Not Analyzed - container broke in transit

1,750* = MCL is for the sum of isomers

APPENDIX A

Boring Logs

PROJECT: Goodyear- Castro Valley CAWP- SBs	WELL / PROBEHOLE / BOREHOLE NO: SB-1 PAGE 1 OF 1
LOCATION: 3430 Castro Valley Blvd., Castro Valley	
PROJECT NUMBER: 185702115.200.0001	
DRILLING: STARTED 9/10/09 COMPLETED: 9/10/09	NORTHING (ft):
INSTALLATION: STARTED 9/10/09 COMPLETED: 9/10/09	EASTING (ft):
DRILLING COMPANY: ECA	LATITUDE:
DRILLING EQUIPMENT: Geoprobe	LONGITUDE:
DRILLING METHOD: Direct-Push	GROUND ELEV (ft):
SAMPLING EQUIPMENT: Macro-cores	TOC ELEV (ft):
	INITIAL DTW (ft): 15 9/10/09
	BOREHOLE DEPTH (ft): 20.0
	STATIC DTW (ft):
	WELL DEPTH (ft): ---
	WELL CASING DIAMETER (in): ---
	BOREHOLE DIAMETER (in): 4
	LOGGED BY: MB
	CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P ID (units)	Depth (feet)	Borehole Backfill
			Concrete		840 SB-1@ 0.5-0.5'			12.8 ppm		
		CL-ML	SILTY CLAY ; CL-ML; dark gray black; non plastic; soft; moist; slight odor; no staining		842 SB-1@ 2-2'			18.9 ppm		
		CL-ML	SILTY CLAY ; CL-ML; dark gray green; non plastic; stiff to soft; dry to moist; strong odor; hydrocarbon staining		845 SB-1@ 3-3'			25.8 ppm		
5		CL-ML	SILTY CLAY ; CL-ML; dark gray green; non plastic; stiff to soft; dry to moist; strong odor; hydrocarbon staining		848 SB-1@ 4-4'			56.9 ppm		
			As Above: Becoming light brown, stiff to hard, and moist		850 SB-1-5			MAX	5	
		CL-ML	SILTY CLAY ; CL-ML; tannish brown orange; non plastic; hard; moist to dry; strong odor; no staining; mottled		855 SB-1@ 6-6'			553 ppm		
			As Above: Some green/brown streaking and mottled gray		900 SB-1@ 7-7'			439 ppm		
			At 9 ft. bgs- Thin (< 1") medium to fine gravel lense with medium to coarse sandy matrix		905 SB-1@ 8-8'			338 ppm		
10			As Above: Less green streaking		910 SB-1@ 9-9'			105 ppm		
			As Above: More green streaking, firm		915 SB-1@ 10-10'			78.8 ppm	10	
		CL-ML	SILTY CLAY ; CL-ML; green gray; low plasticity; soft to stiff; moist; moderate odor; no staining; Increasing Silts		920 SB-1@ 11-11'			68.9 ppm		
		CL-ML	SILTY CLAY ; CL-ML; brown green; medium plasticity; soft; moist; strong odor; no staining		925 SB-1@ 12-12'			85.9 ppm		
		CL-ML	At 12.5 ft. bgs- Thin (< 1") medium to fine gravel lense with medium to coarse sandy matrix		930 SB-1-13			72.8 ppm		
		SM	SILTY CLAY TRACE FINE SAND ; CL-ML; orangeish brown green; non plastic; hard to medium stiff; moist; slight odor; no staining		940 SB-1@ 14-14'			58.9 ppm		
15			As Above: Increasing sands and silts		955 SB-1@ 15-15'			29.8 ppm	15	
		SM	SILTY SAND TRACE CLAY ; SM; pale orange; fine to medium-grained; non plastic; dense to medium dense; wet to saturated; slight odor; no staining		1010 SB-1@ 16-16'			10.2 ppm		
			As Above: Becoming medium to coarse sand and saturated		1020 SB-1-17			10.1 ppm		
		CL	As Above: Increasing fine to medium gravels		1030 SB-1@ 18-18'			4.0 ppm		
			CLAY TRACE SILT ; CL; orangeish brown; low plasticity; hard to medium dense; dry to moist; no odor; no staining		1035 SB-1@ 19-19'			5.0 ppm		
20			Hole terminated at 20 feet.		1040 SB-1@ 20-20'			2.2 ppm	20	
					1045 SB-1-GW					

GEO FORM 304 GY- CASTRO VALLEY SBS.GPJ SECOR.INTL.GDT 9/16/09

PROJECT: Goodyear- Castro Valley CAWP- SBs	WELL / PROBEHOLE / BOREHOLE NO:
LOCATION: 3430 Castro Valley Blvd., Castro Valley	SB-4 PAGE 1 OF 1
PROJECT NUMBER: 185702115.200.0001	
DRILLING: STARTED 9/10/09 COMPLETED: 9/10/09	NORTHING (ft):
INSTALLATION: STARTED 9/10/09 COMPLETED: 9/10/09	EASTING (ft):
DRILLING COMPANY: ECA	LATITUDE:
DRILLING EQUIPMENT: Geoprobe	LONGITUDE:
DRILLING METHOD: Direct-Push	GROUND ELEV (ft):
SAMPLING EQUIPMENT: Macro-cores	TOC ELEV (ft):
	INITIAL DTW (ft): 14.6 9/10/09
	BOREHOLE DEPTH (ft): 20.0
	STATIC DTW (ft):
	WELL DEPTH (ft): ---
	WELL CASING DIAMETER (in): ---
	BOREHOLE DIAMETER (in): 4
	LOGGED BY: MB
	CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
			Concrete		1415 SB-4@ 0.5-0.5'			3.2		
		CL-ML	SILTY CLAY ; CL-ML; dark gray gray; non plastic; stiff to hard; dry to moist; slight odor; no staining		1045 SB-4@ 1-1'			5.1		
			As Above: Becoming dark gray, low to no plasticity, moderate HC odor, soft to stiff, and moist		1515 SB-4-2			6.2		
			As Above: Slight HC odor		1515 SB-4@ 3-3'			4.3		
5		CL	CLAY TRACE SILT ; CL; gray; medium plasticity; stiff to hard; dry to moist; no odor; no staining		1516 SB-4-5			3.8	5	
			As Above: Becoming tannish brown, gray mottling		1516 SB-4@ 6-6'			15.3		
					1517 SB-4@ 7-7'			32.9		
					1517 SB-4@ 8-8'			5.9		
		CL	CLAY TRACE SILT ; CL; brown tan; low plasticity; stiff; moist to dry; no odor; no staining		1518 SB-4@ 9-9'			4.3		
10			As Above: Soft, increasing silt		1518 SB-4@ 10-10'			3.1	10	
					1519 SB-4@ 11-11'			1.1		
		CL-ML	SILTY CLAY ; CL-ML; brown tan; low plasticity; stiff; dry to moist; no odor; no staining		1519 SB-4@ 12-12'			1.6		
			As Above: Medium plasticity, soft, and moist		1520 SB-4-13			0.8		
					1522 SB-4@ 14-14'			0.9		
15		CL-ML	CLAYEY SILT TRACE FINE SAND ; CL-ML; orangeish brown tan; non plastic; soft to stiff; moist to wet; no odor; no staining		1523 SB-4@ 15-15'			1.1	15	
		SM	SILTY SAND TRACE CLAY ; SM; orangeish brown tan; fine to medium-grained; dense to medium dense; wet to saturated; no odor; no staining		1526 SB-4@ 16-16'			2.3		
			As Above: Medium to coarse sands, trace fine gravels		1530 SB-4-17			2.2		
			Macro-core liner stuck in sampling sleeve, no recovery							
20		CL	CLAY TRACE SILT ; CL; orangeish brown; low plasticity; hard to stiff; dry to moist; no odor; no staining						20	
			Hole terminated at 20 feet.		1600 SB-4-GW					

GEO FORM 304 GY- CASTRO VALLEY SBS.GPJ SECOR.INTL.GDT 9/16/09

PROJECT: Goodyear- Castro Valley CAWP- SBs	WELL / PROBEHOLE / BOREHOLE NO:
LOCATION: 3430 Castro Valley Blvd., Castro Valley	SB-5 PAGE 1 OF 1
PROJECT NUMBER: 185702115.200.0001	
DRILLING: STARTED 9/10/09 COMPLETED: 9/10/09	NORTHING (ft):
INSTALLATION: STARTED 9/10/09 COMPLETED: 9/10/09	EASTING (ft):
DRILLING COMPANY: ECA	LATITUDE:
DRILLING EQUIPMENT: Geoprobe	LONGITUDE:
DRILLING METHOD: Direct-Push	GROUND ELEV (ft):
SAMPLING EQUIPMENT: Macro-cores	TOC ELEV (ft):
	INITIAL DTW (ft): 14 9/10/09
	BOREHOLE DEPTH (ft): 20.0
	STATIC DTW (ft):
	WELL DEPTH (ft): ---
	WELL CASING DIAMETER (in): ---
	BOREHOLE DIAMETER (in): 4
	LOGGED BY: MB
	CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
			Concrete		1615					
		CL-ML	SILTY CLAY ; CL-ML; dark gray gray; non plastic; stiff to hard; dry to moist; slight odor; no staining		SB-5@ 0.5-0.5'			0.8		
			As Above: Becoming dark gray, low to no plasticity, soft to stiff, and moist		1617			1.6		
					SB-5@ 1-1'			1.1		
					1619					
					SB-5@ 2-2'			0.8		
					1621					
					SB-5@ 3-3'			0.6		
					1625					
					SB-5@ 4-4'			0.2	5	
5		CL-ML	SILTY CLAY ; CL-ML; dark brown gray; low plasticity; hard; dry to moist; no odor; no staining		1630			0.1		
			As Above: Becoming tannish brown, no plasticity, and increasing silt		SB-5@ 5-5'			0		
					1633					
					SB-5@ 6-6'			0		
					1635					
					SB-5-7 1517			0.1		
					SB-5@ 8-8'			0		
					1518					
					SB-5@ 9-9'			0		
					1518					
					SB-5@ 10-10'			0.2	10	
10			As Above: Becoming stiff and moist to wet		1519					
					SB-5@ 11-11'			0.3		
					1519					
		SM	SILTY SAND ; SM; tannish brown orange; fine to medium-grained; medium dense to loose; moist to wet; no odor; no staining		SB-5@ 12-12'			0		
			As Above: Becoming medium to coarse sand and wet		1520					
			As Above: Becoming fine to medium sand, trace fines, loose to very loose, and saturated		SB-5@ 13-13'			0		
			As Above: Becoming coarse sand, trace fine to medium gravels		1645			0		
					SB-5-14			0		
					1648					
					SB-5@ 15-15'			0	15	
15					1652					
					SB-5@ 16-16'			0.1		
					1655					
					SB-5-17			0		
					1658					
		CL	CLAY ; CL; tannish brown orange; non plastic; hard; dry to moist; no odor; no staining		SB-5@ 18-18'			0		
					1700					
					SB-5@ 19-19'			0		
					1702					
					SB-5@ 20-20'			0	20	
20			Hole terminated at 20 feet.		1725					
					SB-5-GW					

GEO FORM 304 GY- CASTRO VALLEY SBS.GPJ SECOR.INTL.GDT 9/16/09

PROJECT: Goodyear- Castro Valley CAWP- SBs	WELL / PROBEHOLE / BOREHOLE NO:
LOCATION: 3430 Castro Valley Blvd., Castro Valley	SB-8 PAGE 1 OF 1
PROJECT NUMBER: 185702115.200.0001	
DRILLING: STARTED 9/10/09 COMPLETED: 9/10/09	NORTHING (ft): EASTING (ft):
INSTALLATION: STARTED 9/10/09 COMPLETED: 9/10/09	LATITUDE: LONGITUDE:
DRILLING COMPANY: ECA	GROUND ELEV (ft): TOC ELEV (ft):
DRILLING EQUIPMENT: Geoprobe	INITIAL DTW (ft): 10 9/10/09 BOREHOLE DEPTH (ft): 20.0
DRILLING METHOD: Direct-Push	STATIC DTW (ft): WELL DEPTH (ft): ---
SAMPLING EQUIPMENT: Macro-cores	WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): 4
	LOGGED BY: MB CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
			Concrete		1140					
		CL	CLAY TRACE SILT ; CL; dark gray black; non plastic; stiff; dry to moist; slight odor; no staining		SB-8@ 0.5-0.5'			3.9		
					1142			6.9		
					SB-8@ 1-1'			12.8		
					1144					
			As Above: Becoming dark gray/green, slight to moderate HC odor		SB-8@ 2-2'			59.3		
					1146					
					SB-8@ 3-3'			57.7		
					1148					
			As Above: Becoming gray/green, medium to high plasticity, strong HC odor, stiff to hard, and moist		SB-8@ 4-4'			56.9	5	
					1150					
			As Above: Becoming gray		SB-8@ 5-5'			78.9		
					1155					
					SB-8-6 1200			85.8		
					SB-8@ 7-7'					
					1205			90.1		
			As Above: Becoming gray/green		SB-8@ 8-8'					
					1210			95.3		
					SB-8-9					
					1215			50.2	10	
		SP	GRAVELLY SAND SOME SILT SOME CLAY ; SP; orangeish brown; fine to medium-grained; medium dense; wet to saturated; no odor; no staining		SB-8@ 10-10'			10.1		
			As Above: Increasing silt, decreasing gravel, wet to moist		1217					
					SB-8@ 11-11'			9.9		
					1219					
			As Above: Becoming moist		SB-8@ 12-12'			9.2		
					1220					
					SB-8@ 13-13'			3.8		
					1221					
			As Above: Becoming dense and wet to saturated		SB-8@ 14-14'			2.2	15	
					1222					
					SB-8@ 15-15'			1.5		
					1225					
			As Above: Increasing medium to coarse gravels		SB-8@ 16-16'			0.9		
					1226					
					SB-8@ 17-17'			0.8		
					1228					
					SB-8@ 18-18'			0.2		
					1230					
		CL	CLAY ; CL; orangeish brown; low plasticity; hard to very hard; dry to moist; no odor; no staining		SB-8-19					
			Hole terminated at 20 feet.		1232			0	20	
					SB-8@ 20-20'					

APPENDIX B
Analytical Data

ANALYTICAL REPORT

Job Number: 720-22544-1

Job Description: Goodyear -DEX ID No.9578 Castro Valley

For:
Stantec Consulting Corp.
1505 Corporate Woods Parkway
Suite 150
Uniontown, OH 44685
Attention: Dennis Middleton



Approved for release.
Dimple Sharma
Project Manager I
9/18/2009 5:06 PM

Designee for
Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
09/18/2009

CA ELAP Certification # 2496

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A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.

TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566

Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Job Narrative
720-J22544-1

Comments

No additional comments.

Receipt

Did not receive any waters in the cooler with the soils. Logged waters on hold.

All samples were received at the laboratory outside the required temperature criteria: Ice was melted.

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

GC/MS VOA

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside the upper control limit: SB-4-2 (720-22544-13), SB-4-7 (720-22544-14). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: The grand mean exception, as outlined in EPA Method 8000B, was applied to the initial calibration (ICAL). This rule states that when one or more compounds in the ICAL fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %RSD (the grand mean) of all the compounds in the ICAL is less than or equal to 15%RSD. Acetone in the ICAL fail to meet acceptance criteria. Data was reported with qualifier.

No other analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: SB-4-7 (720-22544-14).

No other analytical or quality issues were noted.

Organic Prep

Method(s) 9071B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 57799 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-22544-4	SB-1-5'				
Ethylbenzene		27	4.8	ug/Kg	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		1400	48	ug/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		780	5.0	mg/Kg	8015B
SGT-HEM		1900	100	mg/Kg	9071B
720-22544-5	SB-1-13'				
Gasoline Range Organics (GRO)-C5-C12		1500	48	ug/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		260	2.0	mg/Kg	8015B
SGT-HEM		770	100	mg/Kg	9071B
720-22544-6	SB-1-17'				
Diesel Range Organics [C10-C28]		1.4	1.0	mg/Kg	8015B
720-22544-7	SB-5-7'				
Diesel Range Organics [C10-C28]		1.5	1.0	mg/Kg	8015B
720-22544-8	SB-5-14'				
Diesel Range Organics [C10-C28]		1.0	1.0	mg/Kg	8015B
720-22544-9	SB-5-16'				
Diesel Range Organics [C10-C28]		1.2	0.99	mg/Kg	8015B
720-22544-10	SB-8-6				
Gasoline Range Organics (GRO)-C5-C12		1400	50	ug/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		780	5.0	mg/Kg	8015B
SGT-HEM		2200	100	mg/Kg	9071B
720-22544-11	SB-8-9				
Gasoline Range Organics (GRO)-C5-C12		420	50	ug/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		96	1.0	mg/Kg	8015B
SGT-HEM		380	100	mg/Kg	9071B
720-22544-12	SB-8-19				
Diesel Range Organics [C10-C28]		1.8	0.99	mg/Kg	8015B

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-22544-13	SB-4-2				
Diesel Range Organics [C10-C28]		9.5	0.99	mg/Kg	8015B
720-22544-14	SB-4-7				
Diesel Range Organics [C10-C28]		900	9.9	mg/Kg	8015B
SGT-HEM		2600	100	mg/Kg	9071B

METHOD SUMMARY

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B
HEM	TAL SF	SW846 9071B	
HEM	TAL SF		SW846 9071B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

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

SAMPLE SUMMARY

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-22544-4	SB-1-5'	Solid	09/10/2009 0850	09/15/2009 1200
720-22544-5	SB-1-13'	Solid	09/10/2009 0930	09/15/2009 1200
720-22544-6	SB-1-17'	Solid	09/10/2009 1020	09/15/2009 1200
720-22544-7	SB-5-7'	Solid	09/10/2009 1635	09/15/2009 1200
720-22544-8	SB-5-14'	Solid	09/10/2009 1645	09/15/2009 1200
720-22544-9	SB-5-16'	Solid	09/10/2009 1655	09/15/2009 1200
720-22544-10	SB-8-6	Solid	09/10/2009 1155	09/15/2009 1200
720-22544-11	SB-8-9	Solid	09/10/2009 1210	09/15/2009 1200
720-22544-12	SB-8-19	Solid	09/10/2009 1230	09/15/2009 1200
720-22544-13	SB-4-2	Solid	09/10/2009 1515	09/15/2009 1200
720-22544-14	SB-4-7	Solid	09/10/2009 1517	09/15/2009 1200
720-22544-15	SB-4-13	Solid	09/10/2009 1520	09/15/2009 1200
720-22544-16	SB-4-17	Solid	09/10/2009 1530	09/15/2009 1200

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-1-5'

Lab Sample ID: 720-22544-4

Date Sampled: 09/10/2009 0850

Client Matrix: Solid

Date Received: 09/15/2009 1200

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-57764 Instrument ID: CHMSV2
Preparation: 5030B Prep Batch: 720-57805 Lab File ID: 09170915.D
Dilution: 1.0 Initial Weight/Volume:
Date Analyzed: 09/17/2009 1526 Final Weight/Volume:
Date Prepared: 09/17/2009 0800

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.8
Benzene		ND		4.8
Ethylbenzene		27		4.8
Toluene		ND		4.8
Xylenes, Total		ND		9.7
Gasoline Range Organics (GRO)-C5-C12		1400		48

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		52 - 130
1,2-Dichloroethane-d4 (Surr)	101		67 - 132
Toluene-d8 (Surr)	97		58 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-1-17'

Lab Sample ID: 720-22544-6

Date Sampled: 09/10/2009 1020

Client Matrix: Solid

Date Received: 09/15/2009 1200

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-57704 Instrument ID: CHMSV2
Preparation: 5030B Prep Batch: 720-57767 Lab File ID: 09160929.D
Dilution: 1.0 Initial Weight/Volume:
Date Analyzed: 09/17/2009 0043 Final Weight/Volume:
Date Prepared: 09/16/2009 0759

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.7
Benzene		ND		4.7
Ethylbenzene		ND		4.7
Toluene		ND		4.7
Xylenes, Total		ND		9.4
Gasoline Range Organics (GRO)-C5-C12		ND		47

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	89		52 - 130
1,2-Dichloroethane-d4 (Surr)	99		67 - 130
Toluene-d8 (Surr)	102		58 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-1-13'

Lab Sample ID: 720-22544-5

Date Sampled: 09/10/2009 0930

Client Matrix: Solid

Date Received: 09/15/2009 1200

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-57704 Instrument ID: CHMSV2
Preparation: 5030B Prep Batch: 720-57767 Lab File ID: 09160928.D
Dilution: 1.0 Initial Weight/Volume:
Date Analyzed: 09/17/2009 0012 Final Weight/Volume:
Date Prepared: 09/16/2009 0759

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.8
Benzene		ND		4.8
Ethylbenzene		ND		4.8
Toluene		ND		4.8
Xylenes, Total		ND		9.6
Gasoline Range Organics (GRO)-C5-C12		1500		48

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	110		52 - 130
1,2-Dichloroethane-d4 (Surr)	102		67 - 130
Toluene-d8 (Surr)	104		58 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-5-7'

Lab Sample ID: 720-22544-7

Date Sampled: 09/10/2009 1635

Client Matrix: Solid

Date Received: 09/15/2009 1200

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-57740 Instrument ID: HP4
Preparation: 5030B Prep Batch: 720-57808 Lab File ID: 09160909.D
Dilution: 1.0 Initial Weight/Volume:
Date Analyzed: 09/16/2009 2053 Final Weight/Volume:
Date Prepared: 09/16/2009 1600

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Benzene		ND		5.0
Ethylbenzene		ND		5.0
Toluene		ND		5.0
Xylenes, Total		ND		10
Gasoline Range Organics (GRO)-C5-C12		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		52 - 130
1,2-Dichloroethane-d4 (Surr)	130		67 - 130
Toluene-d8 (Surr)	105		58 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-5-14'

Lab Sample ID: 720-22544-8

Date Sampled: 09/10/2009 1645

Client Matrix: Solid

Date Received: 09/15/2009 1200

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-57704 Instrument ID: CHMSV2
Preparation: 5030B Prep Batch: 720-57767 Lab File ID: 09160917.D
Dilution: 1.0 Initial Weight/Volume:
Date Analyzed: 09/16/2009 1830 Final Weight/Volume:
Date Prepared: 09/16/2009 0759

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.9
Benzene		ND		4.9
Ethylbenzene		ND		4.9
Toluene		ND		4.9
Xylenes, Total		ND		9.8
Gasoline Range Organics (GRO)-C5-C12		ND		49

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	86		52 - 130
1,2-Dichloroethane-d4 (Surr)	97		67 - 130
Toluene-d8 (Surr)	98		58 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-5-16'

Lab Sample ID: 720-22544-9

Date Sampled: 09/10/2009 1655

Client Matrix: Solid

Date Received: 09/15/2009 1200

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-57740 Instrument ID: HP4
Preparation: 5030B Prep Batch: 720-57808 Lab File ID: 09160910.D
Dilution: 1.0 Initial Weight/Volume:
Date Analyzed: 09/16/2009 2125 Final Weight/Volume:
Date Prepared: 09/16/2009 1600

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Benzene		ND		5.0
Ethylbenzene		ND		5.0
Toluene		ND		5.0
Xylenes, Total		ND		9.9
Gasoline Range Organics (GRO)-C5-C12		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		52 - 130
1,2-Dichloroethane-d4 (Surr)	130		67 - 130
Toluene-d8 (Surr)	103		58 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-8-6

Lab Sample ID: 720-22544-10

Date Sampled: 09/10/2009 1155

Client Matrix: Solid

Date Received: 09/15/2009 1200

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-57837 Instrument ID: CHMSV2
Preparation: 5030B Prep Batch: 720-57869 Lab File ID: 09170932.D
Dilution: 1.0 Initial Weight/Volume:
Date Analyzed: 09/17/2009 2355 Final Weight/Volume:
Date Prepared: 09/17/2009 0800

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Benzene		ND		5.0
Ethylbenzene		ND		5.0
Toluene		ND		5.0
Xylenes, Total		ND		9.9
Gasoline Range Organics (GRO)-C5-C12		1400		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		52 - 130
1,2-Dichloroethane-d4 (Surr)	104		67 - 132
Toluene-d8 (Surr)	100		58 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-8-9

Lab Sample ID: 720-22544-11

Date Sampled: 09/10/2009 1210

Client Matrix: Solid

Date Received: 09/15/2009 1200

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-57837 Instrument ID: CHMSV2
Preparation: 5030B Prep Batch: 720-57869 Lab File ID: 09170933.D
Dilution: 1.0 Initial Weight/Volume:
Date Analyzed: 09/18/2009 0026 Final Weight/Volume:
Date Prepared: 09/17/2009 0800

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Benzene		ND		5.0
Ethylbenzene		ND		5.0
Toluene		ND		5.0
Xylenes, Total		ND		10
Gasoline Range Organics (GRO)-C5-C12		420		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		52 - 130
1,2-Dichloroethane-d4 (Surr)	95		67 - 132
Toluene-d8 (Surr)	104		58 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-8-19

Lab Sample ID: 720-22544-12

Date Sampled: 09/10/2009 1230

Client Matrix: Solid

Date Received: 09/15/2009 1200

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-57740 Instrument ID: HP4
Preparation: 5030B Prep Batch: 720-57808 Lab File ID: 09160915.D
Dilution: 1.0 Initial Weight/Volume:
Date Analyzed: 09/17/2009 0005 Final Weight/Volume:
Date Prepared: 09/16/2009 1600

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Benzene		ND		5.0
Ethylbenzene		ND		5.0
Toluene		ND		5.0
Xylenes, Total		ND		10
Gasoline Range Organics (GRO)-C5-C12		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		52 - 130
1,2-Dichloroethane-d4 (Surr)	123		67 - 130
Toluene-d8 (Surr)	105		58 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-4-2

Lab Sample ID: 720-22544-13

Date Sampled: 09/10/2009 1515

Client Matrix: Solid

Date Received: 09/15/2009 1200

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-57740 Instrument ID: HP4
Preparation: 5030B Prep Batch: 720-57808 Lab File ID: 09160916.D
Dilution: 1.0 Initial Weight/Volume:
Date Analyzed: 09/17/2009 0037 Final Weight/Volume:
Date Prepared: 09/16/2009 1600

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Benzene		ND		5.0
Ethylbenzene		ND		5.0
Toluene		ND		5.0
Xylenes, Total		ND		10
Gasoline Range Organics (GRO)-C5-C12		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	87		52 - 130
1,2-Dichloroethane-d4 (Surr)	161	X	67 - 130
Toluene-d8 (Surr)	109		58 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-4-7

Lab Sample ID: 720-22544-14
Client Matrix: Solid

Date Sampled: 09/10/2009 1517
Date Received: 09/15/2009 1200

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-57740 Instrument ID: HP4
Preparation: 5030B Prep Batch: 720-57808 Lab File ID: 09160917.D
Dilution: 1.0 Initial Weight/Volume:
Date Analyzed: 09/17/2009 0109 Final Weight/Volume:
Date Prepared: 09/16/2009 1600

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Benzene		ND		5.0
Ethylbenzene		ND		5.0
Toluene		ND		5.0
Xylenes, Total		ND		10
Gasoline Range Organics (GRO)-C5-C12		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		52 - 130
1,2-Dichloroethane-d4 (Surr)	132	X	67 - 130
Toluene-d8 (Surr)	104		58 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-4-13

Lab Sample ID: 720-22544-15

Date Sampled: 09/10/2009 1520

Client Matrix: Solid

Date Received: 09/15/2009 1200

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-57740 Instrument ID: HP4
Preparation: 5030B Prep Batch: 720-57808 Lab File ID: 09160918.D
Dilution: 1.0 Initial Weight/Volume:
Date Analyzed: 09/17/2009 0141 Final Weight/Volume:
Date Prepared: 09/16/2009 1600

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.9
Benzene		ND		4.9
Ethylbenzene		ND		4.9
Toluene		ND		4.9
Xylenes, Total		ND		9.8
Gasoline Range Organics (GRO)-C5-C12		ND		49

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		52 - 130
1,2-Dichloroethane-d4 (Surr)	127		67 - 130
Toluene-d8 (Surr)	104		58 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-4-17

Lab Sample ID: 720-22544-16

Date Sampled: 09/10/2009 1530

Client Matrix: Solid

Date Received: 09/15/2009 1200

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-57740 Instrument ID: HP4
Preparation: 5030B Prep Batch: 720-57808 Lab File ID: 09160919.D
Dilution: 1.0 Initial Weight/Volume:
Date Analyzed: 09/17/2009 0212 Final Weight/Volume:
Date Prepared: 09/16/2009 1600

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Benzene		ND		5.0
Ethylbenzene		ND		5.0
Toluene		ND		5.0
Xylenes, Total		ND		9.9
Gasoline Range Organics (GRO)-C5-C12		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		52 - 130
1,2-Dichloroethane-d4 (Surr)	125		67 - 130
Toluene-d8 (Surr)	104		58 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-1-5'

Lab Sample ID: 720-22544-4

Date Sampled: 09/10/2009 0850

Client Matrix: Solid

Date Received: 09/15/2009 1200

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-57770	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-57706	Initial Weight/Volume:	30.06 g
Dilution:	5.0		Final Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 2200		Injection Volume:	1 uL
Date Prepared:	09/16/2009 1318		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		780		5.0
Surrogate	%Rec	Qualifier	Acceptance Limits	
p-Terphenyl	0	D	31 - 114	

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-1-13'

Lab Sample ID: 720-22544-5

Date Sampled: 09/10/2009 0930

Client Matrix: Solid

Date Received: 09/15/2009 1200

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-57770	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-57706	Initial Weight/Volume:	30.18 g
Dilution:	2.0		Final Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 2227		Injection Volume:	1 uL
Date Prepared:	09/16/2009 1318		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		260		2.0
Surrogate		%Rec	Qualifier	Acceptance Limits
p-Terphenyl		67		31 - 114

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-1-17'

Lab Sample ID: 720-22544-6

Date Sampled: 09/10/2009 1020

Client Matrix: Solid

Date Received: 09/15/2009 1200

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-57851	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-57706	Initial Weight/Volume:	30.08 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	09/18/2009 1235		Injection Volume:	1 uL
Date Prepared:	09/16/2009 1318		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.4		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	74		31 - 114

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-5-7'

Lab Sample ID: 720-22544-7

Date Sampled: 09/10/2009 1635

Client Matrix: Solid

Date Received: 09/15/2009 1200

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-57770	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-57706	Initial Weight/Volume:	30.04 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 1353		Injection Volume:	1 uL
Date Prepared:	09/16/2009 1318		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.5		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	72		31 - 114

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-5-14'

Lab Sample ID: 720-22544-8

Client Matrix: Solid

Date Sampled: 09/10/2009 1645

Date Received: 09/15/2009 1200

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-57770	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-57706	Initial Weight/Volume:	30.12 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 1420		Injection Volume:	1 uL
Date Prepared:	09/16/2009 1318		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.0		1.0
Surrogate		%Rec	Qualifier	Acceptance Limits
p-Terphenyl		78		31 - 114

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-5-16'

Lab Sample ID: 720-22544-9

Date Sampled: 09/10/2009 1655

Client Matrix: Solid

Date Received: 09/15/2009 1200

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-57770	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-57706	Initial Weight/Volume:	30.18 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 1447		Injection Volume:	1 uL
Date Prepared:	09/16/2009 1318		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.2		0.99

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	75		31 - 114

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-8-6

Lab Sample ID: 720-22544-10

Date Sampled: 09/10/2009 1155

Client Matrix: Solid

Date Received: 09/15/2009 1200

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-57770	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-57706	Initial Weight/Volume:	30.10 g
Dilution:	5.0		Final Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 2321		Injection Volume:	1 uL
Date Prepared:	09/16/2009 1318		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		780		5.0
Surrogate	%Rec	Qualifier	Acceptance Limits	
p-Terphenyl	0	D	31 - 114	

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-8-9

Lab Sample ID: 720-22544-11

Date Sampled: 09/10/2009 1210

Client Matrix: Solid

Date Received: 09/15/2009 1200

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-57770	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-57706	Initial Weight/Volume:	30.11 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 1729		Injection Volume:	1 uL
Date Prepared:	09/16/2009 1318		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		96		1.0
Surrogate		%Rec	Qualifier	Acceptance Limits
p-Terphenyl		68		31 - 114

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-8-19

Lab Sample ID: 720-22544-12

Date Sampled: 09/10/2009 1230

Client Matrix: Solid

Date Received: 09/15/2009 1200

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-57851	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-57706	Initial Weight/Volume:	30.16 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	09/18/2009 1302		Injection Volume:	1 uL
Date Prepared:	09/16/2009 1318		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.8		0.99
Surrogate		%Rec	Qualifier	Acceptance Limits
p-Terphenyl		77		31 - 114

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-4-2

Lab Sample ID: 720-22544-13

Date Sampled: 09/10/2009 1515

Client Matrix: Solid

Date Received: 09/15/2009 1200

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-57770	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-57706	Initial Weight/Volume:	30.20 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	09/17/2009 1918		Injection Volume:	1 uL
Date Prepared:	09/16/2009 1318		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		9.5		0.99
Surrogate		%Rec	Qualifier	Acceptance Limits
p-Terphenyl		82		31 - 114

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-4-7

Lab Sample ID: 720-22544-14

Date Sampled: 09/10/2009 1517

Client Matrix: Solid

Date Received: 09/15/2009 1200

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-57851	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-57706	Initial Weight/Volume:	30.39 g
Dilution:	10		Final Weight/Volume:	5 mL
Date Analyzed:	09/18/2009 1114		Injection Volume:	1 uL
Date Prepared:	09/16/2009 1318		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		900		9.9
Surrogate	%Rec	Qualifier	Acceptance Limits	
p-Terphenyl	0	D	31 - 114	

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-4-13

Lab Sample ID: 720-22544-15

Date Sampled: 09/10/2009 1520

Client Matrix: Solid

Date Received: 09/15/2009 1200

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-57850	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-57706	Initial Weight/Volume:	30.30 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	09/18/2009 1302		Injection Volume:	1 uL
Date Prepared:	09/16/2009 1318		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Surrogate		%Rec	Qualifier	Acceptance Limits
p-Terphenyl		84		31 - 114

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Client Sample ID: SB-4-17

Lab Sample ID: 720-22544-16

Date Sampled: 09/10/2009 1530

Client Matrix: Solid

Date Received: 09/15/2009 1200

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-57850	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-57706	Initial Weight/Volume:	30.30 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	09/18/2009 1329		Injection Volume:	1 uL
Date Prepared:	09/16/2009 1318		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Surrogate		%Rec	Qualifier	Acceptance Limits
p-Terphenyl		86		31 - 114

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

General Chemistry

Client Sample ID: SB-1-5'

Lab Sample ID: 720-22544-4

Client Matrix: Solid

Date Sampled: 09/10/2009 0850

Date Received: 09/15/2009 1200

Analyte	Result	Qual	Units	RL	Dil	Method
SGT-HEM	1900		mg/Kg	100	1.0	9071B
	Analysis Batch: 720-57799	Date Analyzed: 09/17/2009 1224				DryWt Corrected: N
	Prep Batch: 720-57709	Date Prepared: 09/16/2009 1329				

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

General Chemistry

Client Sample ID: SB-1-13'

Lab Sample ID: 720-22544-5

Date Sampled: 09/10/2009 0930

Client Matrix: Solid

Date Received: 09/15/2009 1200

Analyte	Result	Qual	Units	RL	Dil	Method
SGT-HEM	770		mg/Kg	100	1.0	9071B
	Analysis Batch: 720-57799	Date Analyzed: 09/17/2009 1224				DryWt Corrected: N
	Prep Batch: 720-57709	Date Prepared: 09/16/2009 1329				

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

General Chemistry

Client Sample ID: SB-1-17'

Lab Sample ID: 720-22544-6

Client Matrix: Solid

Date Sampled: 09/10/2009 1020

Date Received: 09/15/2009 1200

Analyte	Result	Qual	Units	RL	Dil	Method
SGT-HEM	ND		mg/Kg	100	1.0	9071B
	Analysis Batch: 720-57799	Date Analyzed: 09/17/2009 1224				DryWt Corrected: N
	Prep Batch: 720-57709	Date Prepared: 09/16/2009 1329				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

General Chemistry

Client Sample ID: SB-5-7'

Lab Sample ID: 720-22544-7

Client Matrix: Solid

Date Sampled: 09/10/2009 1635

Date Received: 09/15/2009 1200

Analyte	Result	Qual	Units	RL	Dil	Method
SGT-HEM	ND		mg/Kg	100	1.0	9071B
	Analysis Batch: 720-57799	Date Analyzed: 09/17/2009 1224				DryWt Corrected: N
	Prep Batch: 720-57709	Date Prepared: 09/16/2009 1329				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

General Chemistry

Client Sample ID: SB-5-14'

Lab Sample ID: 720-22544-8

Client Matrix: Solid

Date Sampled: 09/10/2009 1645

Date Received: 09/15/2009 1200

Analyte	Result	Qual	Units	RL	Dil	Method
SGT-HEM	ND		mg/Kg	100	1.0	9071B
	Analysis Batch: 720-57799	Date Analyzed: 09/17/2009 1224				DryWt Corrected: N
	Prep Batch: 720-57709	Date Prepared: 09/16/2009 1329				

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

General Chemistry

Client Sample ID: SB-5-16'

Lab Sample ID: 720-22544-9

Client Matrix: Solid

Date Sampled: 09/10/2009 1655

Date Received: 09/15/2009 1200

Analyte	Result	Qual	Units	RL	Dil	Method
SGT-HEM	ND		mg/Kg	100	1.0	9071B
	Analysis Batch: 720-57799	Date Analyzed: 09/17/2009 1224				DryWt Corrected: N
	Prep Batch: 720-57709	Date Prepared: 09/16/2009 1329				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

General Chemistry

Client Sample ID: SB-8-6

Lab Sample ID: 720-22544-10

Client Matrix: Solid

Date Sampled: 09/10/2009 1155

Date Received: 09/15/2009 1200

Analyte	Result	Qual	Units	RL	Dil	Method
SGT-HEM	2200		mg/Kg	100	1.0	9071B
	Analysis Batch: 720-57799	Date Analyzed: 09/17/2009 1224				DryWt Corrected: N
	Prep Batch: 720-57709	Date Prepared: 09/16/2009 1329				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

General Chemistry

Client Sample ID: SB-8-9

Lab Sample ID: 720-22544-11

Client Matrix: Solid

Date Sampled: 09/10/2009 1210

Date Received: 09/15/2009 1200

Analyte	Result	Qual	Units	RL	Dil	Method
SGT-HEM	380		mg/Kg	100	1.0	9071B
	Analysis Batch: 720-57799	Date Analyzed: 09/17/2009 1224				DryWt Corrected: N
	Prep Batch: 720-57709	Date Prepared: 09/16/2009 1329				

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

General Chemistry

Client Sample ID: SB-8-19

Lab Sample ID: 720-22544-12

Date Sampled: 09/10/2009 1230

Client Matrix: Solid

Date Received: 09/15/2009 1200

Analyte	Result	Qual	Units	RL	Dil	Method
SGT-HEM	ND		mg/Kg	100	1.0	9071B
	Analysis Batch: 720-57799	Date Analyzed: 09/17/2009 1224				DryWt Corrected: N
	Prep Batch: 720-57709	Date Prepared: 09/16/2009 1329				

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

General Chemistry

Client Sample ID: SB-4-2

Lab Sample ID: 720-22544-13

Date Sampled: 09/10/2009 1515

Client Matrix: Solid

Date Received: 09/15/2009 1200

Analyte	Result	Qual	Units	RL	Dil	Method
SGT-HEM	ND		mg/Kg	100	1.0	9071B
	Analysis Batch: 720-57799	Date Analyzed: 09/17/2009 1224				DryWt Corrected: N
	Prep Batch: 720-57709	Date Prepared: 09/16/2009 1329				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

General Chemistry

Client Sample ID: SB-4-7

Lab Sample ID: 720-22544-14

Client Matrix: Solid

Date Sampled: 09/10/2009 1517

Date Received: 09/15/2009 1200

Analyte	Result	Qual	Units	RL	Dil	Method
SGT-HEM	2600		mg/Kg	100	1.0	9071B
	Analysis Batch: 720-57799	Date Analyzed: 09/17/2009 1224				DryWt Corrected: N
	Prep Batch: 720-57709	Date Prepared: 09/16/2009 1329				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

General Chemistry

Client Sample ID: SB-4-13

Lab Sample ID: 720-22544-15

Client Matrix: Solid

Date Sampled: 09/10/2009 1520

Date Received: 09/15/2009 1200

Analyte	Result	Qual	Units	RL	Dil	Method
SGT-HEM	ND		mg/Kg	100	1.0	9071B
	Analysis Batch: 720-57799	Date Analyzed: 09/17/2009 1224				DryWt Corrected: N
	Prep Batch: 720-57709	Date Prepared: 09/16/2009 1329				

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

General Chemistry

Client Sample ID: SB-4-17

Lab Sample ID: 720-22544-16

Client Matrix: Solid

Date Sampled: 09/10/2009 1530

Date Received: 09/15/2009 1200

Analyte	Result	Qual	Units	RL	Dil	Method
SGT-HEM	ND		mg/Kg	100	1.0	9071B
	Analysis Batch: 720-57799	Date Analyzed: 09/17/2009 1224				DryWt Corrected: N
	Prep Batch: 720-57709	Date Prepared: 09/16/2009 1329				

DATA REPORTING QUALIFIERS

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Lab Section	Qualifier	Description
GC/MS VOA	X	Surrogate exceeds the control limits
GC Semi VOA	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
General Chemistry	F	MS or MSD exceeds the control limits

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-57704					
LCS 720-57767/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-57767
LCS 720-57767/4-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-57767
LCSD 720-57767/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-57767
LCSD 720-57767/5-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-57767
MB 720-57767/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-57767
720-22544-5	SB-1-13'	T	Solid	8260B/CA_LUFT	720-57767
720-22544-6	SB-1-17'	T	Solid	8260B/CA_LUFT	720-57767
720-22544-8	SB-5-14'	T	Solid	8260B/CA_LUFT	720-57767
720-22544-8MS	Matrix Spike	T	Solid	8260B/CA_LUFT	720-57767
720-22544-8MSD	Matrix Spike Duplicate	T	Solid	8260B/CA_LUFT	720-57767
Analysis Batch:720-57740					
LCS 720-57808/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-57808
LCS 720-57808/4-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-57808
LCSD 720-57808/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-57808
LCSD 720-57808/5-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-57808
MB 720-57808/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-57808
720-22544-7	SB-5-7'	T	Solid	8260B/CA_LUFT	720-57808
720-22544-9	SB-5-16'	T	Solid	8260B/CA_LUFT	720-57808
720-22544-9MS	Matrix Spike	T	Solid	8260B/CA_LUFT	720-57808
720-22544-9MSD	Matrix Spike Duplicate	T	Solid	8260B/CA_LUFT	720-57808
720-22544-12	SB-8-19	T	Solid	8260B/CA_LUFT	720-57808
720-22544-13	SB-4-2	T	Solid	8260B/CA_LUFT	720-57808
720-22544-14	SB-4-7	T	Solid	8260B/CA_LUFT	720-57808
720-22544-15	SB-4-13	T	Solid	8260B/CA_LUFT	720-57808
720-22544-16	SB-4-17	T	Solid	8260B/CA_LUFT	720-57808
Analysis Batch:720-57764					
LCS 720-57805/1-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-57805
LCS 720-57805/4-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-57805
LCSD 720-57805/2-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-57805
LCSD 720-57805/5-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-57805
MB 720-57805/3-A	Method Blank	T	Solid	8260B/CA_LUFT	720-57805
720-22544-4	SB-1-5'	T	Solid	8260B/CA_LUFT	720-57805

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS VOA					
Prep Batch: 720-57767					
LCS 720-57767/2-A	Lab Control Sample	T	Solid	5030B	
LCS 720-57767/4-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-57767/3-A	Lab Control Sample Duplicate	T	Solid	5030B	
LCSD 720-57767/5-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-57767/1-A	Method Blank	T	Solid	5030B	
720-22544-5	SB-1-13'	T	Solid	5030B	
720-22544-6	SB-1-17'	T	Solid	5030B	
720-22544-8	SB-5-14'	T	Solid	5030B	
720-22544-8MS	Matrix Spike	T	Solid	5030B	
720-22544-8MSD	Matrix Spike Duplicate	T	Solid	5030B	
Prep Batch: 720-57805					
LCS 720-57805/1-A	Lab Control Sample	T	Solid	5030B	
LCS 720-57805/4-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-57805/2-A	Lab Control Sample Duplicate	T	Solid	5030B	
LCSD 720-57805/5-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-57805/3-A	Method Blank	T	Solid	5030B	
720-22544-4	SB-1-5'	T	Solid	5030B	
Prep Batch: 720-57808					
LCS 720-57808/2-A	Lab Control Sample	T	Solid	5030B	
LCS 720-57808/4-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-57808/3-A	Lab Control Sample Duplicate	T	Solid	5030B	
LCSD 720-57808/5-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-57808/1-A	Method Blank	T	Solid	5030B	
720-22544-7	SB-5-7'	T	Solid	5030B	
720-22544-9	SB-5-16'	T	Solid	5030B	
720-22544-9MS	Matrix Spike	T	Solid	5030B	
720-22544-9MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-22544-12	SB-8-19	T	Solid	5030B	
720-22544-13	SB-4-2	T	Solid	5030B	
720-22544-14	SB-4-7	T	Solid	5030B	
720-22544-15	SB-4-13	T	Solid	5030B	
720-22544-16	SB-4-17	T	Solid	5030B	
Analysis Batch:720-57837					
LCS 720-57869/1-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-57869
LCS 720-57869/4-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-57869
LCSD 720-57869/2-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-57869
LCSD 720-57869/5-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-57869
MB 720-57869/3-A	Method Blank	T	Solid	8260B/CA_LUFT	720-57869
720-22544-10	SB-8-6	T	Solid	8260B/CA_LUFT	720-57869
720-22544-11	SB-8-9	T	Solid	8260B/CA_LUFT	720-57869

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-57869					
LCS 720-57869/1-A	Lab Control Sample	T	Solid	5030B	
LCS 720-57869/4-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-57869/2-A	Lab Control Sample Duplicate	T	Solid	5030B	
LCSD 720-57869/5-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-57869/3-A	Method Blank	T	Solid	5030B	
720-22544-10	SB-8-6	T	Solid	5030B	
720-22544-11	SB-8-9	T	Solid	5030B	

Report Basis

T = Total

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-57706					
LCS 720-57706/2-A	Lab Control Sample	T	Solid	3550B	
LCSD 720-57706/3-A	Lab Control Sample Duplicate	T	Solid	3550B	
MB 720-57706/1-A	Method Blank	T	Solid	3550B	
720-22544-4	SB-1-5'	T	Solid	3550B	
720-22544-5	SB-1-13'	T	Solid	3550B	
720-22544-6	SB-1-17'	T	Solid	3550B	
720-22544-7	SB-5-7'	T	Solid	3550B	
720-22544-8	SB-5-14'	T	Solid	3550B	
720-22544-9	SB-5-16'	T	Solid	3550B	
720-22544-10	SB-8-6	T	Solid	3550B	
720-22544-11	SB-8-9	T	Solid	3550B	
720-22544-11MS	Matrix Spike	T	Solid	3550B	
720-22544-11MSD	Matrix Spike Duplicate	T	Solid	3550B	
720-22544-12	SB-8-19	T	Solid	3550B	
720-22544-13	SB-4-2	T	Solid	3550B	
720-22544-14	SB-4-7	T	Solid	3550B	
720-22544-15	SB-4-13	T	Solid	3550B	
720-22544-16	SB-4-17	T	Solid	3550B	
Analysis Batch:720-57770					
LCS 720-57706/2-A	Lab Control Sample	T	Solid	8015B	720-57706
LCSD 720-57706/3-A	Lab Control Sample Duplicate	T	Solid	8015B	720-57706
MB 720-57706/1-A	Method Blank	T	Solid	8015B	720-57706
720-22544-4	SB-1-5'	T	Solid	8015B	720-57706
720-22544-5	SB-1-13'	T	Solid	8015B	720-57706
720-22544-7	SB-5-7'	T	Solid	8015B	720-57706
720-22544-8	SB-5-14'	T	Solid	8015B	720-57706
720-22544-9	SB-5-16'	T	Solid	8015B	720-57706
720-22544-10	SB-8-6	T	Solid	8015B	720-57706
720-22544-11	SB-8-9	T	Solid	8015B	720-57706
720-22544-11MS	Matrix Spike	T	Solid	8015B	720-57706
720-22544-11MSD	Matrix Spike Duplicate	T	Solid	8015B	720-57706
720-22544-13	SB-4-2	T	Solid	8015B	720-57706
Analysis Batch:720-57850					
720-22544-15	SB-4-13	T	Solid	8015B	720-57706
720-22544-16	SB-4-17	T	Solid	8015B	720-57706
Analysis Batch:720-57851					
720-22544-6	SB-1-17'	T	Solid	8015B	720-57706
720-22544-12	SB-8-19	T	Solid	8015B	720-57706
720-22544-14	SB-4-7	T	Solid	8015B	720-57706

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
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Report Basis

T = Total

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 720-57709					
LCS 720-57709/2-A	Lab Control Sample	T	Solid	9071B	
LCSD 720-57709/3-A	Lab Control Sample Duplicate	T	Solid	9071B	
MB 720-57709/1-A	Method Blank	T	Solid	9071B	
720-22544-4	SB-1-5'	T	Solid	9071B	
720-22544-5	SB-1-13'	T	Solid	9071B	
720-22544-6	SB-1-17'	T	Solid	9071B	
720-22544-7	SB-5-7'	T	Solid	9071B	
720-22544-8	SB-5-14'	T	Solid	9071B	
720-22544-9	SB-5-16'	T	Solid	9071B	
720-22544-10	SB-8-6	T	Solid	9071B	
720-22544-11	SB-8-9	T	Solid	9071B	
720-22544-11MS	Matrix Spike	T	Solid	9071B	
720-22544-11MSD	Matrix Spike Duplicate	T	Solid	9071B	
720-22544-12	SB-8-19	T	Solid	9071B	
720-22544-13	SB-4-2	T	Solid	9071B	
720-22544-14	SB-4-7	T	Solid	9071B	
720-22544-15	SB-4-13	T	Solid	9071B	
720-22544-16	SB-4-17	T	Solid	9071B	
Analysis Batch:720-57799					
LCS 720-57709/2-A	Lab Control Sample	T	Solid	9071B	720-57709
LCSD 720-57709/3-A	Lab Control Sample Duplicate	T	Solid	9071B	720-57709
MB 720-57709/1-A	Method Blank	T	Solid	9071B	720-57709
720-22544-4	SB-1-5'	T	Solid	9071B	720-57709
720-22544-5	SB-1-13'	T	Solid	9071B	720-57709
720-22544-6	SB-1-17'	T	Solid	9071B	720-57709
720-22544-7	SB-5-7'	T	Solid	9071B	720-57709
720-22544-8	SB-5-14'	T	Solid	9071B	720-57709
720-22544-9	SB-5-16'	T	Solid	9071B	720-57709
720-22544-10	SB-8-6	T	Solid	9071B	720-57709
720-22544-11	SB-8-9	T	Solid	9071B	720-57709
720-22544-11MS	Matrix Spike	T	Solid	9071B	720-57709
720-22544-11MSD	Matrix Spike Duplicate	T	Solid	9071B	720-57709
720-22544-12	SB-8-19	T	Solid	9071B	720-57709
720-22544-13	SB-4-2	T	Solid	9071B	720-57709
720-22544-14	SB-4-7	T	Solid	9071B	720-57709
720-22544-15	SB-4-13	T	Solid	9071B	720-57709
720-22544-16	SB-4-17	T	Solid	9071B	720-57709

Report Basis

T = Total

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Method Blank - Batch: 720-57767

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-57767/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1728
Date Prepared: 09/16/2009 0759

Analysis Batch: 720-57704
Prep Batch: 720-57767
Units: ug/Kg

Instrument ID: Agilent 5973
Lab File ID: 09160915.D
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Benzene	ND		5.0
Ethylbenzene	ND		5.0
Toluene	ND		5.0
Xylenes, Total	ND		10
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	81	52 - 130
1,2-Dichloroethane-d4 (Surr)	96	67 - 130
Toluene-d8 (Surr)	99	58 - 130

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-57767**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-57767/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1524
Date Prepared: 09/16/2009 0759

Analysis Batch: 720-57704
Prep Batch: 720-57767
Units: ug/Kg

Instrument ID: Agilent 5973
Lab File ID: 09160911.D
Initial Weight/Volume:
Final Weight/Volume:

LCSD Lab Sample ID: LCSD 720-57767/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1555
Date Prepared: 09/16/2009 0759

Analysis Batch: 720-57704
Prep Batch: 720-57767
Units: ug/Kg

Instrument ID: Agilent 5973
Lab File ID: 09160912.D
Initial Weight/Volume:
Final Weight/Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Methyl tert-butyl ether	102	104	69 - 125	2	20		
Benzene	108	117	72 - 120	8	20		
Ethylbenzene	111	120	65 - 130	7	20		
Toluene	109	117	72 - 120	7	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	100		98		52 - 130		
1,2-Dichloroethane-d4 (Surr)	94		96		67 - 130		
Toluene-d8 (Surr)	103		105		58 - 130		

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-57767**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-57767/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1626
Date Prepared: 09/16/2009 0759

Analysis Batch: 720-57704
Prep Batch: 720-57767
Units: ug/Kg

Instrument ID: Agilent 5973
Lab File ID: 09160913.D
Initial Weight/Volume:
Final Weight/Volume:

LCSD Lab Sample ID: LCSD 720-57767/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1657
Date Prepared: 09/16/2009 0759

Analysis Batch: 720-57704
Prep Batch: 720-57767
Units: ug/Kg

Instrument ID: Agilent 5973
Lab File ID: 09160914.D
Initial Weight/Volume:
Final Weight/Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	93	98	70 - 130	5	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	99		98		52 - 130		
1,2-Dichloroethane-d4 (Surr)	95		95		67 - 130		
Toluene-d8 (Surr)	106		106		58 - 130		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	103		103		52 - 130		
1,2-Dichloroethane-d4 (Surr)	90		96		67 - 130		
Toluene-d8 (Surr)	104		104		58 - 130		

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Method Blank - Batch: 720-57805

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: MB 720-57805/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 1138
Date Prepared: 09/17/2009 0800

Analysis Batch: 720-57764
Prep Batch: 720-57805
Units: ug/Kg

Instrument ID: Agilent 5973
Lab File ID: 09170908.D
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Benzene	ND		5.0
Ethylbenzene	ND		5.0
Toluene	ND		5.0
Xylenes, Total	ND		10
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	82	52 - 130
1,2-Dichloroethane-d4 (Surr)	95	67 - 132
Toluene-d8 (Surr)	99	58 - 130

Lab Control Sample - Batch: 720-57805

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: LCS 720-57805/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 1036
Date Prepared: 09/17/2009 0800

Analysis Batch: 720-57764
Prep Batch: 720-57805
Units: ug/Kg

Instrument ID: Agilent 5973
Lab File ID: 09170906.D
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Gasoline Range Organics (GRO)-C5-C12	1000	883	88	70 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	99	52 - 130
1,2-Dichloroethane-d4 (Surr)	98	67 - 132
Toluene-d8 (Surr)	105	58 - 130

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-57805**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-57805/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 0934
Date Prepared: 09/17/2009 0800

Analysis Batch: 720-57764
Prep Batch: 720-57805
Units: ug/Kg

Instrument ID: Agilent 5973
Lab File ID: 09170904.D
Initial Weight/Volume:
Final Weight/Volume:

LCSD Lab Sample ID: LCSD 720-57805/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 1005
Date Prepared: 09/17/2009 0800

Analysis Batch: 720-57764
Prep Batch: 720-57805
Units: ug/Kg

Instrument ID: Agilent 5973
Lab File ID: 09170905.D
Initial Weight/Volume:
Final Weight/Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Methyl tert-butyl ether	94	96	69 - 125	NaN	20		
Benzene	106	108	72 - 120	NaN	20		
Ethylbenzene	111	114	65 - 130	NaN	20		
Toluene	107	110	72 - 120	NaN	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	101		101		52 - 130		
4-Bromofluorobenzene	101		98		52 - 130		
1,2-Dichloroethane-d4 (Surr)	94		93		67 - 132		
1,2-Dichloroethane-d4 (Surr)	94		97		67 - 132		
Toluene-d8 (Surr)	103		104		58 - 130		
Toluene-d8 (Surr)	103		105		58 - 130		

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Method Blank - Batch: 720-57808

Lab Sample ID: MB 720-57808/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 2021
Date Prepared: 09/16/2009 1600

Analysis Batch: 720-57740
Prep Batch: 720-57808
Units: ug/Kg

Method: 8260B/CA_LUFTMS Preparation: 5030B

Instrument ID: Agilent 75MSD
Lab File ID: 09160908.D
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Benzene	ND		5.0
Ethylbenzene	ND		5.0
Toluene	ND		5.0
Xylenes, Total	ND		10
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	95	52 - 130
1,2-Dichloroethane-d4 (Surr)	124	67 - 130
Toluene-d8 (Surr)	103	58 - 130

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-57808**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-57808/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1813
Date Prepared: 09/16/2009 1600

Analysis Batch: 720-57740
Prep Batch: 720-57808
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 09160904.D
Initial Weight/Volume:
Final Weight/Volume:

LCSD Lab Sample ID: LCSD 720-57808/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1845
Date Prepared: 09/16/2009 1600

Analysis Batch: 720-57740
Prep Batch: 720-57808
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 09160905.D
Initial Weight/Volume:
Final Weight/Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Methyl tert-butyl ether	116	106	69 - 125	9	20		
Benzene	99	98	72 - 120	1	20		
Ethylbenzene	106	105	65 - 130	1	20		
Toluene	99	98	72 - 120	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	101		100		52 - 130		
1,2-Dichloroethane-d4 (Surr)	114		111		67 - 130		
Toluene-d8 (Surr)	101		101		58 - 130		

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-57808**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-57808/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1917
Date Prepared: 09/16/2009 1600

Analysis Batch: 720-57740
Prep Batch: 720-57808
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 09160906.D
Initial Weight/Volume:
Final Weight/Volume:

LCSD Lab Sample ID: LCSD 720-57808/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1949
Date Prepared: 09/16/2009 1600

Analysis Batch: 720-57740
Prep Batch: 720-57808
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 09160907.D
Initial Weight/Volume:
Final Weight/Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	99	96	70 - 130	3	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	101		101			52 - 130	
1,2-Dichloroethane-d4 (Surr)	121		119			67 - 130	
Toluene-d8 (Surr)	104		104			58 - 130	

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-57808**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

MS Lab Sample ID: 720-22544-9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 2157
Date Prepared: 09/16/2009 1600

Analysis Batch: 720-57740
Prep Batch: 720-57808

Instrument ID: Agilent 75MSD
Lab File ID: 09160911.D
Initial Weight/Volume:
Final Weight/Volume:

MSD Lab Sample ID: 720-22544-9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 2229
Date Prepared: 09/16/2009 1600

Analysis Batch: 720-57740
Prep Batch: 720-57808

Instrument ID: Agilent 75MSD
Lab File ID: 09160912.D
Initial Weight/Volume:
Final Weight/Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Methyl tert-butyl ether	104	107	70 - 130	1	20		
Benzene	97	98	70 - 130	0	20		
Ethylbenzene	106	106	70 - 130	1	20		
Toluene	100	101	70 - 130	1	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	102		102		52 - 130		
1,2-Dichloroethane-d4 (Surr)	115		112		67 - 130		
Toluene-d8 (Surr)	102		102		58 - 130		

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Method Blank - Batch: 720-57869

Lab Sample ID: MB 720-57869/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 2323
Date Prepared: 09/17/2009 0800

Analysis Batch: 720-57837
Prep Batch: 720-57869
Units: ug/Kg

Method: 8260B/CA_LUFTMS Preparation: 5030B

Instrument ID: Agilent 5973
Lab File ID: 09170931.D
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Benzene	ND		5.0
Ethylbenzene	ND		5.0
Toluene	ND		5.0
Xylenes, Total	ND		10
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	86	52 - 130
1,2-Dichloroethane-d4 (Surr)	102	67 - 132
Toluene-d8 (Surr)	99	58 - 130

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-57869**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-57869/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 2119
Date Prepared: 09/17/2009 0800

Analysis Batch: 720-57837
Prep Batch: 720-57869
Units: ug/Kg

Instrument ID: Agilent 5973
Lab File ID: 09170927.D
Initial Weight/Volume:
Final Weight/Volume:

LCSD Lab Sample ID: LCSD 720-57869/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 2151
Date Prepared: 09/17/2009 0800

Analysis Batch: 720-57837
Prep Batch: 720-57869
Units: ug/Kg

Instrument ID: Agilent 5973
Lab File ID: 09170928.D
Initial Weight/Volume:
Final Weight/Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Methyl tert-butyl ether	101	97	69 - 125	4	20		
Benzene	108	109	72 - 120	1	20		
Ethylbenzene	112	112	65 - 130	0	20		
Toluene	109	108	72 - 120	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	103		101		52 - 130		
1,2-Dichloroethane-d4 (Surr)	96		95		67 - 132		
Toluene-d8 (Surr)	104		105		58 - 130		

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-57869**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-57869/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 2222
Date Prepared: 09/17/2009 0800

Analysis Batch: 720-57837
Prep Batch: 720-57869
Units: ug/Kg

Instrument ID: Agilent 5973
Lab File ID: 09170929.D
Initial Weight/Volume:
Final Weight/Volume:

LCSD Lab Sample ID: LCSD 720-57869/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 2253
Date Prepared: 09/17/2009 0800

Analysis Batch: 720-57837
Prep Batch: 720-57869
Units: ug/Kg

Instrument ID: Agilent 5973
Lab File ID: 09170930.D
Initial Weight/Volume:
Final Weight/Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	97	95	70 - 130	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	102		101			52 - 130	
1,2-Dichloroethane-d4 (Surr)	99		100			67 - 132	
Toluene-d8 (Surr)	107		105			58 - 130	

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Method Blank - Batch: 720-57706

**Method: 8015B
Preparation: 3550B**

Lab Sample ID: MB 720-57706/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 1112
Date Prepared: 09/16/2009 1318

Analysis Batch: 720-57770
Prep Batch: 720-57706
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: 5b0917009.d
Initial Weight/Volume: 30.13 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	78	31 - 114

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-57706**

**Method: 8015B
Preparation: 3550B**

LCS Lab Sample ID: LCS 720-57706/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 1019
Date Prepared: 09/16/2009 1318

Analysis Batch: 720-57770
Prep Batch: 720-57706
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: 5b0917007.d
Initial Weight/Volume: 30.05 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-57706/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 1046
Date Prepared: 09/16/2009 1318

Analysis Batch: 720-57770
Prep Batch: 720-57706
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: 5b0917008.d
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	77	74	49 - 115	4	35		
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
p-Terphenyl	81		77	31 - 114			

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-57706**

**Method: 8015B
Preparation: 3550B**

MS Lab Sample ID: 720-22544-11
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 1757
Date Prepared: 09/16/2009 1318

Analysis Batch: 720-57770
Prep Batch: 720-57706

Instrument ID: HP DRO5
Lab File ID: 5b0917024.d
Initial Weight/Volume: 30.08 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 720-22544-11
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 1824
Date Prepared: 09/16/2009 1318

Analysis Batch: 720-57770
Prep Batch: 720-57706

Instrument ID: HP DRO5
Lab File ID: 5b0917025.d
Initial Weight/Volume: 30.02 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Diesel Range Organics [C10-C28]	101	94	50 - 130	5	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
p-Terphenyl		69	68			31 - 114	

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Method Blank - Batch: 720-57709

Lab Sample ID: MB 720-57709/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 09/17/2009 1224
 Date Prepared: 09/16/2009 1329

Analysis Batch: 720-57799
 Prep Batch: 720-57709
 Units: mg/Kg

**Method: 9071B
 Preparation: 9071B**

Instrument ID: No Equipment Assigned
 Lab File ID: N/A
 Initial Weight/Volume: 10.01 g
 Final Weight/Volume: 10.01 mL

Analyte	Result	Qual	RL
SGT-HEM	ND		100

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 720-57709**

LCS Lab Sample ID: LCS 720-57709/2-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 09/17/2009 1224
 Date Prepared: 09/16/2009 1329

Analysis Batch: 720-57799
 Prep Batch: 720-57709
 Units: mg/Kg

**Method: 9071B
 Preparation: 9071B**

Instrument ID: No Equipment Assigned
 Lab File ID: N/A
 Initial Weight/Volume: 10.05 g
 Final Weight/Volume: 10.05 mL

LCSD Lab Sample ID: LCSD 720-57709/3-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 09/17/2009 1224
 Date Prepared: 09/16/2009 1329

Analysis Batch: 720-57799
 Prep Batch: 720-57709
 Units: mg/Kg

Instrument ID: No Equipment Assigned
 Lab File ID: N/A
 Initial Weight/Volume: 10.04 g
 Final Weight/Volume: 10.04 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
SGT-HEM	95	83	66 - 120	14	24		

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

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 720-57709

Method: 9071B

Preparation: 9071B

MS Lab Sample ID: 720-22544-11
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 1224
Date Prepared: 09/16/2009 1329

Analysis Batch: 720-57799
Prep Batch: 720-57709

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.06 g
Final Weight/Volume: 10.06 mL

MSD Lab Sample ID: 720-22544-11
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 1224
Date Prepared: 09/16/2009 1329

Analysis Batch: 720-57799
Prep Batch: 720-57709

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.08 g
Final Weight/Volume: 10.08 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
SGT-HEM	137	130	66 - 120	3	20	F	F

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

CHAIN OF CUSTODY RECORD

JDE NO. 3862

119011

720-22544



TestAmerica
2860 Foster Creighton Dr
Nashville, TN 37204

Phone: 615-301-5045

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

State in which sampling occurred _____
Compliance Monitoring? Yes No
Enforcement Action? Yes No

Client Name: Stantec

Address: 1505 Corporate Woods Parkway Suite 800

City/State/Zip: Uniontown, Ohio 44685

Project Manager: Dennis Middleton email: dennis.middleton@stantec.com

Telephone Number: 330-896-9228

Fax No.: 330-986-9232

Report To: Dennis Middleton Sta 1505 Corporate Woods Pkwy Uniontown, Oh 44685

Invoice To: Matthew McClellan P.O. Box 655 Akron, OH 44138-0001

Invoice email: matthew.mcclellan@goodyear.com

Sampler Name: (Print) Michael Berwald

Territory ID: Goodyear DEX #9578

Sampler Signature: _____

Project No & ID: 185702115.200.0001

PO & Quote Number: _____

Sample ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative										Analyze For:	REMARKS							
							HNO ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Soil	Other (Specify)			8015 - TPH-DRO (C10 to C28)	8015 - TPH-GRO (C8 to C10)	8071/1664 - TRPH	8280B - BTEX	6010-MTBE	8062 - PCBs	8280B - VOCs
SB-1-GW	9/10/09	1045	4	X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	EDF Required
SB-4-GW		1600	4																						
SB-5-GW		1715	4																						
SB-1-5'		850	1	X					X	X															
SB-1-13'		930																							
SB-1-17'		1020																							
SB-5-7'		1635																							
SB-5-14'		1645																							
SB-5-16'		1655																							

RUSH

Special Instructions: A copy of the chain of custody must accompany each invoice to Goodyear for payment !!!

EDF Required - Global ID TO800101801

SEND ANALYTICAL REPORTS TO alicia.felt@stantec.com

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

Relinquished by: <i>[Signature]</i>	Date: 9/11/09	Time: 357	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by TestAmerica: Joan Koller	Date: 9-15-09	Time: 1200

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

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CHAIN OF CUSTODY RECORD

JDE NO. 3862

119011

720-22544



TestAmerica
2980 Foster Creighton Dr
Nashville, TN 37204

Phone: 615-301-3045

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

State in which sampling occurred _____
Compliance Monitoring? Yes No
Enforcement Action? Yes No

Client Name: Stantec

Address: 1505 Corporate Woods Parkway Suite 600

City/State/Zip: Uniontown, Ohio 44685

Project Manager: Dennis Middleton email: dennis.middleton@stantec.com

Telephone Number: 330-896-9226 Fax No.: 330-896-9232

Sampler Name: (Print) Michael Berwald

Sampler Signature: _____

PO & Quote Number: _____

Report To: Dennis Middleton Sta 1505 Corporate Woods Pkwy Uniontown, Oh 44685

Invoice To: Matthew McClellan P.O. Box 888, Akron, OH 44136-0001

Invoice email: matthew.mcclellan@goodyear.com

Territory ID: Goodyear DEX #9578

Project No & ID: 185702115.200.0001

Sample ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative										Matrix										Analyze For:										REMARKS
							HNO ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Phosph (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Soil	Other (specify)	8015 - TPH-DRO (C10 to C28)	8016 - TPH-GRO (C6 to C10)	80714/694 - TRPH	82608 - BTEX	8010-MTBE	8082 - PCBs	8260B - VOCs	8010-CAM 17 METALS	RUSH TAT (Pre-Schedule)	RUSH (72-Hour)	Standard TAT-10 Business Day	Fax Results	TestAmerica QC Level 2	Electronic Deliverables							
SB-8-6	9/10/09	1155	1	X													X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	EDF Required			
SB-8-9		1210																																			
SB-8-19		1230																																			
SB-4-2		1515																																			
SB-4-7		1517																																			
SB-4-13		1520																																			
SB-4-17		1530																																			

RUSH

Special Instructions: A copy of the chain of custody must accompany each invoice to Goodyear for payment !!!
EDF Required - Globale ID TOR00101801

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

Relinquished by: <i>Carl</i>	Date: 9/11/09	Time: 357	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by Test/America: <i>Joan Mulken</i>	Date: 9-15-09	Time: 1200

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

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Login Sample Receipt Check List

Client: Stantec Consulting Corp.

Job Number: 720-22544-1

Login Number: 22544

Creator: Mullen, Joan

List Number: 1

List Source: TestAmerica San Francisco

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

September 22, 2009 1:54:54PM

Client: SECOR International Inc. - Goodyear (3862)
1505 Corporate Woods Parkway #600
Uniontown, OH 44685
Attn: Dennis Middleton

Work Order: NSI1009
Project Name: Goodyear Retail Facilities - CA
Project Nbr: 185702115.200.0001 / Goodyear DEX #9578
P/O Nbr: C4121
Date Received: 09/12/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
SB-1-GW	NSI1009-01	09/10/09 10:45
SB-4-GW	NSI1009-02	09/10/09 16:00
SB-5-GW	NSI1009-03	09/10/09 17:15

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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Additional Laboratory Comments: ** Revised Report - 09/22/09 **

1664 analysis reported to the MDL per client request. This report replaces the final report generated on 09/17/09 at 15:52.

California Certification Number: 01168CA

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Andy Johnson

Operations Manager

Client SECOR International Inc. - Goodyear (3862)
1505 Corporate Woods Parkway #600
Uniontown, OH 44685
Attn Dennis Middleton

Work Order: NSI1009
Project Name: Goodyear Retail Facilities - CA
Project Number: 185702115.200.0001 / Goodyear DEX #9578
Received: 09/12/09 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSI1009-01 (SB-1-GW - Ground Water) Sampled: 09/10/09 10:45									
General Chemistry Parameters									
Oil & Grease HEM	4.40	P, J	mg/L	1.60	10.0	1	09/17/09 08:12	EPA 1664A	9092264

Client SECOR International Inc. - Goodyear (3862)
 1505 Corporate Woods Parkway #600
 Uniontown, OH 44685
 Attn Dennis Middleton

Work Order: NSI1009
 Project Name: Goodyear Retail Facilities - CA
 Project Number: 185702115.200.0001 / Goodyear DEX #9578
 Received: 09/12/09 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSI1009-01 (SB-1-GW - Ground Water) - cont. Sampled: 09/10/09 10:45								
Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		ug/L	0.500	1	09/17/09 00:56	SW846 8260B	9091305
Ethylbenzene	ND		ug/L	0.500	1	09/17/09 00:56	SW846 8260B	9091305
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	09/17/09 00:56	SW846 8260B	9091305
Toluene	ND		ug/L	0.500	1	09/17/09 00:56	SW846 8260B	9091305
Xylenes, total	ND		ug/L	0.500	1	09/17/09 00:56	SW846 8260B	9091305
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>102 %</i>					<i>09/17/09 00:56</i>	<i>SW846 8260B</i>	<i>9091305</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>98 %</i>					<i>09/17/09 00:56</i>	<i>SW846 8260B</i>	<i>9091305</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>99 %</i>					<i>09/17/09 00:56</i>	<i>SW846 8260B</i>	<i>9091305</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>104 %</i>					<i>09/17/09 00:56</i>	<i>SW846 8260B</i>	<i>9091305</i>
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	09/17/09 01:17	SW846 8015B	9092293
<i>Surr: a,a,a-Trifluorotoluene (40-150%)</i>	<i>110 %</i>					<i>09/17/09 01:17</i>	<i>SW846 8015B</i>	<i>9092293</i>
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	125	P	ug/L	100	1	09/17/09 03:22	SW846 8015B	9092178
<i>Surr: o-Terphenyl (27-150%)</i>	<i>95 %</i>					<i>09/17/09 03:22</i>	<i>SW846 8015B</i>	<i>9092178</i>

Client SECOR International Inc. - Goodyear (3862)
1505 Corporate Woods Parkway #600
Uniontown, OH 44685
Attn Dennis Middleton

Work Order: NSI1009
Project Name: Goodyear Retail Facilities - CA
Project Number: 185702115.200.0001 / Goodyear DEX #9578
Received: 09/12/09 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSI1009-02 (SB-4-GW - Ground Water) Sampled: 09/10/09 16:00									
General Chemistry Parameters									
Oil & Grease HEM	ND	P	mg/L	16.0	100	1	09/17/09 08:12	EPA 1664A	9092264

Client SECOR International Inc. - Goodyear (3862)
 1505 Corporate Woods Parkway #600
 Uniontown, OH 44685
 Attn Dennis Middleton

Work Order: NSI1009
 Project Name: Goodyear Retail Facilities - CA
 Project Number: 185702115.200.0001 / Goodyear DEX #9578
 Received: 09/12/09 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSI1009-02 (SB-4-GW - Ground Water) - cont. Sampled: 09/10/09 16:00								
Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		ug/L	0.500	1	09/17/09 01:23	SW846 8260B	9091305
Ethylbenzene	ND		ug/L	0.500	1	09/17/09 01:23	SW846 8260B	9091305
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	09/17/09 01:23	SW846 8260B	9091305
Toluene	ND		ug/L	0.500	1	09/17/09 01:23	SW846 8260B	9091305
Xylenes, total	ND		ug/L	0.500	1	09/17/09 01:23	SW846 8260B	9091305
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>103 %</i>					<i>09/17/09 01:23</i>	<i>SW846 8260B</i>	<i>9091305</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>100 %</i>					<i>09/17/09 01:23</i>	<i>SW846 8260B</i>	<i>9091305</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>98 %</i>					<i>09/17/09 01:23</i>	<i>SW846 8260B</i>	<i>9091305</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>103 %</i>					<i>09/17/09 01:23</i>	<i>SW846 8260B</i>	<i>9091305</i>
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	09/17/09 01:49	SW846 8015B	9092293
<i>Surr: a,a,a-Trifluorotoluene (40-150%)</i>	<i>109 %</i>					<i>09/17/09 01:49</i>	<i>SW846 8015B</i>	<i>9092293</i>
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	106	P	ug/L	100	1	09/17/09 03:39	SW846 8015B	9092178
<i>Surr: o-Terphenyl (27-150%)</i>	<i>86 %</i>					<i>09/17/09 03:39</i>	<i>SW846 8015B</i>	<i>9092178</i>

Client SECOR International Inc. - Goodyear (3862)
 1505 Corporate Woods Parkway #600
 Uniontown, OH 44685
 Attn Dennis Middleton

Work Order: NSI1009
 Project Name: Goodyear Retail Facilities - CA
 Project Number: 185702115.200.0001 / Goodyear DEX #9578
 Received: 09/12/09 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSI1009-03 (SB-5-GW - Ground Water) Sampled: 09/10/09 17:15								
Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		ug/L	0.500	1	09/17/09 01:51	SW846 8260B	9091305
Ethylbenzene	ND		ug/L	0.500	1	09/17/09 01:51	SW846 8260B	9091305
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	09/17/09 01:51	SW846 8260B	9091305
Toluene	ND		ug/L	0.500	1	09/17/09 01:51	SW846 8260B	9091305
Xylenes, total	ND		ug/L	0.500	1	09/17/09 01:51	SW846 8260B	9091305
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>101 %</i>					<i>09/17/09 01:51</i>	<i>SW846 8260B</i>	<i>9091305</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>99 %</i>					<i>09/17/09 01:51</i>	<i>SW846 8260B</i>	<i>9091305</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>98 %</i>					<i>09/17/09 01:51</i>	<i>SW846 8260B</i>	<i>9091305</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>105 %</i>					<i>09/17/09 01:51</i>	<i>SW846 8260B</i>	<i>9091305</i>
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	09/17/09 02:21	SW846 8015B	9092293
<i>Surr: a,a,a-Trifluorotoluene (40-150%)</i>	<i>110 %</i>					<i>09/17/09 02:21</i>	<i>SW846 8015B</i>	<i>9092293</i>

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Received: 09/12/09 08:30

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Extractable Petroleum Hydrocarbons with Silica Gel Treatment							
SW846 8015B	9092178	NSI1009-01	500.00	1.00	09/16/09 08:15	MAH	EPA 3510C
SW846 8015B	9092178	NSI1009-02	500.00	1.00	09/16/09 08:15	MAH	EPA 3510C

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PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
9092264-BLK1						
Oil & Grease HEM	<0.833		mg/L	9092264	9092264-BLK1	09/17/09 08:12
Volatile Organic Compounds by EPA Method 8260B						
9091305-BLK1						
Benzene	<0.240		ug/L	9091305	9091305-BLK1	09/17/09 00:28
Ethylbenzene	<0.200		ug/L	9091305	9091305-BLK1	09/17/09 00:28
Methyl tert-Butyl Ether	<0.250		ug/L	9091305	9091305-BLK1	09/17/09 00:28
Toluene	<0.250		ug/L	9091305	9091305-BLK1	09/17/09 00:28
Xylenes, total	<0.430		ug/L	9091305	9091305-BLK1	09/17/09 00:28
Surrogate: 1,2-Dichloroethane-d4	102%			9091305	9091305-BLK1	09/17/09 00:28
Surrogate: Dibromofluoromethane	97%			9091305	9091305-BLK1	09/17/09 00:28
Surrogate: Toluene-d8	99%			9091305	9091305-BLK1	09/17/09 00:28
Surrogate: 4-Bromofluorobenzene	104%			9091305	9091305-BLK1	09/17/09 00:28
Purgeable Petroleum Hydrocarbons						
9092293-BLK1						
GRO as Gasoline	<38.0		ug/L	9092293	9092293-BLK1	09/16/09 13:35
Surrogate: a,a,a-Trifluorotoluene	112%			9092293	9092293-BLK1	09/16/09 13:35
9092293-BLK2						
GRO as Gasoline	<38.0		ug/L	9092293	9092293-BLK2	09/16/09 19:53
Surrogate: a,a,a-Trifluorotoluene	113%			9092293	9092293-BLK2	09/16/09 19:53
Extractable Petroleum Hydrocarbons with Silica Gel Treatment						
9092178-BLK1						
Diesel	<38.0		ug/L	9092178	9092178-BLK1	09/17/09 02:48
Surrogate: o-Terphenyl	73%			9092178	9092178-BLK1	09/17/09 02:48

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PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
9092264-BS1								
Oil & Grease HEM	40.0	37.0		mg/L	92%	78 - 114	9092264	09/17/09 08:12
Volatile Organic Compounds by EPA Method 8260B								
9091305-BS1								
Benzene	50.0	50.7		ug/L	101%	80 - 121	9091305	09/16/09 22:36
Ethylbenzene	50.0	59.1		ug/L	118%	78 - 133	9091305	09/16/09 22:36
Methyl tert-Butyl Ether	50.0	54.5		ug/L	109%	76 - 120	9091305	09/16/09 22:36
Toluene	50.0	52.8		ug/L	106%	78 - 125	9091305	09/16/09 22:36
Xylenes, total	150	176		ug/L	117%	78 - 134	9091305	09/16/09 22:36
Surrogate: 1,2-Dichloroethane-d4	25.0	24.2			97%	63 - 140	9091305	09/16/09 22:36
Surrogate: Dibromofluoromethane	25.0	24.8			99%	73 - 131	9091305	09/16/09 22:36
Surrogate: Toluene-d8	25.0	25.9			104%	80 - 120	9091305	09/16/09 22:36
Surrogate: 4-Bromofluorobenzene	25.0	24.3			97%	79 - 125	9091305	09/16/09 22:36
Purgeable Petroleum Hydrocarbons								
9092293-BS2								
GRO as Gasoline	1000	870		ug/L	87%	60 - 140	9092293	09/17/09 03:58
Surrogate: a,a,a-Trifluorotoluene	30.0	36.6			122%	40 - 150	9092293	09/17/09 03:58
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
9092178-BS1								
Diesel	1000	642		ug/L	64%	60 - 140	9092178	09/17/09 03:05
Surrogate: o-Terphenyl	20.0	18.6			93%	27 - 150	9092178	09/17/09 03:05

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PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9091305-BSD1												
Benzene		52.2		ug/L	50.0	104%	80 - 121	3	12	9091305		09/16/09 23:04
Ethylbenzene		61.1		ug/L	50.0	122%	78 - 133	3	12	9091305		09/16/09 23:04
Methyl tert-Butyl Ether		57.6		ug/L	50.0	115%	76 - 120	6	32	9091305		09/16/09 23:04
Toluene		54.8		ug/L	50.0	110%	78 - 125	4	35	9091305		09/16/09 23:04
Xylenes, total		176		ug/L	150	117%	78 - 134	0.03	18	9091305		09/16/09 23:04
Surrogate: 1,2-Dichloroethane-d4		24.5		ug/L	25.0	98%	63 - 140			9091305		09/16/09 23:04
Surrogate: Dibromofluoromethane		24.6		ug/L	25.0	99%	73 - 131			9091305		09/16/09 23:04
Surrogate: Toluene-d8		26.3		ug/L	25.0	105%	80 - 120			9091305		09/16/09 23:04
Surrogate: 4-Bromofluorobenzene		24.5		ug/L	25.0	98%	79 - 125			9091305		09/16/09 23:04

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 Received: 09/12/09 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters										
9092264-MS1										
Oil & Grease HEM	0.879	36.2		mg/L	40.0	88%	78 - 114	9092264	NSI0546-04	09/17/09 08:12
Volatile Organic Compounds by EPA Method 8260B										
9091305-MS1										
Benzene	ND	41.8		ug/L	50.0	84%	65 - 151	9091305	NSI0757-01	09/17/09 07:59
Ethylbenzene	0.710	49.1		ug/L	50.0	97%	68 - 157	9091305	NSI0757-01	09/17/09 07:59
Methyl tert-Butyl Ether	ND	42.4		ug/L	50.0	85%	56 - 152	9091305	NSI0757-01	09/17/09 07:59
Toluene	1.29	42.8		ug/L	50.0	83%	61 - 153	9091305	NSI0757-01	09/17/09 07:59
Xylenes, total	3.59	143		ug/L	150	93%	68 - 158	9091305	NSI0757-01	09/17/09 07:59
<i>Surrogate: 1,2-Dichloroethane-d4</i>		24.1		ug/L	25.0	96%	63 - 140	9091305	NSI0757-01	09/17/09 07:59
<i>Surrogate: Dibromofluoromethane</i>		24.7		ug/L	25.0	99%	73 - 131	9091305	NSI0757-01	09/17/09 07:59
<i>Surrogate: Toluene-d8</i>		24.6		ug/L	25.0	98%	80 - 120	9091305	NSI0757-01	09/17/09 07:59
<i>Surrogate: 4-Bromofluorobenzene</i>		24.6		ug/L	25.0	99%	79 - 125	9091305	NSI0757-01	09/17/09 07:59

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 Received: 09/12/09 08:30

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9091305-MSD1												
Benzene	ND	44.1		ug/L	50.0	88%	65 - 151	5	12	9091305	NSI0757-01	09/17/09 08:27
Ethylbenzene	0.710	52.0		ug/L	50.0	103%	68 - 157	6	12	9091305	NSI0757-01	09/17/09 08:27
Methyl tert-Butyl Ether	ND	47.6		ug/L	50.0	95%	56 - 152	12	32	9091305	NSI0757-01	09/17/09 08:27
Toluene	1.29	46.0		ug/L	50.0	89%	61 - 153	7	35	9091305	NSI0757-01	09/17/09 08:27
Xylenes, total	3.59	152		ug/L	150	99%	68 - 158	6	18	9091305	NSI0757-01	09/17/09 08:27
Surrogate: 1,2-Dichloroethane-d4		23.8		ug/L	25.0	95%	63 - 140			9091305	NSI0757-01	09/17/09 08:27
Surrogate: Dibromofluoromethane		24.2		ug/L	25.0	97%	73 - 131			9091305	NSI0757-01	09/17/09 08:27
Surrogate: Toluene-d8		24.9		ug/L	25.0	99%	80 - 120			9091305	NSI0757-01	09/17/09 08:27
Surrogate: 4-Bromofluorobenzene		25.0		ug/L	25.0	100%	79 - 125			9091305	NSI0757-01	09/17/09 08:27

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Attn Dennis Middleton

Work Order: NSI1009
Project Name: Goodyear Retail Facilities - CA
Project Number: 185702115.200.0001 / Goodyear DEX #9578
Received: 09/12/09 08:30

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	California
EPA 1664A	Water	N/A	X	X
SW846 8015B	Water	N/A	X	X
SW846 8260B	Water	N/A	X	X

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Received: 09/12/09 08:30

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method

Matrix

Analyte

Client SECOR International Inc. - Goodyear (3862)
1505 Corporate Woods Parkway #600
Uniontown, OH 44685
Attn Dennis Middleton

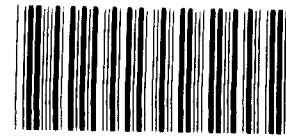
Work Order: NSI1009
Project Name: Goodyear Retail Facilities - CA
Project Number: 185702115.200.0001 / Goodyear DEX #9578
Received: 09/12/09 08:30

DATA QUALIFIERS AND DEFINITIONS

- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- P** The sample, as received, was not preserved in accordance to the referenced analytical method.
- ND** Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

COOLER RECEIPT



NS11009

1 of 2

Cooler Received/Opened On 09/12/2009 @ 0830

1. Tracking # 1640 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened: 2.3 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA

If yes, how many and where: NA

5. Were the seals intact, signed, and dated correctly? YES NO NA

6. Were custody papers inside cooler? YES NO NA

I certify that I opened the cooler and answered questions 1-6 (initial) M

7. Were custody seals on containers: YES NO and Intact YES NO NA

Were these signed and dated correctly? YES NO NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO NA

12. Did all container labels and tags agree with custody papers? YES NO NA

13a. Were VOA vials received? YES NO NA

b. Was there any observable headspace present in any VOA vial? YES NO NA

14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence #

I certify that I unloaded the cooler and answered questions 7-14 (initial)

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES NO NA

16. Was residual chlorine present? YES NO NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial)

17. Were custody papers properly filled out (ink, signed, etc)? YES NO NA

18. Did you sign the custody papers in the appropriate place? YES NO NA

19. Were correct containers used for the analysis requested? YES NO NA

20. Was sufficient amount of sample sent in each container? YES NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial)

I certify that I attached a label with the unique LIMS number to each container (initial)

21. Were there Non-Conformance issues at login? YES NO Was a PIPE generated? YES NO # 54573

SB-S GW received broken.



TestAmerica
 2960 Foster Creighton Dr
 Nashville, TN 37204
Phone: 615-301-5045

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

State in which sampling occurred _____
 Compliance Monitoring? Yes No
 Enforcement Action? Yes No

Client Name: Stantec
Address: 1505 Corporate Woods Parkway Suite 600
City/State/Zip: Uniontown, Ohio 44685
Project Manager: Dennis Middleton email: dennis.middleton@stantec.com
Telephone Number: 330-896-9226 **Fax No.:** 330-986-9232
Sampler Name: (Print) Michael Berwald
Sampler Signature: _____
PO & Quote Number: _____

Report To: Dennis Middleton Sta 1505 Corporate Woods Pkwy Uniontown, Oh 44685

Invoice To: Matthew McClellan P.O. Box 666. Akron, OH 44136-0001

Invoice email: matthew_mcclellan@goodyear.com

Territory ID: Goodyear DEX #9578

Project No & ID: 185702115.200.0001

Sample ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative						Matrix		Analyze For:	RUSH TAT (Pre-Schedule)	RUSH (72-Hour)	Standard TAT 7-10 Business Day	Fax Results	TestAmerica QC Level 2	Electronic Deliverables	REMARKS		
							HNO ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater									Soil	Other (specify)
SB-1-GW	9/10/09	1045	4	X			X		X				X	X	X	X	X				X		EDF Required	-1
SB-4-GW		1600	4																					2
SB-5-GW		1715	4																					3
SB-1-5'		830	1	X					X		X													
SB-1-13'		930																						
SB-1-17'		1020																						
SB-5-7'		1635																						
SB-5-14'		1645																						
SB-5-16'		1655																						

Special Instructions:
 A copy of the chain of custody must accompany each invoice to Goodyear for payment !!!
 EDF Required - Globale ID TO600101801

Laboratory Comments:
 Temperature Upon Receipt: 2.3
 Sample Containers Intact? Y N
 VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
<i>Michael Berwald</i>	9/11/09	357			
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			<i>Michael Berwald</i>	9-12-09	0830

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