

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

Law Department

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October 17, 2012

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

Dear Ms. Detterman:

Attached for your review is the Remediation Summary Report and First Semi-Annual Groundwater Monitoring Report (Reports) for the Goodyear DEX #9578, 3430 Castro Valley Boulevard, Castro Valley, California. The Reports were prepared for The Goodyear Tire & Rubber Company by Stantec Consulting Corporation. 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

Attachment

wc

cc: Mr. Jack Hardin, Stantec – Los Gatos

RECEIVED

9:36 am, Oct 30, 2012

Alameda County
Environmental Health



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Stantec

October 19, 2012

Ms. Karel Detterman
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Parkway, Suite 250
Alameda, CA 94502-6577

Dear Ms. Detterman:

**Reference: Remediation Summary Report and First Semi-Annual Groundwater Monitoring Report
Former Merritt Tire Sales/ Goodyear DEX #9578
3430 Castro Valley Boulevard
Castro Valley, California
Alameda County Environmental Health RO#0000474**

INTRODUCTION

Stantec Consulting Services Inc. (Stantec) has completed the remedial activities described in the *Revised Work Plan for Implementation of Corrective Action Work Plan, Replacement of a Groundwater Monitoring Well, and Continuation of Semi-Annual Groundwater Monitoring*, dated July 25, 2012, (the Revised Work Plan) for the above-referenced site (the Site, see Figure 1).

The Revised Work Plan was developed in response to the Alameda County Environmental Health (ACEH) June 18, 2009 letter, *Corrective Action Plan Approval for Leak Case No. RO0000474 and GeoTracker Global ID T0600101801, Merritt Tire Sale, 3430 Castro Valley Boulevard, Castro Valley, CA 94546* (CAP, see Attachment A), approving the *Corrective Action Work Plan, Goodyear DEX #9578, 3430 Castro Valley Boulevard, Castro Valley, California*, Stantec, May 14, 2009 (Stantec, 2009). The approval letter requested the addition of the following items:

- a) Confirmation Soil Sampling – ACEH requested that implementation of the proposed alternative include collection of soil samples from the base of the excavation.
- b) Cleanup Levels, Cleanup Goals, & Water Quality Objectives – ACEH requested that the final Corrective Action Plan include a discussion providing justification that the proposed cleanup levels will achieve water quality objectives of the *Water Quality Control Plan for the San Francisco Basin* (Basin Plan) within a reasonable amount of time.
- c) Groundwater Contaminant Plume Monitoring – ACEH recommends semi-annual groundwater monitoring be conducted during the first and third quarters of the year.

Completion of four direct-push soil borings (SB-1, SB-4, SB-5, and SB-8), specified in the May 14, 2009 *Corrective Action Plan* was accomplished in September 2009 and reported to ACEH in the *Project Status – Implementation of Corrective Action Work Plan, Goodyear DEX #9578, 3430 Castro Valley Boulevard, Castro Valley, California*, prepared by Stantec on January 27, 2010. Monitoring Well 3 (MW-3) was destroyed under this same scope of work in preparation for implementation of the Revised Work Plan.

ACEH-requested additions to the May 14, 2009 CAP were incorporated into the Revised Work Plan, resulting in accomplishment of the following tasks, which complete all activities identified in both ACEH's May 14, 2009 CAP approval letter, and Stantec's July 25, 2012 project status report:

Reference: Remediation Summary Report and First Semi-Annual Groundwater Monitoring Report

- Soil excavation,
- Confirmation sampling,
- Application of oxygen-releasing compound (ORC) amendment,
- Groundwater monitoring well installation and development, and
- Semi-annual groundwater monitoring and sampling.

This report is submitted within 45 days after receipt of the semi-annual groundwater monitoring event analytical results as indicated in the Revised Work Plan.

SITE BACKGROUND**Soil Data Summary**

Prior to 1993, a 550-gallon used oil underground storage tank (UST) was removed from the Site, the location of which is shown, along with previous soil borings and groundwater monitoring well locations, on Figure 2, Site Plan. In September 1993, two soil borings (No.1-South and No.2-North) were hand augered to 8 feet below ground surface (bgs) in proximity to the former UST. Soil samples from each borehole were submitted to Superior Analytical Laboratory (Superior Analytical) in Martinez, California for laboratory analysis of Total Petroleum Hydrocarbons (TPH) as Gasoline Range Organics (GRO); TPH as Diesel Range Organics (DRO); TPH as Oil and Grease (Oil & Grease); and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX). Analytical results from these soil borings are presented in Table 1.

In September 1994, three groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed to approximately 20 feet bgs to further assess subsurface soil and groundwater conditions. No visible indications or odors of petroleum hydrocarbons were present in soils collected from the boreholes for MW-1 and MW-2. Petroleum hydrocarbon odors were noted in soils collected from soil boring MW-3. Two soil samples were collected from each borehole at 6 and 10 feet bgs and submitted to Superior Analytical for analysis of TPH-GRO/DRO; Oil & Grease; BTEX; Halogenated Volatile Organic Compounds (HVOCs); and Semi-Volatile Organic Compounds (SVOCs). Petroleum hydrocarbon analytical results from soil samples collected from MW-1, MW-2, and MW-3 are presented in Table 1.

No benzene, toluene, xylenes, or SVOCs were detected in the soil samples submitted from MW-1, MW-2, and MW-3, with the exception of the following from MW-3: 0.067 milligrams per kilogram (mg/kg) of ethylbenzene and 500 mg/kg of 2-methyl-naphthalene detected in soil sample MW 3-1-1, collected at 6 feet bgs; and 0.068 mg/kg of ethylbenzene, 31 mg/kg of tetrachloroethene (PCE), 600 mg/kg of naphthalene, and 700 mg/kg of 2-methyl-naphthalene detected in soil sample MW 3-2-2, collected at 10 feet bgs.

In December 1996, in support of a Tier 1 risk-based corrective action (RBCA) evaluation, four soil borings (PB-1 through PB-4) were advanced to approximately 10 to 16 feet bgs; and PB-4 was subsequently converted to monitoring well MW-4. Soil samples collected from PB-1 and PB-4 at approximately 3 feet bgs were submitted to Columbia Analytical Services of San Jose, California for analysis of TPH-GRO; BTEX; and Oil & Grease. Analytical results for these soil samples are presented in Table 1.

In September 2009, four direct-push soil borings (SB-1, SB-4, SB-5, and SB-8) were completed along a transect extending approximately 14 feet north (upgradient) and 45 feet south (downgradient) of the former UST location (Figure 2). Soil borings were advanced to approximately 20 feet bgs for collection of soil and grab groundwater samples. Soil and grab groundwater samples collected were analyzed for: TPH DRO; Oil

Reference: Remediation Summary Report and First Semi-Annual Groundwater Monitoring Report

& Grease; TPH-GRO, BTEX, and methyl tert-butyl ether (MTBE). Soils were predominantly silty clays from approximately 1-foot bgs to approximately 15 feet bgs, underlain by silty sand and clay from 15 feet to 20 feet bgs. Gravelly clays were encountered from approximately 10 to 19 feet bgs in boring SB-8.

Soil analytical results indicate that TPH-DRO concentrations from selected samples were detected above the Regional Water Quality Control Board Environmental Screening Levels (ESLs) of 83 mg/kg for soil samples collected from SB-1, SB-4, and SB-8. Analytical results for soil samples collected during this subsurface investigation are included in Table 1.

Previous soil borings and groundwater monitoring well locations are shown on Figure 2.

Groundwater Data Summary

Groundwater monitoring and sampling of wells MW-1, MW-2, and MW-3 began in 1994, with well MW-4 added in 1996. Groundwater levels were monitored to assess groundwater flow directions and hydraulic gradients. These wells were also monitored for the presence of free-phase product (free-product). Depth to water and depth to product was measured to the nearest 0.01 feet from the top of the well casing, using an electronic water-level meter and an oil/water interface probe, respectively. Since 1994, the depth to groundwater has generally varied from 3.03 feet to 7.67 feet below top of casing in the four wells. Groundwater flows generally from the south to the southwest. Historic and current groundwater elevation data is shown in Table 2.

Concentrations of petroleum hydrocarbons and related constituents, including MTBE, have generally been below laboratory reporting limits (LRLs) in Site wells. Since groundwater monitoring began, TPH-GRO has not been detected above LRLs in wells MW-1, MW-2, and MW-4. TPH-DRO was reported in these three wells only from one sampling event (September 2004) at concentrations ranging from 78 to 103 micrograms per liter ($\mu\text{g/L}$). Beyond the September 2004 sampling event, concentrations of petroleum hydrocarbons have been consistently below LRLs, with the exception of 87 $\mu\text{g/L}$ TPH-DRO reported in MW-4 in December 2006. BTEX and MTBE concentrations have not been detected above LRLs in samples from wells MW-1, MW-2, and MW-4. Analytical results for these groundwater samples are summarized in Table 3.

Well MW-3, installed approximately 20 feet downgradient of the former used oil UST, has periodically contained free product. Initial sampling at this location in 1994 and 1995 reported TPH-GRO at concentrations up to 290 $\mu\text{g/L}$, TPH-DRO at concentrations up to 960 $\mu\text{g/L}$, and BTEX concentrations (benzene and total xylenes) up to 29 $\mu\text{g/L}$. Benzene was detected in well MW-3 at a concentration of 95 $\mu\text{g/L}$ in 1996, along with total xylenes of up to 53 $\mu\text{g/L}$. Passive free product removal, using adsorbent socks, was implemented between August 2002 and December 2007. During this time, MW-3 was sampled only once, in March 2005, at which time TPH-GRO, TPH-DRO, benzene, and MTBE were detected above ESLs. Free product removal was discontinued in 2007 at the direction of ACEH, who requested evaluation of more aggressive remediation techniques. Analytical results for these groundwater samples are summarized in Table 3.

Total lead has been sporadically detected in all Site wells at concentrations ranging from 5.6 to 28 $\mu\text{g/L}$. The presence of lead at similar concentrations in all Site wells is likely indicative of a background condition unrelated to the historical release of petroleum hydrocarbons from the former used oil UST. Neither HVOCs nor SVOCs were detected in groundwater samples collected from MW-1, MW-2, or MW-3 in 1994, except for 1.0 and 1.7 $\mu\text{g/L}$ of chloroform in MW-1 and MW-2, respectively, and 10 $\mu\text{g/L}$ of bis (2-ethylhexyl) phthalate in MW-1. The following HVOCs were detected in MW-3: 8.3 $\mu\text{g/L}$ of vinyl chloride; 1.6 $\mu\text{g/L}$ of 1,1-dichloroethene; 17 $\mu\text{g/L}$ of 1,1-dichloroethane; 8.4 $\mu\text{g/L}$ of cis-1,2-dichloroethene; 12 $\mu\text{g/L}$ of 1,1,1-trichloroethane; 1.2 $\mu\text{g/L}$ of trichloroethene; and, 12 $\mu\text{g/L}$ of PCE.

Reference: Remediation Summary Report and First Semi-Annual Groundwater Monitoring Report

Groundwater was collected from soil borings SB-1, SB-4, SB-5, and SB-8 in September 2009. Analytical results for these samples indicate that TPH-DRO concentrations were detected above the ESL of 100 µg/L in groundwater samples collected from SB-1 and SB-4. Analytical results for the groundwater samples collected during this subsurface investigation are included in Table 3.

Monitoring Well Destruction

In September 2009, existing monitoring well MW-3 was destroyed via pressure grouting by ECA of Aptos, California, 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. Pressure grouting was 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 trowled 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.

REMEDIAL ACTION ACTIVITIES

Stantec completed tasks identified in the Revised Work Plan for over-excavation of soil adjacent to a former used oil UST; groundwater monitoring well installation; and continuation of semi-annual groundwater monitoring at the Site between August 13th and 20th, 2012. The excavation plan and locations of confirmation soil samples are shown on Figure 3. Selected photographs of the various remedial action activities are included in Attachment B.

Preliminary Activities

Prior to initiating field activities, a Site-specific health and safety plan (HASP) was prepared for use by personnel implementing the Revised Work Plan. The HASP, a copy of which was kept available on-Site at all times, addressed the proposed field work. Subcontractors performing field activities were provided a copy of the HASP prior to starting work.

Stantec conducted a pre-excavation meeting at the Site, which included the Stantec project manager, field staff, tenant representatives, and the remedial action subcontractor (ICS – Norcal of Oakland, California). The purpose of the meeting was to coordinate site activities with the current tenant, to provide the subcontractors with an opportunity view the worksite and provide input, and to conduct an underground utility clearance prior to initiating field activities. The utility clearance included notifying Underground Service Alert (USA) of the proposed work a minimum of 48 hours prior to initiating the field investigation, and securing the services of a private utility locating company (Cruz Brothers of Scotts Valley, California) to confirm the absence of underground utilities in the area to be excavated.

Stantec obtained Water Resources Well Permit Number W2012-0557 from the Alameda County Public Works Agency for installation of monitoring well MW-5, and completed and submitted the State DWR Form 188, as required. Mr. James Yoo was contacted for an inspection prior to drilling, as required. Both the Well Permit and DWR Form are enclosed as Attachment C.

Reference: Remediation Summary Report and First Semi-Annual Groundwater Monitoring Report

Soil Excavation

As indicated on Figure 3, the overall excavation covered the area in front of service bay numbers 5 through 8 and the storage area. Based on the results of previous investigations, the area of the former UST to be excavated was determined to be 15-feet wide (limited by the presence of a high pressure natural gas to the west and the Site building to the east), by 60-feet long (the extent of known petroleum impacted soils), and by 8-feet deep (the anticipated depth of first-encountered groundwater).

To minimize impact of the excavation activities on access to the service bays during the day, excavation activities were conducted during non-operational business hours (i.e., between 6:00 PM and 7:00 AM on weekdays). To further this effort, the excavation was completed using a slot-cut method by which soil was excavated in sections (or trenches) narrow enough to be covered by steel plates by 7:00 AM daily. The concrete apron covering each of the three to five foot-wide trenches was removed prior to initiating excavation activities.

During excavation activities, a waterline was unearthed parallel to the building at a depth of approximately 12-inches. The waterline was at a distance of between 19 and 26-inches from the building's foundation. This limited the eastern extent of the excavation.

Excavated soil was stockpiled on visqueen in a pre-designated lay down area, and covered by 7:00 AM daily. Soil proximate to the former UST was stored and characterized separately from the rest of the excavated soil, due to the presence of a strong odor and visible sheen on the soil. This investigation-derived waste was subsequently sampled by Stantec, and profiled as non-hazardous waste. It was transported by Intrinsic Trucking Company of Santa Rosa, California for disposal at the Republic Services – Vasco Road Landfill in Livermore, California. A total of 330.10 tons of non-hazardous soil was disposed, the bills of lading for which are included as Attachment D).

Confirmation Soil Sampling

Confirmation soil samples were collected from the base of the excavation and approximately 5 to 6 feet bgs (sidewall samples) within each trench to determine whether residual source material was removed by the excavation activities or if it remains at the Site. One soil confirmation sample was collected for approximately every 10 linear feet of excavation; a total of 20 confirmation soil samples (EX-1 through EX-20) were collected. Confirmation soil samples were transported to Test America Laboratories, Inc. in Pleasanton, California (Test America), a state certified laboratory, for analysis under chain-of-custody protocol. Samples were analyzed for the following:

- TPH-GRO by 8260B;
- TPH-DRO by 8015B;
- Oil & Grease by 9071B;
- BTEX by 8260B;
- MTBE by 8260B;
- SVOCs by 8270C;
- Lead (Pb) by 6010B; and
- Lead scavengers (ethylene dichloride [EDC] and ethylene dibromide [EDB]) by 8260B.

Application of Oxygen Releasing Compound (ORC) Amendment

Stantec applied approximately 40 pounds of ORC to each trench excavation (i.e., that portion in communication with the first encountered water-bearing zone) prior to placement of backfill. Addition of the

Reference: Remediation Summary Report and First Semi-Annual Groundwater Monitoring Report

ORC is designed to stimulate and enhance bioremediation of petroleum hydrocarbons present in groundwater. The ORC selected for use was a Regenesis product, which is a combination of calcium and oxyhydroxide [CaO(OH)₂] and calcium hydroxide [Ca(OH)₂]. Regenesis recommended ORC application requirements and Material Safety Data Sheet are provided in Attachment E. Approximately 400 pounds of ORC were applied to the overall excavation.

Backfilling, Compaction, and Site Restoration

Once the soil was excavated, confirmation samples collected, and ORC placed, each of the 10 trenches were filled with a sand-and-cement slurry and compacted. Each excavation was then covered with a steel plate prior to 7:00 AM. Trenches were excavated in leap-frog fashion to allow time for the slurry to establish its full bearing strength before the plate was removed. After the last trench was completed, the concrete apron over all trenches was replaced to match the surrounding surface.

GROUNDWATER MONITORING WELL INSTALLATION AND DEVELOPMENT ACTIVITIES**Groundwater Monitoring Well Installation and Development**

On August 14, 2012, Stantec installed monitoring well MW-5 (see Figure 3) down-gradient of the excavation, to monitor post-remediation groundwater conditions. The boring location was hand augured to 5-feet bgs to confirm the absence of subsurface underground utilities or obstructions. The boring was logged continuously from the surface to total depth investigated and recovered soils inspected by a Stantec geologist for parameters including staining, the presence of volatile organic vapors using a photo-ionized detector (PID), color, grain size, and moisture content. Soils were described in accordance with the Unified Soil Classification System (USCS) and recorded onto a boring log (Attachment F). The two-inch diameter well was installed to a total depth of 20-feet bgs, with a screened interval of 7 to 20 feet bgs, slotted at 0.02-inches. Groundwater was first encountered at 7-feet bgs.

A soil sample was collected on August 15, 2012 from between 6.5 and 7.0 feet bgs and retained for chemical analysis by capping a 6-inch long section of plastic sample sleeve tub with Teflon™ tape and plastic end caps. The sample was immediately labeled, placed in an ice-filled cooler for preservation, and transported to Test America, for analysis under chain-of-custody protocol. The sample was analyzed for the same contaminants as the confirmation soil samples. Analytical results for the sample were below laboratory reporting limits for all constituents of concern.

On August 17, 2012, MW-5 was developed along with MW-1, MW-2, and MW-4, in accordance with industry standards. The locations (X and Y coordinates) and elevations (Z coordinate) of the new well, MW-5, and existing monitoring wells MW-1, MW-2, and MW-4, were subsequently surveyed by a professional surveyor registered in the State of California, in accordance with applicable standards of AB 2886. The elevation of the well casing for MW-5 was determined to be 179.42 feet above mean sea level (MSL). The TOC data for all wells are shown in Table 2. The casing for MW-5 was notched on the north side to provide a reference point for future depth to water measurements.

SEMI-ANNUAL GROUNDWATER MONITORING EVENT

On August 21, 2012, Stantec initiated semi-annual groundwater sampling at the Site. Depth to groundwater measurements indicated groundwater flow was to the south at an average gradient of 0.013 feet per foot. Historic and current groundwater elevation data are included in Table 2 and illustrated on Figure 4.

Groundwater samples were submitted to Test America for the following analyses:

Reference: Remediation Summary Report and First Semi-Annual Groundwater Monitoring Report

- TPH-GRO by 8260B;
- TPH-DRO by 8015B;
- Oil & Grease by 1664A;
- BTEX by 8260B;
- MTBE by 8260B;
- SVOCs by 8270C;
- Pb by 6010B; and
- Lead scavengers (EDC and EDB) by 8260B.

FINDINGS**Confirmation Soil Samples**

Petroleum Hydrocarbons, Lead, and Lead Scavengers. Analytical results indicate detections of TPH-D above the ESL of 83 mg/kg in 12 confirmation soil samples, ranging in value from 83 mg/kg (EX-14) to 2,600 mg/kg (EX-20). Benzene was detected above the ESL of 0.044 mg/kg in four locations, ranging in value from 0.048 mg/kg (EX-7) to 0.12 mg/kg (EX-8). Xylenes were detected above the ESL of 2.3 mg/kg in two locations ranging in value from 3.3 mg/kg (EX-10) to 3.9 mg/kg (EX-8).

Analytical data for petroleum hydrocarbons, lead, and lead scavengers in confirmation soil samples are summarized in Table 4A. Copies of certified laboratory analytical reports and chain of custody forms are provided in Attachment G.

SVOCs. Analytical results indicate detections of 2 methylnaphthalene above the ESL of 0.25 mg/kg in four (4) confirmation soil samples: EX-7, EX-8, EX-9, and EX-10. Detections ranged from 0.89 mg/kg (EX-9) to 3.5 mg/kg (EX-10).

Analytical data for SVOC detections in confirmation soil samples are summarized in Table 4B. SVOC concentrations for sample locations not shown in Table 4B, were below LRLs. Copies of certified laboratory analytical reports and chain of custody forms are provided in Attachment G.

Groundwater Monitoring Samples

On August 17, 2012, wells MW-1, MW-2, MW-4, and MW-5 were developed in accordance with industry standards. Groundwater samples were collected approximately 72 hours following well development (i.e., on August 21, 2012). Analytical results indicate no detections of any contaminants above ESLs in any of the wells, except for 8.1 µg/L of lead in MW-5 (the ESL for lead is 2.5 µg/L). Groundwater field data sheets are provided in Attachment H.

Groundwater sample results are shown in Table 5. Copies of certified laboratory analytical reports and chain of custody forms are provided in Attachment I.

Soil and Groundwater Goals

In the *Corrective Action Work Plan* (Stantec 2009), Stantec proposed using ESLs established by the San Francisco Bay Regional Water Quality Control Board (RWQCB, 2008) for commercial property uses where groundwater is a potential drinking water source as soil and water quality goals to guide remedial activities at the Site. Stantec used the ESLs for this purpose during the direct push soil boring investigation.

Reference: Remediation Summary Report and First Semi-Annual Groundwater Monitoring Report

However, through the course of implementing the scope of work in the Revised Work Plan, Stantec encountered physical limitations in the subsurface that could not reasonably be altered and prevented further soil excavation in the area. The size of the soil excavation was limited by the following factors:

- The presence of electrical conduit to the north of the excavation,
- The presence of a gas line to the west of the excavation,
- The presence a water line at 20-inches from the foundation to the east of the excavation, and
- The presence of groundwater beneath the excavation.

These factors lead Stantec to conclude that ESLs should not be used as drivers for this cleanup action. In addition, detections in MW-5, south of the excavation, are near or below MDLs, with only a low concentration of lead being detected. We believe that the water quality objectives of the Water Quality Control Plan for the San Francisco Bay Basin are being reached as demonstrated with the current results and will continue to be exhibited through the groundwater monitoring program.

CONCLUSIONS AND RECOMMENDATIONS

Stantec concludes that there is sufficient data to satisfy the water quality protection objectives of the Basin Plan and recommends modification of the groundwater monitoring program from semi-annual to quarterly for three more quarters. If groundwater analytical results continue as recently demonstrated during the next three quarterly sampling events, Stantec will prepare a Site Closure Request based on the RWQCB's recently adopted *Low-Threat Underground Storage Tank Case Closure Policy*.

LIMITATIONS

This letter report was prepared in accordance with the scope of work outlined in Stantec's contract and with generally accepted professional engineering and geologic consulting practices existing at the time this report was prepared and applicable to the location of the Site. It was prepared for the exclusive use of the Goodyear Tire & Rubber Company for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Stantec. To the extent that this report is based on information provided to Stantec by third parties, Stantec may have made efforts to verify this third party information, but Stantec cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the Site existing at the time of the field investigation. No other warranties, expressed or implied are made by Stantec.

Reference: Remediation Summary Report and First Semi-Annual Groundwater Monitoring Report

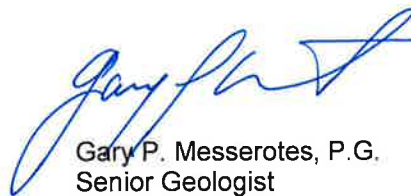
We appreciate the opportunity to submit this Remediation Summary Report to ACEH, and trust that this document meets with your approval. If you have any questions or concerns, please contact either of the undersigned.

Sincerely,

STANTEC CONSULTING SERVICES INC.



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cc: Ms. Karen Burlingame, The Goodyear Tire & Rubber Company, 1144 East Market Street, D/110F, Akron, OH 44316

Attachments:

Table 1 – Historical Soil Analytical Results
Table 2 – Groundwater Elevation Data
Table 3 – Historical Groundwater Analytical Results
Table 4A – Confirmation Soil Sample Analytical Results Petroleum Hydrocarbons, Lead & Lead Scavengers
Table 4B – Confirmation Soil Sample Analytical Results – SVOCs
Table 5 – Groundwater Analytical Results

Figure 1 – Site Location Map
Figure 2 – Site Plan
Figure 3 – Excavation and Confirmation Soil Sample Location
Figure 4 – Groundwater Elevation Contour & Analytical Data Map

Attachment A – ACEH Work Plan Approval Letter
Attachment B – Selected Photographs
Attachment C – Well Permit and WDR Form
Attachment D – Waste Disposal Bills of Lading
Attachment E – Oxygen Releasing Compound MSDS
Attachment F – Boring Log and Well Construction Diagram for MW-5
Attachment G – Confirmation Soil Sample Analytical Reports
Attachment H – Groundwater Field Data Sheets
Attachment I – Groundwater Sample Analytical Reports

TABLES

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

Sample ID	Sample Date	TPH as Gasoline (mg/kg)	TPH as Diesel (mg/kg)	Oil & Grease (mg/kg)	Ethylbenzene (mg/kg)
Shallow Soil ESL (mg/kg)		83	83	NE	3.3
Deep Soil Soil ESL (mg/kg)		83	83	NE	3.3
No. 1-South	09/22/93	230	2,400	6,100	3.6
No. 2-North	09/22/93	22	388	1,600	0.34
MW 1-1-3	09/28/94	<1	<10	<50	<0.005
MW 1-2-2	09/28/94	<1	<10	<50	<0.005
MW 2-1-1	09/28/94	<1	<10	<50	<0.005
MW 2-2-1	09/28/94	<1	<10	<50	<0.005
MW 3-1-1	09/28/94	4	210	550	0.067
MW 3-2-2	09/28/94	14	560	1,300	0.068
PB-1	12/13/96	120	NT	8,200	1.6
PB-4	12/13/96	<1	NT	<10	<0.005
OWS-1	09/30/04	NT	<12.1	<12.0	<0.0024
UST-1	09/30/04	NT	1,050	2,490	NT
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-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
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

Notes:

All soil concentrations measured in milligrams per kilogram (mg/kg)

TPH = Total petroleum hydrocarbons

TPH as Gasoline = analyzed by EPA 8260B

TPH as Diesel = analyzed by EPA 8015B

Oil & Grease = reported as HEM with silica gel cleanup (SGT-HEM) analyzed by EPA 9071B

Ethylbenzene = analyzed by EPA 8260B

ESL = Environmental Screening Levels from California Regional Water Quality Control Board San Francisco Bay Region - Shallow Soils (<3 meters bgs) and Deep soils (>3 meters bgs) where Groundwater is a Current or Potential Source of Drinking Water for Commercial and Industrial Areas - November 2007 (Revised May 2008)

NE = Not established

Bold numbers denote concentration levels at or above San Francisco Bay Regional Water Quality Control Board ESLs

NT = Not Tested

< = concentration is below the laboratory reporting limit

TABLE 2
Groundwater Elevation Data
Former Merritt Tire Sales/Goodyear DEX #9578
3430 Castro Valley Blvd.,
Castro Valley, CA

Well ID	Screen Interval (feet, bgs)	Date	TOC Elevation (feet, msl)	DTW (feet)	DTP (feet)	Groundwater Elevation (feet, msl)
MW-1	10-20	09/30/94	177.17	4.43		172.74
		04/24/95		4.43		172.74
		08/28/02		6.04		171.13
		09/30/03		5.76*		171.41
		09/30/04		6.23		170.94
		03/29/05		3.44		173.73
		05/30/06		4.93		172.24
		06/15/06		5.05		172.12
		12/14/06		4.55		172.62
		06/27/07		5.59		171.58
		12/03/07		5.82		171.35
		06/30/08		5.68		171.49
		12/04/08		6.02		171.15
		06/05/09		5.72		171.45
08/21/12	179.80	6.26		173.54		
MW-2	9-19.5	09/30/94	176.55	4.38		172.17
		04/24/95		4.38		172.17
		08/28/02		5.66		170.89
		09/30/03		5.40*		171.15
		09/30/04		5.86		170.69
		03/29/05		3.03		173.52
		05/30/06		4.59		171.96
		06/15/06		4.71		171.84
		12/14/06		4.20		172.35
		06/27/07		5.19		171.36
		12/03/07		5.46		171.09
		06/30/08		5.33		171.22
		12/04/08		5.65		170.90
		06/05/09		5.35		171.20
08/21/12	179.19	5.88		173.31		
MW-3*	10.5-19.5	09/30/94	176.97	--	--	--
		04/24/95		4.91		172.06
		02/09/96		--	--	--
		12/31/96		--	--	--
		08/28/02		11.25	5.56	165.72
		09/30/03		6.19*	5.92	170.78
		09/30/04		6.35	6.30	170.62
		03/29/05		3.77	3.77	173.20
		05/30/06		--	--	--
		12/14/06		4.75	--	172.22
		06/27/07		6.89	5.10	170.08
		12/03/07		5.97	4.15	171.00
		06/30/08		--	5.80	--
12/04/08		--	5.75	--		
06/05/09		--	5.75	--		
MW-4	5-14.5	12/31/96	176.98	--		--
		08/28/02		7.40		169.58
		09/30/03		7.21*		169.77
		09/30/04		7.56		169.42
		03/29/05		5.23		171.75
		05/30/06		6.67		170.31
		12/14/06		6.15		170.83
		06/27/07		7.16		169.82
		12/03/07		7.32		169.66
		06/30/08		7.31		169.67
		12/04/08		7.45		169.53
06/05/09		7.30		169.68		
08/21/12	179.61	7.67		171.94		
MW-5	7-20	08/21/12	179.42	6.35		173.07

Notes

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

TABLE 3
Historical Groundwater Analytical Results
Former Merritt Tire Sales/Goodyear DEX #9578
3430 Castro Valley Blvd.,
Castro Valley, California

Groundwater Monitoring Well ID	Sample Date	TPH as Gasoline (µg/L)	TPH as Diesel (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Lead (µg/L)	1,2-Dichloroethane (EDC) (µg/L)	Ethylene Dibromide (EDB) (µg/L)
Shallow Soil ESL (µg/L)		100	100	NE	1.0	40	30	20	5.0	2.5	0.5	NE
Deep Soil ESL (µg/L)		100	100	NE	1.0	40	30	20	5.0	2.5	0.5	NE
SB-1-GW	09/10/09	<50	125	4,400	<0.50	<0.50	<0.50	<0.50	<0.50	NT	NT	NT
SB-4-GW	09/10/09	<50	106	<16,000	<0.50	<0.50	<0.50	<0.50	<0.50	NT	NT	NT
SB-5-GW	09/10/09	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	NT	NT	NT
MW-1	09/30/94	<50	<50	<5,000	<0.5	<0.5	<0.5	<0.5	NT	<50	NT	NT
	04/24/95	<50	<50	<5,000	<0.5	<0.5	<0.5	<0.5	NT	5.6	NT	NT
	08/28/02	<50	<50	207	<0.5	<0.5	<0.5	<0.5	<0.5	20	NT	NT
	09/30/03	<50	<50	<5,000	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	NT	NT
	09/30/04	<100	87	<5,000	<1	<1	<1	<1	<1	<5.0	NT	NT
	03/29/05	<100	<100	<5,210	<1	<1	<1	<1	<1	<5.0	NT	NT
	05/30/06	<50	<50	<2,500	<0.5*	<0.5*	<0.5*	<0.5*	NT	<100	NT	NT
	06/15/06	NT	NT	NT	<0.5	<0.5	<0.5	<0.5	NT	NT	NT	NT
	12/14/06	<50	<70	<2,600	<0.5	<0.5	<0.5	<0.5	NT	<100	NT	NT
	06/27/07	<50	<490	<4,700	<2.0	<2.0	<2.0	<4.0	<5.0	25	NT	NT
	12/03/07	<100	<100	<5,000	<0.50	<0.50	<0.50	<1.0	<1.0	6.2	NT	NT
	06/30/08	<50.0	<49.0	<5,260	<0.50	<0.50	<0.50	<0.50	<0.50	<5.00	NT	NT
	12/04/08	<50	<50	<2,500	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<0.50	<0.50
	06/05/09	<50	<50	<5,000	0.52	<0.50	<0.50	<1.0	<5.0	<6.0	<0.50	<0.50
	08/21/12	<21	<22	<1,400	<0.25	<0.17	<0.070	<0.49	<0.069	<2.3	<0.077	<0.075
MW-2	09/30/94	<50	<50	<5,000	<0.5	<0.5	<0.5	<0.5	NT	<50	NT	NT
	04/24/95	<50	<50	<5,000	<0.5	<0.5	<0.5	<0.5	NT	7.5	NT	NT
	08/28/02	<50	<50	162	<0.5	<0.5	<0.5	<0.5	<0.5	10	NT	NT
	09/30/03	<50	<50	<5,000	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	NT	NT
	09/30/04	<100	78	<5,000	<1	<1	<1	<1	<1	<5.0	NT	NT
	03/29/05	<100	<100	<5,490	<1	<1	<1	<1	<1	<5.0	NT	NT
	05/30/06	<50	<50	<2,400	<0.5*	<0.5*	<0.5*	<0.5*	NT	<100	NT	NT
	06/15/06	NT	NT	NT	<0.5	<0.5	<0.5	<0.5	NT	NT	NT	NT
	12/14/06	<50	<70	<2,700	<0.5	<0.5	<0.5	<0.5	NT	<100	NT	NT
	06/27/07	<50	<480	<4,700	<2.0	<2.0	<2.0	<4.0	<5.0	17	NT	NT
	12/03/07	<100	<100	<5,000	<0.50	<0.50	<0.50	<1.0	<1.0	<5.0	NT	NT
	06/30/08	<50.0	<47.6	<5,210	<0.50	<0.50	<0.50	<0.50	<0.50	<5.00	NT	NT
	12/04/08	<50	<50	<2,500	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<0.50	<0.50
	06/05/09	<50	<50	<5,000	<0.50	<0.50	<0.50	<1.0	<5.0	<6.0	<0.50	<0.50
	08/21/12	<21	<22	<1,400	<0.25	<0.17	<0.49	<0.49	<0.069	<2.3	<0.077	<0.075
MW-3**	09/30/94	290	72	<5,000	29	3.2	3.3	29	NT	<50	NT	NT
	04/24/95	53	960	<5,000	12	0.84	0.69	2.4	NT	7.1	NT	NT
	02/09/96	--	--	--	9.6	1.4	1.2	2	NT	NT	NT	NT
	12/31/96	--	--	--	95	7	19	53	NT	NT	NT	NT
	08/28/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 3
Historical Groundwater Analytical Results
Former Merritt Tire Sales/Goodyear DEX #9578
3430 Castro Valley Blvd.,
Castro Valley, California

Groundwater Monitoring Well ID	Sample Date	TPH as Gasoline (µg/L)	TPH as Diesel (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Lead (µg/L)	1,2-Dichloroethane (EDC) (µg/L)	Ethylene Dibromide (EDB) (µg/L)
MW-3** (continued)	09/30/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/30/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/29/05	274	2,430	<5,260	81	7.8	8	11.5	23.6	<5.0	NT	NT
	05/30/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/27/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/03/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/30/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/04/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/05/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	12/31/96	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT
	08/28/02	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	<0.5	11	NT	NT
	09/30/03	<50	<50	<5,000	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	NT	NT
	09/30/04	<50	103	<5,000	<1	<1	<1	<1	<1	11.0	NT	NT
	03/29/05	<100	<100	<5,320	<1	<1	<1	<1	<1	<5.0	NT	NT
	05/30/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NT	NT
	12/14/06	<50	87	<3,500	<0.5	<0.5	<0.5	<0.5	NT	<400	NT	NT
	06/27/07	<50	<470	<4,800	<2.0	<2.0	<2.0	<4.0	<5.0	28	NT	NT
	12/03/07	<100	<100	<4,700	<0.50	<0.50	<0.50	<1.0	<1.0	<5.0	NT	NT
	06/30/08	<50	<58.8	<5,210	<0.50	<0.50	<0.50	<0.50	<0.50	15.8	NT	NT
	12/04/08	<50	<50	<2,500	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<0.50	<0.50
	06/05/09	<50	<50	<5,000	<0.50	<0.50	<0.50	<1.0	<5.0	<6.0	<0.50	<0.50
	08/21/12	<21	<22	<1,400	<0.25	<0.17	<0.070	<0.49	<0.069	<2.3	<0.077	<0.075
MW-5	08/21/12	<21	<22	1,700 ^J	<0.25	<0.17	<0.070	<0.49	0.17 ^J	8.1	<0.077	<0.075

Notes:

µg/L = micrograms per Liter

ND = Not detected above laboratory reporting limits

NE = No established ESL values

NS = Not Sampled

NT = Not tested

ESL = Environmental Screening Levels from California Regional Water Quality Control Board San Francisco Bay Region - Shallow Soils (<3 meters bgs) and Deep soils (>3 meters bgs) where Groundwater is a Current or Potential Source of Drinking Water for Commercial and Industrial Areas - November 2007 (Revised May 2008)

TPH = Total petroleum hydrocarbons

TPH as Gasoline = historically analyzed by EPA Method 8015B; beginning December 3, 2007 TPHg analyzed by LUFT GC/MS 8260B

TPH as Diesel = analyzed by EPA Method 8015B/3510; beginning August 21, 2012 analyzed by 8015B with silica gel cleanup

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

BTEX compounds = historically analyzed by EPA Method 8021B; beginning September 30, 2003 VOCs analyzed by EPA Method 8260B

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

EDC and EDB = analyzed by EPA Method 8260B

* Due to the laboratory exceeding the hold time for VOC analysis, MW-1 and MW-2 were resampled on 6/15/06.

** Groundwater Monitoring Well MW-3 was destroyed September 10, 2009.

^J Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

< concentration is below method detection limit (MDL)

Bold numbers denote concentration levels at or above San Francisco Bay Regional Water Quality Control Board ESLs

TABLE 4A
Confirmation Soil Sample Analytical Results - Petroleum Hydrocarbons, Lead, and Lead Scavengers
Former Merritt Tire Sales / Goodyear DEX #9578
3430 Castro Valley Boulevard
Castro Valley, California

Confirmation Sample ID	Sample Date	TPH-GRO	TPH-DRO	Oil & Grease	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead	EDC	EDB
Shallow Soil ESL (mg/kg)		83	83	NE	0.044	2.9	3.3	2.3	0.023	750	0.0045	NE
EX-1	08/13/12	<0.230	<0.99	<20	<0.0045	<0.0048	<0.0045	<0.0091	<0.0045	8.8	<0.0045	<0.0045
EX-2	08/13/12	<0.250	<1.0	<20	<0.0049	<0.0049	<0.0049	<0.0098	<0.0049	12	<0.0049	<0.0049
EX-3	08/13/12	<0.230	<0.99	<20	<0.0047	<0.0047	<0.0047	<0.0094	<0.0047	10	<0.0047	<0.0047
EX-4	08/13/12	<0.240	<1.0	<20	<0.0047	<0.0047	<0.0047	<0.0095	<0.0047	7.6	<0.0047	<0.0047
EX-5	08/14/12	7.1	980	370	0.014	0.022	0.046	0.3	<0.0047	16	<0.0047	<0.0047
EX-6	08/14/12	5.4	750	510	0.051	0.092	0.19	0.71	<0.0047	13	<0.0047	<0.0047
EX-7	08/14/12	4.9	1,200	600	0.048	0.0063	0.16	0.037	<0.0049	11	<0.0049	<0.0049
EX-8	08/16/12	31	2,000	<20	0.12	0.11	0.27	3.9	0.0057	26	<0.0048	<0.0048
EX-9	08/16/12	6.3	930	420	0.03	0.053	0.14	0.075	<0.0047	15	<0.0047	<0.0047
EX-10	08/16/12	25	2,300	630	0.085	0.41	0.32	3.3	<0.0049	0.31	<0.0049	<0.0049
EX-11	08/17/12	2.4	670	240	<0.005	<0.005	<0.005	<0.0099	<0.005	17	<0.005	<0.005
EX-12	08/17/12	1.0	740	<20	<0.0049	<0.0049	0.019	<0.0099	<0.0049	9.3	<0.0049	<0.0049
EX-13	08/17/12	<0.250	6.8	<20	<0.0049	<0.0049	<0.0049	<0.0099	<0.0049	12	<0.0049	<0.0049
EX-14	08/17/12	<0.250	83	<20	<0.005	<0.005	<0.005	<0.0099	<0.005	13	<0.005	<0.005
EX-15	08/17/12	2.0	530	<20	<0.0048	<0.0048	0.024	0.014	<0.0048	11	<0.0048	<0.0048
EX-16	08/17/12	0.57	5.5	<20	<0.005	<0.005	<0.005	0.055	<0.005	9.1	<0.005	<0.005
EX-17	08/18/12	<0.240	40	<20	<0.0048	<0.0048	<0.0048	<0.0096	<0.0048	9.5	<0.0048	<0.0048
EX-18	08/18/12	1.0	250	<20	<0.005	<0.005	<0.005	<0.0099	<0.005	9.6	<0.005	<0.005
EX-19	08/18/12	<0.250	<1.0	<20	<0.0049	<0.0049	<0.0049	<0.0099	<0.0049	8.5	<0.0049	<0.0049
EX-20	08/20/12	11	2,600	2,600	0.013	0.013	0.069	0.048	<0.0047	7.5 ^B	<0.0047	<0.0047

TABLE 4A
Confirmation Soil Sample Analytical Results - Petroleum Hydrocarbons, Lead, and Lead Scavengers
Former Merritt Tire Sales / Goodyear DEX #9578
3430 Castro Valley Boulevard
Castro Valley, California

Notes:

All soil concentrations measured in milligrams per kilogram (mg/kg)

TPH = Total petroleum hydrocarbons

TPH as Gasoline = analyzed by EPA 8260B

TPH as Diesel = analyzed by EPA 8015B with silica gel cleanup

Oil & Grease = reported by HEM with silica gel cleanup (SGT-HEM) analyzed by EPA 9071B

Benzene, Toulene, Ethylbenzene, and Xylenes = analyzed by EPA 8260B

MTBE = Methyl tert-butyl ether analyzed by EPA 8260B

Lead = analyzed by EPA 6010B

EDC = 1,2-Dichloroethane analyzed by EPA 8260B

EDB = Ethylene Dibromide analyzed by EPA 8260B

ESL = Environmental Screening Levels from California Regional Water Quality Control Board San Francisco Bay Region - Shallow Soils (<3 meters bgs) where Groundwater is a Current or Potential Source of Drinking Water for Commerical and Industrial Areas - November 2007 (Revised May 2008)

NE = Not established

< = concentration is below laboratory reporting limit (LRL) for all analytes except for TRPH which is below the method detection limit (MDL)

^B = compound was found in the blank and sample

* = LCS or LCSD exceeds the control limits

Bold numbers denote concentration levels at or above San Francisco Bay Regional Water Quality Control Board ESLs

TABLE 4B
Soil Sample Analytical Results - SVOCs
Former Merritt Tire Sales / Goodyear DEX #9578
3430 Castro Valley Boulevard
Castro Valley, California

Confirmation Sample ID	Sample Date	Fluoranthene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
Shallow Soil ESL (mg/kg)		40	0.25	2.8	11	85
EX-7	08/14/12	<0.67	1.7	1.1	<0.67	<0.67
EX-8	08/16/12	<0.33	2.4	1.6	0.37	0.38
EX-9	08/16/12	<0.33	0.89	0.71	<0.33	<0.33
EX-10	08/16/12	0.35	3.5	2.3	0.47	0.56

Notes:

SVOCs = Semi-Volatile Organic Compounds analyzed by EPA Method 8270C

All soil concentrations measured in milligrams per kilogram (mg/kg)

ESL = Environmental Screening Levels from California Regional Water Quality Control Board San Francisco Bay Region - Shallow Soils (<3 meters bgs) where Groundwater is a Current or Potential Source of Drinking Water for Commercial and Industrial Areas - November 2007 (Revised May 2008)

< = concentration is below laboratory reporting limit (RL)

Bold numbers denote concentration levels at or above San Francisco Bay Regional Water Quality Control Board ESLs

TABLE 5
Groundwater Analytical Results
Former Merritt Tire Sales/Goodyear DEX #9578
3430 Castro Valley Blvd.,
Castro Valley, California

Groundwater Monitoring Well ID	Sample Date	TPH as Gasoline (µg/L)	TPH as Diesel (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Lead (µg/L)	1,2-Dichloroethane (EDC) (µg/L)	Ethylene Dibromide (µg/L)
Shallow Soil ESL (µg/L)		100	100	NE	1.0	40	30	20	5.0	2.5	0.5	NE
Deep Soil ESL (µg/L)		100	100	NE	1.0	40	30	20	5.0	2.5	0.5	NE
MW-1	08/21/12	<21	<24	<1,400	<0.25	<0.17	<0.070	<0.49	<0.069	<2.3	<0.077	<0.075
MW-2	08/21/12	<21	<24	<1,400	<0.25	<0.17	<0.070	<0.49	<0.069	<2.3	<0.077	<0.075
MW-4	08/21/12	<21	<24	<1,400	<0.25	<0.17	<0.070	<0.49	<0.069	<2.3	<0.077	<0.075
MW-5	08/21/12	<21	<24	1,700 ^J	<0.25	<0.17	<0.070	<0.49	0.17 ^J	8.1	<0.077	<0.075

Notes:

µg/L = micrograms per Liter

NE = No established ESL values

ESL = Environmental Screening Levels from California Regional Water Quality Control Board San Francisco Bay Region - Shallow Soils (<3 meters bgs) and Deep soils (>3 meters bgs) where Groundwater is a Current or Potential Source of Drinking Water for Commercial and Industrial Areas - November 2007 (Revised May 2008)

TPH = Total petroleum hydrocarbons

TPH as Gasoline = analyzed by LUFT GC/MS 8260B

TPH as Diesel = analyzed by EPA Method 8015B

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

BTEX compounds = analyzed by EPA Method 8260B

MTBE = Methyl tert-butyl ether; analyzed by EPA Method 8260B

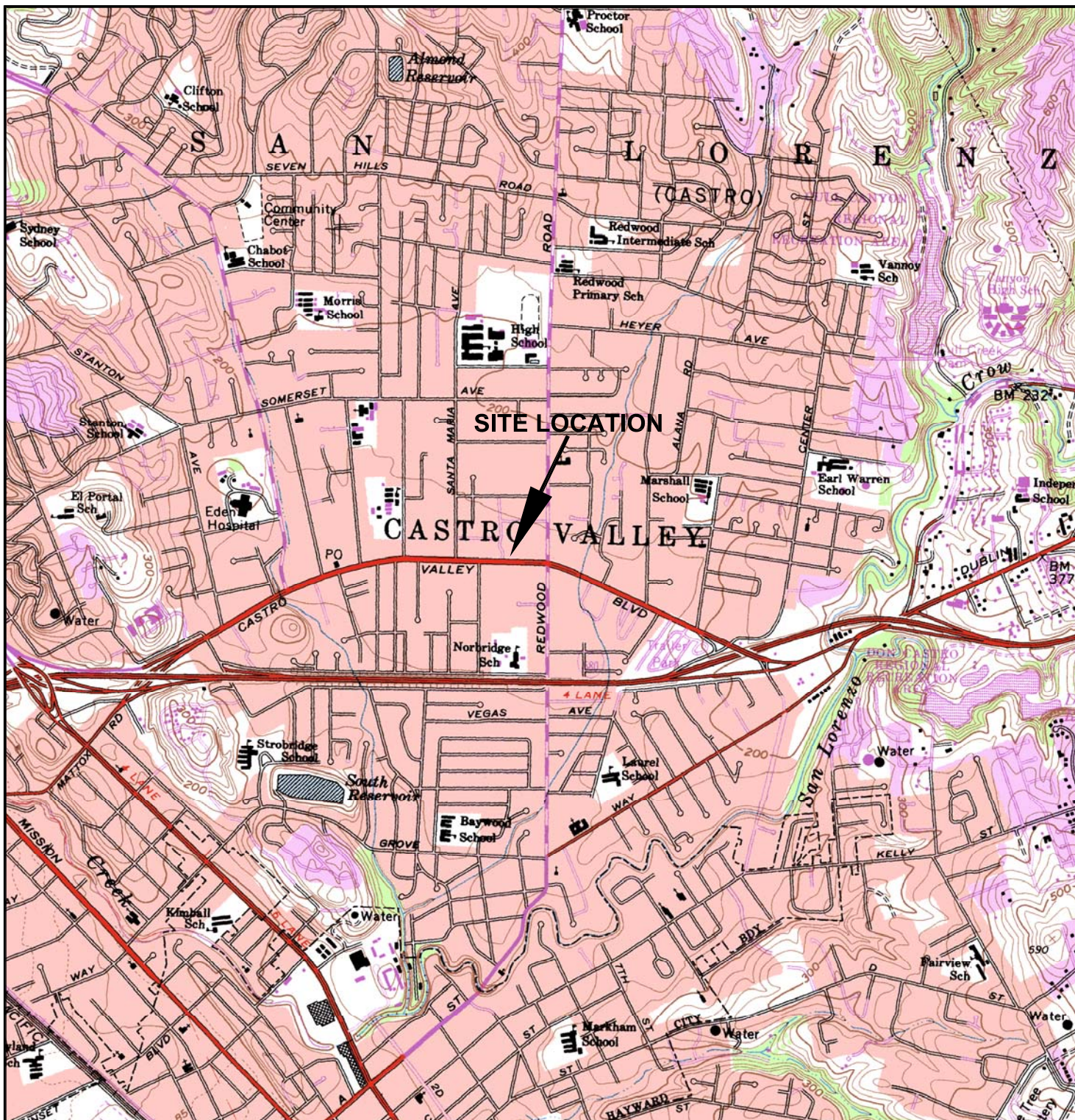
EDC and EDB = analyzed by EPA Method 8260B

^J Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

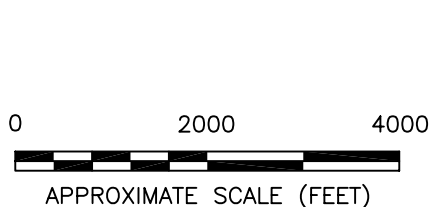
< concentration is below method detection limit (MDL) or laboratory reporting limit (RL) (see analytical reports for details)

Bold numbers denote concentration levels at or above San Francisco Bay Regional Water Quality Control Board ESLs

FIGURES



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



Stantec

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

FOR:
THE GOODYEAR TIRE AND RUBBER CO.

JOB NUMBER:
185701202

DRAWN BY:
KM

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

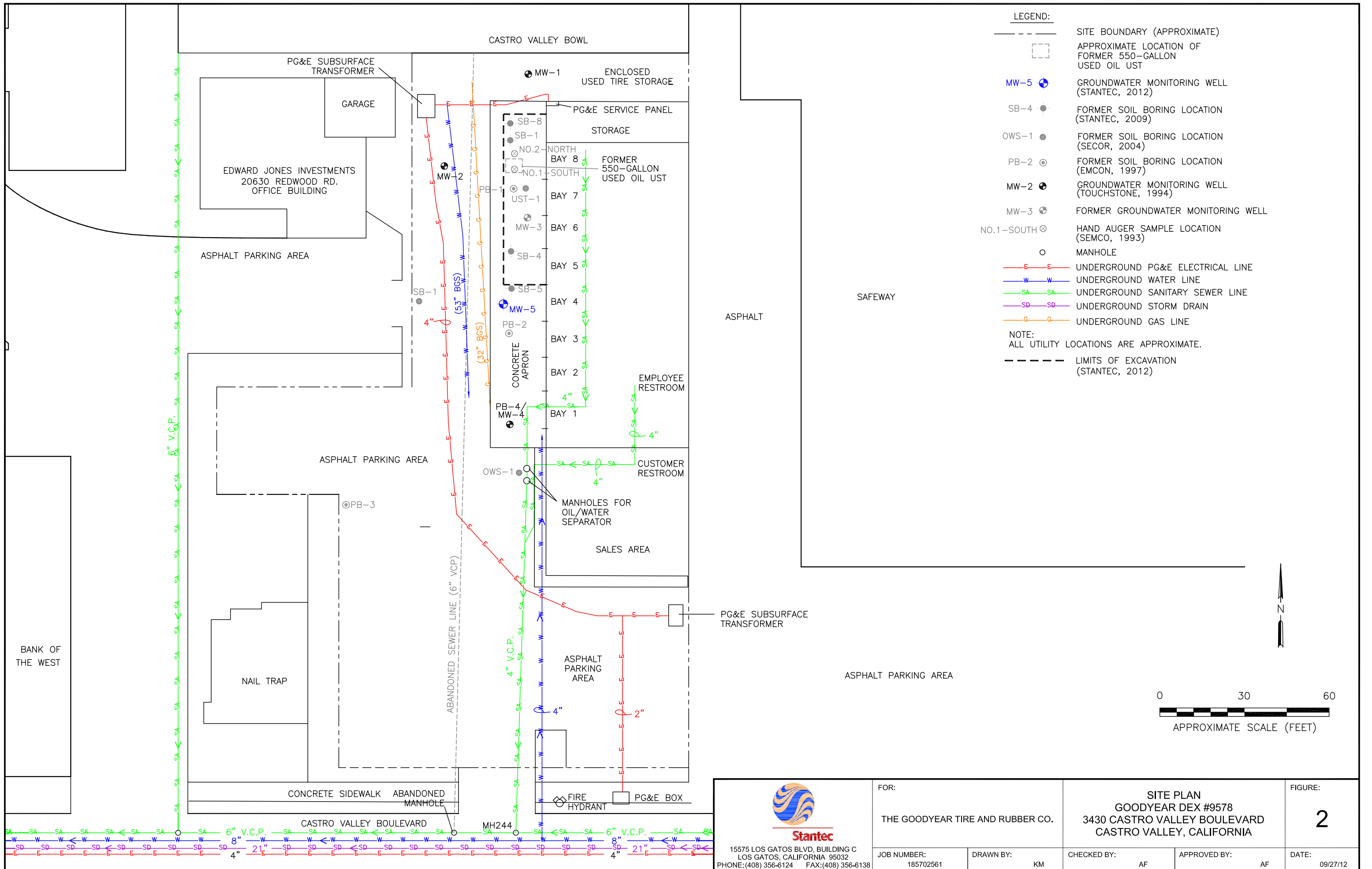
CHECKED BY:
AF

APPROVED BY:
AF

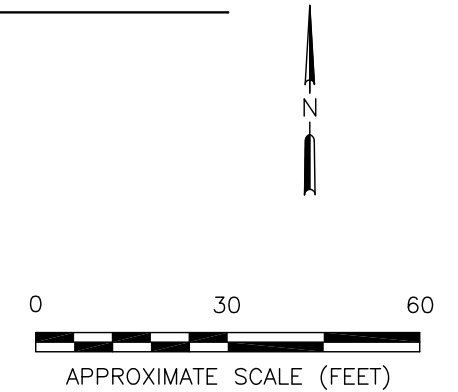
FIGURE:


1

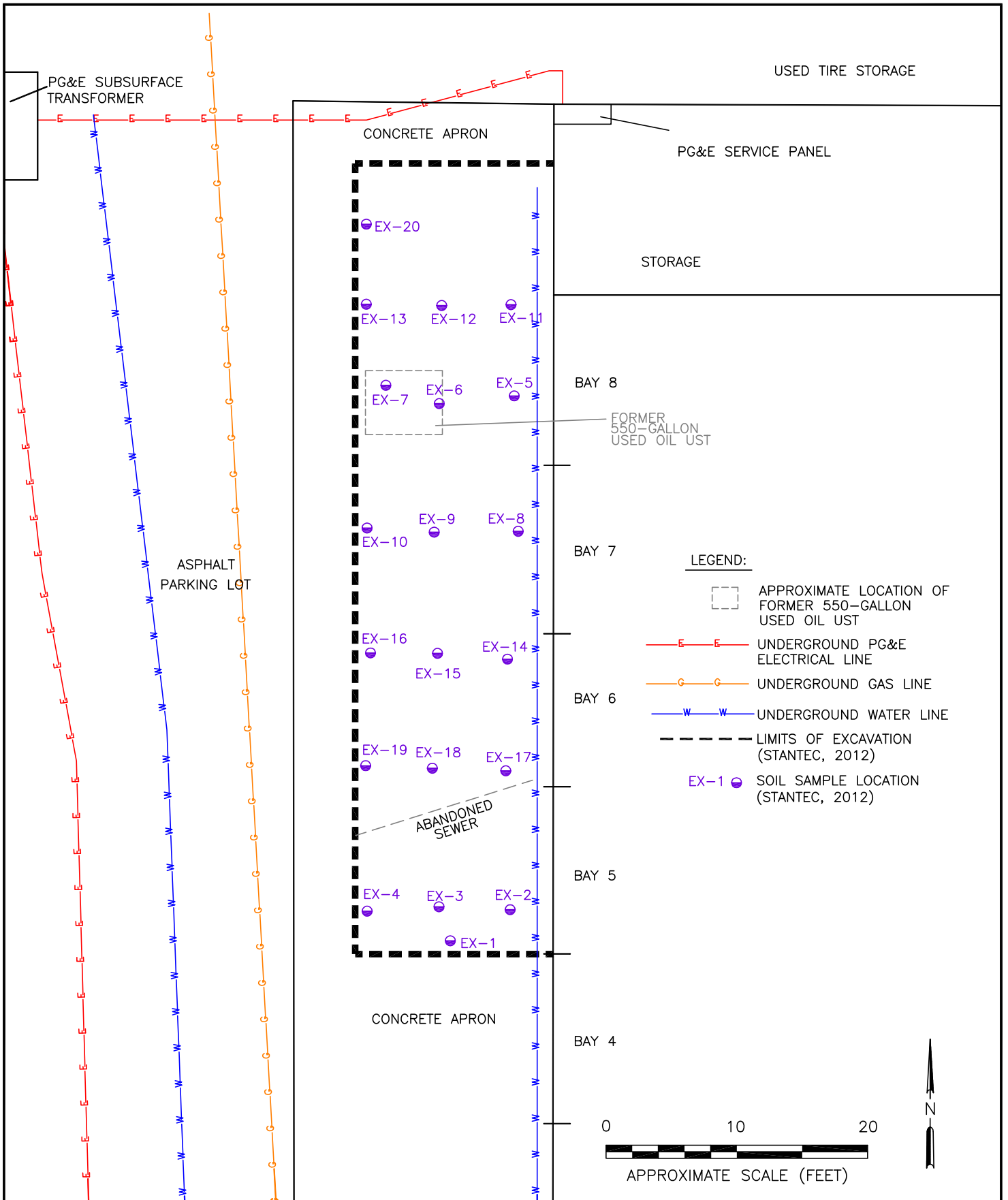
DATE:
06/10/09




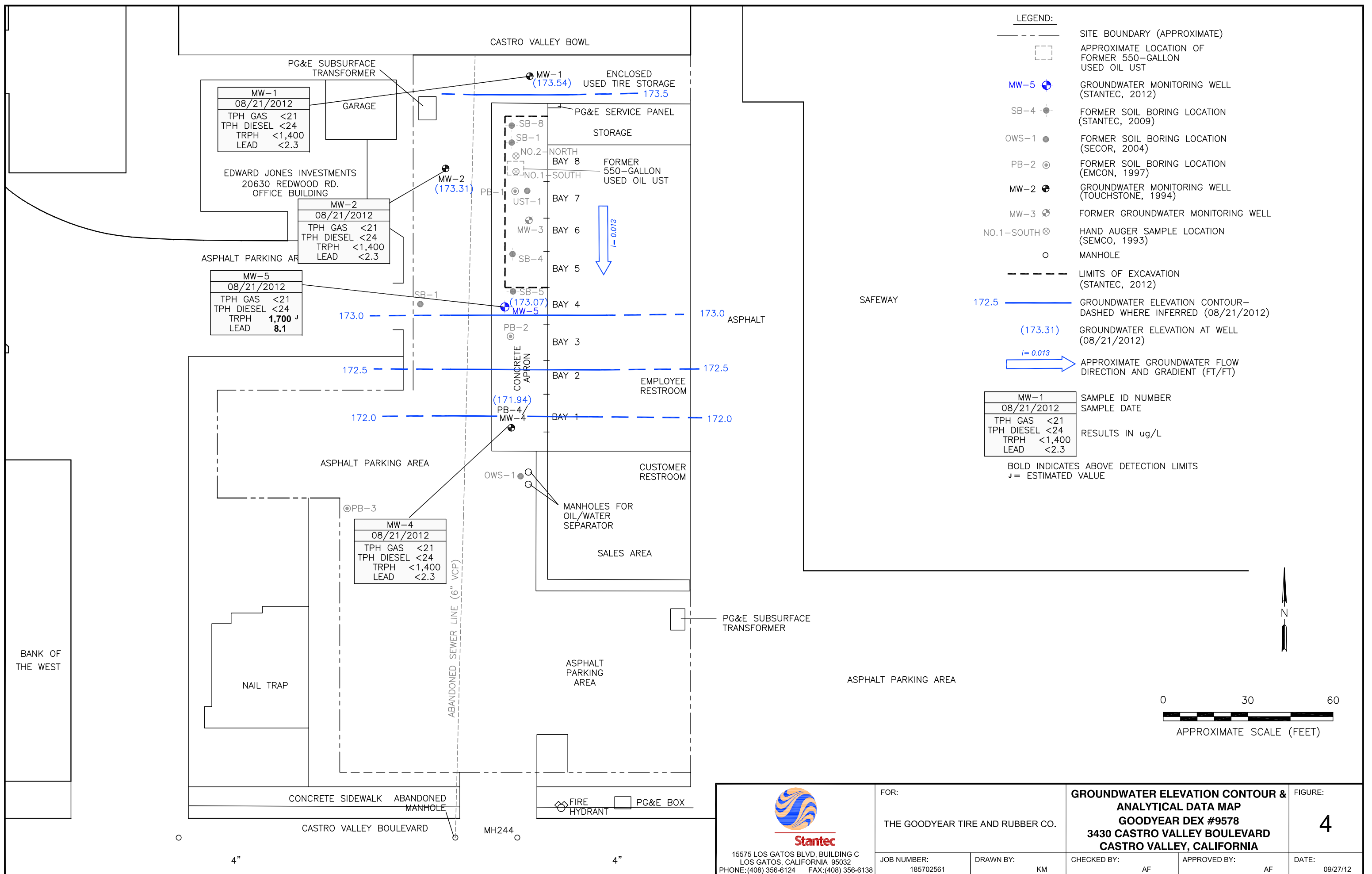
- LEGEND:**
- SITE BOUNDARY (APPROXIMATE)
 - APPROXIMATE LOCATION OF FORMER 550-GALLON USED OIL UST
 - MW-5 ● GROUNDWATER MONITORING WELL (STANTEC, 2012)
 - SB-4 ● FORMER SOIL BORING LOCATION (STANTEC, 2009)
 - OWS-1 ● FORMER SOIL BORING LOCATION (SECOR, 2004)
 - PB-2 ● FORMER SOIL BORING LOCATION (EMCON, 1997)
 - MW-2 ● GROUNDWATER MONITORING WELL (TOUCHSTONE, 1994)
 - MW-3 ● FORMER GROUNDWATER MONITORING WELL
 - NO.1-SOUTH ⊗ 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.
- LIMITS OF EXCAVATION (STANTEC, 2012)



 Stantec 15575 LOS GATOS BLVD, BUILDING C LOS GATOS, CALIFORNIA 95032 PHONE: (408) 356-6124 FAX: (408) 356-6138	FOR:		SITE PLAN GOODYEAR DEX #9578 3430 CASTRO VALLEY BOULEVARD CASTRO VALLEY, CALIFORNIA		FIGURE:
	THE GOODYEAR TIRE AND RUBBER CO.				2
JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:	
185702561	KM	AF	AF	09/27/12	



 <p>15575 LOS GATOS BLVD, BUILDING C LOS GATOS, CALIFORNIA 95032 PHONE: (408) 356-6124 FAX: (408) 356-6138</p>	FOR: THE GOODYEAR TIRE AND RUBBER CO.		EXCAVATION AND CONFIRMATION SOIL SAMPLE LOCATIONS GOODYEAR DEX# 9578 3430 CASTRO VALLEY BOULEVARD CASTRO VALLEY, CALIFORNIA		FIGURE: 3
	JOB NUMBER: 185702561	DRAWN BY: KM	CHECKED BY: AF	APPROVED BY: AF	DATE: 09/27/12



<p>15575 LOS GATOS BLVD, BUILDING C LOS GATOS, CALIFORNIA 95032 PHONE:(408) 356-6124 FAX:(408) 356-6138</p>	FOR:	GROUNDWATER ELEVATION CONTOUR & ANALYTICAL DATA MAP		FIGURE:
	THE GOODYEAR TIRE AND RUBBER CO.	GOODYEAR DEX #9578		4
JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702561	KM	AF	AF	09/27/12

ATTACHMENT A
ACEH WORK PLAN APPROVAL LETTER



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

June 18, 2009

Matthew McClellan
Goodyear Tire & Rubber Company
1144 East Market Street
Akron, OH 44316-0001

Meliisa W. Phillips
Aimee L. West Trust
1352 A Street
Hayward, CA 94541-2927

Subject: Corrective Action Plan Approval for Fuel Leak Case No. RO0000474 and GeoTracker Global ID T0600101801, Merritt Tire Sale, 3430 Castro Valley Boulevard, Castro Valley, CA 94546

Dear Mr. McClellan and Ms. Phillips:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted document entitled, "Corrective Action Work Plan," dated May 14, 2009, which was prepared by Stantec Consulting Corporation for the subject site. Stantec proposes to install up to six direct push borings on ten foot centers along a transect extending down-gradient of the former UST to determine the extent of the proposed excavation, which was selected as the most cost-effective remedial alternative to mitigate the effects of the unauthorized release that had occurred at the site.

The remedial alternative selected presented in the above-mentioned corrective action work plan (CAP) is acceptable. However, public participation is a requirement for the CAP process. Therefore, ACEH will notify potentially affected stakeholders who live or own property in the surrounding area of the proposed remediation described in the "Corrective Action Work Plan" through mailing of a fact sheet (enclosed). Public comments on the proposed remediation will be accepted for a period of thirty days beginning Monday, June 22, 2009 through Wednesday, July 22, 2009. Following the public comment period, the comments received including ACEH's comments described below, must be addressed and incorporated into a Final CAP. Should no comments be received, the "Corrective Action Work Plan" can be implemented without revision provided that the following comments are implemented during the field work.

TECHNICAL COMMENTS

1. **Confirmation Soil Sampling** – Stantec does not propose to collect bottom soil samples because the excavation will be extended into shallow groundwater. ACEH is concerned that if soil samples from the bottom are not collected, it will be difficult to determine whether

residual source material has been removed or remains at the site. Therefore, the proposed remediation alternative can be implemented provided that bottom samples are collected in addition to the proposed sidewall samples to delineate the vertical extent of soil impact.

2. **Cleanup Levels, Cleanup Goals & Water Quality Objectives** – Stantec proposes “using [San Francisco Bay Regional Water Quality Control Board’s] Environmental Screening Levels (ESLs) as soil and water quality goals to guide remedial activities at the site.” For clarification, please note that soil cleanup levels should ultimately (within a reasonable timeframe) achieve water quality objectives (cleanup goals) for groundwater in accordance with San Francisco Regional Water Quality Control Board Basin Plan. Please include a discussion that provides justification that the proposed cleanup levels will achieve water quality objectives within a reasonable time in the Final CAP.
3. **Groundwater Contaminant Plume Monitoring** – Stantec proposes to install a monitoring well down-gradient of the excavation to monitor post-remediation groundwater conditions and to continue semi-annual groundwater sampling performed during the second and fourth quarters of the year. ACEH concurs with Stantec’s proposal for monitoring well installation, however, we recommend that semi-annual groundwater sampling is conducted during the first and third quarters of the year.

NOTIFICATION OF FIELDWORK ACTIVITIES

Please schedule and complete the fieldwork activities by the date specified below and provide ACEH with at least three (3) business days notification prior to conducting the fieldwork.

TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Paresh Khatri), according to the following schedule:

- **July 22, 2009** – End of 30-day Public Participation Period
- **July 31, 2009** – Final CAP
- **October 29, 2009** – Excavation & Monitoring Well Installation Report
- **Due within 30 Days of Sampling** – Semi-annual Monitoring Report (3rd Quarter 2009)
- **Due within 30 Days of Sampling** – Semi-annual Monitoring Report (1st Quarter 2010)

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "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." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

Mr. McClellan and Ms. Phillips
RO0000474
June 18, 2009, Page 4

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 777-2478 or send me an electronic mail message at paresh.khatri@acgov.org.

Sincerely,

Paresh C. Khatri
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions
Public Participation Fact Sheet
List of Fact Sheet Recipients

cc: Jack Hardin, Stantec Consulting Corporation, 15575 Los Gatos Boulevard, Building C, Los Gatos, CA 95032
Neil Doran, Stantec Consulting Corporation, 15575 Los Gatos Boulevard, Building C, Los Gatos, CA 95032
Donna Drogos, ACEH
Paresh Khatri, ACEH
GeoTracker
File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	ISSUE DATE: July 5, 2005
	REVISION DATE: March 27, 2009
	PREVIOUS REVISIONS: December 16, 2005, October 31, 2005
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

Submission Instructions

- 1) Obtain User Name and Password:
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to dehloptoxic@acgov.org
Or
 - ii) Send a fax on company letterhead to (510) 337-9335, to the attention of My Le Huynh.
 - b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.
- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
 - (i) Note: Netscape and Firefox browsers will not open the FTP site.
 - b) Click on File, then on Login As.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO# use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.



FACT SHEET ON ENVIRONMENTAL ASSESSMENT

RYNCK TIRE & BRAKE (FORMER MERRITT TIRE SALES)

3430 Castro Valley Blvd., Castro Valley, CA 94546

Fuel Leak Case No. RO0000474 and

GeoTracker Global ID T0600101801

ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION

1131 Harbor Bay Parkway, Suite 250

Alameda, CA 94502-6577

(510) 567-6700

FAX (510) 337-9335

Site Remediation Summary

This fact sheet has been prepared to inform community members and other interested stakeholders regarding the status of a proposed soil and groundwater cleanup at the Merritt Tire Sales located 3430 Castro Valley Boulevard, Castro Valley, California. Goodyear Tire & Rubber Company, the lead responsible party for the leaking underground storage tank case is proposing excavation and groundwater pumping as the remediation method to cleanup the site.

Site Background

The site is located on the north side of Castro Valley Boulevard, just west side of Redwood Road. It is bounded on the north by a bowling alley, on the east by Patio Drive, on the south by commercial properties and on the west by Redwood Road. The site currently operates as Rynck Tire and Brake. Land use immediately surrounding the site is commercial.

Remediation Alternative: Excavation with Groundwater Extraction

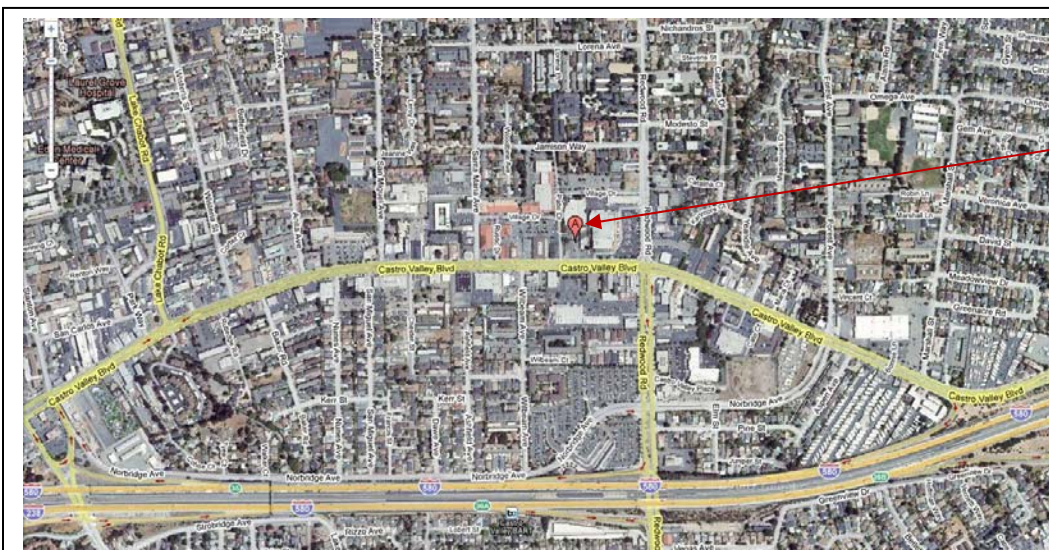
Soil excavation followed by groundwater extraction from the open pit is proposed to cleanup the soil and groundwater contamination at the site. Excavation removes the hydrocarbon contaminants from the soil. Groundwater extraction is proposed to cleanup the groundwater entering the excavation pit. The water in the pit will be pumped out and disposed of off-site to reduce the concentration of hydrocarbon contaminants in the groundwater. Clean backfill material would be imported as necessary to restore the site to match the existing grade. This method is effective because it would remove contaminated soil, which would be confirmed by soil and groundwater sampling and analysis.

Next Step

Goodyear Tire & Rubber Company is working with Alameda County Environmental Health (ACEH) to implement soil and groundwater cleanup at the site. The proposed alternative is described in a report prepared by Stantec Consulting Corporation on behalf of Goodyear Tire & Rubber Company: "Corrective Action Work Plan," dated May 14, 2009. The public is invited to review and comment on the cleanup action proposed in the Report. The electronic report is available for review on ACEH's website (<http://www.acgov.org/aceh/lop/ust.htm>) or the State Water Resources Control Board's GeoTracker website (<http://www.geotracker.waterboards.ca.gov/>). The report and case file are also available for on-line review at ACEH located at 1131 Harbor Bay Parkway in Alameda, California. Please send a fax to 510-337-9335 to request a date and time to review the electronic case file. Please send written comments regarding the corrective action to Paresh Khatri at the address below. All written comments received by **July 22, 2009** will be forwarded to the Responsible Party and will be considered and responded to prior to a final determination on the proposed cleanup.

For Additional information, please contact:

Paresh Khatri	Jack Hardin
Alameda County Environmental Health	Stantec Consulting Corporation
1131 Harbor Bay Parkway, Ste 250	15575 Los Gatos Blvd, Bldg. C
Alameda, CA 94502	Los Gatos, CA 95032
Phone: 510-777-2478	Phone: 408-356-6124
E-mail: paresh.khatri@acgov.org	E-mail: Jack.Hardin@stantec.com



Site:
Goodyear Tire & Rubber
Company located at:
3430 Castro Valley Blvd.
Castro Valley, CA

Remediation proposed:
Excavation with groundwater
extraction and cleanup

Public Comment Period:
June 22 through July 22, 2009

LIST OF FACT SHEET RECIPIENTS

COBURN RALPH G TRUSTEE ETAL
1371 OAKLAND BLVD #200
WALNUT CREEK, CA 94596

RESIDENT
3382 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546

EDEN MANAGERMENTS & PERALTA LAND CO
504 W FIFTH ST
CARSON CITY, CA 89703

RESIDENT
20638 PATIO DR
CASTRO VALLEY, CA 94546

GREENSTEIN MOREY TR & GREENSTEIN MOREY TR
P O BOX 4278
MODESTO, CA 95352

RESIDENT
3446 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546

NAHAS R T COMPANY
260 CALIFORNIA ST, 4TH FL
SAN FRANCISCO, CA 94111

RESIDENT
3385 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546

NAHAS ROBERT T & EVA C TRS
504 W FIFTH ST
CARSON CITY, NV 89703

RESIDENT
3443 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546

PALO ALTO SALINAS SAVINGS & LOAN ASSOCIATION
P.O. BOX 4900
SCOTTSDALE, AZ 85261

RESIDENT
3447 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546

RESIDENT
20629 REDWOOD RD
CASTRO VALLEY, CA 94546

RESIDENT
3461 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546

RESIDENT
20629 REDWOOD RD
CASTRO VALLEY, CA 94546

RUDY J A TRUST
3863 MABEL AVE
CASTRO VALLEY, CA 94546

RESIDENT
20634 PATIO DR
CASTRO VALLEY, CA 94546

SAFEWAY HOLDINGS INC
1371 OAKLAND BLVD #200
WALNUT CREEK, CA 94596

RESIDENT
3410 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546

SCHWENG CHARLES & PATRICIA TRS
4355 MORELAND DR
CASTRO VALLEY, CA 94546

RESIDENT
3430 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546

VANDERWALL MARIAN E TR
2450 ALMADEN ST
TULARE, CA 93274

RESIDENT
3389 VILLAGE DR
CASTRO VALLEY, CA 94546

WEST AIMEE L TR ETAL
1352 A ST
HAYWARD, CA 94541

RESIDENT
3396 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546

ATTACHMENT B
SELECTED PHOTOGRAPHS

**STANTEC CONSULTING SERVICES INC
PHOTOGRAPHIC RECORD**

Client: The Goodyear Tire & Rubber Company | **Job Number:** 185702561
Site Name: 3430 Castro Valley Boulevard, Castro Valley, California

PHOTO No. 1



View of jack hammering of concrete prior to excavation.

PHOTO No. 2



View of removal of concrete prior to excavation.

**STANTEC CONSULTING SERVICES INC
PHOTOGRAPHIC RECORD**

Client: The Goodyear Tire & Rubber Company **Job Number:** 185702561

Site Name: 3430 Castro Valley Boulevard, Castro Valley, California

PHOTO No. 3



View of the excavation activities.

PHOTO No. 4



View of secured excavation during business hours.

**STANTEC CONSULTING SERVICES INC
PHOTOGRAPHIC RECORD**

Client: The Goodyear Tire & Rubber Company **Job Number:** 185702561

Site Name: 3430 Castro Valley Boulevard, Castro Valley, California

PHOTO No. 5



View of the soil stockpile and equipment.

PHOTO No. 6



View of backfilling of excavation.

**STANTEC CONSULTING SERVICES INC
PHOTOGRAPHIC RECORD**

Client: The Goodyear Tire & Rubber Company

Job Number: 185702561

Site Name: 3430 Castro Valley Boulevard, Castro Valley, California

PHOTO No. 7



View of the well casing for groundwater monitoring well MW-5.

PHOTO No. 8



View of completed groundwater monitoring well MW-5.

**STANTEC CONSULTING SERVICES INC
PHOTOGRAPHIC RECORD**

Client: The Goodyear Tire & Rubber Company

Job Number: 185702561

Site Name: 3430 Castro Valley Boulevard, Castro Valley, California

PHOTO No. 9



View of the concrete restoration activities.

PHOTO No. 10



View of the Site after the completion of excavation activities and concrete restoration.

ATTACHMENT C
WELL PERMIT AND WDR FORM

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 08/10/2012 By jamesy

Permit Numbers: W2012-0557
Permits Valid from 08/15/2012 to 08/15/2012

Application Id: 1344379894548
Site Location: 3430 Castro Valley Boulevard
Project Start Date: 08/15/2012
Assigned Inspector: Contact James Yoo at (510) 670-6633 or jamesy@acpwa.org

City of Project Site: Castro Valley

Completion Date: 08/15/2012

Applicant: Stantec Consulting Services Inc. - Alicia Falk
15575 Los Gatos Blvd. Bldg C, Los Gatos, CA 95032

Phone: 408-356-6124 x261

Property Owner: Karen Burlingame
1144 East Market Street D/110F, Akron, OH 44316

Phone: --

Client: ** same as Property Owner **
Contact: Tristan Rhodes

Phone: 408-356-6124 x242
Cell: 925-822-6792

Receipt Number: WR2012-0249 Total Due: \$397.00
Payer Name : Alicia Falk Total Amount Paid: \$397.00
Paid By: MC PAID IN FULL

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 1 Wells
Driller: Woodward Drilling - Lic #: 710079 - Method: hstem

Work Total: \$397.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2012-0557	08/10/2012	11/13/2012	MW-3A	8.00 in.	2.00 in.	6.00 ft	20.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
2. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and

Alameda County Public Works Agency - Water Resources Well Permit

mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

5. Applicant shall contact James Yoo for an inspection time at 510-670-6633 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
 6. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.
 7. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 8. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.
 9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
-

File Original with DWR

Page 1 of 2-3

Owner's Well Number MW-5

Date Work Began 08/15/2012 Date Work Ended 8/15/2012

Local Permit Agency Alameda County Public Works

Permit Number W2012-0557 Permit Date 8/10/12

State of California Well Completion Report

Refer to Instruction Pamphlet
No. xxxxxxxx

DWR Use Only - Do Not Fill In

State Well Number/Site Number	
Latitude	Longitude
APN/TRS/Other	

Geologic Log		
Orientation <input checked="" type="radio"/> Vertical <input type="radio"/> Horizontal <input type="radio"/> Angle Specify _____		
Drilling Method <u>Hollow Stem Auger</u> Drilling Fluid _____		
Depth from Surface	Feet	Description
		Describe material, grain size, color, etc
		See Attached Log
Total Depth of Boring <u>20</u> Feet		
Total Depth of Completed Well <u>20</u> Feet		

Well Owner	
Name	<u>The Goodyear Tire & Rubber Company</u>
Mailing Address	<u>1144 East Market Street</u>
City	<u>Akron</u> State <u>OH</u> Zip <u>44316-0001</u>
Well Location	
Address <u>3430 Castro Valley Boulevard</u>	
City	<u>Castro Valley</u> County <u>Alameda</u>
Latitude	_____ N Longitude _____ W
Datum	Decimal Lat. _____ Decimal Long. _____
APN Book	Page _____ Parcel _____
Township	Range _____ Section _____

Location Sketch	
(Sketch must be drawn by hand after form is printed.)	
North	
	<div style="display: flex; justify-content: space-between; font-size: small;"> West East </div>
South	
Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.	

Activity	
<input checked="" type="radio"/> New Well <input type="radio"/> Modification/Repair <input type="radio"/> Deepen <input type="radio"/> Other _____ <input type="radio"/> Destroy <small style="display: block; margin-left: 20px;">Describe procedures and materials under "GEOLOGIC LOG"</small>	
Planned Uses	
<input type="radio"/> Water Supply <input type="checkbox"/> Domestic <input type="checkbox"/> Public <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="radio"/> Cathodic Protection <input type="radio"/> Dewatering <input type="radio"/> Heat Exchange <input type="radio"/> Injection <input checked="" type="radio"/> Monitoring <input type="radio"/> Remediation <input type="radio"/> Sparging <input type="radio"/> Test Well <input type="radio"/> Vapor Extraction <input type="radio"/> Other _____	

Water Level and Yield of Completed Well	
Depth to first water	<u>14</u> (Feet below surface)
Depth to Static	_____
Water Level	<u>6</u> (Feet) Date Measured <u>08/21/2012</u>
Estimated Yield *	_____ (GPM) Test Type _____
Test Length	_____ (Hours) Total Drawdown _____ (Feet)
*May not be representative of a well's long term yield.	

Casings								Annular Material			
Depth from Surface	Borehole Diameter	Type	Material	Wall Thickness	Outside Diameter	Screen Type	Slot Size if Any	Depth from Surface	Feet to Feet	Fill	Description
7	20	2	Screen	PVC Sch. 40			Milled Slots	0.020	0	5	Cement
									5	6	Bentonite
									6	20	#3 sand

Attachments
<input checked="" type="checkbox"/> Geologic Log <input checked="" type="checkbox"/> Well Construction Diagram <input type="checkbox"/> Geophysical Log(s) <input type="checkbox"/> Soil/Water Chemical Analyses <input checked="" type="checkbox"/> Other <u>Site plan</u>
Attach additional information, if it exists.

Certification Statement	
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief	
Name	<u>Woodward Drilling Co., Inc.</u>
	Person, Firm or Corporation
Address	<u>550 River Rd.</u>
City	<u>Rio Vista</u>
State	<u>CA</u> Zip <u>94571</u>
Signed	Date Signed <u>9/30/2012</u>
	C-57 Licensed Water Well Contractor
	State License Number <u>710079</u>

ATTACHMENT D
WASTE DISPOSAL BILLS OF LADING



REPUBLIC SERVICES

VASCO ROAD LANDFILL, LLC

4001 N. Vasco Road, Livermore, CA 94551

(925) 447-0491

021242

ICS-NORCAL - Exempt acct

4721 TIDEWATER CT., STE. D

OAKLAND, CA 94601

Contract #: 38501214761

27282

SITE	TICKET	GRID
01	301831	0000
DEPUTY WEIGHMASTER		
M PURSELL		
DATE IN		TIME IN
12 September 2012		6:59 am
DATE OUT		TIME OUT
12 September 2012		7:24 am
VEHICLE		
CK11		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

00 Gross Weight 69,720.00 lb.
 Stored Tare Weight 33,960.00 lb.
 Net Weight 36,760.00 lb 18.38 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.38	TN	SW-CONT SOIL-ALT DAILY COVER				

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

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

TENDERED
CHANGE

Driver:

[Signature]

Deputy Weighmaster:

[Signature]



REPUBLIC SERVICE

VASCO ROAD LANDFILL, LLC

4001 N. Vasco Road, Livermore, CA 94551
(925) 447-0491

27492

021242

ICS-NORCAL - Exempt Acct
4721 TIDEWATER CT., STE. D
OAKLAND, CA 94601

Contract# 38501214761

SITE	TICKET	GRID
01	202071	0000
DEPUTY WEIGHMASTER		
FUELLES		
DATE IN		TIME IN
13 September 2013		6:22 am
DATE OUT		TIME OUT
13 September 2013		6:22 am
VEHICLE		
MAYLES		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

Gross Weight	68,780.00 lb	Inbound - SCALE TICKET
Stored Tare Weight	31,340.00 lb	
Net Weight	35,440.00 lb 17.72 TN	

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.72	TN	SW-CONT SOIL-ALT DAILY COVER				

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TENDERED
CHANGE

Driver: _____

CUSTOMER

Deputy Weighmaster: _____



REPUBLIC SERVICES

VASCO ROAD LANDFILL, LLC

4001 N. Vasco Road, Livermore, CA 94551
(925) 447-0491

27560

021242

TCS-NONCAL - Exempt Acct
4721 TIDEWATER CT., STE. D
OAKLAND, CA 94601

Contract: 38501214761

SITE	TICKET	GRID
01	202133	0000
DEPUTY WEIGHMASTER		
JUELLES		
DATE IN	TIME IN	
13 September 2012	9:25 am	
DATE OUT	TIME OUT	
13 September 2012	9:25 Am	
VEHICLE		
TAST7		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

00 Gross Weight 63,140.00 lb
 Stored Tare Weight 30,740.00 lb
 Net Weight 32,400.00 lb 15.20 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.20	TN	SW-COAT SOIL-ALT DAILY COVER				4.00 95.00

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TENDERED
CHANGE

Driver: _____

Deputy Weighmaster: _____

CUSTOMER



REPUBLIC SERVICES
VASCO ROAD LANDFILL, LLC

4001 N. Vasco Road, Livermore, CA 94551
 (925) 447-0491

27530

021242

ICS-NORCAL - Exempt Acct
 4021 YIDEMATER CT., STE. D
 OAKLAND, CA 94601

Contract: 38501214761

SITE	TICKET	GRID
01	302107	0000
DEPUTY WEIGHMASTER		
T UELLES		
DATE IN		TIME IN
13 September 2012		8:22 am
DATE OUT		TIME OUT
13 September 2012		8:23 am
VEHICLE		
M1155		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

00 Gross Weight	60,240.00 lb	
Stored Tare Weight	31,340.00 lb	Inbound - SCALE TICKET
Net Weight	28,900.00 lb	14.45 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.45	TN	SM-CONT SOIL-WLT DAILY COVER				

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

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TENDERED
CHANGE

Driver: _____

Deputy Weighmaster: _____



REPUBLIC SERVICES

VASCO ROAD LANDFILL, LLC

4001 N. Vasco Road, Livermore, CA 94551

(925) 447-0491

27494

021242

LOS-NORCAL - Exempt Acct

4721 TIDEWATER CT., STE. 0

OAKLAND, CA 94601

Contract: 38501214741

SITE	TICKET	GRID
01	303073	0000
DEPUTY WEIGHMASTER		
TUELLES		
DATE IN		TIME IN
13 September 2012		6:26 am
DATE OUT		TIME OUT
13 September 2012		6:26 am
VEHICLE		
ATOS		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

Gross Weight	73,480.00 lb.	Inbound - SCALE TICKET
Stored Tare Weight	34,740.00 lb.	
Net Weight	38,740.00 lb 19.37 TN	

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.37	TN	SUB-CONT SOIL -ALY DAILY COVER				

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

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TENDERED
CHANGE

Driver: A. J.

Deputy Weighmaster: [Signature]

CUSTOMER



REPUBLIC SERVICES
VASCO ROAD LANDFILL, LLC

4001 N. Vasco Road, Livermore, CA 94551
 (925) 447-0491

27491

021242

LD4-NONCAL - Exempt acct
 4921 TIDEWATER CT., STE. 0
 OAKLAND, CA 94601

Contract: 38501214761

SITE	TICKET	GRID
01	202079	0000
DEPUTY WEIGHMASTER		
F. VILLER		
DATE IN	TIME IN	
13 September 2012	6:20 AM	
DATE OUT	TIME OUT	
13 September 2012	6:20 AM	
VEHICLE		
KALLES		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

Gross Weight: 67,720.00 lb.
 Stored Tare Weight: 31,040.00 lb.
 Net Weight: 36,680.00 lb 18.34 TN
 Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.34	TN	SW-CONT SOIL-ALT DAILY COVER				

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

WEIGHMASTER CERTIFICATE
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TENDERED
CHANGE

Driver: [Signature]

Deputy Weighmaster: [Signature]

CUSTOMER



REPUBLIC SERVICES
VASCO ROAD LANDFILL, LLC
 4001 N. Vasco Road, Livermore, CA 94551
 (925) 447-0491

27501

021242
 TCS-NORDCAL - Exempt Adct
 4721 TIDEWATER CT., STE. D
 OAKLAND, CA 94601

Contract# 38501214761

SITE	TICKET	GRID
01	202050	0000
DEPUTY WEIGHMASTER		
J VILLES		
DATE IN	TIME IN	
13 September 2012	6:32 am	
DATE OUT	TIME OUT	
13 September 2012	6:32 am	
VEHICLE		
KT42		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

Gross Weight 69,080.00 lb
 Stored Tare Weight 29,960.00 lb
 Net Weight 39,120.00 lb 19.56 TN
 Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.56	TN	SW-CONT SOIL-ALT DAILY COVER				

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TENDERED
CHANGE

Driver: K. A. [Signature]

Deputy Weighmaster: [Signature]

CUSTOMER



REPUBLIC SERVICES

VASCO ROAD LANDFILL, LLC

4001 N. Vasco Road, Livermore, CA 94551

(925) 447-0491

27495

021242

105-NORCAL - Exempt Acct

4251 TIDEWATER CT., STE. 0

OAKLAND, CA 94601

Contract: 08501214761

SITE	TICKET	GRID
01	201074	0000
DEPUTY WEIGHMASTER		
J VELLEZ		
DATE IN	TIME IN	
13 September 2012	6:27 am	
DATE OUT	TIME OUT	
13 September 2012	6:27 am	
VEHICLE		
TAS17		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

Gross Weight	64,360.00 lb	
Stored Tare Weight	30,740.00 lb	Inbound - SCALE TICKET
Net Weight	33,620.00 lb	16.81 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.81	TN	SW-CONT SOIL-ALT DAILY COVER				

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Driver: _____

CUSTOMER

WEIGHMASTER CERTIFICATE

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Deputy Weighmaster: _____

TENDERED
CHANGE



REPUBLIC SERVICES
VASCO ROAD LANDFILL, LLC
 4001 N. Vasco Road, Livermore, CA 94551
 (925) 447-0491

W1242
 LOS-NORCAL - Exempt Acct
 4001 FIDELMATER CT., STE. D
 OAKLAND, CA 94601

Contract: 38501214761

27637

SITE	TICKET	GRID
01	200300	0000
DEPUTY WEIGHMASTER		
J. VILLES		
DATE IN	TIME IN	
12 September 2012	12:26 pm	
DATE OUT	TIME OUT	
13 September 2012	12:48 pm	
VEHICLE		
BIAI		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

90 Gross Weight 90,960.00 LB Tare Weight 29,540.00 LB Net Weight 51,420.00 LB 25.71 TN	Inbound - SCALE TICKET
--	------------------------

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
25.71	TN	SW-COINT SOIL -ALT DAILY COVER				

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

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TENDERED
CHANGE

Driver: Ron B...

Deputy Weighmaster: J. Villes

CUSTOMER



REPUBLIC SERVICES
VASCO ROAD LANDFILL, LLC
 4001 N. Vasco Road, Livermore, CA 94551
 (925) 447-0491

27268

021246
 IUS-NOPCAL - Exempt Acct
 4211 TIDEWATER CT., STE. D
 OAKLAND, CA 94601

Contract# 38501314761

SITE	TICKET	GRID
01	201867	0000
DEPUTY WEIGHMASTER		
M PURSELL		
DATE IN		TIME IN
12 September 2012		6:47 am
DATE OUT		TIME OUT
12 September 2012		7:08 am
VEHICLE		
DE105		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

00 Gross Weight 64,140.00 lb.
 Tare Weight 31,940.00 lb.
 Net Weight 32,200.00 lb 14.10 TN
 Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.10	TN	SM-COINT SOIL - 24" DAILY COVER				

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

Driver: _____

CUSTOMER

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Deputy Weighmaster: _____

TENDERED
CHANGE



REPUBLIC SERVICES
VASCO ROAD LANDFILL, LLC
 4001 N. Vasco Road, Livermore, CA 94551
 (925) 447-0491

27269

081242
 ICS-NORCAL - Exempt Acct
 4721 TIDEWATER CT., STE. D
 OAKLAND, CA 94601

Contract: 38501714761

SITE	TICKET	GRID
01	201309	0000
DEPUTY WEIGHMASTER		
M PURSELL		
DATE IN		TIME IN
12 September 2012		6:49 AM
DATE OUT		TIME OUT
12 September 2012		7:10 AM
VEHICLE		
M192		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

00 Gross Weight	68,560.00 LB	Inbound - SCALE TICKET
Tare Weight	32,020.00 LB	
Net Weight	36,540.00 LB 18.42 TN	

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.42	TN	SM-CONT SOIL-ALT DAILY COVER				

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

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TENDERED
CHANGE

Driver: _____

Deputy Weighmaster: _____



REPUBLIC SERVICES
VASCO ROAD LANDFILL, LLC
 4001 N. Vasco Road, Livermore, CA 94551
 (925) 447-0491

27276

0201242

ILS-NORCAL - Exempt Acct
 4721 TIDEMAKER CT., STE. D
 OAKLAND, CA 94601

Contract: 33501214761

SITE	TICKET	GRID
01	201275	0000
DEPUTY WEIGHMASTER		
M PURSELL		
DATE IN	TIME IN	
12 September 2012	6:57 am	
DATE OUT	TIME OUT	
12 September 2012	7:19 am	
VEHICLE		
HS103		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

00 Gross Weight	71,080.00 lb	
Tare Weight	31,400.00 lb	Inbound - SCALE TICKET
Net Weight	39,680.00 lb	19.94 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.94	TN	SM-CONT SOIL-AL / DAILY COVER				

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TENDERED
CHANGE

Driver: Harry

Deputy Weighmaster: [Signature]



REPUBLIC SERVICES
VASCO ROAD LANDFILL, LLC

1001 N. Vasco Road, Livermore, CA 94551
 (925) 447-0491

27274

021342

LOS-NORCAL - Exempt Acct
 4721 TIDEWATER CT., STE. D
 OAKLAND, CA 94601

Contract: 38501214761

SITE	TICKET	GRID
01	201573	0000
DEPUTY WEIGHMASTER		
M FURSELL		
DATE IN		TIME IN
12 September 2012		6:52 am
DATE OUT		TIME OUT
12 September 2012		7:16 am
VEHICLE		
APP9		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

00 Gross Weight 73,940.00 lb
 Stored Tare Weight 34,740.00 lb
 Net Weight 39,200.00 lb 19.60 TN
 Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.60	TN	SW-CONT SOIL-ALT DAILY COVER				

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

Driver: A. J.

WEIGHMASTER CERTIFICATE

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Deputy Weighmaster: [Signature]

TENDERED
CHANGE



REPUBLIC SERVICES
VASCO ROAD LANDFILL, LLC

4001 N. Vasco Road, Livermore, CA 94551
 (925) 447-0491

021242

LOS-NORCAL - Exempt Acct
 4221 TIDEWATER CT., STE. D
 OAKLAND, CA 94601

Contract: 38501214761

27281

SITE	TICKET	GRID
01	201880	0000
DEPUTY WEIGHMASTER		
M FURSELL		
DATE IN	TIME IN	
12 September 2012	6:56 am	
DATE OUT	TIME OUT	
12 September 2012	7:23 am	
VEHICLE		
KALLES		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

01 Gross Weight 68,520.00 lb
 Tare Weight 31,040.00 lb
 Net Weight 37,480.00 lb 18.74 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.74	TN	SU-CONT SOIL-ALT DAILY COVER				

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

Driver: _____

CUSTOMER

WEIGHMASTER CERTIFICATE
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Deputy Weighmaster: _____

TENDERED
CHANGE



REPUBLIC SERVICES

VASCO ROAD LANDFILL, LLC

4001 N. Vasco Road, Livermore, CA 94551

(925) 447-0401

021242

ICS-NOREAL - Exempt Acct
4721 TIDEWATER CT., STE. D
OAKLAND, CA 94601

Contract # 38501214761

27272

SITE	TICKET	GRID
01	201570	0000
DEPUTY WEIGHMASTER		
M. PURSELL		
DATE IN		TIME IN
12 September 2012		6:54 am
DATE OUT		TIME OUT
12 September 2012		7:13 am
VEHICLE		
MATTIS		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

01 Gross Weight 39,500.00 lb
 Stored Tare Weight 31,340.00 lb
 Net Weight 38,160.00 lb 19.08 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	DATE	EXTENSION		
19.08	TN	RECLAIMS SOIL-ALT DAILY COVER				
		TRANS ICS				

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

Driver: _____

CUSTOMER

WEIGHMASTER CERTIFICATE

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Deputy Weighmaster: _____

TENDERED

CHANGE



REPUBLIC SERVICES
VASCO ROAD LANDFILL, LLC

4001 N. Vasco Road, Livermore, CA 94551
 (925) 447-0491

27271

021242

ICS-NORCAL - Exempt Acct.
 4721 TIDEWATER CT., STE. D
 OAKLAND, CA 94601

Contract: 38501214761

SITE	TICKET	GRID
01	201870	0000
DEPUTY WEIGHMASTER		
M PURSELL		
DATE IN		TIME IN
12 September 2012		6:51 am
DATE OUT		TIME OUT
12 September 2012		7:11 am
VEHICLE		
TRUCK		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

01 Gross Weight 68,580.00 lb
 Stored Tare Weight 32,540.00 lb
 Net Weight 36,040.00 lb 18.02 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	DATE	EXTENSION	SCALE	TARE
18.02	TN	SW-CONT SOIL-ALT DAILY COVER				

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

Driver: _____

[Signature]

WEIGHMASTER CERTIFICATE

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

Deputy Weighmaster: _____

[Signature]

TENDERED
CHANGE



REPUBLIC SERVICES
VASCO ROAD LANDFILL, LLC

4001 N. Vasco Road, Livermore, CA 94551
 (925) 447-0491

001242

LOS-NORCAL - Exempt Acct

4721 TIDEWATER CT., STE. 4
 OAKLAND, CA 94601

Contract #: 30501214761

27273

SITE	TICKET	GRID
01	201273	0000
DEPUTY WEIGHMASTER		
M. FURSELL		
DATE IN	TIME IN	
12 September 2012	6:49 am	
DATE OUT	TIME OUT	
12 September 2012	7:15 am	
VEHICLE		
BLK3		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

01 Gross Weight 69,460.00 lb.
 Tare Weight 32,200.00 lb.
 Net Weight 37,260.00 lb 18.63 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION
18.63	TN	SW-CONT SOIL-ALT DAILY COVER		

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

Driver:

Handwritten signature
 CUSTOMER

WEIGHMASTER CERTIFICATE

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

Deputy Weighmaster:

Handwritten signature

TENDERED

CHANGE



REPUBLIC SERVICES

VASCO ROAD LANDELL, LLC

4001 N. Vasco Road, Livermore, CA 94551

(925) 447-0491

021242

ICS-NORCAL - Exempt Acct.

4721 TIDEWATER CT., STE. D
OAKLAND, CA 94601

Contract: 38501214761

27278

SITE	TICKET	GRID
01	201077	0000
DEPUTY WEIGHMASTER		
M. RUESELL		
DATE IN		TIME IN
12 September 2012		6:54 am
DATE OUT		TIME OUT
12 September 2012		7:20 am
VEHICLE		
TACT7		
REFERENCE	ORIGIN	
	CASTRO VALLEY	

00 Gross Weight 61,000.00 lb
 Stored Tare Weight 30,740.00 lb
 Net Weight 30,260.00 lb 15.13 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.13	TN	SW-CONT SOIL-ALT DAILY COVER		12-461		40 95.00 250.00

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

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

TENDERED
CHANGE

Driver: _____

Deputy Weighmaster: _____

ATTACHMENT E
OXYGEN RELEASE COMPOUND MSDS



REGENESIS

Oxygen Release Compound (ORC[®])

Installation Instructions

(Excavation Applications)

SAFETY:

Pure ORC is shipped to you as a fine powder, which is rated at -325 mesh (passes through a 44 micron screen). It is considered to be a mild oxidizer and as such should be handled with care while in the field. Field personnel should take precautions while applying the pure ORC. Typically, the operator should work up wind of the product as well as use appropriate safety equipment. These would include eye, respiratory protection and gloves as deemed appropriate by exposure duration and field conditions.

Although two options are discussed, application of ORC should never be applied by personnel within the tank excavation, unless proper shoring or sidewall cutback is in place.

GENERAL GUIDELINES:

ORC can be applied in a dry powder form or as a slurry. Field conditions dictate which form of ORC can be used most effectively.

Installation of ORC should be within the tank excavation floor and/or in an adequate backfill section thickness to account for the anticipated groundwater "smear zone".

Maximum treatment effect is obtained when ORC is mixed as thoroughly as possible within the backfill material. The more dispersed the ORC slurry/powder within the excavation backfill, the more effective the treatment.

The quantity of ORC to be used is generally calculated prior to moving into the field for installation. Generally it is applied at a rate of between 0.1% and 1.0% by weight of the soil matrix. The following illustrates a dilute application rate calculation:

Use a weight/weight percent of ORC/backfill material to ensure distribution of the ORC into the desired aquifer section. For example: a 0.15% weight of ORC to weight of backfill for the standard ORC weight (30 pounds) per container calculates as follows: $30 \text{ lb. ORC} / 0.15\% = 20,000 \text{ lbs. of soil matrix}$. Thus, to achieve a 0.15% mixture of ORC in the backfill material, 30 lb. of pure ORC should be mixed into 10 tons (20,000 lbs. ÷ 2,000 lbs./ton) of backfill, or approximately 7 - 10 cubic yards of soil depending on field conditions. Professional judgment should be used to select the appropriate soil mass per cubic yard for designing each site treatment.

CHOOSING THE FORM OF INSTALLATION:

Pure ORC is shipped to you in a powder form. Weather conditions (especially wind) may have a direct effect on the application of ORC as a tank backfill amendment.

Application of the dry powder may be difficult in windy conditions. To counter the effects of wind (and the subsequent potential loss of ORC), Regenesi recommends that a water source or a spray tank be on-site to wet down the ORC and the backfill material as ORC is applied.

Application of ORC in a slurry format is a very effective method and eliminates the wind issue.

Four somewhat different installation conditions can be encountered in the field:

- ORC in a pea gravel back-fill. (“Type 1”)
- ORC in a soil back-fill. (“Type 2”)
- ORC mixed in native soil in the bottom of a tank pit. (“Type 3”)
- ORC installed in soil under standing water in the bottom of a tank pit. (“Type 4”)

A single tank pit excavation can include more than one of these conditions, depending on the site and extent of treatment. Instructions for each condition are discussed separately in the following sections. After the installation instructions are detailed instructions for mixing the slurry, if that is the option chosen.

INSTALLATION INSTRUCTIONS:

“Type 1,” ORC in a Pea Gravel Back-fill

The easiest method for installing ORC in pea gravel back-fill is to mix the ORC in the material in a backhoe or skiploader bucket before placing it in the excavation.

- **Dry Powder method**

Into each scoop of back-fill material add the appropriate portion of ORC being installed. Generally, it is advisable to moisten the material in the bucket to reduce wind blown ORC loss. Excessive winds make this method not feasible.

After mixing the dry powder in the bucket, it is dumped into the bottom of the excavation. The backhoe bucket can be used for further mixing in the excavation.

- **Slurry method**

Mix a 63% solids slurry of ORC and water (see “Steps to make ORC slurry”). This relatively thick slurry is used to help keep the ORC dispersed through the pea gravel, even when it contacts water in the bottom of the excavation during installation. It is generally desirable to avoid having the ORC run down through the pea gravel and collect in the bottom of the excavation. The thick slurry addresses this issue.

In each scoop of back-fill material, add the appropriate amount of ORC slurry. Pre-mix the materials in the backhoe bucket. After mixing, dump the slurry and back-fill into the bottom of the excavation. The backhoe bucket can be used for further mixing in the

excavation.

If the slurry method is being used, observe the physical behavior of the ORC in the fill material. If the ORC collects at the bottom of the back-fill material, increase the percent solids content by reducing the amount of water being used to make the slurry.

“Type 2,” ORC in a Soil Back-fill

Follow the instructions for the pea gravel back-fill method, except:

If the slurry method is being used, the solids content should be reduced. Typically a 50% solids is appropriate, although soil conditions sometimes dictate lower solids contents (see “Steps to make ORC slurry”).

“ Type 3,” ORC Mixed in Native Soil in the Bottom of the Tank Pit

When ORC is added to the bottom of a tank pit it may be done by backhoe or injection.

CAUTION: Personnel should never work within the tank excavation, unless proper shoring or sidewall cutback is in place.

- **Backhoe method**

A skilled backhoe operator can distribute the ORC around the bottom of the tank excavation and, using the bucket, mix it thoroughly. If there are no winds, it may be possible to:

1. Put the dry ORC powder in the backhoe bucket,
2. Lower it to the bottom of the pit,
3. Gently deposit the ORC evenly on the remaining soil,
4. Use the bucket to mix the powder into the soil,
5. To mitigate dusting, if necessary, spray water into the excavation during the process.

An alternative backhoe method is to use a 50% (or less) solids ORC slurry (see “Steps to make ORC slurry) in place of the dry powder. This eliminates the dusting problem, and in some cases enhances the even distribution of ORC into the soil. Observe the slurry mixing behavior in the bottom of the excavation, and adjust the water content of the slurry to optimize mixing, if necessary.

- **Injection method**

If available, a pump and root feeder may be used to inject an ORC slurry into the excavation floor. This may require a more dilute slurry mix, and care should be taken to assure that the solids do not settle out of the slurry prior to injection.

“ Type 4.” ORC installed in standing water in the bottom of a tank pit

Application of ORC into tank excavations with standing water requires the operator apply ORC in a slurry form. ORC powder application in this scenario is not advised because a portion of the ORC particle fraction is not likely to pass through the surface tension of the standing water. Caution: Personnel should never work within the tank excavation, unless proper shoring or sidewall cutback is in place.

- **Backhoe method**

A skilled backhoe operator can distribute the ORC slurry within the excavation, and mix it into the soil underlying the standing water with the bucket. Steps for installation:

1. Mix a high solids content ORC slurry (63% solids). See (“Steps to make ORC slurry”).
2. Pour slurry into the backhoe bucket.
3. Lower the bucket to the standing water level in the excavation, and deposit the slurry as evenly as possible across the excavation floor. The dense slurry (63% solids is 1.6 grams per ml) will tend to make the majority of the slurry sink quickly to the bottom of the water layer.
4. Use the bucket to mix the slurry into the soil.
5. Water in the vicinity of the ORC slurry will often turn white and milky, since some of the ORC is dispersed within the standing water. This provides additional dispersion within the standing water and back-fill material as it is added to the excavation.

- **Injection method**

If available, a pump and root feeder may be used to inject an ORC slurry into the soil in an excavation. This may require a more dilute slurry mix, and care should be taken to assure that the solids do not settle out of the slurry prior to injection.

MIXING ORC SLURRY:

ORC powder is shipped to you in pre-measured batches. Each batch is contained in a plastic bag which is shipped in a 5-gallon bucket.

Remove the pre-measured ORC bag from the 5-gallon bucket and open
 Measure and pour the appropriate amount of water from the following table into the 5 gallon bucket

Slurry Solids Content (%)	Pounds of ORC	Gallons of Water
63%	30 lbs.	2.1 gal. (2 gal. + 2 cups)
50%	30 lbs.	3.6 gal. (3 gal + 2 1/2 qts.)

Add the entire ORC pre-measured bag to the water (30 pounds). If the slurry solids contents of less than 50% are desired, the quantity of ORC per batch mixed in the bucket must be reduced. For example, a bucket containing four gallons of water would require 22.4 pounds of ORC to make a 40% solids slurry, and 16.6 pounds of ORC to make a 33% slurry.

Use an appropriate mixing device to thoroughly mix ORC and water. Regenesis

recommends use of a 0.5 Horsepower (minimum) hand held drill with a “jiffy mixer” or stucco mixer. A common paint paddle can be used to scrape the bottom and sides of the container to ensure thorough mixing. Standard environmental slurry mixers may also be used.

After mixing, small amounts of water can be added to adjust the consistency of the slurry.

When slurries are used, the early batches should be observed in the process of mixing with the soil. Each site can vary, due to soil type and moisture content. Based on professional judgment, additional water can be added to subsequent slurry batches.

ORC slurry should be used ASAP; if the ORC slurry has been standing more than 15 minutes, it should be remixed immediately before using. Do not let stand more than 30 minutes without stirring. Otherwise, the slurry will begin to harden into a weak cement.

For direct assistance or answers to any questions you may have regarding these instructions, contact Regenesi s Technical Services at 949-366-8000.

REGENESIS, 2002
www.regenesis.com

Oxygen Release Compound – Advanced (ORC *Advanced*TM)
MATERIAL SAFETY DATA SHEET (MSDS)

Last Revised: March 13, 2007

Section 1 - Material Identification

Supplier:



REGENESIS

1011 Calle Sombra
San Clemente, CA 92673

Phone: 949.366.8000

Fax: 949.366.8090

E-mail: info@regenesis.com

Chemical Description: A mixture of Calcium OxyHydroxide [CaO(OH)₂] and Calcium Hydroxide [Ca(OH)₂].

Chemical Family: Inorganic Chemical

Trade Name: Advanced Formula Oxygen Release Compound
(ORC *Advanced*TM)

Chemical Synonyms Calcium Hydroxide Oxide; Calcium Oxide Peroxide

Product Use: Used to remediate contaminated soil and groundwater (environmental applications)

Section 2 – Composition

<u>CAS No.</u>	<u>Chemical</u>
682334-66-3	Calcium Hydroxide Oxide [CaO(OH) ₂]
1305-62-0	Calcium Hydroxide [Ca(OH) ₂]
7758-11-4	Dipotassium Phosphate (HK ₂ O ₄ P)
7778-77-0	Monopotassium Phosphate (H ₂ KO ₄ P)

Section 3 – Physical Data

Form:	Powder
Color:	White to Pale Yellow
Odor:	Odorless
Melting Point:	527 °F (275 °C) – Decomposes
Boiling Point:	Not Applicable (NA)
Flammability/Flash Point:	NA
Auto- Flammability:	NA
Vapor Pressure:	NA
Self-Ignition Temperature:	NA
Thermal Decomposition:	527 °F (275 °C) – Decomposes
Bulk Density:	0.5 – 0.65 g/ml (Loose Method)
Solubility:	1.65 g/L @ 68° F (20° C) for calcium hydroxide.
Viscosity:	NA
pH:	11-13 (saturated solution)
Explosion Limits % by Volume:	Non-explosive
Hazardous Decomposition Products:	Oxygen, Hydrogen Peroxide, Steam, and Heat
Hazardous Reactions:	None

Section 4 – Reactivity Data

Stability: Stable under certain conditions (see below).

Conditions to Avoid: Heat and moisture.

Incompatibility: Acids, bases, salts of heavy metals, reducing agents, and flammable substances.

Hazardous Polymerization: Does not occur.

Section 5 – Regulations

TSCA Inventory List: Listed

CERCLA Hazardous Substance (40 CFR Part 302)

Listed Substance: No

Unlisted Substance: Yes

Reportable Quantity (RQ): 100 pounds

Characteristic(s): Ignitibility

RCRA Waste Number: D001

SARA, Title III, Sections 302/303 (40 CFR Part 355 – Emergency Planning and Notification)

Extremely Hazardous Substance: No

SARA, Title III, Sections 311/312 (40 CFR Part 370 – Hazardous Chemical Reporting: Community Right-To-Know)

Hazard Category: Immediate Health Hazard
Fire Hazard

Threshold Planning Quantity: 10,000 pounds

Section 5 – Regulations (cont)

SARA, Title III, Section 313 (40 CFR Part 372 – Toxic Chemical Release Reporting: Community Right-To-Know

Extremely Hazardous Substance:

No

WHMIS Classification:

C

Oxidizing Material
Poisonous and Infectious
Material

D

Material Causing Other Toxic
Effects –
Eye and Skin Irritant

Canadian Domestic Substance List:

Not Listed

Section 6 – Protective Measures, Storage and Handling

Technical Protective Measures

Storage:

Keep in tightly closed container. Store in dry area, protected from heat sources and direct sunlight.

Handling:

Clean and dry processing pipes and equipment before operation. Never return unused product to the storage container. Keep away from incompatible products. Containers and equipment used to handle this product should be used exclusively for this material. Avoid contact with water or humidity.

Section 6 – Protective Measures, Storage and Handling (cont)

Personal Protective Equipment (PPE)

Calcium Hydroxide

ACGIH® TLV® (2000)

5 mg/m³ TWA

OSHA PEL

Engineering Controls:

Total dust–15 mg/m³ TWA

Respirable fraction–

5 mg/m³ TWA

NIOSH REL (1994)

5 mg/m³

Respiratory Protection:

For many conditions, no respiratory protection may be needed; however, in dusty or unknown atmospheres use a NIOSH approved dust respirator.

Hand Protection:

Impervious protective gloves made of nitrile, natural rubber or neoprene.

Eye Protection:

Use chemical safety goggles (dust proof).

Skin Protection:

For brief contact, few precautions other than clean clothing are needed. Full body clothing impervious to this material should be used during prolonged exposure.

Other:

Safety shower and eyewash stations should be present. Consultation with an industrial hygienist or safety manager for the selection of PPE suitable for working conditions is suggested.

Industrial Hygiene:

Avoid contact with skin and eyes.

Protection Against Fire & Explosion:

NA

Section 7 – Hazards Identification

Emergency Overview:

Oxidizer – Contact with combustibles may cause a fire. This material decomposes and releases oxygen in a fire. The additional oxygen may intensify the fire.

Potential Health Effects:

Irritating to the mucous membrane and eyes. If the product splashes in ones face and eyes, treat the eyes first. Do not dry soiled clothing close to an open flame or heat source. Any

Regenesis - ORC Advanced MSDS

clothing that has been contaminated with this product should be submerged in water prior to drying.

- Inhalation:** High concentrations may cause slight nose and throat irritation with a cough. There is risk of sore throat and nose bleeds if one is exposed to this material for an extended period of time.
- Eye Contact:** Severe eye irritation with watering and redness. There is also the risk of serious and/or permanent eye lesions.
- Skin Contact:** Irritation may occur if one is exposed to this material for extended periods.
- Ingestion:** Irritation of the mouth and throat with nausea and vomiting.

Section 8 – Measures in Case of Accidents and Fire

- After Spillage/Leakage/Gas Leakage:** Collect in suitable containers. Wash remainder with copious quantities of water.
- Extinguishing Media:** See next.
- Suitable:** Large quantities of water or water spray. In case of fire in close proximity, all means of extinguishing are acceptable.
- Further Information:** Self contained breathing apparatus or approved gas mask should be worn due to small particle size. Use extinguishing media appropriate for surrounding fire. Apply cooling water to sides of transport or storage vessels that are exposed to flames until the fire is extinguished. Do not approach hot vessels that contain this product.
- First Aid:** After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. Consult an ophthalmologist in all cases.

Section 8 – Measures in Case of Accidents and Fire

- Eye Contact:** Flush eyes with running water for 15 minutes, while keeping the eyelids wide open. Consult with an ophthalmologist in all cases.
- Inhalation:** Remove subject from dusty environment. Consult with a physician in case of respiratory symptoms.

Regenesis - ORC Advanced MSDS

Ingestion:	If the victim is conscious, rinse mouth and administer fresh water. DO NOT induce vomiting. Consult a physician in all cases.
Skin Contact:	Wash affected skin with running water. Remove and clean clothing. Consult with a physician in case of persistent pain or redness.
Special Precautions:	Evacuate all non-essential personnel. Intervention should only be done by capable personnel that are trained and aware of the hazards associated with this product. When it is safe, unaffected product should be moved to safe area.
Specific Hazards:	<u>Oxidizing substance.</u> Oxygen released on exothermic decomposition may support combustion. Confined spaces and/or containers may be subject to increased pressure. If product comes into contact with flammables, fire or explosion may occur.

Section 9 – Accidental Release Measures

Precautions:	Observe the protection methods cited in Section 3. Avoid materials and products that are incompatible with product. Immediately notify the appropriate authorities in case of reportable discharge (> 100 lbs).
Cleanup Methods:	Collect the product with a suitable means of avoiding dust formation. All receiving equipment should be clean, vented, dry, labeled and made of material that this product is compatible with. Because of the contamination risk, the collected material should be kept in a safe isolated place. Use large quantities of water to clean the impacted area. See Section 12 for disposal methods.

Section 10 – Information on Toxicology

Toxicity Data

Acute Toxicity:	Oral Route, LD ₅₀ , rat, > 2,000 mg/kg (powder 50%) Dermal Route, LD ₅₀ , rat, > 2,000 mg/kg (powder 50%) Inhalation, LD ₅₀ , rat, > 5,000 mg/m ³ (powder 35%)
Irritation:	Rabbit (eyes), severe irritant

Regenesis - ORC Advanced MSDS

Sensitization:	No data
Chronic Toxicity:	In vitro, no mutagenic effect (Powder 50%)
Target Effects:	Organ Eyes and respiratory passages.

Section 11 – Information on Ecology

Ecology Data

	10 mg Ca(OH) ₂ /L: pH = 9.0
	100 mg Ca(OH) ₂ /L: pH = 10.6
Acute Exotoxicity:	Fishes, Cyprinus carpio, LC ₅₀ , 48 hrs, 160 mg/L Crustaceans, Daphnia sp., EC ₅₀ , 24 hours, 25.6 mg/L (Powder 16%)
Mobility:	Low Solubility and Mobility Water – Slow Hydrolysis. Degradation Products: Calcium Hydroxide
Abiotic Degradation:	Water/soil – complexation/precipitation. Carbonates/sulfates present at environmental concentrations. Degradation products: carbonates/sulfates sparingly soluble
Biotic Degradation:	NA (inorganic compound)
Potential for Bioaccumulation:	NA (ionizable inorganic compound)

Section 11 – Information on Ecology (cont)

	Observed effects are related to alkaline properties of the product. Hazard for the environment is limited due to the product properties of:
Comments:	<ul style="list-style-type: none">• No bioaccumulation• Weak solubility and precipitation as carbonate or sulfate in an aquatic environment. Diluted product is rapidly neutralized at environmental pH.
Further Information:	NA

Section 12 – Disposal Considerations

Waste Disposal Method: Consult current federal, state and local regulations regarding the proper disposal of this material and its emptied containers.

Section 13 – Shipping/Transport Information

D.O.T Name: **Shipping** Oxidizing Solid, N.O.S [A mixture of Calcium OxyHydroxide [CaO(OH)₂] and Calcium Hydroxide [Ca(OH)₂].

UN Number: 1479

Hazard Class: 5.1

Label(s): 5.1 (Oxidizer)

Packaging Group: II

STCC Number: 4918717

Section 14 – Other Information

HMIS[®] Rating Health – 2 Reactivity – 1
Flammability – 0 PPE - Required

HMIS[®] is a registered trademark of the National Painting and Coating Association.

NFPA[®] Rating Health – 2 Reactivity – 1
Flammability – 0 OX

NFPA[®] is a registered trademark of the National Fire Protection Association.

Reason for Issue: Update toxicological and ecological data

Section 15 – Further Information

The information contained in this document is the best available to the supplier at the time of writing, but is provided without warranty of any kind. Some possible hazards have been determined by analogy to similar classes of material. The items in this document are subject to change and clarification as more information become available.

ATTACHMENT F
BORING LOG AND WELL CONSTRUCTION DIAGRAM FOR MW-5

PROJECT: **Former Goodyear**
 LOCATION: **3430 Castro Valley Blvd.**
 PROJECT NUMBER: **185702561**

WELL / PROBEHOLE / BOREHOLE NO:

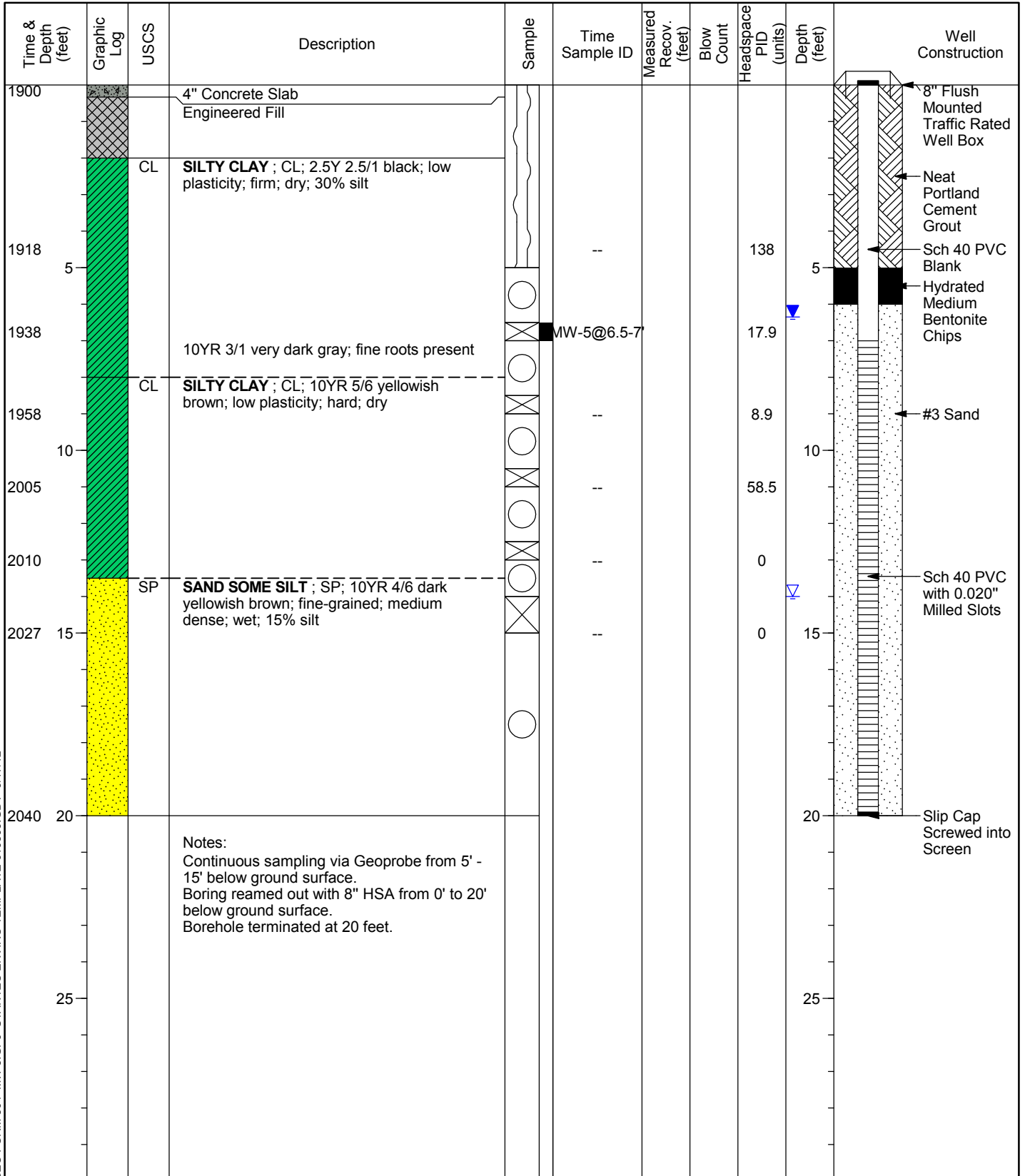


MW-5 PAGE 1 OF 1

DRILLING: STARTED **8/15/12** COMPLETED: **8/15/12**
 INSTALLATION: STARTED **8/15/12** COMPLETED: **8/15/12**
 DRILLING COMPANY: **Woodward Drilling**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Direct push/ HSA**
 SAMPLING EQUIPMENT: **Split Spoon**

NORTHING (ft):
 LATITUDE: **37° 41' 46.2582"**
 GROUND ELEV (ft): **179.78**
 INITIAL DTW (ft): **14 8/15/12**
 STATIC DTW (ft): **6.35 8/21/12**
 WELL CASING DIAMETER (in): **2**
 LOGGED BY: **T. Rhodes**

EASTING (ft):
 LONGITUDE: **-121° 4' 32.4654"**
 TOC ELEV (ft): **179.42**
 BOREHOLE DEPTH (ft): **20.0**
 WELL DEPTH (ft): **20.0**
 BOREHOLE DIAMETER (in): **8**
 CHECKED BY: **G. Messerotes**



GEO FORM 304 MW-5.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 9/17/12

ATTACHMENT G
CONFIRMATION SOIL SAMPLE ANALYTICAL REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pleasanton

1220 Quarry Lane

Pleasanton, CA 94566

Tel: (925)484-1919

TestAmerica Job ID: 720-43926-1

Client Project/Site: Goodyear - DEX # 9578.3430

Revision: 1

For:

Stantec Consulting Corp.

15575 Los Gatos Blvd

Bldg. C

Los Gatos, California 95032

Attn: Ms. Alicia Falk



Authorized for release by:

9/19/2012 4:46:17 PM

Afsaneh Salimpour

Project Manager I

afsaneh.salimpour@testamericainc.com

LINKS

Review your project
results through

Total Access

Have a Question?



Visit us at:

www.testamericainc.com

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

TestAmerica Job ID: 720-43926-1

Glossary

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

Case Narrative

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

TestAmerica Job ID: 720-43926-1

Job ID: 720-43926-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-43926-1

Revised Report on 9/19/12

Comments

No additional comments.

Receipt

The samples were received on 8/14/2012 7:08 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.2° C.

GC/MS VOA

No other analytical or quality issues were noted.

GC/MS Semi VOA

No analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119074 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals

No other analytical or quality issues were noted.

General Chemistry

Method(s) 9071B: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 46801. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 9071B: Analysis for Hexane Extractable Material (HEM) was performed for the following sample(s): EX-1 (720-43926-1), EX-2 (720-43926-2), EX-3 (720-43926-3), EX-4 (720-43926-4). Since the HEM result(s) was below the reporting limit (RL), the result(s) for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 720-43926-1

Client Sample ID: EX-1

Lab Sample ID: 720-43926-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	3.9		0.99		mg/Kg	1		8015B	Total/NA
Lead	8.8		2.0		mg/Kg	4		6010B	Total/NA

Client Sample ID: EX-2

Lab Sample ID: 720-43926-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.2		1.0		mg/Kg	1		8015B	Total/NA
Lead	12		1.9		mg/Kg	4		6010B	Total/NA

Client Sample ID: EX-3

Lab Sample ID: 720-43926-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	10		1.9		mg/Kg	4		6010B	Total/NA

Client Sample ID: EX-4

Lab Sample ID: 720-43926-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.0		1.0		mg/Kg	1		8015B	Total/NA
Lead	7.6		1.9		mg/Kg	4		6010B	Total/NA

Client Sample Results

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

TestAmerica Job ID: 720-43926-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.5		ug/Kg		08/14/12 17:00	08/15/12 04:13	1
Benzene	ND		4.5		ug/Kg		08/14/12 17:00	08/15/12 04:13	1
Ethylene Dibromide	ND		4.5		ug/Kg		08/14/12 17:00	08/15/12 04:13	1
1,2-Dichloroethane	ND		4.5		ug/Kg		08/14/12 17:00	08/15/12 04:13	1
Ethylbenzene	ND		4.5		ug/Kg		08/14/12 17:00	08/15/12 04:13	1
Toluene	ND		4.8		ug/Kg		08/15/12 07:00	08/15/12 12:55	1
Xylenes, Total	ND		9.1		ug/Kg		08/14/12 17:00	08/15/12 04:13	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		08/14/12 17:00	08/15/12 04:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		45 - 131				08/14/12 17:00	08/15/12 04:13	1
4-Bromofluorobenzene	88		45 - 131				08/15/12 07:00	08/15/12 12:55	1
1,2-Dichloroethane-d4 (Surr)	103		60 - 140				08/14/12 17:00	08/15/12 04:13	1
1,2-Dichloroethane-d4 (Surr)	107		60 - 140				08/15/12 07:00	08/15/12 12:55	1
Toluene-d8 (Surr)	104		58 - 140				08/14/12 17:00	08/15/12 04:13	1
Toluene-d8 (Surr)	105		58 - 140				08/15/12 07:00	08/15/12 12:55	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		08/15/12 07:00	08/15/12 11:27	1
Benzene	ND		4.9		ug/Kg		08/15/12 07:00	08/15/12 11:27	1
Ethylene Dibromide	ND		4.9		ug/Kg		08/15/12 07:00	08/15/12 11:27	1
1,2-Dichloroethane	ND		4.9		ug/Kg		08/15/12 07:00	08/15/12 11:27	1
Ethylbenzene	ND		4.9		ug/Kg		08/15/12 07:00	08/15/12 11:27	1
Toluene	ND		4.9		ug/Kg		08/15/12 07:00	08/15/12 11:27	1
Xylenes, Total	ND		9.8		ug/Kg		08/15/12 07:00	08/15/12 11:27	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/15/12 07:00	08/15/12 11:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		45 - 131				08/15/12 07:00	08/15/12 11:27	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140				08/15/12 07:00	08/15/12 11:27	1
Toluene-d8 (Surr)	109		58 - 140				08/15/12 07:00	08/15/12 11:27	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		08/15/12 07:00	08/15/12 11:56	1
Benzene	ND		4.7		ug/Kg		08/15/12 07:00	08/15/12 11:56	1
Ethylene Dibromide	ND		4.7		ug/Kg		08/15/12 07:00	08/15/12 11:56	1
1,2-Dichloroethane	ND		4.7		ug/Kg		08/15/12 07:00	08/15/12 11:56	1
Ethylbenzene	ND		4.7		ug/Kg		08/15/12 07:00	08/15/12 11:56	1
Toluene	ND		4.7		ug/Kg		08/15/12 07:00	08/15/12 11:56	1
Xylenes, Total	ND		9.4		ug/Kg		08/15/12 07:00	08/15/12 11:56	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		08/15/12 07:00	08/15/12 11:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		45 - 131				08/15/12 07:00	08/15/12 11:56	1

Client Sample Results

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

TestAmerica Job ID: 720-43926-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

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

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		60 - 140	08/15/12 07:00	08/15/12 11:56	1
Toluene-d8 (Surr)	109		58 - 140	08/15/12 07:00	08/15/12 11:56	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		08/15/12 07:00	08/15/12 12:25	1
Benzene	ND		4.7		ug/Kg		08/15/12 07:00	08/15/12 12:25	1
Ethylene Dibromide	ND		4.7		ug/Kg		08/15/12 07:00	08/15/12 12:25	1
1,2-Dichloroethane	ND		4.7		ug/Kg		08/15/12 07:00	08/15/12 12:25	1
Ethylbenzene	ND		4.7		ug/Kg		08/15/12 07:00	08/15/12 12:25	1
Toluene	ND		4.7		ug/Kg		08/15/12 07:00	08/15/12 12:25	1
Xylenes, Total	ND		9.5		ug/Kg		08/15/12 07:00	08/15/12 12:25	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/15/12 07:00	08/15/12 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		45 - 131	08/15/12 07:00	08/15/12 12:25	1
1,2-Dichloroethane-d4 (Surr)	104		60 - 140	08/15/12 07:00	08/15/12 12:25	1
Toluene-d8 (Surr)	105		58 - 140	08/15/12 07:00	08/15/12 12:25	1

Client Sample Results

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

TestAmerica Job ID: 720-43926-1

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

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

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

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

Client Sample Results

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

TestAmerica Job ID: 720-43926-1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Chrysene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Benzo[a]pyrene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Benzoic acid	ND		0.33		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Azobenzene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		08/14/12 22:09	08/21/12 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	74		21 - 98				08/14/12 22:09	08/21/12 17:32	1
2-Fluorobiphenyl	80		30 - 112				08/14/12 22:09	08/21/12 17:32	1
Terphenyl-d14	102		32 - 117				08/14/12 22:09	08/21/12 17:32	1
2-Fluorophenol	76		28 - 98				08/14/12 22:09	08/21/12 17:32	1
Phenol-d5	67		23 - 101				08/14/12 22:09	08/21/12 17:32	1
2,4,6-Tribromophenol	94		37 - 114				08/14/12 22:09	08/21/12 17:32	1

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

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

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

Client Sample Results

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

TestAmerica Job ID: 720-43926-1

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

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

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

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

Client Sample Results

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

TestAmerica Job ID: 720-43926-1

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

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

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

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

Client Sample Results

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

TestAmerica Job ID: 720-43926-1

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

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

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

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

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

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

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

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

Client Sample Results

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

TestAmerica Job ID: 720-43926-1

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

Client Sample ID: EX-4

Date Collected: 08/13/12 22:25

Date Received: 08/14/12 07:08

Lab Sample ID: 720-43926-4

Matrix: Solid

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

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

Client Sample Results

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

TestAmerica Job ID: 720-43926-1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.9		0.99		mg/Kg		08/14/12 15:11	08/15/12 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	63		40 - 130				08/14/12 15:11	08/15/12 12:43	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.2		1.0		mg/Kg		08/14/12 15:11	08/15/12 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	101		40 - 130				08/14/12 15:11	08/15/12 13:07	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/14/12 15:11	08/15/12 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	95		40 - 130				08/14/12 15:11	08/15/12 13:32	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.0		1.0		mg/Kg		08/14/12 15:11	08/15/12 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	88		40 - 130				08/14/12 15:11	08/15/12 13:57	1

Client Sample Results

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

TestAmerica Job ID: 720-43926-1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/16/12 19:31	08/17/12 19:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.0004		0 - 1				08/16/12 19:31	08/17/12 19:41	1
p-Terphenyl	66		38 - 148				08/16/12 19:31	08/17/12 19:41	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/16/12 16:35	08/17/12 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.003		0 - 1				08/16/12 16:35	08/17/12 19:17	1
p-Terphenyl	53		38 - 148				08/16/12 16:35	08/17/12 19:17	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/16/12 19:31	08/17/12 20:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.03		0 - 1				08/16/12 19:31	08/17/12 20:06	1
p-Terphenyl	59		38 - 148				08/16/12 19:31	08/17/12 20:06	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/16/12 19:31	08/17/12 20:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.001		0 - 1				08/16/12 19:31	08/17/12 20:31	1
p-Terphenyl	55		38 - 148				08/16/12 19:31	08/17/12 20:31	1

Client Sample Results

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

TestAmerica Job ID: 720-43926-1

Method: 6010B - Metals (ICP)

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.8		2.0		mg/Kg		08/14/12 19:15	08/16/12 22:48	4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		1.9		mg/Kg		08/14/12 19:15	08/16/12 22:52	4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		1.9		mg/Kg		08/14/12 19:15	08/16/12 22:56	4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.6		1.9		mg/Kg		08/14/12 19:15	08/16/12 23:01	4

Client Sample Results

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

TestAmerica Job ID: 720-43926-1

General Chemistry

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	ND		200	24	mg/Kg		08/21/12 11:26	08/21/12 13:37	1
SGT-HEM	ND		170	20	mg/Kg		08/21/12 11:26	08/21/12 13:37	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	ND		200	24	mg/Kg		08/21/12 11:26	08/21/12 13:37	1
SGT-HEM	ND		170	20	mg/Kg		08/21/12 11:26	08/21/12 13:37	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	ND		200	24	mg/Kg		08/21/12 11:26	08/21/12 13:37	1
SGT-HEM	ND		170	20	mg/Kg		08/21/12 11:26	08/21/12 13:37	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	ND		200	24	mg/Kg		08/21/12 11:26	08/21/12 13:37	1
SGT-HEM	ND		170	20	mg/Kg		08/21/12 11:26	08/21/12 13:37	1

QC Sample Results

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

TestAmerica Job ID: 720-43926-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-119100/1-A

Matrix: Solid

Analysis Batch: 119084

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119100

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/14/12 17:00	08/14/12 17:33	1
Benzene	ND		5.0		ug/Kg		08/14/12 17:00	08/14/12 17:33	1
Ethylene Dibromide	ND		5.0		ug/Kg		08/14/12 17:00	08/14/12 17:33	1
1,2-Dichloroethane	ND		5.0		ug/Kg		08/14/12 17:00	08/14/12 17:33	1
Ethylbenzene	ND		5.0		ug/Kg		08/14/12 17:00	08/14/12 17:33	1
Toluene	ND		5.0		ug/Kg		08/14/12 17:00	08/14/12 17:33	1
Xylenes, Total	ND		10		ug/Kg		08/14/12 17:00	08/14/12 17:33	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/14/12 17:00	08/14/12 17:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		45 - 131	08/14/12 17:00	08/14/12 17:33	1
1,2-Dichloroethane-d4 (Surr)	106		60 - 140	08/14/12 17:00	08/14/12 17:33	1
Toluene-d8 (Surr)	102		58 - 140	08/14/12 17:00	08/14/12 17:33	1

Lab Sample ID: LCS 720-119100/2-A

Matrix: Solid

Analysis Batch: 119084

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	56.5		ug/Kg		113	70 - 144
Benzene	50.0	54.8		ug/Kg		110	70 - 130
Ethylene Dibromide	50.0	64.1		ug/Kg		128	70 - 140
1,2-Dichloroethane	50.0	56.2		ug/Kg		112	70 - 130
Ethylbenzene	50.0	55.7		ug/Kg		111	80 - 137
Toluene	50.0	53.6		ug/Kg		107	80 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	113		45 - 131
1,2-Dichloroethane-d4 (Surr)	106		60 - 140
Toluene-d8 (Surr)	111		58 - 140

Lab Sample ID: LCS 720-119100/4-A

Matrix: Solid

Analysis Batch: 119084

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	949		ug/Kg		95	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	106		45 - 131
1,2-Dichloroethane-d4 (Surr)	106		60 - 140
Toluene-d8 (Surr)	112		58 - 140

QC Sample Results

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

TestAmerica Job ID: 720-43926-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-119100/3-A

Matrix: Solid

Analysis Batch: 119084

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119100

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	54.5		ug/Kg		109	70 - 144	4	20
Benzene	50.0	55.4		ug/Kg		111	70 - 130	1	20
Ethylene Dibromide	50.0	60.2		ug/Kg		120	70 - 140	6	20
1,2-Dichloroethane	50.0	54.1		ug/Kg		108	70 - 130	4	20
Ethylbenzene	50.0	57.3		ug/Kg		115	80 - 137	3	20
Toluene	50.0	54.8		ug/Kg		110	80 - 128	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	111		45 - 131
1,2-Dichloroethane-d4 (Surr)	106		60 - 140
Toluene-d8 (Surr)	111		58 - 140

Lab Sample ID: LCSD 720-119100/5-A

Matrix: Solid

Analysis Batch: 119084

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119100

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	973		ug/Kg		97	61 - 128	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	106		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	113		58 - 140

Lab Sample ID: MB 720-119130/1-A

Matrix: Solid

Analysis Batch: 119120

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119130

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/15/12 07:00	08/15/12 08:44	1
Benzene	ND		5.0		ug/Kg		08/15/12 07:00	08/15/12 08:44	1
Ethylene Dibromide	ND		5.0		ug/Kg		08/15/12 07:00	08/15/12 08:44	1
1,2-Dichloroethane	ND		5.0		ug/Kg		08/15/12 07:00	08/15/12 08:44	1
Ethylbenzene	ND		5.0		ug/Kg		08/15/12 07:00	08/15/12 08:44	1
Toluene	ND		5.0		ug/Kg		08/15/12 07:00	08/15/12 08:44	1
Xylenes, Total	ND		10		ug/Kg		08/15/12 07:00	08/15/12 08:44	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/15/12 07:00	08/15/12 08:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		45 - 131	08/15/12 07:00	08/15/12 08:44	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 140	08/15/12 07:00	08/15/12 08:44	1
Toluene-d8 (Surr)	109		58 - 140	08/15/12 07:00	08/15/12 08:44	1

QC Sample Results

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

TestAmerica Job ID: 720-43926-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-119130/2-A

Matrix: Solid

Analysis Batch: 119120

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	51.7		ug/Kg		103	70 - 144
Benzene	50.0	50.4		ug/Kg		101	70 - 130
Ethylene Dibromide	50.0	50.8		ug/Kg		102	70 - 140
1,2-Dichloroethane	50.0	46.1		ug/Kg		92	70 - 130
Ethylbenzene	50.0	51.3		ug/Kg		103	80 - 137
Toluene	50.0	51.1		ug/Kg		102	80 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	113		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	111		58 - 140

Lab Sample ID: LCS 720-119130/4-A

Matrix: Solid

Analysis Batch: 119120

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	897		ug/Kg		90	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	115		45 - 131
1,2-Dichloroethane-d4 (Surr)	104		60 - 140
Toluene-d8 (Surr)	112		58 - 140

Lab Sample ID: LCSD 720-119130/3-A

Matrix: Solid

Analysis Batch: 119120

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119130

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	57.2		ug/Kg		114	70 - 144	10	20
Benzene	50.0	53.2		ug/Kg		106	70 - 130	5	20
Ethylene Dibromide	50.0	58.1		ug/Kg		116	70 - 140	13	20
1,2-Dichloroethane	50.0	50.7		ug/Kg		101	70 - 130	10	20
Ethylbenzene	50.0	52.0		ug/Kg		104	80 - 137	1	20
Toluene	50.0	50.9		ug/Kg		102	80 - 128	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	111		45 - 131
1,2-Dichloroethane-d4 (Surr)	102		60 - 140
Toluene-d8 (Surr)	113		58 - 140

Lab Sample ID: LCSD 720-119130/5-A

Matrix: Solid

Analysis Batch: 119120

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119130

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	933		ug/Kg		93	61 - 128	4	20

QC Sample Results

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

TestAmerica Job ID: 720-43926-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-119130/5-A

Matrix: Solid

Analysis Batch: 119120

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119130

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	111		45 - 131
1,2-Dichloroethane-d4 (Surr)	103		60 - 140
Toluene-d8 (Surr)	112		58 - 140

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

Lab Sample ID: MB 720-119111/1-A

Matrix: Solid

Analysis Batch: 119203

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119111

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
2-Chlorophenol	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Benzyl alcohol	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
2-Methylphenol	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Hexachloroethane	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Nitrobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Isophorone	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
2-Nitrophenol	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Naphthalene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
4-Chloroaniline	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Hexachlorobutadiene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
2-Methylnaphthalene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
2-Chloronaphthalene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
2-Nitroaniline	ND		0.33		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Acenaphthylene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
3-Nitroaniline	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Acenaphthene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
4-Nitrophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Dibenzofuran	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Diethyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1

QC Sample Results

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

TestAmerica Job ID: 720-43926-1

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

Lab Sample ID: MB 720-119111/1-A

Matrix: Solid

Analysis Batch: 119203

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119111

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Fluorene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
4-Nitroaniline	ND		0.33		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Hexachlorobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Pentachlorophenol	ND		0.33		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Phenanthrene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Anthracene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Fluoranthene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Pyrene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Chrysene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Benzo[a]pyrene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Benzoic acid	ND		0.33		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Azobenzene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		08/14/12 22:09	08/16/12 12:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	80		21 - 98	08/14/12 22:09	08/16/12 12:37	1
2-Fluorobiphenyl	87		30 - 112	08/14/12 22:09	08/16/12 12:37	1
Terphenyl-d14	95		32 - 117	08/14/12 22:09	08/16/12 12:37	1
2-Fluorophenol	86		28 - 98	08/14/12 22:09	08/16/12 12:37	1
Phenol-d5	80		23 - 101	08/14/12 22:09	08/16/12 12:37	1
2,4,6-Tribromophenol	80		37 - 114	08/14/12 22:09	08/16/12 12:37	1

Lab Sample ID: LCS 720-119111/2-A

Matrix: Solid

Analysis Batch: 119203

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119111

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	1.66	1.23		mg/Kg		74	48 - 115
Bis(2-chloroethyl)ether	1.66	1.24		mg/Kg		74	45 - 115
2-Chlorophenol	1.66	1.22		mg/Kg		74	48 - 115
1,3-Dichlorobenzene	1.66	1.16		mg/Kg		70	41 - 115
1,4-Dichlorobenzene	1.66	1.09		mg/Kg		66	40 - 115
Benzyl alcohol	1.66	1.33		mg/Kg		80	54 - 115
1,2-Dichlorobenzene	1.66	1.18		mg/Kg		71	44 - 115
2-Methylphenol	1.66	1.27		mg/Kg		76	54 - 115

QC Sample Results

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

TestAmerica Job ID: 720-43926-1

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

Lab Sample ID: LCS 720-119111/2-A

Matrix: Solid

Analysis Batch: 119203

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119111

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylphenol, 3 & 4	3.32	2.47		mg/Kg		74	42 - 115
N-Nitrosodi-n-propylamine	1.66	1.38		mg/Kg		83	46 - 115
Hexachloroethane	1.66	1.14		mg/Kg		69	44 - 115
Nitrobenzene	1.66	1.22		mg/Kg		73	48 - 115
Isophorone	1.66	1.31		mg/Kg		79	54 - 115
2-Nitrophenol	1.66	1.21		mg/Kg		73	48 - 115
2,4-Dimethylphenol	1.66	1.25		mg/Kg		75	52 - 115
Bis(2-chloroethoxy)methane	1.66	1.30		mg/Kg		78	46 - 115
2,4-Dichlorophenol	1.66	1.26		mg/Kg		76	49 - 100
1,2,4-Trichlorobenzene	1.66	1.21		mg/Kg		73	47 - 115
Naphthalene	1.66	1.25		mg/Kg		75	44 - 115
4-Chloroaniline	1.66	1.04		mg/Kg		62	30 - 115
Hexachlorobutadiene	1.66	1.18		mg/Kg		71	44 - 115
4-Chloro-3-methylphenol	1.66	1.33		mg/Kg		80	58 - 115
2-Methylnaphthalene	1.66	1.21		mg/Kg		73	49 - 115
Hexachlorocyclopentadiene	1.66	1.23		mg/Kg		74	42 - 132
2,4,6-Trichlorophenol	1.66	1.32		mg/Kg		79	45 - 115
2,4,5-Trichlorophenol	1.66	1.27		mg/Kg		76	48 - 115
2-Chloronaphthalene	1.66	1.30		mg/Kg		78	52 - 115
2-Nitroaniline	1.66	1.42		mg/Kg		86	54 - 115
Dimethyl phthalate	1.66	1.35		mg/Kg		82	64 - 119
Acenaphthylene	1.66	1.49		mg/Kg		90	61 - 129
3-Nitroaniline	1.66	1.34		mg/Kg		81	50 - 115
Acenaphthene	1.66	1.34		mg/Kg		81	50 - 115
2,4-Dinitrophenol	1.66	ND		mg/Kg		26	15 - 115
4-Nitrophenol	1.66	1.38		mg/Kg		83	54 - 125
Dibenzofuran	1.66	1.33		mg/Kg		80	55 - 115
2,4-Dinitrotoluene	1.66	1.53		mg/Kg		92	57 - 115
2,6-Dinitrotoluene	1.66	1.42		mg/Kg		86	54 - 119
Diethyl phthalate	1.66	1.39		mg/Kg		84	49 - 117
4-Chlorophenyl phenyl ether	1.66	1.38		mg/Kg		83	57 - 115
Fluorene	1.66	1.38		mg/Kg		83	54 - 115
4-Nitroaniline	1.66	1.41		mg/Kg		85	59 - 115
2-Methyl-4,6-dinitrophenol	1.66	0.879		mg/Kg		53	39 - 115
N-Nitrosodiphenylamine	1.66	1.41		mg/Kg		85	56 - 115
4-Bromophenyl phenyl ether	1.66	1.41		mg/Kg		85	53 - 115
Hexachlorobenzene	1.66	1.45		mg/Kg		88	55 - 115
Pentachlorophenol	1.66	1.05		mg/Kg		63	35 - 115
Phenanthrene	1.66	1.45		mg/Kg		87	54 - 115
Anthracene	1.66	1.48		mg/Kg		89	55 - 115
Di-n-butyl phthalate	1.66	1.53		mg/Kg		92	55 - 115
Fluoranthene	1.66	1.56		mg/Kg		94	54 - 115
Pyrene	1.66	1.62		mg/Kg		97	48 - 115
Butyl benzyl phthalate	1.66	1.69		mg/Kg		102	53 - 115
3,3'-Dichlorobenzidine	1.66	1.48		mg/Kg		89	42 - 115
Benzo[a]anthracene	1.66	1.58		mg/Kg		95	55 - 115
Bis(2-ethylhexyl) phthalate	1.66	1.64		mg/Kg		99	53 - 115
Chrysene	1.66	1.60		mg/Kg		96	58 - 115
Di-n-octyl phthalate	1.66	1.68		mg/Kg		101	53 - 115
Benzo[b]fluoranthene	1.66	1.38		mg/Kg		83	56 - 115

QC Sample Results

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

TestAmerica Job ID: 720-43926-1

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

Lab Sample ID: LCS 720-119111/2-A

Matrix: Solid

Analysis Batch: 119203

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119111

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	1.66	1.37		mg/Kg		83	55 - 115
Benzo[k]fluoranthene	1.66	1.43		mg/Kg		86	57 - 115
Indeno[1,2,3-cd]pyrene	1.66	1.36		mg/Kg		82	56 - 115
Benzo[g,h,i]perylene	1.66	1.35		mg/Kg		81	56 - 115
Benzoic acid	1.66	ND		mg/Kg		18	10 - 115
Azobenzene	1.66	1.42		mg/Kg		86	52 - 115
Dibenz(a,h)anthracene	1.66	1.38		mg/Kg		83	58 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	76		21 - 98
2-Fluorobiphenyl	82		30 - 112
Terphenyl-d14	99		32 - 117
2-Fluorophenol	76		28 - 98
Phenol-d5	80		23 - 101
2,4,6-Tribromophenol	90		37 - 114

Lab Sample ID: LCSD 720-119111/3-A

Matrix: Solid

Analysis Batch: 119203

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119111

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	1.66	1.23		mg/Kg		74	48 - 115	0	35
Bis(2-chloroethyl)ether	1.66	1.26		mg/Kg		76	45 - 115	2	35
2-Chlorophenol	1.66	1.23		mg/Kg		74	48 - 115	1	35
1,3-Dichlorobenzene	1.66	1.19		mg/Kg		72	41 - 115	2	35
1,4-Dichlorobenzene	1.66	1.11		mg/Kg		67	40 - 115	2	35
Benzyl alcohol	1.66	1.34		mg/Kg		81	54 - 115	1	35
1,2-Dichlorobenzene	1.66	1.22		mg/Kg		73	44 - 115	3	35
2-Methylphenol	1.66	1.27		mg/Kg		76	54 - 115	0	35
Methylphenol, 3 & 4	3.32	2.44		mg/Kg		74	42 - 115	1	35
N-Nitrosodi-n-propylamine	1.66	1.41		mg/Kg		85	46 - 115	2	35
Hexachloroethane	1.66	1.15		mg/Kg		69	44 - 115	0	35
Nitrobenzene	1.66	1.21		mg/Kg		73	48 - 115	1	35
Isophorone	1.66	1.29		mg/Kg		78	54 - 115	1	35
2-Nitrophenol	1.66	1.21		mg/Kg		73	48 - 115	1	35
2,4-Dimethylphenol	1.66	1.22		mg/Kg		74	52 - 115	2	35
Bis(2-chloroethoxy)methane	1.66	1.29		mg/Kg		78	46 - 115	1	35
2,4-Dichlorophenol	1.66	1.25		mg/Kg		75	49 - 100	1	35
1,2,4-Trichlorobenzene	1.66	1.22		mg/Kg		74	47 - 115	1	35
Naphthalene	1.66	1.25		mg/Kg		75	44 - 115	0	35
4-Chloroaniline	1.66	1.05		mg/Kg		63	30 - 115	1	35
Hexachlorobutadiene	1.66	1.21		mg/Kg		73	44 - 115	2	35
4-Chloro-3-methylphenol	1.66	1.32		mg/Kg		80	58 - 115	1	35
2-Methylnaphthalene	1.66	1.19		mg/Kg		72	49 - 115	2	35
Hexachlorocyclopentadiene	1.66	1.25		mg/Kg		75	42 - 132	1	35
2,4,6-Trichlorophenol	1.66	1.31		mg/Kg		79	45 - 115	0	35
2,4,5-Trichlorophenol	1.66	1.31		mg/Kg		79	48 - 115	3	35
2-Chloronaphthalene	1.66	1.34		mg/Kg		81	52 - 115	3	35
2-Nitroaniline	1.66	1.41		mg/Kg		85	54 - 115	1	35

QC Sample Results

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

TestAmerica Job ID: 720-43926-1

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

Lab Sample ID: LCSD 720-119111/3-A

Matrix: Solid

Analysis Batch: 119203

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119111

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							Lower	Upper	RPD	Limit
Dimethyl phthalate	1.66	1.40		mg/Kg		84	64	119	3	35
Acenaphthylene	1.66	1.49		mg/Kg		90	61	129	0	35
3-Nitroaniline	1.66	1.38		mg/Kg		83	50	115	3	35
Acenaphthene	1.66	1.35		mg/Kg		81	50	115	1	35
2,4-Dinitrophenol	1.66	ND		mg/Kg		19	15	115	33	35
4-Nitrophenol	1.66	1.33		mg/Kg		80	54	125	4	35
Dibenzofuran	1.66	1.37		mg/Kg		82	55	115	3	35
2,4-Dinitrotoluene	1.66	1.49		mg/Kg		90	57	115	3	35
2,6-Dinitrotoluene	1.66	1.41		mg/Kg		85	54	119	1	35
Diethyl phthalate	1.66	1.42		mg/Kg		86	49	117	2	35
4-Chlorophenyl phenyl ether	1.66	1.38		mg/Kg		83	57	115	0	35
Fluorene	1.66	1.39		mg/Kg		84	54	115	1	35
4-Nitroaniline	1.66	1.41		mg/Kg		85	59	115	0	35
2-Methyl-4,6-dinitrophenol	1.66	0.764		mg/Kg		46	39	115	14	35
N-Nitrosodiphenylamine	1.66	1.41		mg/Kg		85	56	115	0	35
4-Bromophenyl phenyl ether	1.66	1.36		mg/Kg		82	53	115	4	35
Hexachlorobenzene	1.66	1.44		mg/Kg		87	55	115	1	35
Pentachlorophenol	1.66	0.999		mg/Kg		60	35	115	5	35
Phenanthrene	1.66	1.44		mg/Kg		87	54	115	1	35
Anthracene	1.66	1.44		mg/Kg		87	55	115	2	35
Di-n-butyl phthalate	1.66	1.49		mg/Kg		90	55	115	2	35
Fluoranthene	1.66	1.56		mg/Kg		94	54	115	0	35
Pyrene	1.66	1.69		mg/Kg		102	48	115	4	35
Butyl benzyl phthalate	1.66	1.66		mg/Kg		100	53	115	2	35
3,3'-Dichlorobenzidine	1.66	1.53		mg/Kg		92	42	115	3	35
Benzo[a]anthracene	1.66	1.61		mg/Kg		97	55	115	2	35
Bis(2-ethylhexyl) phthalate	1.66	1.68		mg/Kg		101	53	115	2	35
Chrysene	1.66	1.56		mg/Kg		94	58	115	2	35
Di-n-octyl phthalate	1.66	1.65		mg/Kg		100	53	115	2	35
Benzo[b]fluoranthene	1.66	1.32		mg/Kg		79	56	115	5	35
Benzo[a]pyrene	1.66	1.39		mg/Kg		84	55	115	1	35
Benzo[k]fluoranthene	1.66	1.46		mg/Kg		88	57	115	2	35
Indeno[1,2,3-cd]pyrene	1.66	1.36		mg/Kg		82	56	115	0	35
Benzo[g,h,i]perylene	1.66	1.36		mg/Kg		82	56	115	1	35
Benzoic acid	1.66	ND		mg/Kg		12	10	115	35	35
Azobenzene	1.66	1.29		mg/Kg		78	52	115	10	35
Dibenz(a,h)anthracene	1.66	1.38		mg/Kg		83	58	115	0	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	76		21 - 98
2-Fluorobiphenyl	84		30 - 112
Terphenyl-d14	98		32 - 117
2-Fluorophenol	77		28 - 98
Phenol-d5	80		23 - 101
2,4,6-Tribromophenol	87		37 - 114

QC Sample Results

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

TestAmerica Job ID: 720-43926-1

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

Lab Sample ID: MB 720-119074/1-A

Matrix: Solid

Analysis Batch: 119112

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		2.0		mg/Kg		08/14/12 14:22	08/15/12 11:30	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)							08/14/12 14:22	08/15/12 11:30	1
p-Terphenyl	100		40 - 130				08/14/12 14:22	08/15/12 11:30	1

Lab Sample ID: LCS 720-119074/2-A

Matrix: Solid

Analysis Batch: 119112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	166	144		mg/Kg		87	50 - 150
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
p-Terphenyl	94		40 - 130				

Lab Sample ID: LCSD 720-119074/3-A

Matrix: Solid

Analysis Batch: 119112

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119074

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	162	143		mg/Kg		88	50 - 150	1	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
p-Terphenyl	93		40 - 130						

Lab Sample ID: MB 720-119244/1-A

Matrix: Solid

Analysis Batch: 119274

Client Sample ID: Method Blank

Prep Type: Silica Gel Cleanup

Prep Batch: 119244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/16/12 16:35	08/17/12 20:06	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.006		0 - 1				08/16/12 16:35	08/17/12 20:06	1
p-Terphenyl	84		38 - 148				08/16/12 16:35	08/17/12 20:06	1

Lab Sample ID: LCS 720-119244/2-A

Matrix: Solid

Analysis Batch: 119274

Client Sample ID: Lab Control Sample

Prep Type: Silica Gel Cleanup

Prep Batch: 119244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.2	56.0		mg/Kg		68	36 - 112
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
p-Terphenyl	80		38 - 148				

QC Sample Results

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

TestAmerica Job ID: 720-43926-1

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

Lab Sample ID: LCSD 720-119244/3-A
Matrix: Solid
Analysis Batch: 119274

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 119244

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.5	56.6		mg/Kg		69	36 - 112	1	35
Surrogate		%Recovery	Qualifier						
<i>p-Terphenyl</i>		83							38 - 148

Lab Sample ID: 720-43926-2 MS
Matrix: Solid
Analysis Batch: 119275

Client Sample ID: EX-2
Prep Type: Silica Gel Cleanup
Prep Batch: 119244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	ND		82.2	30.8	F	mg/Kg		37	50 - 150
Surrogate		%Recovery		Qualifier					
<i>p-Terphenyl</i>		40							38 - 148

Lab Sample ID: 720-43926-2 MSD
Matrix: Solid
Analysis Batch: 119275

Client Sample ID: EX-2
Prep Type: Silica Gel Cleanup
Prep Batch: 119244

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		82.7	44.5	F	mg/Kg		54	50 - 150	36	30
Surrogate		%Recovery		Qualifier							
<i>p-Terphenyl</i>		57									38 - 148

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-119103/1-A
Matrix: Solid
Analysis Batch: 119289

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50		mg/Kg		08/14/12 19:15	08/16/12 21:47	1

Lab Sample ID: LCS 720-119103/2-A
Matrix: Solid
Analysis Batch: 119289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	49.9		mg/Kg		100	80 - 120

Lab Sample ID: LCSD 720-119103/3-A
Matrix: Solid
Analysis Batch: 119289

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119103

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	50.0	49.9		mg/Kg		100	80 - 120	0	20

QC Sample Results

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

TestAmerica Job ID: 720-43926-1

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

Lab Sample ID: LCSSRM 720-119103/25-A

Matrix: Solid

Analysis Batch: 119289

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119103

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	280	270		mg/Kg		96	62 - 113

Lab Sample ID: MB 720-119172/1-A

Matrix: Solid

Analysis Batch: 119265

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.13	0.012	mg/Kg		08/15/12 18:32	08/16/12 18:22	1
Chromium	ND		0.50	0.053	mg/Kg		08/15/12 18:32	08/16/12 18:22	1
Nickel	ND		0.50	0.051	mg/Kg		08/15/12 18:32	08/16/12 18:22	1
Lead	ND		0.50	0.11	mg/Kg		08/15/12 18:32	08/16/12 18:22	1
Zinc	ND		1.5	0.64	mg/Kg		08/15/12 18:32	08/16/12 18:22	1

Lab Sample ID: LCS 720-119172/2-A

Matrix: Solid

Analysis Batch: 119265

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119172

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	49.4		mg/Kg		99	80 - 120
Chromium	50.0	50.7		mg/Kg		101	80 - 120
Nickel	50.0	48.2		mg/Kg		96	80 - 120
Lead	50.0	47.9		mg/Kg		96	80 - 120
Zinc	50.0	49.1		mg/Kg		98	80 - 120

Lab Sample ID: LCSD 720-119172/3-A

Matrix: Solid

Analysis Batch: 119265

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119172

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	50.0	48.6		mg/Kg		97	80 - 120	2	20
Chromium	50.0	50.0		mg/Kg		100	80 - 120	1	20
Nickel	50.0	47.5		mg/Kg		95	80 - 120	1	20
Lead	50.0	47.1		mg/Kg		94	80 - 120	2	20
Zinc	50.0	48.4		mg/Kg		97	80 - 120	1	20

Lab Sample ID: LCSSRM 720-119172/25-A

Matrix: Solid

Analysis Batch: 119265

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119172

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	42.0	38.4		mg/Kg		92	67 - 118
Chromium	269	262		mg/Kg		97	67 - 121
Nickel	106	89.2		mg/Kg		84	65 - 117
Lead	280	237		mg/Kg		85	62 - 113
Zinc	574	521		mg/Kg		91	62 - 110

QC Sample Results

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

TestAmerica Job ID: 720-43926-1

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

Lab Sample ID: 720-43926-5 MS

Matrix: Solid

Analysis Batch: 119265

Client Sample ID: EX-1,2,3,4

Prep Type: Total/NA

Prep Batch: 119172

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	Limits
Cadmium	ND		48.5	44.9		mg/Kg		92	75 - 125	
Chromium	45		48.5	90.5		mg/Kg		94	75 - 125	
Nickel	35		48.5	78.2		mg/Kg		88	75 - 125	
Lead	8.1		48.5	51.6		mg/Kg		90	75 - 125	
Zinc	49		48.5	93.8		mg/Kg		93	75 - 125	

Lab Sample ID: 720-43926-5 MSD

Matrix: Solid

Analysis Batch: 119265

Client Sample ID: EX-1,2,3,4

Prep Type: Total/NA

Prep Batch: 119172

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit	
Cadmium	ND		46.7	43.4		mg/Kg		93	75 - 125		3	20
Chromium	45		46.7	92.0		mg/Kg		101	75 - 125		2	20
Nickel	35		46.7	76.0		mg/Kg		87	75 - 125		3	20
Lead	8.1		46.7	50.3		mg/Kg		90	75 - 125		3	20
Zinc	49		46.7	91.0		mg/Kg		91	75 - 125		3	20

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 440-46755/1-A

Matrix: Solid

Analysis Batch: 46801

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 46755

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
HEM	ND		200	24	mg/Kg		08/21/12 11:26	08/21/12 13:37	1
SGT-HEM	ND		170	20	mg/Kg		08/21/12 11:26	08/21/12 13:37	1

Lab Sample ID: LCS 440-46755/2-A

Matrix: Solid

Analysis Batch: 46801

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 46755

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	Limits
HEM	333	337		mg/Kg		101	78 - 114	
SGT-HEM	167	170		mg/Kg		102	70 - 110	

Lab Sample ID: LCSD 440-46755/3-A

Matrix: Solid

Analysis Batch: 46801

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 46755

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec.		RPD	
		Result	Qualifier				Limits	RPD	Limit	
HEM	333	320		mg/Kg		96	78 - 114		5	11
SGT-HEM	167	ND		mg/Kg		92	70 - 110		12	15

QC Association Summary

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

TestAmerica Job ID: 720-43926-1

GC/MS VOA

Analysis Batch: 119084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-1	EX-1	Total/NA	Solid	8260B	119100

Prep Batch: 119100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-1	EX-1	Total/NA	Solid	5030B	

Analysis Batch: 119120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-1	EX-1	Total/NA	Solid	8260B	119130
720-43926-2	EX-2	Total/NA	Solid	8260B	119130
720-43926-3	EX-3	Total/NA	Solid	8260B	119130
720-43926-4	EX-4	Total/NA	Solid	8260B	119130

Prep Batch: 119130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-1	EX-1	Total/NA	Solid	5030B	
720-43926-2	EX-2	Total/NA	Solid	5030B	
720-43926-3	EX-3	Total/NA	Solid	5030B	
720-43926-4	EX-4	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 119111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-1	EX-1	Total/NA	Solid	3546	
720-43926-2	EX-2	Total/NA	Solid	3546	
720-43926-3	EX-3	Total/NA	Solid	3546	
720-43926-4	EX-4	Total/NA	Solid	3546	

Analysis Batch: 119484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-1	EX-1	Total/NA	Solid	8270C	119111
720-43926-2	EX-2	Total/NA	Solid	8270C	119111
720-43926-4	EX-4	Total/NA	Solid	8270C	119111

Analysis Batch: 119638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-3	EX-3	Total/NA	Solid	8270C	119111

GC Semi VOA

Prep Batch: 119074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-1	EX-1	Total/NA	Solid	3546	
720-43926-2	EX-2	Total/NA	Solid	3546	
720-43926-3	EX-3	Total/NA	Solid	3546	
720-43926-4	EX-4	Total/NA	Solid	3546	

Analysis Batch: 119113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-1	EX-1	Total/NA	Solid	8015B	119074
720-43926-2	EX-2	Total/NA	Solid	8015B	119074

QC Association Summary

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

TestAmerica Job ID: 720-43926-1

GC Semi VOA (Continued)

Analysis Batch: 119113 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-3	EX-3	Total/NA	Solid	8015B	119074
720-43926-4	EX-4	Total/NA	Solid	8015B	119074

Prep Batch: 119244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-1	EX-1	Silica Gel Cleanup	Solid	3546	
720-43926-2	EX-2	Silica Gel Cleanup	Solid	3546	
720-43926-3	EX-3	Silica Gel Cleanup	Solid	3546	
720-43926-4	EX-4	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 119275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-1	EX-1	Silica Gel Cleanup	Solid	8015B	119244
720-43926-2	EX-2	Silica Gel Cleanup	Solid	8015B	119244
720-43926-3	EX-3	Silica Gel Cleanup	Solid	8015B	119244
720-43926-4	EX-4	Silica Gel Cleanup	Solid	8015B	119244

Metals

Prep Batch: 119103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-1	EX-1	Total/NA	Solid	3050B	
720-43926-2	EX-2	Total/NA	Solid	3050B	
720-43926-3	EX-3	Total/NA	Solid	3050B	
720-43926-4	EX-4	Total/NA	Solid	3050B	

Analysis Batch: 119289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-1	EX-1	Total/NA	Solid	6010B	119103
720-43926-2	EX-2	Total/NA	Solid	6010B	119103
720-43926-3	EX-3	Total/NA	Solid	6010B	119103
720-43926-4	EX-4	Total/NA	Solid	6010B	119103

General Chemistry

Prep Batch: 46755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-1	EX-1	Total/NA	Solid	9071B	
720-43926-2	EX-2	Total/NA	Solid	9071B	
720-43926-3	EX-3	Total/NA	Solid	9071B	
720-43926-4	EX-4	Total/NA	Solid	9071B	

Analysis Batch: 46801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43926-1	EX-1	Total/NA	Solid	9071B	46755
720-43926-2	EX-2	Total/NA	Solid	9071B	46755
720-43926-3	EX-3	Total/NA	Solid	9071B	46755
720-43926-4	EX-4	Total/NA	Solid	9071B	46755

Lab Chronicle

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

TestAmerica Job ID: 720-43926-1

Client Sample ID: EX-1

Lab Sample ID: 720-43926-1

Date Collected: 08/13/12 22:22

Matrix: Solid

Date Received: 08/14/12 07:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119100	08/14/12 17:00	LL	TAL SF
Total/NA	Analysis	8260B		1	119084	08/15/12 04:13	AC	TAL SF
Total/NA	Prep	5030B			119130	08/15/12 07:00	AC	TAL SF
Total/NA	Analysis	8260B		1	119120	08/15/12 12:55	AC	TAL SF
Total/NA	Prep	3546			119111	08/14/12 22:09	RU	TAL SF
Total/NA	Analysis	8270C		1	119484	08/21/12 17:32	ML	TAL SF
Total/NA	Prep	3546			119074	08/14/12 15:11	ND	TAL SF
Total/NA	Analysis	8015B		1	119113	08/15/12 12:43	DH	TAL SF
Silica Gel Cleanup	Prep	3546			119244	08/16/12 19:31	ND	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	119275	08/17/12 19:41	JZ	TAL SF
Total/NA	Prep	3050B			119103	08/14/12 19:15	CDT	TAL SF
Total/NA	Analysis	6010B		4	119289	08/16/12 22:48	BA	TAL SF
Total/NA	Prep	9071B			46755	08/21/12 11:26	DA	TAL IRV
Total/NA	Analysis	9071B		1	46801	08/21/12 13:37	DA	TAL IRV

Client Sample ID: EX-2

Lab Sample ID: 720-43926-2

Date Collected: 08/13/12 22:18

Matrix: Solid

Date Received: 08/14/12 07:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119130	08/15/12 07:00	AC	TAL SF
Total/NA	Analysis	8260B		1	119120	08/15/12 11:27	AC	TAL SF
Total/NA	Prep	3546			119111	08/14/12 22:09	RU	TAL SF
Total/NA	Analysis	8270C		1	119484	08/21/12 17:56	ML	TAL SF
Total/NA	Prep	3546			119074	08/14/12 15:11	ND	TAL SF
Total/NA	Analysis	8015B		1	119113	08/15/12 13:07	DH	TAL SF
Silica Gel Cleanup	Prep	3546			119244	08/16/12 16:35	ND	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	119275	08/17/12 19:17	JZ	TAL SF
Total/NA	Prep	3050B			119103	08/14/12 19:15	CDT	TAL SF
Total/NA	Analysis	6010B		4	119289	08/16/12 22:52	BA	TAL SF
Total/NA	Prep	9071B			46755	08/21/12 11:26	DA	TAL IRV
Total/NA	Analysis	9071B		1	46801	08/21/12 13:37	DA	TAL IRV

Client Sample ID: EX-3

Lab Sample ID: 720-43926-3

Date Collected: 08/13/12 22:28

Matrix: Solid

Date Received: 08/14/12 07:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119130	08/15/12 07:00	AC	TAL SF
Total/NA	Analysis	8260B		1	119120	08/15/12 11:56	AC	TAL SF
Total/NA	Prep	3546			119111	08/14/12 22:09	RU	TAL SF
Total/NA	Analysis	8270C		1	119638	08/23/12 16:22	ML	TAL SF
Total/NA	Prep	3546			119074	08/14/12 15:11	ND	TAL SF
Total/NA	Analysis	8015B		1	119113	08/15/12 13:32	DH	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-43926-1

Client Sample ID: EX-3

Lab Sample ID: 720-43926-3

Date Collected: 08/13/12 22:28

Matrix: Solid

Date Received: 08/14/12 07:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			119244	08/16/12 19:31	ND	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	119275	08/17/12 20:06	JZ	TAL SF
Total/NA	Prep	3050B			119103	08/14/12 19:15	CDT	TAL SF
Total/NA	Analysis	6010B		4	119289	08/16/12 22:56	BA	TAL SF
Total/NA	Prep	9071B			46755	08/21/12 11:26	DA	TAL IRV
Total/NA	Analysis	9071B		1	46801	08/21/12 13:37	DA	TAL IRV

Client Sample ID: EX-4

Lab Sample ID: 720-43926-4

Date Collected: 08/13/12 22:25

Matrix: Solid

Date Received: 08/14/12 07:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119130	08/15/12 07:00	AC	TAL SF
Total/NA	Analysis	8260B		1	119120	08/15/12 12:25	AC	TAL SF
Total/NA	Prep	3546			119111	08/14/12 22:09	RU	TAL SF
Total/NA	Analysis	8270C		1	119484	08/21/12 18:20	ML	TAL SF
Total/NA	Prep	3546			119074	08/14/12 15:11	ND	TAL SF
Total/NA	Analysis	8015B		1	119113	08/15/12 13:57	DH	TAL SF
Silica Gel Cleanup	Prep	3546			119244	08/16/12 19:31	ND	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	119275	08/17/12 20:31	JZ	TAL SF
Total/NA	Prep	3050B			119103	08/14/12 19:15	CDT	TAL SF
Total/NA	Analysis	6010B		4	119289	08/16/12 23:01	BA	TAL SF
Total/NA	Prep	9071B			46755	08/21/12 11:26	DA	TAL IRV
Total/NA	Analysis	9071B		1	46801	08/21/12 13:37	DA	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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

Certification Summary

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

TestAmerica Job ID: 720-43926-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arizona	State Program	9	AZ0671	10-13-12
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	09-30-12
New Mexico	State Program	6	N/A	01-31-12
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-13
USDA	Federal		P330-09-00080	06-06-14

Method Summary

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

TestAmerica Job ID: 720-43926-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF
6010B	Metals (ICP)	SW846	TAL SF
9071B	HEM and SGT-HEM	SW846	TAL IRV

Protocol References:

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

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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



Sample Summary

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

TestAmerica Job ID: 720-43926-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-43926-1	EX-1	Solid	08/13/12 22:22	08/14/12 07:08
720-43926-2	EX-2	Solid	08/13/12 22:18	08/14/12 07:08
720-43926-3	EX-3	Solid	08/13/12 22:28	08/14/12 07:08
720-43926-4	EX-4	Solid	08/13/12 22:25	08/14/12 07:08

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- 14

CHAIN OF CUSTODY RECORD

JDE NO. 3862

720 43926 - COPY

140133

9/19/2012



TestAmerica
1220 Quarry Lane
Pleasanton, CA 94566

Phone: 925.484.1919

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: 15575 Los Gatos Boulevard, Building C

City/State/Zip: Los Gatos, CA 95032

Project Manager: Jack Hardin email: jack.hardin@stantec.com

Telephone Number: 408-356-6124

Fax No.: 408-356-6138

Report To: Jack Hardin

Invoice To: Karen Burlingame Goodyear Dept. 110F 1144 E. Market St. Akron, OH 44136-0001

Sampler Name: (Print) *Tristan Rhodes*

Sampler Signature: *[Signature]* Goodyear P.O. 4121

Invoice email: karen.burlingame@goodyear.com

Territory ID: Former Goodyear DEX#1693-9578 3480 Cabela Valley Blvd

Project No & ID: 185702561.200.0001

PO & Quote Number: ~~Goodyear P.O. # 3862~~ Quote No. Posted on TestAmerica Order 12-17-08

AP P.O. # 4504943694 (7/10/2012)

SHI Analysis was posted on TestAmerica Order 12-17-08 5,2°C

Sample ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative							Matrix					Analyze For	RUSH TAT (Pre-Schedule)	RUSH Due Date	Standard TAT-10 Business Day	Fax Results	TestAmerica QC Level 2	Electronic Deliverables	REMARKS														
							H ₂ O ₂ (Red Label)	NaOH (Blue 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)	8016 - TPH-DRO (C16 to C36)	8260B - TPH-GRO									8260B - VOCs	TPH-GRO (8015B)	TPH (164)	BTEX (8260B)	MTBE (8260B)	SOLs (8270C)	Pb (6010B)							
EX-1	8/13/12	2222	1	X																																				
EX-2	8/13/12	2218	1	X																																				EDF Required
EX-3	8/13/12	2228	1	X																																				
EX-4	8/13/12	2225	1	X																																				

Special Instructions:

A copy of the chain of custody must accompany each invoice to Goodyear for payment!!! Detection limits (in ppb) for all analytes must not exceed the following values:

EDF REQUIRED GLOBAL ID = ST0608145303 - SEND ANALYTICAL REPORTS TO alicia.falk@stantec.com

Laboratory Comments:

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

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

Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	8/14/12	0600	Billy L. Lonn	8-14-12	0600
Relinquished by:	Date	Time	Received by: TestAmerica:	Date	Time
Billy Lonn	8-14-12	700	<i>[Signature]</i>	8/14/12	0708



Salimpour, Afsaneh

720-43926

From: Falk, Alicia [Alicia.Falk@stantec.com]
Sent: Wednesday, August 15, 2012 9:32 AM
To: Salimpour, Afsaneh
Cc: Hardin, Jack
Subject: Goodyear Castro Valley - Additional Analytes Requested
Importance: High

Good Morning Afsaneh,

The landfill is requiring we provide them with additional analytes. Can you please run a composite of the four soil samples submitted on August 13, 2012 (EX-1 through EX-4) for LUFT 5 Metals on standard TAT?

Thank you,
Please note name change

Alicia Jansen (formerly Falk)
Project Scientist
Stantec
15575 Los Gatos Boulevard Building C
Los Gatos CA 95032-2569
Ph: (408) 356-6124 Ext. 261
Fx: (408) 356-6138
Cell: (408) 458-6357
alicia.falk@stantec.com
stantec.com

Salimpour, Afsaneh

From: Falk, Alicia [Alicia.Falk@stantec.com]
Sent: Thursday, August 16, 2012 9:02 AM
To: Salimpour, Afsaneh
Cc: Hardin, Jack; Messerotes, Gary; Rhodes, Tristan
Subject: Goodyear Castro Valley - Additional Analytes
Attachments: Rev COC 43958.pdf, REV COC 081312.pdf

Good Morning Afsaneh,

Attached are revised COCs for the samples submitted for the Goodyear Castro Valley Site on 8/13 and 8/14. Please add a "COMP-1" and make a composite of the four soil samples (EX-1 through EX-4) and analyze it for LUFT F Metals.

Also for the samples submitted on 8/13 and 8/14, please analyze all samples for TPH-DRO with and without silica gel cleanup.

Thank you,
Please note name change

Alicia Jansen (formerly Falk)
 Project Scientist
 Stantec
 15575 Los Gatos Boulevard Building C
 Los Gatos CA 95032-2569
 Ph: (408) 356-6124 Ext. 261
 Fx: (408) 356-6138
 Cell: (408) 458-6357
alicia.falk@stantec.com
stantec.com

From: Salimpour, Afsaneh [mailto:afsaneh.salimpour@testamericainc.com]
Sent: Wednesday, August 15, 2012 6:56 PM
To: Falk, Alicia
Subject: Sample Login Confirmation for 720-43958, Goodyear -DEX No.9578,3430 Castro Valley

AFSANEH SALIMPOUR

TestAmerica Pleasanton
 THE LEADER IN ENVIRONMENTAL TESTING

Tel: 925.484.1919
www.testamericainc.com

Reference: [110142]
 Attachments: 3

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-43926-1

Login Number: 43926

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Apostol, Anita

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



Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-43926-1

Login Number: 43926

List Number: 1

Creator: Perez, Angel

List Source: TestAmerica Irvine

List Creation: 08/15/12 11:43 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-43926-1

Login Number: 43926

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Apostol, Anita

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



Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-43926-1

Login Number: 43926

List Number: 1

Creator: Perez, Angel

List Source: TestAmerica Irvine

List Creation: 08/15/12 11:43 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 720-43958-1

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

For:
Stantec Consulting Corp.
15575 Los Gatos Blvd
Bldg. C
Los Gatos, California 95032

Attn: Ms. Alicia Falk



Authorized for release by:
8/30/2012 11:31:00 AM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

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results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

TestAmerica Job ID: 720-43958-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits

Glossary

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

Case Narrative

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

TestAmerica Job ID: 720-43958-1

Job ID: 720-43958-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-43958-1

Comments

No additional comments.

Receipt

The samples were received on 8/15/2012 7:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7° C.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following sample(s) was diluted due to the abundance of non-target analytes: SP-RED2-COMP (720-43954-3). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following sample(s) was diluted due to the abundance of non-target analytes: EX-5 (720-43958-1), EX-6 (720-43958-2), EX-7 (720-43958-3). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: Internal standard responses were outside of acceptance limits for the following sample(s): EX-6 (720-43958-2), EX-7 (720-43958-3). The sample(s) shows evidence of matrix interference.

Method(s) 8270C: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: EX-5 (720-43958-1), EX-6 (720-43958-2).

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: EX-5 (720-43958-1), EX-6 (720-43958-2), EX-7 (720-43958-3).

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: EX-5 (720-43958-1), EX-6 (720-43958-2), EX-7 (720-43958-3).

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: EX-6 (720-43958-2), EX-7 (720-43958-3).

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

Method(s) 9071B: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 46801. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No other analytical or quality issues were noted.

Organic Prep

Case Narrative

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

TestAmerica Job ID: 720-43958-1

Job ID: 720-43958-1 (Continued)

Laboratory: TestAmerica Pleasanton (Continued)

No analytical or quality issues were noted.

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Detection Summary

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

TestAmerica Job ID: 720-43958-1

Client Sample ID: EX-5

Lab Sample ID: 720-43958-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	14		4.7		ug/Kg	1		8260B	Total/NA
Ethylbenzene	46		4.7		ug/Kg	1		8260B	Total/NA
Toluene	22		4.7		ug/Kg	1		8260B	Total/NA
Xylenes, Total	300		9.5		ug/Kg	1		8260B	Total/NA
Gasoline Range Organics (GRO) -C5-C12	7100		240		ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	1100		20		mg/Kg	20		8015B	Total/NA
Diesel Range Organics [C10-C28]	980		20		mg/Kg	20		8015B	Silica Gel Cleanup
Lead	16		1.9		mg/Kg	4		6010B	Total/NA
HEM	1700		200	24	mg/Kg	1		9071B	Total/NA
SGT-HEM	370		170	20	mg/Kg	1		9071B	Total/NA

Client Sample ID: EX-6

Lab Sample ID: 720-43958-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	51		4.7		ug/Kg	1		8260B	Total/NA
Ethylbenzene	190		4.7		ug/Kg	1		8260B	Total/NA
Toluene	92		4.7		ug/Kg	1		8260B	Total/NA
Xylenes, Total	710		9.4		ug/Kg	1		8260B	Total/NA
Gasoline Range Organics (GRO) -C5-C12	5400		1300		ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	900		20		mg/Kg	20		8015B	Total/NA
Diesel Range Organics [C10-C28]	750		20		mg/Kg	20		8015B	Silica Gel Cleanup
Lead	13		2.0		mg/Kg	4		6010B	Total/NA
HEM	2200		200	24	mg/Kg	1		9071B	Total/NA
SGT-HEM	510		170	20	mg/Kg	1		9071B	Total/NA

Client Sample ID: EX-7

Lab Sample ID: 720-43958-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	48		4.9		ug/Kg	1		8260B	Total/NA
Ethylbenzene	160		4.9		ug/Kg	1		8260B	Total/NA
Toluene	6.3		4.9		ug/Kg	1		8260B	Total/NA
Xylenes, Total	37		9.8		ug/Kg	1		8260B	Total/NA
Gasoline Range Organics (GRO) -C5-C12	4900		240		ug/Kg	1		8260B	Total/NA
Naphthalene	1.1		0.67		mg/Kg	10		8270C	Total/NA
2-Methylnaphthalene	1.7		0.67		mg/Kg	10		8270C	Total/NA
Diesel Range Organics [C10-C28]	1400		50		mg/Kg	50		8015B	Total/NA
Diesel Range Organics [C10-C28]	1200		50		mg/Kg	50		8015B	Silica Gel Cleanup
Lead	11		1.9		mg/Kg	4		6010B	Total/NA
HEM	2300		200	24	mg/Kg	1		9071B	Total/NA
SGT-HEM	600		170	20	mg/Kg	1		9071B	Total/NA

Client Sample Results

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

TestAmerica Job ID: 720-43958-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		08/15/12 18:00	08/16/12 03:13	1
Benzene	14		4.7		ug/Kg		08/15/12 18:00	08/16/12 03:13	1
Ethylene Dibromide	ND		4.7		ug/Kg		08/15/12 18:00	08/16/12 03:13	1
1,2-Dichloroethane	ND		4.7		ug/Kg		08/15/12 18:00	08/16/12 03:13	1
Ethylbenzene	46		4.7		ug/Kg		08/15/12 18:00	08/16/12 03:13	1
Toluene	22		4.7		ug/Kg		08/15/12 18:00	08/16/12 03:13	1
Xylenes, Total	300		9.5		ug/Kg		08/15/12 18:00	08/16/12 03:13	1
Gasoline Range Organics (GRO) -C5-C12	7100		240		ug/Kg		08/15/12 18:00	08/16/12 03:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		45 - 131				08/15/12 18:00	08/16/12 03:13	1
1,2-Dichloroethane-d4 (Surr)	113		60 - 140				08/15/12 18:00	08/16/12 03:13	1
Toluene-d8 (Surr)	104		58 - 140				08/15/12 18:00	08/16/12 03:13	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		08/15/12 18:00	08/16/12 03:42	1
Benzene	51		4.7		ug/Kg		08/15/12 18:00	08/16/12 03:42	1
Ethylene Dibromide	ND		4.7		ug/Kg		08/15/12 18:00	08/16/12 03:42	1
1,2-Dichloroethane	ND		4.7		ug/Kg		08/15/12 18:00	08/16/12 03:42	1
Ethylbenzene	190		4.7		ug/Kg		08/15/12 18:00	08/16/12 03:42	1
Toluene	92		4.7		ug/Kg		08/15/12 18:00	08/16/12 03:42	1
Xylenes, Total	710		9.4		ug/Kg		08/15/12 18:00	08/16/12 03:42	1
Gasoline Range Organics (GRO) -C5-C12	5400		1300		ug/Kg		08/21/12 07:00	08/21/12 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		45 - 131				08/15/12 18:00	08/16/12 03:42	1
4-Bromofluorobenzene	112		45 - 131				08/21/12 07:00	08/21/12 13:06	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140				08/15/12 18:00	08/16/12 03:42	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140				08/21/12 07:00	08/21/12 13:06	1
Toluene-d8 (Surr)	103		58 - 140				08/15/12 18:00	08/16/12 03:42	1
Toluene-d8 (Surr)	111		58 - 140				08/21/12 07:00	08/21/12 13:06	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		08/15/12 18:00	08/16/12 04:11	1
Benzene	48		4.9		ug/Kg		08/15/12 18:00	08/16/12 04:11	1
Ethylene Dibromide	ND		4.9		ug/Kg		08/15/12 18:00	08/16/12 04:11	1
1,2-Dichloroethane	ND		4.9		ug/Kg		08/15/12 18:00	08/16/12 04:11	1
Ethylbenzene	160		4.9		ug/Kg		08/15/12 18:00	08/16/12 04:11	1
Toluene	6.3		4.9		ug/Kg		08/15/12 18:00	08/16/12 04:11	1
Xylenes, Total	37		9.8		ug/Kg		08/15/12 18:00	08/16/12 04:11	1
Gasoline Range Organics (GRO) -C5-C12	4900		240		ug/Kg		08/15/12 18:00	08/16/12 04:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		45 - 131				08/15/12 18:00	08/16/12 04:11	1

Client Sample Results

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

TestAmerica Job ID: 720-43958-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

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

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		45 - 131	08/21/12 07:00	08/21/12 13:35	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 140	08/15/12 18:00	08/16/12 04:11	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 140	08/21/12 07:00	08/21/12 13:35	1
Toluene-d8 (Surr)	105		58 - 140	08/15/12 18:00	08/16/12 04:11	1
Toluene-d8 (Surr)	106		58 - 140	08/21/12 07:00	08/21/12 13:35	1

Client Sample Results

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

TestAmerica Job ID: 720-43958-1

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

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

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

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

Client Sample Results

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

TestAmerica Job ID: 720-43958-1

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

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

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

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

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

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

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

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

Client Sample Results

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

TestAmerica Job ID: 720-43958-1

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

Client Sample ID: EX-6

Date Collected: 08/14/12 23:44

Date Received: 08/15/12 07:00

Lab Sample ID: 720-43958-2

Matrix: Solid

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

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

Client Sample Results

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

TestAmerica Job ID: 720-43958-1

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

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

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

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

Client Sample Results

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

TestAmerica Job ID: 720-43958-1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
3,3'-Dichlorobenzidine	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Benzo[a]anthracene	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Bis(2-ethylhexyl) phthalate	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Chrysene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Di-n-octyl phthalate	ND		1.7		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Benzo[b]fluoranthene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Benzo[a]pyrene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Benzo[k]fluoranthene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Indeno[1,2,3-cd]pyrene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Benzo[g,h,i]perylene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Benzoic acid	ND		3.3		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Azobenzene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Dibenz(a,h)anthracene	ND		0.67		mg/Kg		08/16/12 21:38	08/23/12 18:09	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Nitrobenzene-d5</i>	53		21 - 98				08/16/12 21:38	08/23/12 18:09	10
<i>2-Fluorobiphenyl</i>	68		30 - 112				08/16/12 21:38	08/23/12 18:09	10
<i>Terphenyl-d14</i>	68		32 - 117				08/16/12 21:38	08/23/12 18:09	10
<i>2-Fluorophenol</i>	34		28 - 98				08/16/12 21:38	08/23/12 18:09	10
<i>Phenol-d5</i>	66		23 - 101				08/16/12 21:38	08/23/12 18:09	10
<i>2,4,6-Tribromophenol</i>	60		37 - 114				08/16/12 21:38	08/23/12 18:09	10

Client Sample Results

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

TestAmerica Job ID: 720-43958-1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1100		20		mg/Kg		08/17/12 11:58	08/20/12 11:26	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>p</i> -Terphenyl	0	D X	40 - 130				08/17/12 11:58	08/20/12 11:26	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	900		20		mg/Kg		08/17/12 11:58	08/20/12 11:50	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>p</i> -Terphenyl	0	D X	40 - 130				08/17/12 11:58	08/20/12 11:50	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1400		50		mg/Kg		08/17/12 11:58	08/20/12 12:14	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>p</i> -Terphenyl	0	D X	40 - 130				08/17/12 11:58	08/20/12 12:14	50

Client Sample Results

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

TestAmerica Job ID: 720-43958-1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	980		20		mg/Kg		08/17/12 09:56	08/23/12 10:25	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1				08/17/12 09:56	08/23/12 10:25	20
p-Terphenyl	0	XD	38 - 148				08/17/12 09:56	08/23/12 10:25	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	750		20		mg/Kg		08/28/12 17:49	08/29/12 10:27	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1				08/28/12 17:49	08/29/12 10:27	20
p-Terphenyl	0	XD	38 - 148				08/28/12 17:49	08/29/12 10:27	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1200		50		mg/Kg		08/28/12 17:49	08/29/12 10:51	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1				08/28/12 17:49	08/29/12 10:51	50
p-Terphenyl	0	XD	38 - 148				08/28/12 17:49	08/29/12 10:51	50

Client Sample Results

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

TestAmerica Job ID: 720-43958-1

Method: 6010B - Metals (ICP)

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	16		1.9		mg/Kg		08/15/12 18:32	08/16/12 20:00	4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13		2.0		mg/Kg		08/15/12 18:32	08/16/12 20:14	4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		1.9		mg/Kg		08/15/12 18:32	08/16/12 20:18	4

Client Sample Results

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

TestAmerica Job ID: 720-43958-1

General Chemistry

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	1700		200	24	mg/Kg		08/21/12 11:26	08/21/12 13:37	1
SGT-HEM	370		170	20	mg/Kg		08/21/12 11:26	08/21/12 13:37	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	2200		200	24	mg/Kg		08/21/12 11:26	08/21/12 13:37	1
SGT-HEM	510		170	20	mg/Kg		08/21/12 11:26	08/21/12 13:37	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	2300		200	24	mg/Kg		08/21/12 11:26	08/21/12 13:37	1
SGT-HEM	600		170	20	mg/Kg		08/21/12 11:26	08/21/12 13:37	1

QC Sample Results

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

TestAmerica Job ID: 720-43958-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-119175/1-A

Matrix: Solid

Analysis Batch: 119162

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119175

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/15/12 18:00	08/15/12 19:57	1
Benzene	ND		5.0		ug/Kg		08/15/12 18:00	08/15/12 19:57	1
Ethylene Dibromide	ND		5.0		ug/Kg		08/15/12 18:00	08/15/12 19:57	1
1,2-Dichloroethane	ND		5.0		ug/Kg		08/15/12 18:00	08/15/12 19:57	1
Ethylbenzene	ND		5.0		ug/Kg		08/15/12 18:00	08/15/12 19:57	1
Toluene	ND		5.0		ug/Kg		08/15/12 18:00	08/15/12 19:57	1
Xylenes, Total	ND		10		ug/Kg		08/15/12 18:00	08/15/12 19:57	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/15/12 18:00	08/15/12 19:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		45 - 131	08/15/12 18:00	08/15/12 19:57	1
1,2-Dichloroethane-d4 (Surr)	112		60 - 140	08/15/12 18:00	08/15/12 19:57	1
Toluene-d8 (Surr)	104		58 - 140	08/15/12 18:00	08/15/12 19:57	1

Lab Sample ID: LCS 720-119175/2-A

Matrix: Solid

Analysis Batch: 119162

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119175

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	57.1		ug/Kg		114	70 - 144
Benzene	50.0	53.5		ug/Kg		107	70 - 130
Ethylene Dibromide	50.0	59.9		ug/Kg		120	70 - 140
1,2-Dichloroethane	50.0	55.9		ug/Kg		112	70 - 130
Ethylbenzene	50.0	55.4		ug/Kg		111	80 - 137
Toluene	50.0	53.1		ug/Kg		106	80 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	117		45 - 131
1,2-Dichloroethane-d4 (Surr)	110		60 - 140
Toluene-d8 (Surr)	110		58 - 140

Lab Sample ID: LCS 720-119175/4-A

Matrix: Solid

Analysis Batch: 119162

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119175

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	946		ug/Kg		95	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	111		45 - 131
1,2-Dichloroethane-d4 (Surr)	105		60 - 140
Toluene-d8 (Surr)	110		58 - 140

QC Sample Results

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

TestAmerica Job ID: 720-43958-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-119175/3-A

Matrix: Solid

Analysis Batch: 119162

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119175

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	59.3		ug/Kg		119	70 - 144	4	20
Benzene	50.0	54.3		ug/Kg		109	70 - 130	1	20
Ethylene Dibromide	50.0	63.2		ug/Kg		126	70 - 140	5	20
1,2-Dichloroethane	50.0	57.3		ug/Kg		115	70 - 130	2	20
Ethylbenzene	50.0	55.4		ug/Kg		111	80 - 137	0	20
Toluene	50.0	53.3		ug/Kg		107	80 - 128	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	116		45 - 131
1,2-Dichloroethane-d4 (Surr)	112		60 - 140
Toluene-d8 (Surr)	111		58 - 140

Lab Sample ID: LCSD 720-119175/5-A

Matrix: Solid

Analysis Batch: 119162

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119175

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	928		ug/Kg		93	61 - 128	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	113		45 - 131
1,2-Dichloroethane-d4 (Surr)	109		60 - 140
Toluene-d8 (Surr)	111		58 - 140

Lab Sample ID: MB 720-119566/1-A

Matrix: Solid

Analysis Batch: 119462

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/21/12 07:00	08/21/12 08:40	1
Benzene	ND		5.0		ug/Kg		08/21/12 07:00	08/21/12 08:40	1
Ethylene Dibromide	ND		5.0		ug/Kg		08/21/12 07:00	08/21/12 08:40	1
1,2-Dichloroethane	ND		5.0		ug/Kg		08/21/12 07:00	08/21/12 08:40	1
Ethylbenzene	ND		5.0		ug/Kg		08/21/12 07:00	08/21/12 08:40	1
Toluene	ND		5.0		ug/Kg		08/21/12 07:00	08/21/12 08:40	1
Xylenes, Total	ND		10		ug/Kg		08/21/12 07:00	08/21/12 08:40	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/21/12 07:00	08/21/12 08:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		45 - 131	08/21/12 07:00	08/21/12 08:40	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140	08/21/12 07:00	08/21/12 08:40	1
Toluene-d8 (Surr)	103		58 - 140	08/21/12 07:00	08/21/12 08:40	1

QC Sample Results

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

TestAmerica Job ID: 720-43958-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-119566/2-A

Matrix: Solid

Analysis Batch: 119462

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	53.6		ug/Kg		107	70 - 144
Benzene	50.0	52.6		ug/Kg		105	70 - 130
Ethylene Dibromide	50.0	59.5		ug/Kg		119	70 - 140
1,2-Dichloroethane	50.0	52.2		ug/Kg		104	70 - 130
Ethylbenzene	50.0	54.7		ug/Kg		109	80 - 137
Toluene	50.0	52.6		ug/Kg		105	80 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	110		45 - 131
1,2-Dichloroethane-d4 (Surr)	105		60 - 140
Toluene-d8 (Surr)	108		58 - 140

Lab Sample ID: LCS 720-119566/4-A

Matrix: Solid

Analysis Batch: 119462

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	945		ug/Kg		95	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	108		45 - 131
1,2-Dichloroethane-d4 (Surr)	106		60 - 140
Toluene-d8 (Surr)	113		58 - 140

Lab Sample ID: LCSD 720-119566/3-A

Matrix: Solid

Analysis Batch: 119462

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119566

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	54.4		ug/Kg		109	70 - 144	1	20
Benzene	50.0	53.0		ug/Kg		106	70 - 130	1	20
Ethylene Dibromide	50.0	58.2		ug/Kg		116	70 - 140	2	20
1,2-Dichloroethane	50.0	52.3		ug/Kg		105	70 - 130	0	20
Ethylbenzene	50.0	55.1		ug/Kg		110	80 - 137	1	20
Toluene	50.0	53.4		ug/Kg		107	80 - 128	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	111		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	110		58 - 140

Lab Sample ID: LCSD 720-119566/5-A

Matrix: Solid

Analysis Batch: 119462

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119566

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	962		ug/Kg		96	61 - 128	2	20

QC Sample Results

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

TestAmerica Job ID: 720-43958-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-119566/5-A

Matrix: Solid

Analysis Batch: 119462

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119566

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	106		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	113		58 - 140

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

Lab Sample ID: MB 720-119269/1-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
2-Chlorophenol	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Benzyl alcohol	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
2-Methylphenol	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Hexachloroethane	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Nitrobenzene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Isophorone	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
2-Nitrophenol	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Naphthalene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
4-Chloroaniline	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Hexachlorobutadiene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
2-Methylnaphthalene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
2-Chloronaphthalene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
2-Nitroaniline	ND		0.33		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Acenaphthylene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
3-Nitroaniline	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Acenaphthene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
4-Nitrophenol	ND		0.33		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Dibenzofuran	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Diethyl phthalate	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1

QC Sample Results

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

TestAmerica Job ID: 720-43958-1

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

Lab Sample ID: MB 720-119269/1-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Fluorene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
4-Nitroaniline	ND		0.33		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Hexachlorobenzene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Pentachlorophenol	ND		0.33		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Phenanthrene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Anthracene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Fluoranthene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Pyrene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Chrysene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Benzo[a]pyrene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Benzoic acid	ND		0.33		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Azobenzene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		08/16/12 21:38	08/22/12 22:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	73		21 - 98	08/16/12 21:38	08/22/12 22:42	1
2-Fluorobiphenyl	76		30 - 112	08/16/12 21:38	08/22/12 22:42	1
Terphenyl-d14	94		32 - 117	08/16/12 21:38	08/22/12 22:42	1
2-Fluorophenol	75		28 - 98	08/16/12 21:38	08/22/12 22:42	1
Phenol-d5	68		23 - 101	08/16/12 21:38	08/22/12 22:42	1
2,4,6-Tribromophenol	82		37 - 114	08/16/12 21:38	08/22/12 22:42	1

Lab Sample ID: LCS 720-119269/2-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	1.64	1.13		mg/Kg		69	48 - 115
Bis(2-chloroethyl)ether	1.64	1.19		mg/Kg		72	45 - 115
2-Chlorophenol	1.64	1.20		mg/Kg		73	48 - 115
1,3-Dichlorobenzene	1.64	1.08		mg/Kg		66	41 - 115
1,4-Dichlorobenzene	1.64	1.01		mg/Kg		62	40 - 115
Benzyl alcohol	1.64	1.00		mg/Kg		61	54 - 115
1,2-Dichlorobenzene	1.64	1.10		mg/Kg		67	44 - 115
2-Methylphenol	1.64	1.31		mg/Kg		80	54 - 115

QC Sample Results

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

TestAmerica Job ID: 720-43958-1

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

Lab Sample ID: LCS 720-119269/2-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylphenol, 3 & 4	3.28	2.10		mg/Kg		64	42 - 115
N-Nitrosodi-n-propylamine	1.64	1.24		mg/Kg		76	46 - 115
Hexachloroethane	1.64	1.13		mg/Kg		69	44 - 115
Nitrobenzene	1.64	1.23		mg/Kg		75	48 - 115
Isophorone	1.64	1.32		mg/Kg		81	54 - 115
2-Nitrophenol	1.64	1.23		mg/Kg		75	48 - 115
2,4-Dimethylphenol	1.64	1.25		mg/Kg		76	52 - 115
Bis(2-chloroethoxy)methane	1.64	1.26		mg/Kg		77	46 - 115
2,4-Dichlorophenol	1.64	1.26		mg/Kg		77	49 - 100
1,2,4-Trichlorobenzene	1.64	1.17		mg/Kg		71	47 - 115
Naphthalene	1.64	1.20		mg/Kg		73	44 - 115
4-Chloroaniline	1.64	0.994		mg/Kg		61	30 - 115
Hexachlorobutadiene	1.64	1.20		mg/Kg		73	44 - 115
4-Chloro-3-methylphenol	1.64	1.34		mg/Kg		82	58 - 115
2-Methylnaphthalene	1.64	1.21		mg/Kg		74	49 - 115
Hexachlorocyclopentadiene	1.64	1.37		mg/Kg		83	42 - 132
2,4,6-Trichlorophenol	1.64	1.36		mg/Kg		83	45 - 115
2,4,5-Trichlorophenol	1.64	1.34		mg/Kg		82	48 - 115
2-Chloronaphthalene	1.64	1.31		mg/Kg		80	52 - 115
2-Nitroaniline	1.64	1.43		mg/Kg		87	54 - 115
Dimethyl phthalate	1.64	1.39		mg/Kg		84	64 - 119
Acenaphthylene	1.64	1.52		mg/Kg		93	61 - 129
3-Nitroaniline	1.64	1.23		mg/Kg		75	50 - 115
Acenaphthene	1.64	1.31		mg/Kg		80	50 - 115
2,4-Dinitrophenol	1.64	ND		mg/Kg		27	15 - 115
4-Nitrophenol	1.64	1.34		mg/Kg		82	54 - 125
Dibenzofuran	1.64	1.35		mg/Kg		82	55 - 115
2,4-Dinitrotoluene	1.64	1.49		mg/Kg		91	57 - 115
2,6-Dinitrotoluene	1.64	1.33		mg/Kg		81	54 - 119
Diethyl phthalate	1.64	1.39		mg/Kg		85	49 - 117
4-Chlorophenyl phenyl ether	1.64	1.35		mg/Kg		83	57 - 115
Fluorene	1.64	1.39		mg/Kg		85	54 - 115
4-Nitroaniline	1.64	1.43		mg/Kg		87	59 - 115
2-Methyl-4,6-dinitrophenol	1.64	0.956		mg/Kg		58	39 - 115
N-Nitrosodiphenylamine	1.64	1.23		mg/Kg		75	56 - 115
4-Bromophenyl phenyl ether	1.64	1.32		mg/Kg		81	53 - 115
Hexachlorobenzene	1.64	1.39		mg/Kg		85	55 - 115
Pentachlorophenol	1.64	1.27		mg/Kg		78	35 - 115
Phenanthrene	1.64	1.38		mg/Kg		84	54 - 115
Anthracene	1.64	1.40		mg/Kg		85	55 - 115
Di-n-butyl phthalate	1.64	1.50		mg/Kg		91	55 - 115
Fluoranthene	1.64	1.52		mg/Kg		93	54 - 115
Pyrene	1.64	1.46		mg/Kg		89	48 - 115
Butyl benzyl phthalate	1.64	1.47		mg/Kg		90	53 - 115
3,3'-Dichlorobenzidine	1.64	1.42		mg/Kg		87	42 - 115
Benzo[a]anthracene	1.64	1.49		mg/Kg		91	55 - 115
Bis(2-ethylhexyl) phthalate	1.64	1.42		mg/Kg		87	53 - 115
Chrysene	1.64	1.44		mg/Kg		88	58 - 115
Di-n-octyl phthalate	1.64	1.49		mg/Kg		91	53 - 115
Benzo[b]fluoranthene	1.64	1.35		mg/Kg		82	56 - 115

QC Sample Results

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

TestAmerica Job ID: 720-43958-1

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

Lab Sample ID: LCS 720-119269/2-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	1.64	1.36		mg/Kg		83	55 - 115
Benzo[k]fluoranthene	1.64	1.50		mg/Kg		91	57 - 115
Indeno[1,2,3-cd]pyrene	1.64	1.39		mg/Kg		85	56 - 115
Benzo[g,h,i]perylene	1.64	1.38		mg/Kg		84	56 - 115
Benzoic acid	1.64	0.477		mg/Kg		29	10 - 115
Azobenzene	1.64	1.34		mg/Kg		82	52 - 115
Dibenz(a,h)anthracene	1.64	1.37		mg/Kg		83	58 - 115

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	79		21 - 98
2-Fluorobiphenyl	81		30 - 112
Terphenyl-d14	94		32 - 117
2-Fluorophenol	70		28 - 98
Phenol-d5	74		23 - 101
2,4,6-Tribromophenol	93		37 - 114

Lab Sample ID: LCSD 720-119269/3-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119269

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Phenol	1.65	1.19		mg/Kg		72	48 - 115	5	35
Bis(2-chloroethyl)ether	1.65	1.31		mg/Kg		79	45 - 115	10	35
2-Chlorophenol	1.65	1.28		mg/Kg		77	48 - 115	6	35
1,3-Dichlorobenzene	1.65	1.16		mg/Kg		70	41 - 115	7	35
1,4-Dichlorobenzene	1.65	1.13		mg/Kg		68	40 - 115	11	35
Benzyl alcohol	1.65	1.05		mg/Kg		63	54 - 115	4	35
1,2-Dichlorobenzene	1.65	1.19		mg/Kg		72	44 - 115	8	35
2-Methylphenol	1.65	1.39		mg/Kg		84	54 - 115	6	35
Methylphenol, 3 & 4	3.31	2.22		mg/Kg		67	42 - 115	5	35
N-Nitrosodi-n-propylamine	1.65	1.32		mg/Kg		80	46 - 115	6	35
Hexachloroethane	1.65	1.21		mg/Kg		73	44 - 115	7	35
Nitrobenzene	1.65	1.29		mg/Kg		78	48 - 115	5	35
Isophorone	1.65	1.33		mg/Kg		81	54 - 115	1	35
2-Nitrophenol	1.65	1.30		mg/Kg		79	48 - 115	6	35
2,4-Dimethylphenol	1.65	1.30		mg/Kg		79	52 - 115	4	35
Bis(2-chloroethoxy)methane	1.65	1.32		mg/Kg		80	46 - 115	5	35
2,4-Dichlorophenol	1.65	1.32		mg/Kg		80	49 - 100	5	35
1,2,4-Trichlorobenzene	1.65	1.23		mg/Kg		75	47 - 115	6	35
Naphthalene	1.65	1.28		mg/Kg		77	44 - 115	6	35
4-Chloroaniline	1.65	1.00		mg/Kg		61	30 - 115	1	35
Hexachlorobutadiene	1.65	1.27		mg/Kg		77	44 - 115	6	35
4-Chloro-3-methylphenol	1.65	1.29		mg/Kg		78	58 - 115	4	35
2-Methylnaphthalene	1.65	1.27		mg/Kg		77	49 - 115	4	35
Hexachlorocyclopentadiene	1.65	1.42		mg/Kg		86	42 - 132	4	35
2,4,6-Trichlorophenol	1.65	1.39		mg/Kg		84	45 - 115	2	35
2,4,5-Trichlorophenol	1.65	1.37		mg/Kg		83	48 - 115	3	35
2-Chloronaphthalene	1.65	1.35		mg/Kg		82	52 - 115	3	35
2-Nitroaniline	1.65	1.41		mg/Kg		85	54 - 115	1	35

QC Sample Results

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

TestAmerica Job ID: 720-43958-1

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

Lab Sample ID: LCSD 720-119269/3-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119269

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							RPD	Limit		
Dimethyl phthalate	1.65	1.37		mg/Kg		83	64 - 119	1	35	
Acenaphthylene	1.65	1.51		mg/Kg		91	61 - 129	1	35	
3-Nitroaniline	1.65	1.20		mg/Kg		73	50 - 115	2	35	
Acenaphthene	1.65	1.33		mg/Kg		80	50 - 115	1	35	
2,4-Dinitrophenol	1.65	ND		mg/Kg		21	15 - 115	25	35	
4-Nitrophenol	1.65	1.33		mg/Kg		80	54 - 125	1	35	
Dibenzofuran	1.65	1.35		mg/Kg		82	55 - 115	1	35	
2,4-Dinitrotoluene	1.65	1.48		mg/Kg		89	57 - 115	1	35	
2,6-Dinitrotoluene	1.65	1.32		mg/Kg		80	54 - 119	1	35	
Diethyl phthalate	1.65	1.39		mg/Kg		84	49 - 117	0	35	
4-Chlorophenyl phenyl ether	1.65	1.37		mg/Kg		83	57 - 115	1	35	
Fluorene	1.65	1.38		mg/Kg		84	54 - 115	1	35	
4-Nitroaniline	1.65	1.41		mg/Kg		85	59 - 115	1	35	
2-Methyl-4,6-dinitrophenol	1.65	0.757		mg/Kg		46	39 - 115	23	35	
N-Nitrosodiphenylamine	1.65	1.26		mg/Kg		76	56 - 115	3	35	
4-Bromophenyl phenyl ether	1.65	1.35		mg/Kg		81	53 - 115	2	35	
Hexachlorobenzene	1.65	1.44		mg/Kg		87	55 - 115	3	35	
Pentachlorophenol	1.65	1.23		mg/Kg		74	35 - 115	4	35	
Phenanthrene	1.65	1.40		mg/Kg		85	54 - 115	2	35	
Anthracene	1.65	1.42		mg/Kg		86	55 - 115	1	35	
Di-n-butyl phthalate	1.65	1.52		mg/Kg		92	55 - 115	2	35	
Fluoranthene	1.65	1.53		mg/Kg		92	54 - 115	0	35	
Pyrene	1.65	1.49		mg/Kg		90	48 - 115	2	35	
Butyl benzyl phthalate	1.65	1.49		mg/Kg		90	53 - 115	1	35	
3,3'-Dichlorobenzidine	1.65	1.43		mg/Kg		87	42 - 115	1	35	
Benzo[a]anthracene	1.65	1.45		mg/Kg		88	55 - 115	3	35	
Bis(2-ethylhexyl) phthalate	1.65	1.43		mg/Kg		87	53 - 115	1	35	
Chrysene	1.65	1.50		mg/Kg		90	58 - 115	3	35	
Di-n-octyl phthalate	1.65	1.49		mg/Kg		90	53 - 115	0	35	
Benzo[b]fluoranthene	1.65	1.33		mg/Kg		80	56 - 115	1	35	
Benzo[a]pyrene	1.65	1.34		mg/Kg		81	55 - 115	2	35	
Benzo[k]fluoranthene	1.65	1.48		mg/Kg		90	57 - 115	1	35	
Indeno[1,2,3-cd]pyrene	1.65	1.37		mg/Kg		83	56 - 115	1	35	
Benzo[g,h,i]perylene	1.65	1.39		mg/Kg		84	56 - 115	1	35	
Benzoic acid	1.65	0.397		mg/Kg		24	10 - 115	18	35	
Azobenzene	1.65	1.36		mg/Kg		82	52 - 115	1	35	
Dibenz(a,h)anthracene	1.65	1.36		mg/Kg		82	58 - 115	0	35	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	79		21 - 98
2-Fluorobiphenyl	84		30 - 112
Terphenyl-d14	92		32 - 117
2-Fluorophenol	78		28 - 98
Phenol-d5	79		23 - 101
2,4,6-Tribromophenol	92		37 - 114

QC Sample Results

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

TestAmerica Job ID: 720-43958-1

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

Lab Sample ID: MB 720-119301/1-A

Matrix: Solid

Analysis Batch: 119363

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/17/12 11:58	08/18/12 20:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	97		40 - 130				08/17/12 11:58	08/18/12 20:35	1

Lab Sample ID: LCS 720-119301/2-A

Matrix: Solid

Analysis Batch: 119363

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Diesel Range Organics [C10-C28]	82.5	72.8		mg/Kg		88	50 - 150
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
p-Terphenyl	95		40 - 130				

Lab Sample ID: LCSD 720-119301/3-A

Matrix: Solid

Analysis Batch: 119363

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119301

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.3	70.9		mg/Kg		86	50 - 150	3	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
p-Terphenyl	91		40 - 130						

Lab Sample ID: MB 720-119292/1-A

Matrix: Solid

Analysis Batch: 119381

Client Sample ID: Method Blank

Prep Type: Silica Gel Cleanup

Prep Batch: 119292

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/17/12 09:56	08/20/12 12:14	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.002		0 - 1				08/17/12 09:56	08/20/12 12:14	1
p-Terphenyl	94		38 - 148				08/17/12 09:56	08/20/12 12:14	1

Lab Sample ID: LCS 720-119292/2-A

Matrix: Solid

Analysis Batch: 119381

Client Sample ID: Lab Control Sample

Prep Type: Silica Gel Cleanup

Prep Batch: 119292

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.9	57.1		mg/Kg		69	36 - 112
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
p-Terphenyl	76		38 - 148				

QC Sample Results

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

TestAmerica Job ID: 720-43958-1

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

Lab Sample ID: LCSD 720-119292/3-A

Matrix: Solid

Analysis Batch: 119381

Client Sample ID: Lab Control Sample Dup

Prep Type: Silica Gel Cleanup

Prep Batch: 119292

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	83.1	56.7		mg/Kg		68	36 - 112	1	35
Surrogate		%Recovery	Qualifier						
<i>p-Terphenyl</i>		68							38 - 148

Lab Sample ID: MB 720-119925/1-A

Matrix: Solid

Analysis Batch: 119958

Client Sample ID: Method Blank

Prep Type: Silica Gel Cleanup

Prep Batch: 119925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/28/12 17:49	08/29/12 12:04	1
Surrogate		%Recovery	Qualifier				Prepared	Analyzed	Dil Fac
<i>Capric Acid (Surr)</i>		0.06					08/28/12 17:49	08/29/12 12:04	1
<i>p-Terphenyl</i>		66					08/28/12 17:49	08/29/12 12:04	1

Lab Sample ID: LCS 720-119925/2-A

Matrix: Solid

Analysis Batch: 119958

Client Sample ID: Lab Control Sample

Prep Type: Silica Gel Cleanup

Prep Batch: 119925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.5	65.5		mg/Kg		79	36 - 112		
Surrogate		%Recovery	Qualifier						
<i>p-Terphenyl</i>		78							38 - 148

Lab Sample ID: LCSD 720-119925/3-A

Matrix: Solid

Analysis Batch: 119958

Client Sample ID: Lab Control Sample Dup

Prep Type: Silica Gel Cleanup

Prep Batch: 119925

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.3	60.2		mg/Kg		73	36 - 112	8	35
Surrogate		%Recovery	Qualifier						
<i>p-Terphenyl</i>		71							38 - 148

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-119172/1-A

Matrix: Solid

Analysis Batch: 119265

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50		mg/Kg		08/15/12 18:32	08/16/12 18:22	1

QC Sample Results

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

TestAmerica Job ID: 720-43958-1

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

Lab Sample ID: LCS 720-119172/2-A
Matrix: Solid
Analysis Batch: 119265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119172

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	47.9		mg/Kg		96	80 - 120

Lab Sample ID: LCSD 720-119172/3-A
Matrix: Solid
Analysis Batch: 119265

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119172

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	50.0	47.1		mg/Kg		94	80 - 120	2	20

Lab Sample ID: LCSSRM 720-119172/25-A
Matrix: Solid
Analysis Batch: 119265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119172

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	280	237		mg/Kg		85	62 - 113

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 440-46755/1-A
Matrix: Solid
Analysis Batch: 46801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46755

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	ND		200	24	mg/Kg		08/21/12 11:26	08/21/12 13:37	1
SGT-HEM	ND		170	20	mg/Kg		08/21/12 11:26	08/21/12 13:37	1

Lab Sample ID: LCS 440-46755/2-A
Matrix: Solid
Analysis Batch: 46801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	333	337		mg/Kg		101	78 - 114
SGT-HEM	167	170		mg/Kg		102	70 - 110

Lab Sample ID: LCSD 440-46755/3-A
Matrix: Solid
Analysis Batch: 46801

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46755

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM	333	320		mg/Kg		96	78 - 114	5	11
SGT-HEM	167	ND		mg/Kg		92	70 - 110	12	15

QC Association Summary

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

TestAmerica Job ID: 720-43958-1

GC/MS VOA

Analysis Batch: 119162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-1	EX-5	Total/NA	Solid	8260B	119175
720-43958-2	EX-6	Total/NA	Solid	8260B	119175
720-43958-3	EX-7	Total/NA	Solid	8260B	119175
LCS 720-119175/2-A	Lab Control Sample	Total/NA	Solid	8260B	119175
LCS 720-119175/4-A	Lab Control Sample	Total/NA	Solid	8260B	119175
LCSD 720-119175/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B	119175
LCSD 720-119175/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B	119175
MB 720-119175/1-A	Method Blank	Total/NA	Solid	8260B	119175

Prep Batch: 119175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-1	EX-5	Total/NA	Solid	5030B	
720-43958-2	EX-6	Total/NA	Solid	5030B	
720-43958-3	EX-7	Total/NA	Solid	5030B	
LCS 720-119175/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-119175/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-119175/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-119175/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-119175/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 119462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-2	EX-6	Total/NA	Solid	8260B	119566
720-43958-3	EX-7	Total/NA	Solid	8260B	119566
LCS 720-119566/2-A	Lab Control Sample	Total/NA	Solid	8260B	119566
LCS 720-119566/4-A	Lab Control Sample	Total/NA	Solid	8260B	119566
LCSD 720-119566/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B	119566
LCSD 720-119566/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B	119566
MB 720-119566/1-A	Method Blank	Total/NA	Solid	8260B	119566

Prep Batch: 119566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-2	EX-6	Total/NA	Solid	5030B	
720-43958-3	EX-7	Total/NA	Solid	5030B	
LCS 720-119566/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-119566/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-119566/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-119566/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-119566/1-A	Method Blank	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 119269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-1	EX-5	Total/NA	Solid	3546	
720-43958-2	EX-6	Total/NA	Solid	3546	
720-43958-3	EX-7	Total/NA	Solid	3546	
LCS 720-119269/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-119269/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-119269/1-A	Method Blank	Total/NA	Solid	3546	

QC Association Summary

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

TestAmerica Job ID: 720-43958-1

GC/MS Semi VOA (Continued)

Analysis Batch: 119565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-119269/2-A	Lab Control Sample	Total/NA	Solid	8270C	119269
LCSD 720-119269/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	119269
MB 720-119269/1-A	Method Blank	Total/NA	Solid	8270C	119269

Analysis Batch: 119638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-1	EX-5	Total/NA	Solid	8270C	119269
720-43958-2	EX-6	Total/NA	Solid	8270C	119269
720-43958-3	EX-7	Total/NA	Solid	8270C	119269

GC Semi VOA

Prep Batch: 119292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-1	EX-5	Silica Gel Cleanup	Solid	3546	
LCS 720-119292/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-119292/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-119292/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Prep Batch: 119301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-1	EX-5	Total/NA	Solid	3546	
720-43958-2	EX-6	Total/NA	Solid	3546	
720-43958-3	EX-7	Total/NA	Solid	3546	
LCS 720-119301/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-119301/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-119301/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 119363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-119301/2-A	Lab Control Sample	Total/NA	Solid	8015B	119301
LCSD 720-119301/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	119301
MB 720-119301/1-A	Method Blank	Total/NA	Solid	8015B	119301

Analysis Batch: 119380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-1	EX-5	Total/NA	Solid	8015B	119301
720-43958-2	EX-6	Total/NA	Solid	8015B	119301
720-43958-3	EX-7	Total/NA	Solid	8015B	119301

Analysis Batch: 119381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-119292/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	119292
LCSD 720-119292/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	119292
MB 720-119292/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	119292

Analysis Batch: 119626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-1	EX-5	Silica Gel Cleanup	Solid	8015B	119292

QC Association Summary

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

TestAmerica Job ID: 720-43958-1

GC Semi VOA (Continued)

Prep Batch: 119925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-2	EX-6	Silica Gel Cleanup	Solid	3546	
720-43958-3	EX-7	Silica Gel Cleanup	Solid	3546	
LCS 720-119925/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-119925/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-119925/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 119958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-2	EX-6	Silica Gel Cleanup	Solid	8015B	119925
720-43958-3	EX-7	Silica Gel Cleanup	Solid	8015B	119925
LCS 720-119925/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	119925
LCSD 720-119925/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	119925
MB 720-119925/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	119925

Metals

Prep Batch: 119172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-1	EX-5	Total/NA	Solid	3050B	
720-43958-2	EX-6	Total/NA	Solid	3050B	
720-43958-3	EX-7	Total/NA	Solid	3050B	
LCS 720-119172/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-119172/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-119172/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-119172/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 119265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-1	EX-5	Total/NA	Solid	6010B	119172
720-43958-2	EX-6	Total/NA	Solid	6010B	119172
720-43958-3	EX-7	Total/NA	Solid	6010B	119172
LCS 720-119172/2-A	Lab Control Sample	Total/NA	Solid	6010B	119172
LCSD 720-119172/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	119172
LCSSRM 720-119172/25-A	Lab Control Sample	Total/NA	Solid	6010B	119172
MB 720-119172/1-A	Method Blank	Total/NA	Solid	6010B	119172

General Chemistry

Prep Batch: 46755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-1	EX-5	Total/NA	Solid	9071B	
720-43958-2	EX-6	Total/NA	Solid	9071B	
720-43958-3	EX-7	Total/NA	Solid	9071B	
LCS 440-46755/2-A	Lab Control Sample	Total/NA	Solid	9071B	
LCSD 440-46755/3-A	Lab Control Sample Dup	Total/NA	Solid	9071B	
MB 440-46755/1-A	Method Blank	Total/NA	Solid	9071B	

Analysis Batch: 46801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43958-1	EX-5	Total/NA	Solid	9071B	46755
720-43958-2	EX-6	Total/NA	Solid	9071B	46755
720-43958-3	EX-7	Total/NA	Solid	9071B	46755

QC Association Summary

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

TestAmerica Job ID: 720-43958-1

General Chemistry (Continued)

Analysis Batch: 46801 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-46755/2-A	Lab Control Sample	Total/NA	Solid	9071B	46755
LCSD 440-46755/3-A	Lab Control Sample Dup	Total/NA	Solid	9071B	46755
MB 440-46755/1-A	Method Blank	Total/NA	Solid	9071B	46755

- 1
- 2
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- 12
- 13
- 14

Lab Chronicle

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

TestAmerica Job ID: 720-43958-1

Client Sample ID: EX-5

Lab Sample ID: 720-43958-1

Date Collected: 08/14/12 23:24

Matrix: Solid

Date Received: 08/15/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119175	08/15/12 18:00	LL	TAL SF
Total/NA	Analysis	8260B		1	119162	08/16/12 03:13	AC	TAL SF
Total/NA	Prep	3546			119269	08/16/12 21:38	RU	TAL SF
Total/NA	Analysis	8270C		50	119638	08/23/12 17:17	ML	TAL SF
Total/NA	Prep	3546			119301	08/17/12 11:58	MP	TAL SF
Total/NA	Analysis	8015B		20	119380	08/20/12 11:26	DH	TAL SF
Silica Gel Cleanup	Prep	3546			119292	08/17/12 09:56	MP	TAL SF
Silica Gel Cleanup	Analysis	8015B		20	119626	08/23/12 10:25	JZ	TAL SF
Total/NA	Prep	3050B			119172	08/15/12 18:32	CDT	TAL SF
Total/NA	Analysis	6010B		4	119265	08/16/12 20:00	BA	TAL SF
Total/NA	Prep	9071B			46755	08/21/12 11:26	DA	TAL IRV
Total/NA	Analysis	9071B		1	46801	08/21/12 13:37	DA	TAL IRV

Client Sample ID: EX-6

Lab Sample ID: 720-43958-2

Date Collected: 08/14/12 23:44

Matrix: Solid

Date Received: 08/15/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119175	08/15/12 18:00	LL	TAL SF
Total/NA	Analysis	8260B		1	119162	08/16/12 03:42	AC	TAL SF
Total/NA	Prep	5030B			119566	08/21/12 07:00	AC	TAL SF
Total/NA	Analysis	8260B		1	119462	08/21/12 13:06	AC	TAL SF
Total/NA	Prep	3546			119269	08/16/12 21:38	RU	TAL SF
Total/NA	Analysis	8270C		20	119638	08/23/12 17:45	ML	TAL SF
Total/NA	Prep	3546			119301	08/17/12 11:58	MP	TAL SF
Total/NA	Analysis	8015B		20	119380	08/20/12 11:50	DH	TAL SF
Silica Gel Cleanup	Prep	3546			119925	08/28/12 17:49	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		20	119958	08/29/12 10:27	JZ	TAL SF
Total/NA	Prep	3050B			119172	08/15/12 18:32	CDT	TAL SF
Total/NA	Analysis	6010B		4	119265	08/16/12 20:14	BA	TAL SF
Total/NA	Prep	9071B			46755	08/21/12 11:26	DA	TAL IRV
Total/NA	Analysis	9071B		1	46801	08/21/12 13:37	DA	TAL IRV

Client Sample ID: EX-7

Lab Sample ID: 720-43958-3

Date Collected: 08/14/12 23:59

Matrix: Solid

Date Received: 08/15/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119175	08/15/12 18:00	LL	TAL SF
Total/NA	Analysis	8260B		1	119162	08/16/12 04:11	AC	TAL SF
Total/NA	Prep	5030B			119566	08/21/12 07:00	AC	TAL SF
Total/NA	Analysis	8260B		1	119462	08/21/12 13:35	AC	TAL SF
Total/NA	Prep	3546			119269	08/16/12 21:38	RU	TAL SF
Total/NA	Analysis	8270C		10	119638	08/23/12 18:09	ML	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-43958-1

Client Sample ID: EX-7

Lab Sample ID: 720-43958-3

Date Collected: 08/14/12 23:59

Matrix: Solid

Date Received: 08/15/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			119301	08/17/12 11:58	MP	TAL SF
Total/NA	Analysis	8015B		50	119380	08/20/12 12:14	DH	TAL SF
Silica Gel Cleanup	Prep	3546			119925	08/28/12 17:49	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		50	119958	08/29/12 10:51	JZ	TAL SF
Total/NA	Prep	3050B			119172	08/15/12 18:32	CDT	TAL SF
Total/NA	Analysis	6010B		4	119265	08/16/12 20:18	BA	TAL SF
Total/NA	Prep	9071B			46755	08/21/12 11:26	DA	TAL IRV
Total/NA	Analysis	9071B		1	46801	08/21/12 13:37	DA	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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



Certification Summary

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

TestAmerica Job ID: 720-43958-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arizona	State Program	9	AZ0671	10-13-12
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	07-31-12
New Mexico	State Program	6	N/A	01-31-12
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-12
USDA	Federal		P330-09-00080	06-06-14

Method Summary

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

TestAmerica Job ID: 720-43958-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF
6010B	Metals (ICP)	SW846	TAL SF
9071B	HEM and SGT-HEM	SW846	TAL IRV

Protocol References:

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

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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



Sample Summary

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

TestAmerica Job ID: 720-43958-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-43958-1	EX-5	Solid	08/14/12 23:24	08/15/12 07:00
720-43958-2	EX-6	Solid	08/14/12 23:44	08/15/12 07:00
720-43958-3	EX-7	Solid	08/14/12 23:59	08/15/12 07:00

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CHAIN OF CUSTODY RECORD

JDE NO. 3862

Ref. # 140164

3.7°C

720.43958



TestAmerica
1220 Quarry Lane
Pleasanton, CA 94566

Phone: 925.484.1919

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: 15575 Los Gatos Boulevard, Building C

City/State/Zip: Los Gatos, CA 95032

Project Manager: Gary Messerotes email: gary.messerotes@stantec.com

Telephone Number: 408-356-6124 ext 252

Fax No.: 408-356-6138

Report To: Alicia Falk

Invoice To: Karen Burlingame Goodyear Dept. 110F 1144 E. Market St. Akron, OH 44136-0001

Invoice email: karen.burlingame@goodyear.com

Sampler Name: (Print) Tristan Alhodes

Territory ID: Former Goodyear DEX# 9578, 3430 Castro Valley Boulevard, Castro Valley, CA

Sampler Signature: [Signature]

Project No & ID: 185702561

PO & Quote Number: Goodyear PO No. C4121

Quote No. Posted on TestAmerica Oasis 12-17-08

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 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) W/ Silica Gel Cleanup	8015B - TPH-GRO	4071B 1664 - TRPH	8280B - BTEX, MTBE, EDC, and EDB	8270C - SVOCs	8010B - Lead	RUSH TAT (Pre-Schedule)	RUSH Due Date		Standard TAT 7-10 Business Day	Fax Results	TestAmerica QC Level 2	Electronic Deliverables				
EX-5	8/14/12	2324	1	X										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	EDF Required
EX-6	8/14/12	2344	1	X										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
EX-7	8/14/12	2359	1	X										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Special Instructions: **A copy of the chain of custody must accompany each invoice to Goodyear for payment !!!**
Detection limits (in ug/l) for TPH-DRO/ORO must not exceed 100 ug/l.

EDF REQUIRED GLOBAL ID = T0600101801 SEND ANALYTICAL REPORTS TO alicia.falk@stantec.com

Laboratory Comments:
 Temperature Upon Receipt: Y N
 Sample Containers Intact? Y N
 VOCs Free of Headspace? Y N
 ** Level 4 Deliverables is a Full CLP like data package
 there is a surcharge on all Level 4 data packages.

Relinquished by: <u>[Signature]</u>	Date: 8/15/12	Time: 0625	Received by: <u>Billy L. Linn</u>	Date: 8-15/12	Time: 0625
Relinquished by: <u>Billy L. Linn</u>	Date: 8/15/12	Time: 0700	Received by: <u>[Signature]</u>	Date: 8.15.12	Time: 0700

Salimpour, Afsaneh

From: Falk, Alicia [Alicia.Falk@stantec.com]
Sent: Thursday, August 16, 2012 9:02 AM
To: Salimpour, Afsaneh
Cc: Hardin, Jack; Messerotes, Gary; Rhodes, Tristan
Subject: Goodyear Castro Valley - Additional Analytes
Attachments: Rev COC 43958.pdf; REV COC 081312.pdf

Good Morning Afsaneh,

Attached are revised COCs for the samples submitted for the Goodyear Castro Valley Site on 8/13 and 8/14. Please add a "COMP-1" and make a composite of the four soil samples (EX-1 through EX-4) and analyze it for LUFT F Metals.

Also for the samples submitted on 8/13 and 8/14, please analyze all samples for TPH-DRO with and without silica gel cleanup.

Thank you,
Please note name change

Alicia Jansen (formerly Falk)
Project Scientist
Stantec
15575 Los Gatos Boulevard Building C
Los Gatos CA 95032-2569
Ph: (408) 356-6124 Ext. 261
Fx: (408) 356-6138
Cell: (408) 458-6357
alicia.falk@stantec.com
stantec.com

From: Salimpour, Afsaneh [mailto:afsaneh.salimpour@testamericainc.com]
Sent: Wednesday, August 15, 2012 6:56 PM
To: Falk, Alicia
Subject: Sample Login Confirmation for 720-43958, Goodyear -DEX No.9578,3430 Castro Valley

AFSANEH SALIMPOUR

TestAmerica Pleasanton
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 925.484.1919
www.testamericainc.com

Reference: [110142]
Attachments: 3

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-43958-1

Login Number: 43958

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Apostol, Anita

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



Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-43958-1

Login Number: 43958

List Number: 1

Creator: Perez, Angel

List Source: TestAmerica Irvine

List Creation: 08/16/12 02:03 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 720-44003-1

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

For:
Stantec Consulting Corp.
15575 Los Gatos Blvd
Bldg. C
Los Gatos, California 95032

Attn: Ms. Alicia Falk



Authorized for release by:
9/10/2012 2:47:03 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

TestAmerica Job ID: 720-44003-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
X	Surrogate is outside control limits

General Chemistry

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

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

Case Narrative

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

TestAmerica Job ID: 720-44003-1

Job ID: 720-44003-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-44003-1

Comments

No additional comments.

Receipt

The sample was received on 8/16/2012 6:56 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.7° C.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: Surrogate recovery for the following sample(s) was outside the upper control limit: MW-5@6.5-7 (720-44003-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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: LGB10-S0.0 (720-44011-14).

No other analytical or quality issues were noted.

Metals

No other analytical or quality issues were noted.

General Chemistry

Method(s) 9071B: Analysis for Hexane Extractable Material (HEM) was performed for the following sample(s): MW-5@6.5-7 (720-44003-1). Since the HEM result(s) was below the reporting limit (RL), the result(s) for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 720-44003-1

Client Sample ID: MW-5@6.5-7

Lab Sample ID: 720-44003-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.7		0.99		mg/Kg	1		8015B	Total/NA
Lead	8.0		1.9		mg/Kg	4		6010B	Total/NA

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Client Sample Results

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

TestAmerica Job ID: 720-44003-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MW-5@6.5-7

Date Collected: 08/15/12 19:38

Date Received: 08/16/12 06:56

Lab Sample ID: 720-44003-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		08/20/12 07:30	08/20/12 13:51	1
Benzene	ND		4.8		ug/Kg		08/20/12 07:30	08/20/12 13:51	1
EDB	ND		4.8		ug/Kg		08/20/12 07:30	08/20/12 13:51	1
1,2-DCA	ND		4.8		ug/Kg		08/20/12 07:30	08/20/12 13:51	1
Ethylbenzene	ND		4.8		ug/Kg		08/20/12 07:30	08/20/12 13:51	1
Toluene	ND		4.8		ug/Kg		08/20/12 07:30	08/20/12 13:51	1
Xylenes, Total	ND		9.5		ug/Kg		08/20/12 07:30	08/20/12 13:51	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/20/12 07:30	08/20/12 13:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		45 - 131				08/20/12 07:30	08/20/12 13:51	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140				08/20/12 07:30	08/20/12 13:51	1
Toluene-d8 (Surr)	100		58 - 140				08/20/12 07:30	08/20/12 13:51	1

Client Sample Results

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

TestAmerica Job ID: 720-44003-1

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

Client Sample ID: MW-5@6.5-7

Date Collected: 08/15/12 19:38

Date Received: 08/16/12 06:56

Lab Sample ID: 720-44003-1

Matrix: Solid

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

Client Sample Results

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

TestAmerica Job ID: 720-44003-1

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

(Continued)

Client Sample ID: MW-5@6.5-7

Date Collected: 08/15/12 19:38

Date Received: 08/16/12 06:56

Lab Sample ID: 720-44003-1

Matrix: Solid

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

Client Sample Results

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

TestAmerica Job ID: 720-44003-1

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

Client Sample ID: MW-5@6.5-7
Date Collected: 08/15/12 19:38
Date Received: 08/16/12 06:56

Lab Sample ID: 720-44003-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.7		0.99		mg/Kg		08/21/12 08:08	08/22/12 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	94		40 - 130				08/21/12 08:08	08/22/12 18:08	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

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

TestAmerica Job ID: 720-44003-1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Client Sample ID: MW-5@6.5-7

Date Collected: 08/15/12 19:38

Date Received: 08/16/12 06:56

Lab Sample ID: 720-44003-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/21/12 16:59	08/22/12 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.003		0 - 1				08/21/12 16:59	08/22/12 14:52	1
p-Terphenyl	64		38 - 148				08/21/12 16:59	08/22/12 14:52	1

Client Sample Results

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

TestAmerica Job ID: 720-44003-1

Method: 6010B - Metals (ICP)

Client Sample ID: MW-5@6.5-7

Date Collected: 08/15/12 19:38

Date Received: 08/16/12 06:56

Lab Sample ID: 720-44003-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.0		1.9		mg/Kg		08/20/12 18:56	08/21/12 19:53	4

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

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

TestAmerica Job ID: 720-44003-1

General Chemistry

Client Sample ID: MW-5@6.5-7
Date Collected: 08/15/12 19:38
Date Received: 08/16/12 06:56

Lab Sample ID: 720-44003-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	ND		200	24	mg/Kg		08/23/12 11:46	08/23/12 11:47	1
SGT-HEM	ND	*	170	20	mg/Kg		08/23/12 11:46	08/23/12 11:47	1

QC Sample Results

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

TestAmerica Job ID: 720-44003-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-119485/1-A

Matrix: Solid

Analysis Batch: 119382

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/20/12 07:30	08/20/12 09:29	1
Benzene	ND		5.0		ug/Kg		08/20/12 07:30	08/20/12 09:29	1
EDB	ND		5.0		ug/Kg		08/20/12 07:30	08/20/12 09:29	1
1,2-DCA	ND		5.0		ug/Kg		08/20/12 07:30	08/20/12 09:29	1
Ethylbenzene	ND		5.0		ug/Kg		08/20/12 07:30	08/20/12 09:29	1
Toluene	ND		5.0		ug/Kg		08/20/12 07:30	08/20/12 09:29	1
Xylenes, Total	ND		10		ug/Kg		08/20/12 07:30	08/20/12 09:29	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/20/12 07:30	08/20/12 09:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		45 - 131	08/20/12 07:30	08/20/12 09:29	1
1,2-Dichloroethane-d4 (Surr)	112		60 - 140	08/20/12 07:30	08/20/12 09:29	1
Toluene-d8 (Surr)	101		58 - 140	08/20/12 07:30	08/20/12 09:29	1

Lab Sample ID: LCS 720-119485/2-A

Matrix: Solid

Analysis Batch: 119382

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	52.1		ug/Kg		104	70 - 144
Benzene	50.0	52.5		ug/Kg		105	70 - 130
EDB	50.0	56.8		ug/Kg		114	70 - 140
1,2-DCA	50.0	52.5		ug/Kg		105	70 - 130
Ethylbenzene	50.0	55.2		ug/Kg		110	80 - 137
Toluene	50.0	53.5		ug/Kg		107	80 - 128
m-Xylene & p-Xylene	100	120		ug/Kg		120	70 - 146
o-Xylene	50.0	56.1		ug/Kg		112	70 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	110		45 - 131
1,2-Dichloroethane-d4 (Surr)	104		60 - 140
Toluene-d8 (Surr)	109		58 - 140

Lab Sample ID: LCS 720-119485/4-A

Matrix: Solid

Analysis Batch: 119382

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	964		ug/Kg		96	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	105		45 - 131
1,2-Dichloroethane-d4 (Surr)	106		60 - 140
Toluene-d8 (Surr)	111		58 - 140

QC Sample Results

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

TestAmerica Job ID: 720-44003-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119485/3-A

Matrix: Solid

Analysis Batch: 119382

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119485

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Methyl tert-butyl ether	50.0	52.3		ug/Kg		105	70 - 144	0	20	
Benzene	50.0	52.3		ug/Kg		105	70 - 130	0	20	
EDB	50.0	57.5		ug/Kg		115	70 - 140	1	20	
1,2-DCA	50.0	52.7		ug/Kg		105	70 - 130	0	20	
Ethylbenzene	50.0	54.6		ug/Kg		109	80 - 137	1	20	
Toluene	50.0	52.3		ug/Kg		105	80 - 128	2	20	
m-Xylene & p-Xylene	100	118		ug/Kg		118	70 - 146	2	20	
o-Xylene	50.0	55.3		ug/Kg		111	70 - 140	1	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	112		45 - 131
1,2-Dichloroethane-d4 (Surr)	106		60 - 140
Toluene-d8 (Surr)	110		58 - 140

Lab Sample ID: LCSD 720-119485/5-A

Matrix: Solid

Analysis Batch: 119382

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119485

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO) -C5-C12	1000	951		ug/Kg		95	61 - 128	1	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	107		45 - 131
1,2-Dichloroethane-d4 (Surr)	108		60 - 140
Toluene-d8 (Surr)	112		58 - 140

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

Lab Sample ID: MB 720-119490/1-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119490

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Phenol	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
2-Chlorophenol	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Benzyl alcohol	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
2-Methylphenol	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Hexachloroethane	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Nitrobenzene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Isophorone	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
2-Nitrophenol	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1

QC Sample Results

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

TestAmerica Job ID: 720-44003-1

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

(Continued)

Lab Sample ID: MB 720-119490/1-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119490

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Naphthalene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
4-Chloroaniline	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Hexachlorobutadiene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
2-Methylnaphthalene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
2-Chloronaphthalene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
2-Nitroaniline	ND		0.33		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Acenaphthylene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
3-Nitroaniline	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Acenaphthene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
4-Nitrophenol	ND		0.33		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Dibenzofuran	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Diethyl phthalate	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Fluorene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
4-Nitroaniline	ND		0.33		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Hexachlorobenzene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Pentachlorophenol	ND		0.33		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Phenanthrene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Anthracene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Fluoranthene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Pyrene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Chrysene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Benzo[a]pyrene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Benzoic acid	ND		0.33		mg/Kg		08/21/12 13:16	08/22/12 21:30	1

QC Sample Results

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

TestAmerica Job ID: 720-44003-1

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

(Continued)

Lab Sample ID: MB 720-119490/1-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119490

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azobenzene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		08/21/12 13:16	08/22/12 21:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	78		21 - 98	08/21/12 13:16	08/22/12 21:30	1
2-Fluorobiphenyl	85		30 - 112	08/21/12 13:16	08/22/12 21:30	1
Terphenyl-d14	105		32 - 117	08/21/12 13:16	08/22/12 21:30	1
2-Fluorophenol	79		28 - 98	08/21/12 13:16	08/22/12 21:30	1
Phenol-d5	76		23 - 101	08/21/12 13:16	08/22/12 21:30	1
2,4,6-Tribromophenol	94		37 - 114	08/21/12 13:16	08/22/12 21:30	1

Lab Sample ID: LCS 720-119490/2-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	1.65	1.12		mg/Kg		68	48 - 115
Bis(2-chloroethyl)ether	1.65	1.14		mg/Kg		69	45 - 115
2-Chlorophenol	1.65	1.16		mg/Kg		70	48 - 115
1,3-Dichlorobenzene	1.65	0.964		mg/Kg		58	41 - 115
1,4-Dichlorobenzene	1.65	0.909		mg/Kg		55	40 - 115
Benzyl alcohol	1.65	1.22		mg/Kg		74	54 - 115
1,2-Dichlorobenzene	1.65	1.00		mg/Kg		61	44 - 115
2-Methylphenol	1.65	1.31		mg/Kg		79	54 - 115
Methylphenol, 3 & 4	3.31	2.18		mg/Kg		66	42 - 115
N-Nitrosodi-n-propylamine	1.65	1.29		mg/Kg		78	46 - 115
Hexachloroethane	1.65	0.991		mg/Kg		60	44 - 115
Nitrobenzene	1.65	1.11		mg/Kg		67	48 - 115
Isophorone	1.65	1.35		mg/Kg		82	54 - 115
2-Nitrophenol	1.65	1.22		mg/Kg		74	48 - 115
2,4-Dimethylphenol	1.65	1.27		mg/Kg		77	52 - 115
Bis(2-chloroethoxy)methane	1.65	1.26		mg/Kg		76	46 - 115
2,4-Dichlorophenol	1.65	1.25		mg/Kg		76	49 - 100
1,2,4-Trichlorobenzene	1.65	1.09		mg/Kg		66	47 - 115
Naphthalene	1.65	1.11		mg/Kg		67	44 - 115
4-Chloroaniline	1.65	1.03		mg/Kg		62	30 - 115
Hexachlorobutadiene	1.65	1.01		mg/Kg		61	44 - 115
4-Chloro-3-methylphenol	1.65	1.38		mg/Kg		84	58 - 115
2-Methylnaphthalene	1.65	1.20		mg/Kg		73	49 - 115
Hexachlorocyclopentadiene	1.65	1.32		mg/Kg		80	42 - 132
2,4,6-Trichlorophenol	1.65	1.46		mg/Kg		88	45 - 115
2,4,5-Trichlorophenol	1.65	1.51		mg/Kg		91	48 - 115
2-Chloronaphthalene	1.65	1.34		mg/Kg		81	52 - 115
2-Nitroaniline	1.65	1.58		mg/Kg		95	54 - 115
Dimethyl phthalate	1.65	1.47		mg/Kg		89	64 - 119
Acenaphthylene	1.65	1.58		mg/Kg		96	61 - 129
3-Nitroaniline	1.65	1.39		mg/Kg		84	50 - 115
Acenaphthene	1.65	1.40		mg/Kg		85	50 - 115

QC Sample Results

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

TestAmerica Job ID: 720-44003-1

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

(Continued)

Lab Sample ID: LCS 720-119490/2-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrophenol	1.65	1.02		mg/Kg		62	15 - 115
4-Nitrophenol	1.65	1.58		mg/Kg		95	54 - 125
Dibenzofuran	1.65	1.41		mg/Kg		85	55 - 115
2,4-Dinitrotoluene	1.65	1.67		mg/Kg		101	57 - 115
2,6-Dinitrotoluene	1.65	1.40		mg/Kg		85	54 - 119
Diethyl phthalate	1.65	1.53		mg/Kg		93	49 - 117
4-Chlorophenyl phenyl ether	1.65	1.45		mg/Kg		88	57 - 115
Fluorene	1.65	1.50		mg/Kg		91	54 - 115
4-Nitroaniline	1.65	1.54		mg/Kg		93	59 - 115
2-Methyl-4,6-dinitrophenol	1.65	1.37		mg/Kg		83	39 - 115
N-Nitrosodiphenylamine	1.65	1.40		mg/Kg		85	56 - 115
4-Bromophenyl phenyl ether	1.65	1.48		mg/Kg		90	53 - 115
Hexachlorobenzene	1.65	1.58		mg/Kg		96	55 - 115
Pentachlorophenol	1.65	1.31		mg/Kg		79	35 - 115
Phenanthrene	1.65	1.52		mg/Kg		92	54 - 115
Anthracene	1.65	1.55		mg/Kg		94	55 - 115
Di-n-butyl phthalate	1.65	1.69		mg/Kg		102	55 - 115
Fluoranthene	1.65	1.72		mg/Kg		104	54 - 115
Pyrene	1.65	1.61		mg/Kg		97	48 - 115
Butyl benzyl phthalate	1.65	1.64		mg/Kg		99	53 - 115
3,3'-Dichlorobenzidine	1.65	1.67		mg/Kg		101	42 - 115
Benzo[a]anthracene	1.65	1.65		mg/Kg		100	55 - 115
Bis(2-ethylhexyl) phthalate	1.65	1.58		mg/Kg		95	53 - 115
Chrysene	1.65	1.63		mg/Kg		98	58 - 115
Di-n-octyl phthalate	1.65	1.63		mg/Kg		99	53 - 115
Benzo[b]fluoranthene	1.65	1.51		mg/Kg		91	56 - 115
Benzo[a]pyrene	1.65	1.50		mg/Kg		91	55 - 115
Benzo[k]fluoranthene	1.65	1.59		mg/Kg		96	57 - 115
Indeno[1,2,3-cd]pyrene	1.65	1.44		mg/Kg		87	56 - 115
Benzo[g,h,i]perylene	1.65	1.40		mg/Kg		85	56 - 115
Benzoic acid	1.65	0.384		mg/Kg		23	10 - 115
Azobenzene	1.65	1.49		mg/Kg		90	52 - 115
Dibenz(a,h)anthracene	1.65	1.44		mg/Kg		87	58 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	71		21 - 98
2-Fluorobiphenyl	83		30 - 112
Terphenyl-d14	104		32 - 117
2-Fluorophenol	63		28 - 98
Phenol-d5	73		23 - 101
2,4,6-Tribromophenol	102		37 - 114

Lab Sample ID: LCSD 720-119490/3-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119490

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	1.66	1.24		mg/Kg		75	48 - 115	10	35

QC Sample Results

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

TestAmerica Job ID: 720-44003-1

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

(Continued)

Lab Sample ID: LCSD 720-119490/3-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119490

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-chloroethyl)ether	1.66	1.31		mg/Kg		79	45 - 115	14	35
2-Chlorophenol	1.66	1.29		mg/Kg		78	48 - 115	10	35
1,3-Dichlorobenzene	1.66	1.17		mg/Kg		71	41 - 115	20	35
1,4-Dichlorobenzene	1.66	1.12		mg/Kg		68	40 - 115	21	35
Benzyl alcohol	1.66	1.21		mg/Kg		72	54 - 115	1	35
1,2-Dichlorobenzene	1.66	1.22		mg/Kg		73	44 - 115	19	35
2-Methylphenol	1.66	1.35		mg/Kg		81	54 - 115	3	35
Methylphenol, 3 & 4	3.32	2.28		mg/Kg		69	42 - 115	5	35
N-Nitrosodi-n-propylamine	1.66	1.35		mg/Kg		81	46 - 115	5	35
Hexachloroethane	1.66	1.20		mg/Kg		72	44 - 115	19	35
Nitrobenzene	1.66	1.30		mg/Kg		78	48 - 115	16	35
Isophorone	1.66	1.41		mg/Kg		85	54 - 115	4	35
2-Nitrophenol	1.66	1.35		mg/Kg		81	48 - 115	10	35
2,4-Dimethylphenol	1.66	1.31		mg/Kg		79	52 - 115	4	35
Bis(2-chloroethoxy)methane	1.66	1.30		mg/Kg		78	46 - 115	4	35
2,4-Dichlorophenol	1.66	1.37		mg/Kg		82	49 - 100	9	35
1,2,4-Trichlorobenzene	1.66	1.24		mg/Kg		74	47 - 115	13	35
Naphthalene	1.66	1.28		mg/Kg		77	44 - 115	14	35
4-Chloroaniline	1.66	1.04		mg/Kg		63	30 - 115	2	35
Hexachlorobutadiene	1.66	1.25		mg/Kg		75	44 - 115	22	35
4-Chloro-3-methylphenol	1.66	1.38		mg/Kg		83	58 - 115	1	35
2-Methylnaphthalene	1.66	1.31		mg/Kg		79	49 - 115	9	35
Hexachlorocyclopentadiene	1.66	1.49		mg/Kg		90	42 - 132	12	35
2,4,6-Trichlorophenol	1.66	1.49		mg/Kg		89	45 - 115	2	35
2,4,5-Trichlorophenol	1.66	1.44		mg/Kg		87	48 - 115	5	35
2-Chloronaphthalene	1.66	1.43		mg/Kg		86	52 - 115	6	35
2-Nitroaniline	1.66	1.52		mg/Kg		91	54 - 115	4	35
Dimethyl phthalate	1.66	1.47		mg/Kg		89	64 - 119	0	35
Acenaphthylene	1.66	1.59		mg/Kg		96	61 - 129	0	35
3-Nitroaniline	1.66	1.28		mg/Kg		77	50 - 115	8	35
Acenaphthene	1.66	1.40		mg/Kg		84	50 - 115	0	35
2,4-Dinitrophenol	1.66	ND	*	mg/Kg		33	15 - 115	59	35
4-Nitrophenol	1.66	1.48		mg/Kg		89	54 - 125	6	35
Dibenzofuran	1.66	1.43		mg/Kg		86	55 - 115	1	35
2,4-Dinitrotoluene	1.66	1.58		mg/Kg		95	57 - 115	6	35
2,6-Dinitrotoluene	1.66	1.39		mg/Kg		84	54 - 119	1	35
Diethyl phthalate	1.66	1.46		mg/Kg		88	49 - 117	5	35
4-Chlorophenyl phenyl ether	1.66	1.45		mg/Kg		87	57 - 115	0	35
Fluorene	1.66	1.48		mg/Kg		89	54 - 115	2	35
4-Nitroaniline	1.66	1.49		mg/Kg		90	59 - 115	3	35
2-Methyl-4,6-dinitrophenol	1.66	1.04		mg/Kg		62	39 - 115	27	35
N-Nitrosodiphenylamine	1.66	1.34		mg/Kg		81	56 - 115	4	35
4-Bromophenyl phenyl ether	1.66	1.40		mg/Kg		84	53 - 115	5	35
Hexachlorobenzene	1.66	1.54		mg/Kg		93	55 - 115	3	35
Pentachlorophenol	1.66	1.25		mg/Kg		75	35 - 115	5	35
Phenanthrene	1.66	1.53		mg/Kg		92	54 - 115	1	35
Anthracene	1.66	1.53		mg/Kg		92	55 - 115	2	35
Di-n-butyl phthalate	1.66	1.60		mg/Kg		96	55 - 115	6	35

QC Sample Results

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

TestAmerica Job ID: 720-44003-1

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

(Continued)

Lab Sample ID: LCSD 720-119490/3-A

Matrix: Solid

Analysis Batch: 119565

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119490

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoranthene	1.66	1.63		mg/Kg		98	54 - 115	5	35
Pyrene	1.66	1.57		mg/Kg		94	48 - 115	3	35
Butyl benzyl phthalate	1.66	1.60		mg/Kg		96	53 - 115	2	35
3,3'-Dichlorobenzidine	1.66	1.45		mg/Kg		87	42 - 115	14	35
Benzo[a]anthracene	1.66	1.57		mg/Kg		94	55 - 115	5	35
Bis(2-ethylhexyl) phthalate	1.66	1.52		mg/Kg		91	53 - 115	4	35
Chrysene	1.66	1.55		mg/Kg		93	58 - 115	5	35
Di-n-octyl phthalate	1.66	1.57		mg/Kg		94	53 - 115	4	35
Benzo[b]fluoranthene	1.66	1.50		mg/Kg		90	56 - 115	1	35
Benzo[a]pyrene	1.66	1.46		mg/Kg		88	55 - 115	3	35
Benzo[k]fluoranthene	1.66	1.52		mg/Kg		91	57 - 115	5	35
Indeno[1,2,3-cd]pyrene	1.66	1.43		mg/Kg		86	56 - 115	1	35
Benzo[g,h,i]perylene	1.66	1.41		mg/Kg		85	56 - 115	1	35
Benzoic acid	1.66	ND		mg/Kg		19	10 - 115	20	35
Azobenzene	1.66	1.43		mg/Kg		86	52 - 115	3	35
Dibenz(a,h)anthracene	1.66	1.41		mg/Kg		85	58 - 115	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5	81		21 - 98
2-Fluorobiphenyl	85		30 - 112
Terphenyl-d14	94		32 - 117
2-Fluorophenol	75		28 - 98
Phenol-d5	78		23 - 101
2,4,6-Tribromophenol	97		37 - 114

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

Lab Sample ID: MB 720-119474/1-A

Matrix: Solid

Analysis Batch: 119537

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119474

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/21/12 08:08	08/22/12 22:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	101		40 - 130	08/21/12 08:08	08/22/12 22:13	1

Lab Sample ID: LCS 720-119474/2-A

Matrix: Solid

Analysis Batch: 119537

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119474

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.8	71.5		mg/Kg		86	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	91		40 - 130

QC Sample Results

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

TestAmerica Job ID: 720-44003-1

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

Lab Sample ID: LCSD 720-119474/3-A

Matrix: Solid

Analysis Batch: 119537

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119474

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.5	71.2		mg/Kg		86	50 - 150	0	35
Surrogate	%Recovery	LCSD Qualifier	Limits						
<i>p-Terphenyl</i>	91		40 - 130						

Lab Sample ID: MB 720-119516/1-A

Matrix: Solid

Analysis Batch: 119537

Client Sample ID: Method Blank

Prep Type: Silica Gel Cleanup

Prep Batch: 119516

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/21/12 16:59	08/22/12 13:08	1
Surrogate	%Recovery	MB Qualifier	Limits						
<i>Capric Acid (Surr)</i>	0.01		0 - 1						
<i>p-Terphenyl</i>	90		38 - 148						
							Prepared	Analyzed	Dil Fac
							08/21/12 16:59	08/22/12 13:08	1
							08/21/12 16:59	08/22/12 13:08	1

Lab Sample ID: LCS 720-119516/2-A

Matrix: Solid

Analysis Batch: 119537

Client Sample ID: Lab Control Sample

Prep Type: Silica Gel Cleanup

Prep Batch: 119516

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	82.9	57.4		mg/Kg		69	36 - 112		
Surrogate	%Recovery	LCS Qualifier	Limits						
<i>p-Terphenyl</i>	81		38 - 148						

Lab Sample ID: LCSD 720-119516/3-A

Matrix: Solid

Analysis Batch: 119537

Client Sample ID: Lab Control Sample Dup

Prep Type: Silica Gel Cleanup

Prep Batch: 119516

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.0	73.9		mg/Kg		90	36 - 112	25	35
Surrogate	%Recovery	LCSD Qualifier	Limits						
<i>p-Terphenyl</i>	102		38 - 148						

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-119448/1-A

Matrix: Solid

Analysis Batch: 119531

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119448

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50		mg/Kg		08/20/12 18:56	08/21/12 18:59	1

QC Sample Results

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

TestAmerica Job ID: 720-44003-1

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

Lab Sample ID: LCS 720-119448/2-A

Matrix: Solid

Analysis Batch: 119531

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119448

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	48.1		mg/Kg		96	80 - 120

Lab Sample ID: LCSD 720-119448/3-A

Matrix: Solid

Analysis Batch: 119531

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119448

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	50.0	48.2		mg/Kg		96	80 - 120	0	20

Lab Sample ID: LCSSRM 720-119448/25-A

Matrix: Solid

Analysis Batch: 119531

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119448

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	280	267		mg/Kg		95	62 - 113

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 440-47369/1-A

Matrix: Solid

Analysis Batch: 47371

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	ND		200	24	mg/Kg		08/23/12 11:39	08/23/12 11:47	1

Lab Sample ID: LCS 440-47369/2-A

Matrix: Solid

Analysis Batch: 47371

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47369

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	333	320		mg/Kg		96	78 - 114
SGT-HEM	167			mg/Kg		NaN	70 - 110

Lab Sample ID: LCSD 440-47369/3-A

Matrix: Solid

Analysis Batch: 47371

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47369

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM	333	340		mg/Kg		102	78 - 114	6	11
SGT-HEM	167			mg/Kg		NaN	70 - 110	NaN	15

Lab Sample ID: 720-44003-1 MS

Matrix: Solid

Analysis Batch: 47371

Client Sample ID: MW-5@6.5-7

Prep Type: Total/NA

Prep Batch: 47369

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	ND		333	297		mg/Kg		89	78 - 114
SGT-HEM	ND	*	167			mg/Kg		0	70 - 115

QC Sample Results

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

TestAmerica Job ID: 720-44003-1

Method: 9071B - HEM and SGT-HEM (Continued)

Lab Sample ID: 720-44003-1 MSD
 Matrix: Solid
 Analysis Batch: 47371

Client Sample ID: MW-5@6.5-7
 Prep Type: Total/NA
 Prep Batch: 47369

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM	ND		333	313		mg/Kg		94	78 - 114	5	18
SGT-HEM	ND	*	167			mg/Kg		0	70 - 115	NC	20

- 1
- 2
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- 4
- 5
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- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Association Summary

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

TestAmerica Job ID: 720-44003-1

GC/MS VOA

Analysis Batch: 119382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44003-1	MW-5@6.5-7	Total/NA	Solid	8260B/CA_LUFT MS	119485
LCS 720-119485/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119485
LCS 720-119485/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119485
LCSD 720-119485/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119485
LCSD 720-119485/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119485
MB 720-119485/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	119485

Prep Batch: 119485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44003-1	MW-5@6.5-7	Total/NA	Solid	5030B	
LCS 720-119485/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-119485/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-119485/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-119485/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-119485/1-A	Method Blank	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 119490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44003-1	MW-5@6.5-7	Total/NA	Solid	3546	
LCS 720-119490/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-119490/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-119490/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 119565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-119490/2-A	Lab Control Sample	Total/NA	Solid	8270C	119490
LCSD 720-119490/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	119490
MB 720-119490/1-A	Method Blank	Total/NA	Solid	8270C	119490

Analysis Batch: 119638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44003-1	MW-5@6.5-7	Total/NA	Solid	8270C	119490

GC Semi VOA

Prep Batch: 119474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44003-1	MW-5@6.5-7	Total/NA	Solid	3546	
LCS 720-119474/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-119474/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-119474/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 119516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44003-1	MW-5@6.5-7	Silica Gel Cleanup	Solid	3546	

QC Association Summary

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

TestAmerica Job ID: 720-44003-1

GC Semi VOA (Continued)

Prep Batch: 119516 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-119516/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-119516/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-119516/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 119537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44003-1	MW-5@6.5-7	Silica Gel Cleanup	Solid	8015B	119516
720-44003-1	MW-5@6.5-7	Total/NA	Solid	8015B	119474
LCS 720-119474/2-A	Lab Control Sample	Total/NA	Solid	8015B	119474
LCS 720-119516/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	119516
LCSD 720-119474/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	119474
LCSD 720-119516/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	119516
MB 720-119474/1-A	Method Blank	Total/NA	Solid	8015B	119474
MB 720-119516/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	119516

Metals

Prep Batch: 119448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44003-1	MW-5@6.5-7	Total/NA	Solid	3050B	
LCS 720-119448/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-119448/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-119448/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-119448/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 119531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44003-1	MW-5@6.5-7	Total/NA	Solid	6010B	119448
LCS 720-119448/2-A	Lab Control Sample	Total/NA	Solid	6010B	119448
LCSD 720-119448/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	119448
LCSSRM 720-119448/25-A	Lab Control Sample	Total/NA	Solid	6010B	119448
MB 720-119448/1-A	Method Blank	Total/NA	Solid	6010B	119448

General Chemistry

Prep Batch: 47369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44003-1	MW-5@6.5-7	Total/NA	Solid	9071B	
720-44003-1 MS	MW-5@6.5-7	Total/NA	Solid	9071B	
720-44003-1 MSD	MW-5@6.5-7	Total/NA	Solid	9071B	
LCS 440-47369/2-A	Lab Control Sample	Total/NA	Solid	9071B	
LCSD 440-47369/3-A	Lab Control Sample Dup	Total/NA	Solid	9071B	
MB 440-47369/1-A	Method Blank	Total/NA	Solid	9071B	

Analysis Batch: 47371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44003-1	MW-5@6.5-7	Total/NA	Solid	9071B	47369
720-44003-1 MS	MW-5@6.5-7	Total/NA	Solid	9071B	47369
720-44003-1 MSD	MW-5@6.5-7	Total/NA	Solid	9071B	47369
LCS 440-47369/2-A	Lab Control Sample	Total/NA	Solid	9071B	47369
LCSD 440-47369/3-A	Lab Control Sample Dup	Total/NA	Solid	9071B	47369
MB 440-47369/1-A	Method Blank	Total/NA	Solid	9071B	47369

Lab Chronicle

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

TestAmerica Job ID: 720-44003-1

Client Sample ID: MW-5@6.5-7

Lab Sample ID: 720-44003-1

Date Collected: 08/15/12 19:38

Matrix: Solid

Date Received: 08/16/12 06:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119485	08/20/12 07:30	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119382	08/20/12 13:51	AC	TAL SF
Total/NA	Prep	3546			119490	08/21/12 13:16	NP	TAL SF
Total/NA	Analysis	8270C		1	119638	08/23/12 16:47	ML	TAL SF
Silica Gel Cleanup	Prep	3546			119516	08/21/12 16:59	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	119537	08/22/12 14:52	DH	TAL SF
Total/NA	Prep	3546			119474	08/21/12 08:08	NP	TAL SF
Total/NA	Analysis	8015B		1	119537	08/22/12 18:08	DH	TAL SF
Total/NA	Prep	3050B			119448	08/20/12 18:56	CDT	TAL SF
Total/NA	Analysis	6010B		4	119531	08/21/12 19:53	BA	TAL SF
Total/NA	Prep	9071B			47369	08/23/12 11:46	DA	TAL IRV
Total/NA	Analysis	9071B		1	47371	08/23/12 11:47	DA	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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



Certification Summary

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

TestAmerica Job ID: 720-44003-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arizona	State Program	9	AZ0671	10-13-12
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	07-31-12
New Mexico	State Program	6	N/A	01-31-12
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-12
USDA	Federal		P330-09-00080	06-06-14

Method Summary

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

TestAmerica Job ID: 720-44003-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL SF
8270C	Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF
6010B	Metals (ICP)	SW846	TAL SF
9071B	HEM and SGT-HEM	SW846	TAL IRV

Protocol References:

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

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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



Sample Summary

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

TestAmerica Job ID: 720-44003-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44003-1	MW-5@6.5-7	Solid	08/15/12 19:38	08/16/12 06:56

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CHAIN OF CUSTODY RECORD

JDE NO. 3862

Ref. # 140201

2.7°C

720 44003



TestAmerica
1220 Quarry Lane
Pleasanton, CA 94566

Phone: 925.484.1919

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: 15575 Los Gatos Boulevard, Building C

City/State/Zip: Los Gatos, CA 95032

Project Manager: Gary Messerotes email: gary.messerotes@stantec.com

Telephone Number: 408-356-6124 ext 252

Fax No.: 408-356-6138

Report To: Alicia Falk

Invoice To: Karen Burlingame Goodyear Dept. 110F 1144 E. Market St. Akron, OH 44136-0001

Invoice email: karen.burlingame@goodyear.com

Sampler Name: (Print) Tristan Rhodes

Territory ID:

Former Goodyear DEX# 9578, 3430 Castro Valley Boulevard, Castro Valley, CA

Sampler Signature: [Signature]

Project No & ID: 185702561

PO & Quote Number: Goodyear PO No. C4121

Quote No. Posted on TestAmerica Oasis 12-17-08

Sample ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative								Matrix		Analyze For:	RUSH TAT (Pre-Schedule)	RUSH Due Date	Standard TAT* 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)									8015 - TPH-DRO (C10 to C28)	8015B - TPH-GRO	
MW-5 @ 6.5-7'	8/15/12	1938	1	X											X	X											EDF Required

Special Instructions: **A copy of the chain of custody must accompany each invoice to Goodyear for payment !!!**
Detection limits (in ug/l) for TPH-DRO/ORO must not exceed 100 ug/l.

Laboratory Comments:

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

EDF REQUIRED GLOBAL ID = T0600101801 SEND ANALYTICAL REPORTS TO alicia.falk@stantec.com

Relinquished by: <u>[Signature]</u>	Date: 8/16/12	Time: 0612	Received by: <u>Billy L. Lann</u>	Date: 8-16-12	Time: 0612
Relinquished by: <u>Billy L. Lann</u>	Date: 8/16/12	Time: 0656	Received by TestAmerica: <u>[Signature]</u>	Date: 8-16-12	Time: 0656

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

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-44003-1

Login Number: 44003

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Apostol, Anita

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



Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-44003-1

Login Number: 44003

List Number: 1

Creator: Avila, Stephanie

List Source: TestAmerica Irvine

List Creation: 08/21/12 03:56 PM

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



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 720-44028-1
Client Project/Site: Goodyear -DEX No.9578,3430 Castro Valley

For:
Stantec Consulting Corp.
15575 Los Gatos Blvd
Bldg. C
Los Gatos, California 95032

Attn: Ms. Alicia Falk



Authorized for release by:
8/30/2012 1:01:24 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

TestAmerica Job ID: 720-44028-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits

Glossary

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

Case Narrative

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

TestAmerica Job ID: 720-44028-1

Job ID: 720-44028-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-44028-1

Comments

No additional comments.

Receipt

The samples were received on 8/17/2012 6:58 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.7° C.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for batch #119817 exceeded control limits for the following analyte(s): Benzoic acid. Benzoic acid has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. <<Add if qualifies>> Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified.

Method(s) 8270C: The following sample(s) was diluted due to the abundance of non-target analytes: EX-10 (720-44028-3), EX-11 (720-44028-4), EX-12 (720-44028-5), EX-13 (720-44028-6), EX-8 (720-44028-1), EX-9 (720-44028-2). Elevated reporting limits (RLs) are provided.

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: EX-10 (720-44028-3), EX-11 (720-44028-4), EX-12 (720-44028-5), EX-8 (720-44028-1), EX-9 (720-44028-2).

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: EX-10 (720-44028-3), EX-11 (720-44028-4), EX-12 (720-44028-5), EX-8 (720-44028-1), EX-9 (720-44028-2).

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: (720-44049-2 MS), (720-44049-2 MSD), EX-15 (720-44049-2).

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

Method(s) 9071B: Analysis for Hexane Extractable Material (HEM) was performed for the following sample(s): EX-13 (720-44028-6). Since the HEM result(s) was below the reporting limit (RL), the result(s) for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

Method(s) 9071B: Analysis for Hexane Extractable Material (HEM) was performed for the following sample(s): MW-1 (440-21060-1). Since the HEM result(s) was below the reporting limit (RL), the result(s) for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

No other analytical or quality issues were noted.

Organic Prep

Case Narrative

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

TestAmerica Job ID: 720-44028-1

Job ID: 720-44028-1 (Continued)

Laboratory: TestAmerica Pleasanton (Continued)

No analytical or quality issues were noted.

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Detection Summary

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

TestAmerica Job ID: 720-44028-1

Client Sample ID: EX-8

Lab Sample ID: 720-44028-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	5.7		4.8		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Benzene	120		4.8		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	270		4.8		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Toluene	110		4.8		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	3900		46		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	31000		1200		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	1.6		0.33		mg/Kg	5		8270C	Total/NA
2-Methylnaphthalene	2.4		0.33		mg/Kg	5		8270C	Total/NA
Phenanthrene	0.37		0.33		mg/Kg	5		8270C	Total/NA
Pyrene	0.38		0.33		mg/Kg	5		8270C	Total/NA
Diesel Range Organics [C10-C28]	2000		50		mg/Kg	50		8015B	Total/NA
Diesel Range Organics [C10-C28]	2000		50		mg/Kg	50		8015B	Silica Gel Cleanup
Lead	26		1.9		mg/Kg	4		6010B	Total/NA
HEM	800		200	24	mg/Kg	1		9071B	Total/NA

Client Sample ID: EX-9

Lab Sample ID: 720-44028-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	30		4.7		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	140		4.7		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Toluene	53		4.7		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	75		45		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	6300		1100		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	0.71		0.33		mg/Kg	5		8270C	Total/NA
2-Methylnaphthalene	0.89		0.33		mg/Kg	5		8270C	Total/NA
Diesel Range Organics [C10-C28]	1200		20		mg/Kg	20		8015B	Total/NA
Diesel Range Organics [C10-C28]	930		20		mg/Kg	20		8015B	Silica Gel Cleanup
Lead	15		2.0		mg/Kg	4		6010B	Total/NA
HEM	1900		200	24	mg/Kg	1		9071B	Total/NA
SGT-HEM	420		170	20	mg/Kg	1		9071B	Total/NA

Client Sample ID: EX-10

Lab Sample ID: 720-44028-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	85		4.9		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	320		4.9		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Toluene	410		24		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	3300		48		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	25000		1200		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	2.3		0.33		mg/Kg	5		8270C	Total/NA

Detection Summary

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

TestAmerica Job ID: 720-44028-1

Client Sample ID: EX-10 (Continued)

Lab Sample ID: 720-44028-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	3.5		0.33		mg/Kg	5		8270C	Total/NA
Phenanthrene	0.47		0.33		mg/Kg	5		8270C	Total/NA
Fluoranthene	0.35		0.33		mg/Kg	5		8270C	Total/NA
Pyrene	0.56		0.33		mg/Kg	5		8270C	Total/NA
Diesel Range Organics [C10-C28]	2600		50		mg/Kg	50		8015B	Total/NA
Diesel Range Organics [C10-C28]	2300		50		mg/Kg	50		8015B	Silica Gel Cleanup
Lead	0.31		0.020		mg/Kg	4		6010B	Total/NA
HEM	2300		200	24	mg/Kg	1		9071B	Total/NA
SGT-HEM	630		170	20	mg/Kg	1		9071B	Total/NA

Client Sample ID: EX-11

Lab Sample ID: 720-44028-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	2400		250		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	990		20		mg/Kg	20		8015B	Total/NA
Diesel Range Organics [C10-C28]	670		20		mg/Kg	20		8015B	Silica Gel Cleanup
Lead	17		1.9		mg/Kg	4		6010B	Total/NA
HEM	1100		200	24	mg/Kg	1		9071B	Total/NA
SGT-HEM	240		170	20	mg/Kg	1		9071B	Total/NA

Client Sample ID: EX-12

Lab Sample ID: 720-44028-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	19		4.9		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	1000		250		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	810		20		mg/Kg	20		8015B	Total/NA
Diesel Range Organics [C10-C28]	740		20		mg/Kg	20		8015B	Silica Gel Cleanup
Lead	9.3		1.9		mg/Kg	4		6010B	Total/NA
HEM	700		200	24	mg/Kg	1		9071B	Total/NA

Client Sample ID: EX-13

Lab Sample ID: 720-44028-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	9.2		1.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	6.8		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Lead	12		1.9		mg/Kg	4		6010B	Total/NA

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	5.7		4.8		ug/Kg		08/20/12 07:30	08/20/12 18:12	1
Benzene	120		4.8		ug/Kg		08/20/12 07:30	08/20/12 18:12	1
EDB	ND		4.8		ug/Kg		08/20/12 07:30	08/20/12 18:12	1
1,2-DCA	ND		4.8		ug/Kg		08/20/12 07:30	08/20/12 18:12	1
Ethylbenzene	270		4.8		ug/Kg		08/20/12 07:30	08/20/12 18:12	1
Toluene	110		4.8		ug/Kg		08/20/12 07:30	08/20/12 18:12	1
Xylenes, Total	3900		46		ug/Kg		08/21/12 20:20	08/21/12 23:05	1
Gasoline Range Organics (GRO) -C5-C12	31000		1200		ug/Kg		08/21/12 20:20	08/21/12 23:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		45 - 131				08/20/12 07:30	08/20/12 18:12	1
4-Bromofluorobenzene	106		45 - 131				08/21/12 20:20	08/21/12 23:05	1
1,2-Dichloroethane-d4 (Surr)	125		60 - 140				08/20/12 07:30	08/20/12 18:12	1
1,2-Dichloroethane-d4 (Surr)	106		60 - 140				08/21/12 20:20	08/21/12 23:05	1
Toluene-d8 (Surr)	104		58 - 140				08/20/12 07:30	08/20/12 18:12	1
Toluene-d8 (Surr)	112		58 - 140				08/21/12 20:20	08/21/12 23:05	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		08/20/12 07:30	08/20/12 18:41	1
Benzene	30		4.7		ug/Kg		08/20/12 07:30	08/20/12 18:41	1
EDB	ND		4.7		ug/Kg		08/20/12 07:30	08/20/12 18:41	1
1,2-DCA	ND		4.7		ug/Kg		08/20/12 07:30	08/20/12 18:41	1
Ethylbenzene	140		4.7		ug/Kg		08/20/12 07:30	08/20/12 18:41	1
Toluene	53		4.7		ug/Kg		08/20/12 07:30	08/20/12 18:41	1
Xylenes, Total	75		45		ug/Kg		08/21/12 20:20	08/21/12 23:34	1
Gasoline Range Organics (GRO) -C5-C12	6300		1100		ug/Kg		08/21/12 20:20	08/21/12 23:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		45 - 131				08/20/12 07:30	08/20/12 18:41	1
4-Bromofluorobenzene	106		45 - 131				08/21/12 20:20	08/21/12 23:34	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 140				08/20/12 07:30	08/20/12 18:41	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 140				08/21/12 20:20	08/21/12 23:34	1
Toluene-d8 (Surr)	106		58 - 140				08/20/12 07:30	08/20/12 18:41	1
Toluene-d8 (Surr)	110		58 - 140				08/21/12 20:20	08/21/12 23:34	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		08/20/12 21:31	08/21/12 01:29	1
Benzene	85		4.9		ug/Kg		08/20/12 21:31	08/21/12 01:29	1
EDB	ND		4.9		ug/Kg		08/20/12 21:31	08/21/12 01:29	1
1,2-DCA	ND		4.9		ug/Kg		08/20/12 21:31	08/21/12 01:29	1
Ethylbenzene	320		4.9		ug/Kg		08/20/12 21:31	08/21/12 01:29	1
Toluene	410		24		ug/Kg		08/21/12 20:20	08/22/12 00:03	1
Xylenes, Total	3300		48		ug/Kg		08/21/12 20:20	08/22/12 00:03	1

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	25000		1200		ug/Kg		08/21/12 20:20	08/22/12 00:03	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		45 - 131				08/20/12 21:31	08/21/12 01:29	1
4-Bromofluorobenzene	100		45 - 131				08/21/12 20:20	08/22/12 00:03	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140				08/20/12 21:31	08/21/12 01:29	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				08/21/12 20:20	08/22/12 00:03	1
Toluene-d8 (Surr)	94		58 - 140				08/20/12 21:31	08/21/12 01:29	1
Toluene-d8 (Surr)	110		58 - 140				08/21/12 20:20	08/22/12 00:03	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/20/12 21:31	08/21/12 01:57	1
Benzene	ND		5.0		ug/Kg		08/20/12 21:31	08/21/12 01:57	1
EDB	ND		5.0		ug/Kg		08/20/12 21:31	08/21/12 01:57	1
1,2-DCA	ND		5.0		ug/Kg		08/20/12 21:31	08/21/12 01:57	1
Ethylbenzene	ND		5.0		ug/Kg		08/20/12 21:31	08/21/12 01:57	1
Toluene	ND		5.0		ug/Kg		08/20/12 21:31	08/21/12 01:57	1
Xylenes, Total	ND		9.9		ug/Kg		08/20/12 21:31	08/21/12 01:57	1
Gasoline Range Organics (GRO)	2400		250		ug/Kg		08/20/12 21:31	08/21/12 01:57	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		45 - 131				08/20/12 21:31	08/21/12 01:57	1
1,2-Dichloroethane-d4 (Surr)	108		60 - 140				08/20/12 21:31	08/21/12 01:57	1
Toluene-d8 (Surr)	91		58 - 140				08/20/12 21:31	08/21/12 01:57	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		08/20/12 21:31	08/21/12 02:26	1
Benzene	ND		4.9		ug/Kg		08/20/12 21:31	08/21/12 02:26	1
EDB	ND		4.9		ug/Kg		08/20/12 21:31	08/21/12 02:26	1
1,2-DCA	ND		4.9		ug/Kg		08/20/12 21:31	08/21/12 02:26	1
Ethylbenzene	19		4.9		ug/Kg		08/20/12 21:31	08/21/12 02:26	1
Toluene	ND		4.9		ug/Kg		08/20/12 21:31	08/21/12 02:26	1
Xylenes, Total	ND		9.9		ug/Kg		08/20/12 21:31	08/21/12 02:26	1
Gasoline Range Organics (GRO)	1000		250		ug/Kg		08/20/12 21:31	08/21/12 02:26	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		45 - 131				08/20/12 21:31	08/21/12 02:26	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140				08/20/12 21:31	08/21/12 02:26	1
Toluene-d8 (Surr)	100		58 - 140				08/20/12 21:31	08/21/12 02:26	1

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		08/20/12 21:31	08/21/12 02:55	1
Benzene	ND		4.9		ug/Kg		08/20/12 21:31	08/21/12 02:55	1
EDB	ND		4.9		ug/Kg		08/20/12 21:31	08/21/12 02:55	1
1,2-DCA	ND		4.9		ug/Kg		08/20/12 21:31	08/21/12 02:55	1
Ethylbenzene	ND		4.9		ug/Kg		08/20/12 21:31	08/21/12 02:55	1
Toluene	ND		4.9		ug/Kg		08/20/12 21:31	08/21/12 02:55	1
Xylenes, Total	ND		9.9		ug/Kg		08/20/12 21:31	08/21/12 02:55	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/20/12 21:31	08/21/12 02:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		45 - 131	08/20/12 21:31	08/21/12 02:55	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140	08/20/12 21:31	08/21/12 02:55	1
Toluene-d8 (Surr)	101		58 - 140	08/20/12 21:31	08/21/12 02:55	1

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

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

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

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

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

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

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

(Continued)

Client Sample ID: EX-8

Date Collected: 08/16/12 22:21

Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-1

Matrix: Solid

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

Client Sample ID: EX-9

Date Collected: 08/16/12 23:40

Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-2

Matrix: Solid

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

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

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

Client Sample ID: EX-9

Date Collected: 08/16/12 23:40

Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2,4,6-Trichlorophenol	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2,4,5-Trichlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2-Chloronaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Dimethyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Acenaphthylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
3-Nitroaniline	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Acenaphthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2,4-Dinitrophenol	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
4-Nitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Dibenzofuran	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2,4-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2,6-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Diethyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
4-Chlorophenyl phenyl ether	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Fluorene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
4-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
2-Methyl-4,6-dinitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
N-Nitrosodiphenylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
4-Bromophenyl phenyl ether	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Hexachlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Pentachlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Phenanthrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Di-n-butyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Butyl benzyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
3,3'-Dichlorobenzidine	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Benzo[a]anthracene	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Bis(2-ethylhexyl) phthalate	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Chrysene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Di-n-octyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Benzo[b]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Benzo[a]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Benzo[k]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Indeno[1,2,3-cd]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Benzo[g,h,i]perylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Benzoic acid	ND	*	1.6		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Azobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5
Dibenz(a,h)anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 20:44	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	83		21 - 98	08/27/12 20:26	08/28/12 20:44	5
2-Fluorobiphenyl	88		30 - 112	08/27/12 20:26	08/28/12 20:44	5
Terphenyl-d14	77		32 - 117	08/27/12 20:26	08/28/12 20:44	5
2-Fluorophenol	70		28 - 98	08/27/12 20:26	08/28/12 20:44	5
Phenol-d5	77		23 - 101	08/27/12 20:26	08/28/12 20:44	5
2,4,6-Tribromophenol	87		37 - 114	08/27/12 20:26	08/28/12 20:44	5

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

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

Client Sample ID: EX-10

Date Collected: 08/16/12 23:53

Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-3

Matrix: Solid

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

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

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

(Continued)

Client Sample ID: EX-10

Date Collected: 08/16/12 23:53

Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-3

Matrix: Solid

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

Client Sample ID: EX-11

Date Collected: 08/17/12 01:40

Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-4

Matrix: Solid

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

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

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

(Continued)

Client Sample ID: EX-11

Date Collected: 08/17/12 01:40

Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-4

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2,4,6-Trichlorophenol	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2,4,5-Trichlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2-Chloronaphthalene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Dimethyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Acenaphthylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
3-Nitroaniline	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Acenaphthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2,4-Dinitrophenol	ND		3.3		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
4-Nitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Dibenzofuran	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2,4-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2,6-Dinitrotoluene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Diethyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
4-Chlorophenyl phenyl ether	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Fluorene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
4-Nitroaniline	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
2-Methyl-4,6-dinitrophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
N-Nitrosodiphenylamine	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
4-Bromophenyl phenyl ether	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Hexachlorobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Pentachlorophenol	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Phenanthrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Di-n-butyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Butyl benzyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
3,3'-Dichlorobenzidine	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Benzo[a]anthracene	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Bis(2-ethylhexyl) phthalate	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Chrysene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Di-n-octyl phthalate	ND		0.84		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Benzo[b]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Benzo[a]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Benzo[k]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Indeno[1,2,3-cd]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Benzo[g,h,i]perylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Benzoic acid	ND	*	1.6		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Azobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5
Dibenz(a,h)anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:31	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	73		21 - 98	08/27/12 20:26	08/28/12 21:31	5
2-Fluorobiphenyl	87		30 - 112	08/27/12 20:26	08/28/12 21:31	5
Terphenyl-d14	75		32 - 117	08/27/12 20:26	08/28/12 21:31	5
2-Fluorophenol	67		28 - 98	08/27/12 20:26	08/28/12 21:31	5
Phenol-d5	72		23 - 101	08/27/12 20:26	08/28/12 21:31	5
2,4,6-Tribromophenol	75		37 - 114	08/27/12 20:26	08/28/12 21:31	5

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

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

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

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

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

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

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

(Continued)

Client Sample ID: EX-12

Date Collected: 08/17/12 01:57

Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-5

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
3,3'-Dichlorobenzidine	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Benzo[a]anthracene	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Bis(2-ethylhexyl) phthalate	ND		1.6		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Chrysene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Di-n-octyl phthalate	ND		0.85		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Benzo[b]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Benzo[a]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Benzo[k]fluoranthene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Indeno[1,2,3-cd]pyrene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Benzo[g,h,i]perylene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Benzoic acid	ND	*	1.6		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Azobenzene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5
Dibenz(a,h)anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 21:56	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70		21 - 98	08/27/12 20:26	08/28/12 21:56	5
2-Fluorobiphenyl	84		30 - 112	08/27/12 20:26	08/28/12 21:56	5
Terphenyl-d14	78		32 - 117	08/27/12 20:26	08/28/12 21:56	5
2-Fluorophenol	64		28 - 98	08/27/12 20:26	08/28/12 21:56	5
Phenol-d5	70		23 - 101	08/27/12 20:26	08/28/12 21:56	5
2,4,6-Tribromophenol	79		37 - 114	08/27/12 20:26	08/28/12 21:56	5

Client Sample ID: EX-13

Date Collected: 08/17/12 02:08

Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-6

Matrix: Solid

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

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

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

(Continued)

Client Sample ID: EX-13

Date Collected: 08/17/12 02:08

Date Received: 08/17/12 06:58

Lab Sample ID: 720-44028-6

Matrix: Solid

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

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

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2000		50		mg/Kg		08/22/12 07:35	08/24/12 13:39	50
Surrogate	%Recovery	Qualifier	Limits						
p-Terphenyl	0	D X	40 - 130						
							Prepared	Analyzed	Dil Fac
							08/22/12 07:35	08/24/12 13:39	50

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1200		20		mg/Kg		08/22/12 07:35	08/24/12 14:04	20
Surrogate	%Recovery	Qualifier	Limits						
p-Terphenyl	0	D X	40 - 130						
							Prepared	Analyzed	Dil Fac
							08/22/12 07:35	08/24/12 14:04	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2600		50		mg/Kg		08/22/12 07:35	08/24/12 12:26	50
Surrogate	%Recovery	Qualifier	Limits						
p-Terphenyl	0	D X	40 - 130						
							Prepared	Analyzed	Dil Fac
							08/22/12 07:35	08/24/12 12:26	50

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	990		20		mg/Kg		08/22/12 07:35	08/24/12 12:50	20
Surrogate	%Recovery	Qualifier	Limits						
p-Terphenyl	0	D X	40 - 130						
							Prepared	Analyzed	Dil Fac
							08/22/12 07:35	08/24/12 12:50	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	810		20		mg/Kg		08/22/12 07:35	08/24/12 13:15	20
Surrogate	%Recovery	Qualifier	Limits						
p-Terphenyl	0	D X	40 - 130						
							Prepared	Analyzed	Dil Fac
							08/22/12 07:35	08/24/12 13:15	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	9.2		1.0		mg/Kg		08/22/12 07:35	08/24/12 11:12	1
Surrogate	%Recovery	Qualifier	Limits						
p-Terphenyl	108		40 - 130						
							Prepared	Analyzed	Dil Fac
							08/22/12 07:35	08/24/12 11:12	1

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2000		50		mg/Kg		08/22/12 08:20	08/24/12 12:26	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1				08/22/12 08:20	08/24/12 12:26	50
p-Terphenyl	0	D X	38 - 148				08/22/12 08:20	08/24/12 12:26	50

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	930		20		mg/Kg		08/22/12 08:20	08/24/12 12:50	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1				08/22/12 08:20	08/24/12 12:50	20
p-Terphenyl	0	D X	38 - 148				08/22/12 08:20	08/24/12 12:50	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2300		50		mg/Kg		08/22/12 08:20	08/24/12 13:15	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1				08/22/12 08:20	08/24/12 13:15	50
p-Terphenyl	0	D X	38 - 148				08/22/12 08:20	08/24/12 13:15	50

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	670		20		mg/Kg		08/22/12 08:20	08/24/12 13:39	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1				08/22/12 08:20	08/24/12 13:39	20
p-Terphenyl	0	D X	38 - 148				08/22/12 08:20	08/24/12 13:39	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	740		20		mg/Kg		08/22/12 08:20	08/24/12 14:04	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1				08/22/12 08:20	08/24/12 14:04	20
p-Terphenyl	0	D X	38 - 148				08/22/12 08:20	08/24/12 14:04	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.8		1.0		mg/Kg		08/28/12 17:53	08/29/12 12:29	1

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Capric Acid (Surr)	0.03		0 - 1	08/28/12 17:53	08/29/12 12:29	1
p-Terphenyl	72		38 - 148	08/28/12 17:53	08/29/12 12:29	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

Method: 6010B - Metals (ICP)

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	26		1.9		mg/Kg		08/20/12 20:07	08/22/12 11:21	4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		2.0		mg/Kg		08/20/12 20:07	08/22/12 11:30	4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.31		0.020		mg/Kg		08/20/12 20:07	08/22/12 11:35	4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17		1.9		mg/Kg		08/20/12 20:07	08/22/12 11:39	4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.3		1.9		mg/Kg		08/20/12 20:07	08/22/12 11:52	4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		1.9		mg/Kg		08/20/12 20:07	08/22/12 11:56	4

Client Sample Results

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

TestAmerica Job ID: 720-44028-1

General Chemistry

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	800		200	24	mg/Kg		08/24/12 12:33	08/24/12 13:08	1
SGT-HEM	ND		170	20	mg/Kg		08/24/12 12:33	08/24/12 13:08	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	1900		200	24	mg/Kg		08/24/12 12:33	08/24/12 13:08	1
SGT-HEM	420		170	20	mg/Kg		08/24/12 12:33	08/24/12 13:08	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	2300		200	24	mg/Kg		08/24/12 12:33	08/24/12 13:08	1
SGT-HEM	630		170	20	mg/Kg		08/24/12 12:33	08/24/12 13:08	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	1100		200	24	mg/Kg		08/24/12 12:33	08/24/12 13:08	1
SGT-HEM	240		170	20	mg/Kg		08/24/12 12:33	08/24/12 13:08	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	700		200	24	mg/Kg		08/24/12 12:33	08/24/12 13:08	1
SGT-HEM	ND		170	20	mg/Kg		08/24/12 12:33	08/24/12 13:08	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	ND		200	24	mg/Kg		08/24/12 12:33	08/24/12 13:08	1
SGT-HEM	ND		170	20	mg/Kg		08/24/12 12:33	08/24/12 13:08	1

QC Sample Results

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

TestAmerica Job ID: 720-44028-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-119455/1-A

Matrix: Solid

Analysis Batch: 119447

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/20/12 19:00	08/20/12 20:13	1
Benzene	ND		5.0		ug/Kg		08/20/12 19:00	08/20/12 20:13	1
EDB	ND		5.0		ug/Kg		08/20/12 19:00	08/20/12 20:13	1
1,2-DCA	ND		5.0		ug/Kg		08/20/12 19:00	08/20/12 20:13	1
Ethylbenzene	ND		5.0		ug/Kg		08/20/12 19:00	08/20/12 20:13	1
Toluene	ND		5.0		ug/Kg		08/20/12 19:00	08/20/12 20:13	1
Xylenes, Total	ND		10		ug/Kg		08/20/12 19:00	08/20/12 20:13	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/20/12 19:00	08/20/12 20:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		45 - 131	08/20/12 19:00	08/20/12 20:13	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140	08/20/12 19:00	08/20/12 20:13	1
Toluene-d8 (Surr)	102		58 - 140	08/20/12 19:00	08/20/12 20:13	1

Lab Sample ID: LCS 720-119455/2-A

Matrix: Solid

Analysis Batch: 119447

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	55.3		ug/Kg		111	70 - 144
Benzene	50.0	51.5		ug/Kg		103	70 - 130
EDB	50.0	58.9		ug/Kg		118	70 - 140
1,2-DCA	50.0	53.6		ug/Kg		107	70 - 130
Ethylbenzene	50.0	50.4		ug/Kg		101	80 - 137
Toluene	50.0	50.4		ug/Kg		101	80 - 128
m-Xylene & p-Xylene	100	109		ug/Kg		109	70 - 146
o-Xylene	50.0	52.9		ug/Kg		106	70 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	99		60 - 140
Toluene-d8 (Surr)	102		58 - 140

Lab Sample ID: LCS 720-119455/4-A

Matrix: Solid

Analysis Batch: 119447

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	985		ug/Kg		98	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	103		45 - 131
1,2-Dichloroethane-d4 (Surr)	102		60 - 140
Toluene-d8 (Surr)	103		58 - 140

QC Sample Results

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

TestAmerica Job ID: 720-44028-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119455/3-A

Matrix: Solid

Analysis Batch: 119447

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119455

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	56.5		ug/Kg		113	70 - 144	2	20
Benzene	50.0	51.5		ug/Kg		103	70 - 130	0	20
EDB	50.0	59.8		ug/Kg		120	70 - 140	1	20
1,2-DCA	50.0	54.3		ug/Kg		109	70 - 130	1	20
Ethylbenzene	50.0	48.7		ug/Kg		97	80 - 137	4	20
Toluene	50.0	48.4		ug/Kg		97	80 - 128	4	20
m-Xylene & p-Xylene	100	106		ug/Kg		106	70 - 146	2	20
o-Xylene	50.0	51.3		ug/Kg		103	70 - 140	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	98		45 - 131
1,2-Dichloroethane-d4 (Surr)	102		60 - 140
Toluene-d8 (Surr)	102		58 - 140

Lab Sample ID: LCSD 720-119455/5-A

Matrix: Solid

Analysis Batch: 119447

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119455

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	961		ug/Kg		96	61 - 128	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	102		45 - 131
1,2-Dichloroethane-d4 (Surr)	104		60 - 140
Toluene-d8 (Surr)	101		58 - 140

Lab Sample ID: MB 720-119485/1-A

Matrix: Solid

Analysis Batch: 119382

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/20/12 07:30	08/20/12 09:29	1
Benzene	ND		5.0		ug/Kg		08/20/12 07:30	08/20/12 09:29	1
EDB	ND		5.0		ug/Kg		08/20/12 07:30	08/20/12 09:29	1
1,2-DCA	ND		5.0		ug/Kg		08/20/12 07:30	08/20/12 09:29	1
Ethylbenzene	ND		5.0		ug/Kg		08/20/12 07:30	08/20/12 09:29	1
Toluene	ND		5.0		ug/Kg		08/20/12 07:30	08/20/12 09:29	1
Xylenes, Total	ND		10		ug/Kg		08/20/12 07:30	08/20/12 09:29	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/20/12 07:30	08/20/12 09:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		45 - 131	08/20/12 07:30	08/20/12 09:29	1
1,2-Dichloroethane-d4 (Surr)	112		60 - 140	08/20/12 07:30	08/20/12 09:29	1
Toluene-d8 (Surr)	101		58 - 140	08/20/12 07:30	08/20/12 09:29	1

QC Sample Results

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

TestAmerica Job ID: 720-44028-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119485/2-A

Matrix: Solid

Analysis Batch: 119382

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	52.1		ug/Kg		104	70 - 144
Benzene	50.0	52.5		ug/Kg		105	70 - 130
EDB	50.0	56.8		ug/Kg		114	70 - 140
1,2-DCA	50.0	52.5		ug/Kg		105	70 - 130
Ethylbenzene	50.0	55.2		ug/Kg		110	80 - 137
Toluene	50.0	53.5		ug/Kg		107	80 - 128
m-Xylene & p-Xylene	100	120		ug/Kg		120	70 - 146
o-Xylene	50.0	56.1		ug/Kg		112	70 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	110		45 - 131
1,2-Dichloroethane-d4 (Surr)	104		60 - 140
Toluene-d8 (Surr)	109		58 - 140

Lab Sample ID: LCS 720-119485/4-A

Matrix: Solid

Analysis Batch: 119382

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	964		ug/Kg		96	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	105		45 - 131
1,2-Dichloroethane-d4 (Surr)	106		60 - 140
Toluene-d8 (Surr)	111		58 - 140

Lab Sample ID: LCSD 720-119485/3-A

Matrix: Solid

Analysis Batch: 119382

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119485

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	52.3		ug/Kg		105	70 - 144	0	20
Benzene	50.0	52.3		ug/Kg		105	70 - 130	0	20
EDB	50.0	57.5		ug/Kg		115	70 - 140	1	20
1,2-DCA	50.0	52.7		ug/Kg		105	70 - 130	0	20
Ethylbenzene	50.0	54.6		ug/Kg		109	80 - 137	1	20
Toluene	50.0	52.3		ug/Kg		105	80 - 128	2	20
m-Xylene & p-Xylene	100	118		ug/Kg		118	70 - 146	2	20
o-Xylene	50.0	55.3		ug/Kg		111	70 - 140	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	112		45 - 131
1,2-Dichloroethane-d4 (Surr)	106		60 - 140
Toluene-d8 (Surr)	110		58 - 140

QC Sample Results

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

TestAmerica Job ID: 720-44028-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119485/5-A

Matrix: Solid

Analysis Batch: 119382

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119485

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	951		ug/Kg		95	61 - 128	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	107		45 - 131
1,2-Dichloroethane-d4 (Surr)	108		60 - 140
Toluene-d8 (Surr)	112		58 - 140

Lab Sample ID: MB 720-119528/1-A

Matrix: Solid

Analysis Batch: 119511

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119528

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/21/12 19:00	08/21/12 19:42	1
Benzene	ND		5.0		ug/Kg		08/21/12 19:00	08/21/12 19:42	1
EDB	ND		5.0		ug/Kg		08/21/12 19:00	08/21/12 19:42	1
1,2-DCA	ND		5.0		ug/Kg		08/21/12 19:00	08/21/12 19:42	1
Ethylbenzene	ND		5.0		ug/Kg		08/21/12 19:00	08/21/12 19:42	1
Toluene	ND		5.0		ug/Kg		08/21/12 19:00	08/21/12 19:42	1
Xylenes, Total	ND		10		ug/Kg		08/21/12 19:00	08/21/12 19:42	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/21/12 19:00	08/21/12 19:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		45 - 131	08/21/12 19:00	08/21/12 19:42	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140	08/21/12 19:00	08/21/12 19:42	1
Toluene-d8 (Surr)	103		58 - 140	08/21/12 19:00	08/21/12 19:42	1

Lab Sample ID: LCS 720-119528/2-A

Matrix: Solid

Analysis Batch: 119511

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119528

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	54.4		ug/Kg		109	70 - 144
Benzene	50.0	52.9		ug/Kg		106	70 - 130
EDB	50.0	60.2		ug/Kg		120	70 - 140
1,2-DCA	50.0	52.6		ug/Kg		105	70 - 130
Ethylbenzene	50.0	55.4		ug/Kg		111	80 - 137
Toluene	50.0	53.5		ug/Kg		107	80 - 128
m-Xylene & p-Xylene	100	121		ug/Kg		121	70 - 146
o-Xylene	50.0	57.0		ug/Kg		114	70 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	113		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	109		58 - 140

QC Sample Results

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

TestAmerica Job ID: 720-44028-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119528/4-A

Matrix: Solid

Analysis Batch: 119511

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119528

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	933		ug/Kg		93	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	104		45 - 131
1,2-Dichloroethane-d4 (Surr)	103		60 - 140
Toluene-d8 (Surr)	112		58 - 140

Lab Sample ID: LCSD 720-119528/3-A

Matrix: Solid

Analysis Batch: 119511

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119528

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	58.5		ug/Kg		117	70 - 144	7	20
Benzene	50.0	53.9		ug/Kg		108	70 - 130	2	20
EDB	50.0	63.3		ug/Kg		127	70 - 140	5	20
1,2-DCA	50.0	54.3		ug/Kg		109	70 - 130	3	20
Ethylbenzene	50.0	55.5		ug/Kg		111	80 - 137	0	20
Toluene	50.0	53.2		ug/Kg		106	80 - 128	1	20
m-Xylene & p-Xylene	100	121		ug/Kg		121	70 - 146	0	20
o-Xylene	50.0	57.2		ug/Kg		114	70 - 140	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	112		45 - 131
1,2-Dichloroethane-d4 (Surr)	104		60 - 140
Toluene-d8 (Surr)	111		58 - 140

Lab Sample ID: LCSD 720-119528/5-A

Matrix: Solid

Analysis Batch: 119511

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119528

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	956		ug/Kg		96	61 - 128	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	107		45 - 131
1,2-Dichloroethane-d4 (Surr)	106		60 - 140
Toluene-d8 (Surr)	111		58 - 140

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

Lab Sample ID: MB 720-119817/1-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1

QC Sample Results

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

TestAmerica Job ID: 720-44028-1

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

(Continued)

Lab Sample ID: MB 720-119817/1-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzyl alcohol	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Methylphenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Hexachloroethane	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Nitrobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Isophorone	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Nitrophenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Naphthalene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Chloroaniline	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Hexachlorobutadiene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Methylnaphthalene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Chloronaphthalene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Nitroaniline	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Acenaphthylene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
3-Nitroaniline	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Acenaphthene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Nitrophenol	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Dibenzofuran	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Diethyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Fluorene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Nitroaniline	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Hexachlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Pentachlorophenol	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Phenanthrene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Anthracene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Fluoranthene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1

QC Sample Results

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

TestAmerica Job ID: 720-44028-1

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

(Continued)

Lab Sample ID: MB 720-119817/1-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Chrysene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[a]pyrene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzoic acid	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Azobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	76		21 - 98	08/27/12 12:33	08/28/12 15:20	1
2-Fluorobiphenyl	78		30 - 112	08/27/12 12:33	08/28/12 15:20	1
Terphenyl-d14	83		32 - 117	08/27/12 12:33	08/28/12 15:20	1
2-Fluorophenol	74		28 - 98	08/27/12 12:33	08/28/12 15:20	1
Phenol-d5	76		23 - 101	08/27/12 12:33	08/28/12 15:20	1
2,4,6-Tribromophenol	73		37 - 114	08/27/12 12:33	08/28/12 15:20	1

Lab Sample ID: LCS 720-119817/2-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	1.66	1.11		mg/Kg		67	48 - 115
Bis(2-chloroethyl)ether	1.66	1.07		mg/Kg		65	45 - 115
2-Chlorophenol	1.66	1.13		mg/Kg		68	48 - 115
1,3-Dichlorobenzene	1.66	1.05		mg/Kg		63	41 - 115
1,4-Dichlorobenzene	1.66	1.08		mg/Kg		65	40 - 115
Benzyl alcohol	1.66	1.21		mg/Kg		73	54 - 115
1,2-Dichlorobenzene	1.66	1.11		mg/Kg		67	44 - 115
2-Methylphenol	1.66	1.14		mg/Kg		69	54 - 115
Methylphenol, 3 & 4	3.31	1.94		mg/Kg		59	42 - 115
N-Nitrosodi-n-propylamine	1.66	1.18		mg/Kg		71	46 - 115
Hexachloroethane	1.66	1.07		mg/Kg		65	44 - 115
Nitrobenzene	1.66	1.21		mg/Kg		73	48 - 115
Isophorone	1.66	1.24		mg/Kg		75	54 - 115
2-Nitrophenol	1.66	1.17		mg/Kg		70	48 - 115
2,4-Dimethylphenol	1.66	1.16		mg/Kg		70	52 - 115
Bis(2-chloroethoxy)methane	1.66	1.19		mg/Kg		72	46 - 115
2,4-Dichlorophenol	1.66	1.21		mg/Kg		73	49 - 100
1,2,4-Trichlorobenzene	1.66	1.14		mg/Kg		69	47 - 115
Naphthalene	1.66	1.16		mg/Kg		70	44 - 115

QC Sample Results

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

TestAmerica Job ID: 720-44028-1

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

(Continued)

Lab Sample ID: LCS 720-119817/2-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloroaniline	1.66	1.12		mg/Kg		67	30 - 115
Hexachlorobutadiene	1.66	1.16		mg/Kg		70	44 - 115
4-Chloro-3-methylphenol	1.66	1.31		mg/Kg		79	58 - 115
2-Methylnaphthalene	1.66	1.16		mg/Kg		70	49 - 115
Hexachlorocyclopentadiene	1.66	1.32		mg/Kg		80	42 - 132
2,4,6-Trichlorophenol	1.66	1.28		mg/Kg		77	45 - 115
2,4,5-Trichlorophenol	1.66	1.24		mg/Kg		75	48 - 115
2-Chloronaphthalene	1.66	1.21		mg/Kg		73	52 - 115
2-Nitroaniline	1.66	1.36		mg/Kg		82	54 - 115
Dimethyl phthalate	1.66	1.34		mg/Kg		81	64 - 119
Acenaphthylene	1.66	1.34		mg/Kg		81	61 - 129
3-Nitroaniline	1.66	1.37		mg/Kg		83	50 - 115
Acenaphthene	1.66	1.24		mg/Kg		75	50 - 115
2,4-Dinitrophenol	1.66	ND		mg/Kg		30	15 - 115
4-Nitrophenol	1.66	1.53		mg/Kg		92	54 - 125
Dibenzofuran	1.66	1.25		mg/Kg		75	55 - 115
2,4-Dinitrotoluene	1.66	1.52		mg/Kg		92	57 - 115
2,6-Dinitrotoluene	1.66	1.45		mg/Kg		87	54 - 119
Diethyl phthalate	1.66	1.38		mg/Kg		83	49 - 117
4-Chlorophenyl phenyl ether	1.66	1.32		mg/Kg		80	57 - 115
Fluorene	1.66	1.27		mg/Kg		77	54 - 115
4-Nitroaniline	1.66	1.45		mg/Kg		88	59 - 115
2-Methyl-4,6-dinitrophenol	1.66	1.01		mg/Kg		61	39 - 115
N-Nitrosodiphenylamine	1.66	1.35		mg/Kg		82	56 - 115
4-Bromophenyl phenyl ether	1.66	1.32		mg/Kg		80	53 - 115
Hexachlorobenzene	1.66	1.40		mg/Kg		85	55 - 115
Pentachlorophenol	1.66	1.21		mg/Kg		73	35 - 115
Phenanthrene	1.66	1.33		mg/Kg		81	54 - 115
Anthracene	1.66	1.34		mg/Kg		81	55 - 115
Di-n-butyl phthalate	1.66	1.41		mg/Kg		85	55 - 115
Fluoranthene	1.66	1.42		mg/Kg		85	54 - 115
Pyrene	1.66	1.45		mg/Kg		87	48 - 115
Butyl benzyl phthalate	1.66	1.54		mg/Kg		93	53 - 115
3,3'-Dichlorobenzidine	1.66	1.34		mg/Kg		81	42 - 115
Benzo[a]anthracene	1.66	1.46		mg/Kg		88	55 - 115
Bis(2-ethylhexyl) phthalate	1.66	1.52		mg/Kg		92	53 - 115
Chrysene	1.66	1.46		mg/Kg		88	58 - 115
Di-n-octyl phthalate	1.66	1.55		mg/Kg		94	53 - 115
Benzo[b]fluoranthene	1.66	1.73		mg/Kg		105	56 - 115
Benzo[a]pyrene	1.66	1.38		mg/Kg		83	55 - 115
Benzo[k]fluoranthene	1.66	1.25		mg/Kg		75	57 - 115
Indeno[1,2,3-cd]pyrene	1.66	1.40		mg/Kg		84	56 - 115
Benzo[g,h,i]perylene	1.66	1.43		mg/Kg		86	56 - 115
Benzoic acid	1.66	0.429		mg/Kg		26	10 - 115
Azobenzene	1.66	1.32		mg/Kg		80	52 - 115
Dibenz(a,h)anthracene	1.66	1.39		mg/Kg		84	58 - 115

QC Sample Results

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

TestAmerica Job ID: 720-44028-1

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

(Continued)

Lab Sample ID: LCS 720-119817/2-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119817

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	72		21 - 98
2-Fluorobiphenyl	73		30 - 112
Terphenyl-d14	89		32 - 117
2-Fluorophenol	73		28 - 98
Phenol-d5	72		23 - 101
2,4,6-Tribromophenol	85		37 - 114

Lab Sample ID: LCSD 720-119817/3-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119817

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Phenol	1.65	1.12		mg/Kg		68	48 - 115	1	35	
Bis(2-chloroethyl)ether	1.65	1.16		mg/Kg		70	45 - 115	8	35	
2-Chlorophenol	1.65	1.13		mg/Kg		68	48 - 115	0	35	
1,3-Dichlorobenzene	1.65	1.06		mg/Kg		64	41 - 115	2	35	
1,4-Dichlorobenzene	1.65	1.07		mg/Kg		65	40 - 115	1	35	
Benzyl alcohol	1.65	1.21		mg/Kg		73	54 - 115	0	35	
1,2-Dichlorobenzene	1.65	1.12		mg/Kg		68	44 - 115	1	35	
2-Methylphenol	1.65	1.13		mg/Kg		69	54 - 115	1	35	
Methylphenol, 3 & 4	3.30	1.97		mg/Kg		60	42 - 115	1	35	
N-Nitrosodi-n-propylamine	1.65	1.19		mg/Kg		72	46 - 115	1	35	
Hexachloroethane	1.65	1.07		mg/Kg		65	44 - 115	0	35	
Nitrobenzene	1.65	1.21		mg/Kg		73	48 - 115	0	35	
Isophorone	1.65	1.21		mg/Kg		73	54 - 115	2	35	
2-Nitrophenol	1.65	1.16		mg/Kg		71	48 - 115	0	35	
2,4-Dimethylphenol	1.65	1.11		mg/Kg		67	52 - 115	5	35	
Bis(2-chloroethoxy)methane	1.65	1.18		mg/Kg		71	46 - 115	1	35	
2,4-Dichlorophenol	1.65	1.20		mg/Kg		73	49 - 100	1	35	
1,2,4-Trichlorobenzene	1.65	1.14		mg/Kg		69	47 - 115	0	35	
Naphthalene	1.65	1.17		mg/Kg		71	44 - 115	0	35	
4-Chloroaniline	1.65	1.11		mg/Kg		67	30 - 115	1	35	
Hexachlorobutadiene	1.65	1.17		mg/Kg		71	44 - 115	1	35	
4-Chloro-3-methylphenol	1.65	1.26		mg/Kg		77	58 - 115	3	35	
2-Methylnaphthalene	1.65	1.15		mg/Kg		70	49 - 115	1	35	
Hexachlorocyclopentadiene	1.65	1.30		mg/Kg		79	42 - 132	2	35	
2,4,6-Trichlorophenol	1.65	1.21		mg/Kg		74	45 - 115	5	35	
2,4,5-Trichlorophenol	1.65	1.21		mg/Kg		73	48 - 115	2	35	
2-Chloronaphthalene	1.65	1.17		mg/Kg		71	52 - 115	3	35	
2-Nitroaniline	1.65	1.34		mg/Kg		81	54 - 115	1	35	
Dimethyl phthalate	1.65	1.31		mg/Kg		80	64 - 119	2	35	
Acenaphthylene	1.65	1.32		mg/Kg		80	61 - 129	2	35	
3-Nitroaniline	1.65	1.34		mg/Kg		81	50 - 115	2	35	
Acenaphthene	1.65	1.22		mg/Kg		74	50 - 115	1	35	
2,4-Dinitrophenol	1.65	ND		mg/Kg		23	15 - 115	28	35	
4-Nitrophenol	1.65	1.37		mg/Kg		83	54 - 125	11	35	
Dibenzofuran	1.65	1.23		mg/Kg		74	55 - 115	1	35	
2,4-Dinitrotoluene	1.65	1.49		mg/Kg		90	57 - 115	2	35	

QC Sample Results

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

TestAmerica Job ID: 720-44028-1

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

(Continued)

Lab Sample ID: LCSD 720-119817/3-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119817

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,6-Dinitrotoluene	1.65	1.42		mg/Kg		86	54 - 119	2	35
Diethyl phthalate	1.65	1.38		mg/Kg		84	49 - 117	0	35
4-Chlorophenyl phenyl ether	1.65	1.31		mg/Kg		79	57 - 115	1	35
Fluorene	1.65	1.24		mg/Kg		75	54 - 115	3	35
4-Nitroaniline	1.65	1.41		mg/Kg		86	59 - 115	3	35
2-Methyl-4,6-dinitrophenol	1.65	0.893		mg/Kg		54	39 - 115	12	35
N-Nitrosodiphenylamine	1.65	1.37		mg/Kg		83	56 - 115	2	35
4-Bromophenyl phenyl ether	1.65	1.32		mg/Kg		80	53 - 115	0	35
Hexachlorobenzene	1.65	1.38		mg/Kg		83	55 - 115	2	35
Pentachlorophenol	1.65	1.15		mg/Kg		70	35 - 115	5	35
Phenanthrene	1.65	1.33		mg/Kg		81	54 - 115	0	35
Anthracene	1.65	1.35		mg/Kg		82	55 - 115	1	35
Di-n-butyl phthalate	1.65	1.43		mg/Kg		86	55 - 115	1	35
Fluoranthene	1.65	1.44		mg/Kg		87	54 - 115	2	35
Pyrene	1.65	1.45		mg/Kg		88	48 - 115	0	35
Butyl benzyl phthalate	1.65	1.54		mg/Kg		93	53 - 115	0	35
3,3'-Dichlorobenzidine	1.65	1.34		mg/Kg		81	42 - 115	0	35
Benzo[a]anthracene	1.65	1.46		mg/Kg		89	55 - 115	0	35
Bis(2-ethylhexyl) phthalate	1.65	1.52		mg/Kg		92	53 - 115	0	35
Chrysene	1.65	1.46		mg/Kg		88	58 - 115	0	35
Di-n-octyl phthalate	1.65	1.55		mg/Kg		94	53 - 115	0	35
Benzo[b]fluoranthene	1.65	1.66		mg/Kg		100	56 - 115	4	35
Benzo[a]pyrene	1.65	1.38		mg/Kg		84	55 - 115	0	35
Benzo[k]fluoranthene	1.65	1.27		mg/Kg		77	57 - 115	2	35
Indeno[1,2,3-cd]pyrene	1.65	1.41		mg/Kg		86	56 - 115	1	35
Benzo[g,h,i]perylene	1.65	1.44		mg/Kg		87	56 - 115	0	35
Benzoic acid	1.65	ND *		mg/Kg		17	10 - 115	39	35
Azobenzene	1.65	1.26		mg/Kg		77	52 - 115	4	35
Dibenz(a,h)anthracene	1.65	1.39		mg/Kg		84	58 - 115	0	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	72		21 - 98
2-Fluorobiphenyl	71		30 - 112
Terphenyl-d14	90		32 - 117
2-Fluorophenol	73		28 - 98
Phenol-d5	73		23 - 101
2,4,6-Tribromophenol	84		37 - 114

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

Lab Sample ID: MB 720-119540/1-A

Matrix: Solid

Analysis Batch: 119625

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119540

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/22/12 07:35	08/23/12 14:05	1

QC Sample Results

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

TestAmerica Job ID: 720-44028-1

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

Lab Sample ID: MB 720-119540/1-A
Matrix: Solid
Analysis Batch: 119625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119540

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
p-Terphenyl	110		40 - 130	08/22/12 07:35	08/23/12 14:05	1

Lab Sample ID: LCS 720-119540/2-A
Matrix: Solid
Analysis Batch: 119625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
p-Terphenyl	87		40 - 130

Lab Sample ID: LCSD 720-119540/3-A
Matrix: Solid
Analysis Batch: 119625

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119540

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
p-Terphenyl	82		40 - 130

Lab Sample ID: MB 720-119546/1-A
Matrix: Solid
Analysis Batch: 119625

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 119546

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/22/12 08:20	08/24/12 01:12	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Capric Acid (Surr)	0.0008		0 - 1	08/22/12 08:20	08/24/12 01:12	1
p-Terphenyl	126		38 - 148	08/22/12 08:20	08/24/12 01:12	1

Lab Sample ID: LCS 720-119546/2-A
Matrix: Solid
Analysis Batch: 119625

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 119546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
p-Terphenyl	78		38 - 148

QC Sample Results

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

TestAmerica Job ID: 720-44028-1

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

Lab Sample ID: LCSD 720-119546/3-A
Matrix: Solid
Analysis Batch: 119625

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 119546

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	83.0	60.6		mg/Kg		73	36 - 112	13	35
Surrogate	%Recovery	LCSD Qualifier	Limits						
<i>p-Terphenyl</i>	85		38 - 148						

Lab Sample ID: MB 720-119929/1-A
Matrix: Solid
Analysis Batch: 119958

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 119929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/28/12 17:53	08/29/12 13:42	1
Surrogate	%Recovery	MB Qualifier	Limits						
<i>Capric Acid (Surr)</i>	0.03		0 - 1						
<i>p-Terphenyl</i>	83		38 - 148						
							Prepared	Analyzed	Dil Fac
							08/28/12 17:53	08/29/12 13:42	1
							08/28/12 17:53	08/29/12 13:42	1

Lab Sample ID: LCS 720-119929/2-A
Matrix: Solid
Analysis Batch: 119958

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 119929

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	83.3	53.7		mg/Kg		64	36 - 112		
Surrogate	%Recovery	LCS Qualifier	Limits						
<i>p-Terphenyl</i>	63		38 - 148						

Lab Sample ID: LCSD 720-119929/3-A
Matrix: Solid
Analysis Batch: 119958

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 119929

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	83.3	54.8		mg/Kg		66	36 - 112	2	35
Surrogate	%Recovery	LCSD Qualifier	Limits						
<i>p-Terphenyl</i>	64		38 - 148						

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-119452/1-A
Matrix: Solid
Analysis Batch: 119569

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119452

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50		mg/Kg		08/20/12 20:07	08/22/12 11:00	1

QC Sample Results

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

TestAmerica Job ID: 720-44028-1

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

Lab Sample ID: LCS 720-119452/2-A
 Matrix: Solid
 Analysis Batch: 119569

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 119452

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	48.4		mg/Kg		97	80 - 120

Lab Sample ID: LCSD 720-119452/3-A
 Matrix: Solid
 Analysis Batch: 119569

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 119452

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	50.0	49.3		mg/Kg		99	80 - 120	2	20

Lab Sample ID: LCSSRM 720-119452/25-A
 Matrix: Solid
 Analysis Batch: 119569

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 119452

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	280	266		mg/Kg		95	62 - 113

Lab Sample ID: 720-44028-1 MS
 Matrix: Solid
 Analysis Batch: 119569

Client Sample ID: EX-8
 Prep Type: Total/NA
 Prep Batch: 119452

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	26		50.0	77.5		mg/Kg		103	75 - 125

Lab Sample ID: 720-44028-1 MSD
 Matrix: Solid
 Analysis Batch: 119569

Client Sample ID: EX-8
 Prep Type: Total/NA
 Prep Batch: 119452

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	26		46.7	84.5		mg/Kg		125	75 - 125	9	20

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 440-47673/1-A
 Matrix: Solid
 Analysis Batch: 47686

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47673

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	ND		200	24	mg/Kg		08/24/12 12:33	08/24/12 13:08	1
SGT-HEM	ND		170	20	mg/Kg		08/24/12 12:33	08/24/12 13:08	1

Lab Sample ID: LCS 440-47673/2-A
 Matrix: Solid
 Analysis Batch: 47686

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47673

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	333	327		mg/Kg		98	78 - 114
SGT-HEM	167	ND		mg/Kg		88	70 - 110

QC Sample Results

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

TestAmerica Job ID: 720-44028-1

Method: 9071B - HEM and SGT-HEM (Continued)

Lab Sample ID: LCSD 440-47673/3-A
Matrix: Solid
Analysis Batch: 47686

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47673

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM	333	337		mg/Kg		101	78 - 114	3	11
SGT-HEM	167	ND		mg/Kg		82	70 - 110	7	15

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Association Summary

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

TestAmerica Job ID: 720-44028-1

GC/MS VOA

Analysis Batch: 119382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-1	EX-8	Total/NA	Solid	8260B/CA_LUFT MS	119485
720-44028-2	EX-9	Total/NA	Solid	8260B/CA_LUFT MS	119485
LCS 720-119485/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119485
LCS 720-119485/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119485
LCSD 720-119485/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119485
LCSD 720-119485/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119485
MB 720-119485/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	119485

Analysis Batch: 119447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-3	EX-10	Total/NA	Solid	8260B/CA_LUFT MS	119455
720-44028-4	EX-11	Total/NA	Solid	8260B/CA_LUFT MS	119455
720-44028-5	EX-12	Total/NA	Solid	8260B/CA_LUFT MS	119455
720-44028-6	EX-13	Total/NA	Solid	8260B/CA_LUFT MS	119455
LCS 720-119455/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119455
LCS 720-119455/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119455
LCSD 720-119455/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119455
LCSD 720-119455/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119455
MB 720-119455/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	119455

Prep Batch: 119455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-3	EX-10	Total/NA	Solid	5030B	
720-44028-4	EX-11	Total/NA	Solid	5030B	
720-44028-5	EX-12	Total/NA	Solid	5030B	
720-44028-6	EX-13	Total/NA	Solid	5030B	
LCS 720-119455/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-119455/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-119455/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-119455/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-119455/1-A	Method Blank	Total/NA	Solid	5030B	

Prep Batch: 119485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-1	EX-8	Total/NA	Solid	5030B	
720-44028-2	EX-9	Total/NA	Solid	5030B	
LCS 720-119485/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-119485/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-119485/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-119485/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

QC Association Summary

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

TestAmerica Job ID: 720-44028-1

GC/MS VOA (Continued)

Prep Batch: 119485 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-119485/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 119511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-1	EX-8	Total/NA	Solid	8260B/CA_LUFT MS	119528
720-44028-2	EX-9	Total/NA	Solid	8260B/CA_LUFT MS	119528
720-44028-3	EX-10	Total/NA	Solid	8260B/CA_LUFT MS	119528
LCS 720-119528/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119528
LCS 720-119528/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119528
LCSD 720-119528/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119528
LCSD 720-119528/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119528
MB 720-119528/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	119528

Prep Batch: 119528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-1	EX-8	Total/NA	Solid	5030B	
720-44028-2	EX-9	Total/NA	Solid	5030B	
720-44028-3	EX-10	Total/NA	Solid	5030B	
LCS 720-119528/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-119528/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-119528/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-119528/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-119528/1-A	Method Blank	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 119817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-1	EX-8	Total/NA	Solid	3546	
720-44028-2	EX-9	Total/NA	Solid	3546	
720-44028-3	EX-10	Total/NA	Solid	3546	
720-44028-4	EX-11	Total/NA	Solid	3546	
720-44028-5	EX-12	Total/NA	Solid	3546	
720-44028-6	EX-13	Total/NA	Solid	3546	
LCS 720-119817/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-119817/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-119817/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 119898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-1	EX-8	Total/NA	Solid	8270C	119817
720-44028-2	EX-9	Total/NA	Solid	8270C	119817
720-44028-3	EX-10	Total/NA	Solid	8270C	119817
720-44028-4	EX-11	Total/NA	Solid	8270C	119817
720-44028-5	EX-12	Total/NA	Solid	8270C	119817
720-44028-6	EX-13	Total/NA	Solid	8270C	119817

QC Association Summary

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

TestAmerica Job ID: 720-44028-1

GC/MS Semi VOA (Continued)

Analysis Batch: 119898 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-119817/2-A	Lab Control Sample	Total/NA	Solid	8270C	119817
LCSD 720-119817/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	119817
MB 720-119817/1-A	Method Blank	Total/NA	Solid	8270C	119817

GC Semi VOA

Prep Batch: 119540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-1	EX-8	Total/NA	Solid	3546	
720-44028-2	EX-9	Total/NA	Solid	3546	
720-44028-3	EX-10	Total/NA	Solid	3546	
720-44028-4	EX-11	Total/NA	Solid	3546	
720-44028-5	EX-12	Total/NA	Solid	3546	
720-44028-6	EX-13	Total/NA	Solid	3546	
LCS 720-119540/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-119540/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-119540/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 119546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-1	EX-8	Silica Gel Cleanup	Solid	3546	
720-44028-2	EX-9	Silica Gel Cleanup	Solid	3546	
720-44028-3	EX-10	Silica Gel Cleanup	Solid	3546	
720-44028-4	EX-11	Silica Gel Cleanup	Solid	3546	
720-44028-5	EX-12	Silica Gel Cleanup	Solid	3546	
LCS 720-119546/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-119546/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-119546/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 119625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-119540/2-A	Lab Control Sample	Total/NA	Solid	8015B	119540
LCS 720-119546/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	119546
LCSD 720-119540/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	119540
LCSD 720-119546/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	119546
MB 720-119540/1-A	Method Blank	Total/NA	Solid	8015B	119540
MB 720-119546/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	119546

Analysis Batch: 119688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-1	EX-8	Total/NA	Solid	8015B	119540
720-44028-2	EX-9	Total/NA	Solid	8015B	119540
720-44028-3	EX-10	Total/NA	Solid	8015B	119540
720-44028-4	EX-11	Total/NA	Solid	8015B	119540
720-44028-5	EX-12	Total/NA	Solid	8015B	119540
720-44028-6	EX-13	Total/NA	Solid	8015B	119540

Analysis Batch: 119689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-1	EX-8	Silica Gel Cleanup	Solid	8015B	119546
720-44028-2	EX-9	Silica Gel Cleanup	Solid	8015B	119546
720-44028-3	EX-10	Silica Gel Cleanup	Solid	8015B	119546

QC Association Summary

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

TestAmerica Job ID: 720-44028-1

GC Semi VOA (Continued)

Analysis Batch: 119689 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-4	EX-11	Silica Gel Cleanup	Solid	8015B	119546
720-44028-5	EX-12	Silica Gel Cleanup	Solid	8015B	119546

Prep Batch: 119929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-6	EX-13	Silica Gel Cleanup	Solid	3546	
LCS 720-119929/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCS D 720-119929/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-119929/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 119958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-6	EX-13	Silica Gel Cleanup	Solid	8015B	119929
LCS 720-119929/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	119929
LCS D 720-119929/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	119929
MB 720-119929/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	119929

Metals

Prep Batch: 119452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-1	EX-8	Total/NA	Solid	3050B	
720-44028-1 MS	EX-8	Total/NA	Solid	3050B	
720-44028-1 MSD	EX-8	Total/NA	Solid	3050B	
720-44028-2	EX-9	Total/NA	Solid	3050B	
720-44028-3	EX-10	Total/NA	Solid	3050B	
720-44028-4	EX-11	Total/NA	Solid	3050B	
720-44028-5	EX-12	Total/NA	Solid	3050B	
720-44028-6	EX-13	Total/NA	Solid	3050B	
LCS 720-119452/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCS D 720-119452/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-119452/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-119452/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 119569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-1	EX-8	Total/NA	Solid	6010B	119452
720-44028-1 MS	EX-8	Total/NA	Solid	6010B	119452
720-44028-1 MSD	EX-8	Total/NA	Solid	6010B	119452
720-44028-2	EX-9	Total/NA	Solid	6010B	119452
720-44028-3	EX-10	Total/NA	Solid	6010B	119452
720-44028-4	EX-11	Total/NA	Solid	6010B	119452
720-44028-5	EX-12	Total/NA	Solid	6010B	119452
720-44028-6	EX-13	Total/NA	Solid	6010B	119452
LCS 720-119452/2-A	Lab Control Sample	Total/NA	Solid	6010B	119452
LCS D 720-119452/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	119452
LCSSRM 720-119452/25-A	Lab Control Sample	Total/NA	Solid	6010B	119452
MB 720-119452/1-A	Method Blank	Total/NA	Solid	6010B	119452

QC Association Summary

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

TestAmerica Job ID: 720-44028-1

General Chemistry

Prep Batch: 47673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-1	EX-8	Total/NA	Solid	9071B	
720-44028-2	EX-9	Total/NA	Solid	9071B	
720-44028-3	EX-10	Total/NA	Solid	9071B	
720-44028-4	EX-11	Total/NA	Solid	9071B	
720-44028-5	EX-12	Total/NA	Solid	9071B	
720-44028-6	EX-13	Total/NA	Solid	9071B	
LCS 440-47673/2-A	Lab Control Sample	Total/NA	Solid	9071B	
LCSD 440-47673/3-A	Lab Control Sample Dup	Total/NA	Solid	9071B	
MB 440-47673/1-A	Method Blank	Total/NA	Solid	9071B	

Analysis Batch: 47686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44028-1	EX-8	Total/NA	Solid	9071B	47673
720-44028-2	EX-9	Total/NA	Solid	9071B	47673
720-44028-3	EX-10	Total/NA	Solid	9071B	47673
720-44028-4	EX-11	Total/NA	Solid	9071B	47673
720-44028-5	EX-12	Total/NA	Solid	9071B	47673
720-44028-6	EX-13	Total/NA	Solid	9071B	47673
LCS 440-47673/2-A	Lab Control Sample	Total/NA	Solid	9071B	47673
LCSD 440-47673/3-A	Lab Control Sample Dup	Total/NA	Solid	9071B	47673
MB 440-47673/1-A	Method Blank	Total/NA	Solid	9071B	47673

Lab Chronicle

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

TestAmerica Job ID: 720-44028-1

Client Sample ID: EX-8

Lab Sample ID: 720-44028-1

Date Collected: 08/16/12 22:21

Matrix: Solid

Date Received: 08/17/12 06:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119485	08/20/12 07:30	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119382	08/20/12 18:12	AC	TAL SF
Total/NA	Prep	5030B			119528	08/21/12 20:20	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119511	08/21/12 23:05	AC	TAL SF
Total/NA	Prep	3546			119817	08/27/12 20:26	NP	TAL SF
Total/NA	Analysis	8270C		5	119898	08/28/12 20:20	ML	TAL SF
Total/NA	Prep	3546			119540	08/22/12 07:35	NP	TAL SF
Total/NA	Analysis	8015B		50	119688	08/24/12 13:39	JZ	TAL SF
Silica Gel Cleanup	Prep	3546			119546	08/22/12 08:20	MP	TAL SF
Silica Gel Cleanup	Analysis	8015B		50	119689	08/24/12 12:26	JZ	TAL SF
Total/NA	Prep	3050B			119452	08/20/12 20:07	CDT	TAL SF
Total/NA	Analysis	6010B		4	119569	08/22/12 11:21	EFH	TAL SF
Total/NA	Prep	9071B			47673	08/24/12 12:33	DA	TAL IRV
Total/NA	Analysis	9071B		1	47686	08/24/12 13:08	DA	TAL IRV

Client Sample ID: EX-9

Lab Sample ID: 720-44028-2

Date Collected: 08/16/12 23:40

Matrix: Solid

Date Received: 08/17/12 06:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119485	08/20/12 07:30	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119382	08/20/12 18:41	AC	TAL SF
Total/NA	Prep	5030B			119528	08/21/12 20:20	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119511	08/21/12 23:34	AC	TAL SF
Total/NA	Prep	3546			119817	08/27/12 20:26	NP	TAL SF
Total/NA	Analysis	8270C		5	119898	08/28/12 20:44	ML	TAL SF
Total/NA	Prep	3546			119540	08/22/12 07:35	NP	TAL SF
Total/NA	Analysis	8015B		20	119688	08/24/12 14:04	JZ	TAL SF
Silica Gel Cleanup	Prep	3546			119546	08/22/12 08:20	MP	TAL SF
Silica Gel Cleanup	Analysis	8015B		20	119689	08/24/12 12:50	JZ	TAL SF
Total/NA	Prep	3050B			119452	08/20/12 20:07	CDT	TAL SF
Total/NA	Analysis	6010B		4	119569	08/22/12 11:30	EFH	TAL SF
Total/NA	Prep	9071B			47673	08/24/12 12:33	DA	TAL IRV
Total/NA	Analysis	9071B		1	47686	08/24/12 13:08	DA	TAL IRV

Client Sample ID: EX-10

Lab Sample ID: 720-44028-3

Date Collected: 08/16/12 23:53

Matrix: Solid

Date Received: 08/17/12 06:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119455	08/20/12 21:31	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119447	08/21/12 01:29	LL	TAL SF
Total/NA	Prep	5030B			119528	08/21/12 20:20	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119511	08/22/12 00:03	AC	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-44028-1

Client Sample ID: EX-10

Lab Sample ID: 720-44028-3

Date Collected: 08/16/12 23:53

Matrix: Solid

Date Received: 08/17/12 06:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			119817	08/27/12 20:26	NP	TAL SF
Total/NA	Analysis	8270C		5	119898	08/28/12 21:08	ML	TAL SF
Total/NA	Prep	3546			119540	08/22/12 07:35	NP	TAL SF
Total/NA	Analysis	8015B		50	119688	08/24/12 12:26	JZ	TAL SF
Silica Gel Cleanup	Prep	3546			119546	08/22/12 08:20	MP	TAL SF
Silica Gel Cleanup	Analysis	8015B		50	119689	08/24/12 13:15	JZ	TAL SF
Total/NA	Prep	3050B			119452	08/20/12 20:07	CDT	TAL SF
Total/NA	Analysis	6010B		4	119569	08/22/12 11:35	EFH	TAL SF
Total/NA	Prep	9071B			47673	08/24/12 12:33	DA	TAL IRV
Total/NA	Analysis	9071B		1	47686	08/24/12 13:08	DA	TAL IRV

Client Sample ID: EX-11

Lab Sample ID: 720-44028-4

Date Collected: 08/17/12 01:40

Matrix: Solid

Date Received: 08/17/12 06:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119455	08/20/12 21:31	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119447	08/21/12 01:57	LL	TAL SF
Total/NA	Prep	3546			119817	08/27/12 20:26	NP	TAL SF
Total/NA	Analysis	8270C		5	119898	08/28/12 21:31	ML	TAL SF
Total/NA	Prep	3546			119540	08/22/12 07:35	NP	TAL SF
Total/NA	Analysis	8015B		20	119688	08/24/12 12:50	JZ	TAL SF
Silica Gel Cleanup	Prep	3546			119546	08/22/12 08:20	MP	TAL SF
Silica Gel Cleanup	Analysis	8015B		20	119689	08/24/12 13:39	JZ	TAL SF
Total/NA	Prep	3050B			119452	08/20/12 20:07	CDT	TAL SF
Total/NA	Analysis	6010B		4	119569	08/22/12 11:39	EFH	TAL SF
Total/NA	Prep	9071B			47673	08/24/12 12:33	DA	TAL IRV
Total/NA	Analysis	9071B		1	47686	08/24/12 13:08	DA	TAL IRV

Client Sample ID: EX-12

Lab Sample ID: 720-44028-5

Date Collected: 08/17/12 01:57

Matrix: Solid

Date Received: 08/17/12 06:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119455	08/20/12 21:31	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119447	08/21/12 02:26	LL	TAL SF
Total/NA	Prep	3546			119817	08/27/12 20:26	NP	TAL SF
Total/NA	Analysis	8270C		5	119898	08/28/12 21:56	ML	TAL SF
Total/NA	Prep	3546			119540	08/22/12 07:35	NP	TAL SF
Total/NA	Analysis	8015B		20	119688	08/24/12 13:15	JZ	TAL SF
Silica Gel Cleanup	Prep	3546			119546	08/22/12 08:20	MP	TAL SF
Silica Gel Cleanup	Analysis	8015B		20	119689	08/24/12 14:04	JZ	TAL SF
Total/NA	Prep	3050B			119452	08/20/12 20:07	CDT	TAL SF
Total/NA	Analysis	6010B		4	119569	08/22/12 11:52	EFH	TAL SF
Total/NA	Prep	9071B			47673	08/24/12 12:33	DA	TAL IRV

Lab Chronicle

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

TestAmerica Job ID: 720-44028-1

Client Sample ID: EX-12

Lab Sample ID: 720-44028-5

Date Collected: 08/17/12 01:57

Matrix: Solid

Date Received: 08/17/12 06:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9071B		1	47686	08/24/12 13:08	DA	TAL IRV

Client Sample ID: EX-13

Lab Sample ID: 720-44028-6

Date Collected: 08/17/12 02:08

Matrix: Solid

Date Received: 08/17/12 06:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119455	08/20/12 21:31	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119447	08/21/12 02:55	LL	TAL SF
Total/NA	Prep	3546			119817	08/27/12 20:26	NP	TAL SF
Total/NA	Analysis	8270C		5	119898	08/28/12 22:20	ML	TAL SF
Total/NA	Prep	3546			119540	08/22/12 07:35	NP	TAL SF
Total/NA	Analysis	8015B		1	119688	08/24/12 11:12	JZ	TAL SF
Silica Gel Cleanup	Prep	3546			119929	08/28/12 17:53	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	119958	08/29/12 12:29	JZ	TAL SF
Total/NA	Prep	3050B			119452	08/20/12 20:07	CDT	TAL SF
Total/NA	Analysis	6010B		4	119569	08/22/12 11:56	EFH	TAL SF
Total/NA	Prep	9071B			47673	08/24/12 12:33	DA	TAL IRV
Total/NA	Analysis	9071B		1	47686	08/24/12 13:08	DA	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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

Certification Summary

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

TestAmerica Job ID: 720-44028-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arizona	State Program	9	AZ0671	10-13-12
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	07-31-12
New Mexico	State Program	6	N/A	01-31-12
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-12
USDA	Federal		P330-09-00080	06-06-14

Method Summary

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

TestAmerica Job ID: 720-44028-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL SF
8270C	Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF
6010B	Metals (ICP)	SW846	TAL SF
9071B	HEM and SGT-HEM	SW846	TAL IRV

Protocol References:

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

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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



Sample Summary

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

TestAmerica Job ID: 720-44028-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44028-1	EX-8	Solid	08/16/12 22:21	08/17/12 06:58
720-44028-2	EX-9	Solid	08/16/12 23:40	08/17/12 06:58
720-44028-3	EX-10	Solid	08/16/12 23:53	08/17/12 06:58
720-44028-4	EX-11	Solid	08/17/12 01:40	08/17/12 06:58
720-44028-5	EX-12	Solid	08/17/12 01:57	08/17/12 06:58
720-44028-6	EX-13	Solid	08/17/12 02:08	08/17/12 06:58

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CHAIN OF CUSTODY RECORD

JDE NO. 3862

720-44028

8/30/2012



TestAmerica
1220 Quarry Lane
Pleasanton, CA 94566

Phone: 925.484.1919

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: 15575 Los Gatos Boulevard, Building C

City/State/Zip: Los Gatos, CA 95032

Project Manager: Gary Messerotes email: gary.messerotes@stantec.com

Telephone Number: 408-356-6124 ext 252 Fax No.: 408-356-6138

Sampler Name: (Print) Tristan Rhodes

Sampler Signature: *[Signature]*

PO & Quote Number: Goodyear PO No. C4121 Quote No. Posted on TestAmerica Oasis 12-17-08

Report To: Alicia Falk

Invoice To: Karen Burlingame Goodyear Dept. 110F 1144 E. Market St. Akron, OH 44136-0001

Invoice email: karen.burlingame@goodyear.com

Territory ID: Former Goodyear DEX# 9578, 3430 Castro Valley Boulevard, Castro Valley, CA

Project No & ID: 185702561

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 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)	8015B - TPH-GRO	9071B - TRPH	8260B - BTEX, MTBE, EDC, and EDB	8270C - SVOCs	6010B - Lead	8015 - TPH-DRO (C10 to C28) with Silica Gel Cleanup	RUSH TAT (Pre-Schedule)	RUSH Due Date	Standard TAT-10 Business Day	TestAmerica QC Level 2		Electronic Deliverables						
EX-8	8/16/12	2221	1	X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	EDF Required
EX-9	8/16/12	2340	1	X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	" "	
EX-10	8/16/12	2353	1	X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	" "	
EX-11	8/17/12	0140	1	X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	" "	
EX-12	8/17/12	0157	1	X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	" "	
EX-13	8/17/12	0208	1	X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	" "	

Special Instructions: **A copy of the chain of custody must accompany each invoice to Goodyear for payment !!!**
Detection limits (in ug/l) for TPH-DRO/ORO must not exceed 100 ug/l.

EDF REQUIRED GLOBAL ID = T0600101801 SEND ANALYTICAL REPORTS TO alicia.falk@stantec.com

Laboratory Comments:
Temperature Upon Receipt: _____
Sample Containers Intact? Y N **2.7°C**

VOCs Free of Headspace? Y N

Relinquished by: <i>[Signature]</i>	Date: 8/17/12	Time: 0618	Received by: <i>[Signature]</i>	Date: 8-17-12	Time: 0618
Relinquished by: <i>[Signature]</i>	Date: 8/17/12	Time: 0658	Received by: TestAmerica: <i>[Signature]</i>	Date: 8-17-12	Time: 0658

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

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-44028-1

Login Number: 44028

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Bullock, Tracy

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



Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-44028-1

Login Number: 44028

List Number: 1

Creator: Avila, Stephanie

List Source: TestAmerica Irvine

List Creation: 08/21/12 03:33 PM

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



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 720-44049-1

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

For:
Stantec Consulting Corp.
15575 Los Gatos Blvd
Bldg. C
Los Gatos, California 95032

Attn: Ms. Alicia Falk



Authorized for release by:
9/5/2012 4:51:20 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

TestAmerica Job ID: 720-44049-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
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.
X	Surrogate is outside control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Case Narrative

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

TestAmerica Job ID: 720-44049-1

Job ID: 720-44049-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-44049-1

Comments

No additional comments.

Receipt

The samples were received on 8/20/2012 10:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for batch #119817 exceeded control limits for the following analyte(s): Benzoic acid. Benzoic acid has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. <<Add if qualifies>> Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified.

Method(s) 8270C: The following sample(s) was diluted due to the abundance of non-target analytes: EX-15 (720-44049-2), EX-18 (720-44049-5). Elevated reporting limits (RLs) are provided.

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: EX-18 (720-44049-5).

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: (720-44049-2 MS), (720-44049-2 MSD), EX-15 (720-44049-2), EX-18 (720-44049-5).

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: EX-15 (720-44049-2).

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: EX-18 (720-44049-5).

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

Method(s) 9071B: Analysis for Hexane Extractable Material (HEM) was performed for the following sample(s): EX-14 (720-44049-1), EX-16 (720-44049-3), EX-17 (720-44049-4), EX-19 (720-44049-6), TB-2 (440-21478-1). Since the HEM result(s) was below the reporting limit (RL), the result(s) for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 720-44049-1

Client Sample ID: EX-14

Lab Sample ID: 720-44049-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	86		3.0		mg/Kg	3		8015B	Total/NA
Diesel Range Organics [C10-C28]	83		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Lead	13		2.0		mg/Kg	4		6010B	Total/NA

Client Sample ID: EX-15

Lab Sample ID: 720-44049-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	24		4.8		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	14		9.5		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	2000		240		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	540		9.9		mg/Kg	10		8015B	Total/NA
Diesel Range Organics [C10-C28]	530		9.9		mg/Kg	10		8015B	Silica Gel Cleanup
Lead	11		1.9		mg/Kg	4		6010B	Total/NA
HEM	660		200	24	mg/Kg	1		9071B	Total/NA

Client Sample ID: EX-16

Lab Sample ID: 720-44049-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	55		10		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	570		250		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	12		1.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	5.5		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Lead	9.1		1.9		mg/Kg	4		6010B	Total/NA

Client Sample ID: EX-17

Lab Sample ID: 720-44049-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	52		0.99		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	40		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Lead	9.5		1.9		mg/Kg	4		6010B	Total/NA

Client Sample ID: EX-18

Lab Sample ID: 720-44049-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	1000		250		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	390		10		mg/Kg	10		8015B	Total/NA
Diesel Range Organics [C10-C28]	250		10		mg/Kg	10		8015B	Silica Gel Cleanup
Lead	9.6		1.9		mg/Kg	4		6010B	Total/NA
HEM	580		200	24	mg/Kg	1		9071B	Total/NA

Client Sample ID: EX-19

Lab Sample ID: 720-44049-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	5.6		1.0		mg/Kg	1		8015B	Total/NA
Lead	8.5		2.0		mg/Kg	4		6010B	Total/NA

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 15:23	1
Benzene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 15:23	1
EDB	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 15:23	1
1,2-DCA	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 15:23	1
Ethylbenzene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 15:23	1
Toluene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 15:23	1
Xylenes, Total	ND		9.9		ug/Kg		08/22/12 07:30	08/22/12 15:23	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/22/12 07:30	08/22/12 15:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		45 - 131				08/22/12 07:30	08/22/12 15:23	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140				08/22/12 07:30	08/22/12 15:23	1
Toluene-d8 (Surr)	106		58 - 140				08/22/12 07:30	08/22/12 15:23	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		08/22/12 07:30	08/22/12 15:52	1
Benzene	ND		4.8		ug/Kg		08/22/12 07:30	08/22/12 15:52	1
EDB	ND		4.8		ug/Kg		08/22/12 07:30	08/22/12 15:52	1
1,2-DCA	ND		4.8		ug/Kg		08/22/12 07:30	08/22/12 15:52	1
Ethylbenzene	24		4.8		ug/Kg		08/22/12 07:30	08/22/12 15:52	1
Toluene	ND		4.8		ug/Kg		08/22/12 07:30	08/22/12 15:52	1
Xylenes, Total	14		9.5		ug/Kg		08/22/12 07:30	08/22/12 15:52	1
Gasoline Range Organics (GRO) -C5-C12	2000		240		ug/Kg		08/22/12 07:30	08/22/12 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		45 - 131				08/22/12 07:30	08/22/12 15:52	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 140				08/22/12 07:30	08/22/12 15:52	1
Toluene-d8 (Surr)	109		58 - 140				08/22/12 07:30	08/22/12 15:52	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 16:21	1
Benzene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 16:21	1
EDB	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 16:21	1
1,2-DCA	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 16:21	1
Ethylbenzene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 16:21	1
Toluene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 16:21	1
Xylenes, Total	55		10		ug/Kg		08/22/12 07:30	08/22/12 16:21	1
Gasoline Range Organics (GRO) -C5-C12	570		250		ug/Kg		08/22/12 07:30	08/22/12 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		45 - 131				08/22/12 07:30	08/22/12 16:21	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				08/22/12 07:30	08/22/12 16:21	1
Toluene-d8 (Surr)	107		58 - 140				08/22/12 07:30	08/22/12 16:21	1

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: EX-17
Date Collected: 08/18/12 00:10
Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		08/22/12 07:30	08/22/12 16:50	1
Benzene	ND		4.8		ug/Kg		08/22/12 07:30	08/22/12 16:50	1
EDB	ND		4.8		ug/Kg		08/22/12 07:30	08/22/12 16:50	1
1,2-DCA	ND		4.8		ug/Kg		08/22/12 07:30	08/22/12 16:50	1
Ethylbenzene	ND		4.8		ug/Kg		08/22/12 07:30	08/22/12 16:50	1
Toluene	ND		4.8		ug/Kg		08/22/12 07:30	08/22/12 16:50	1
Xylenes, Total	ND		9.6		ug/Kg		08/22/12 07:30	08/22/12 16:50	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/22/12 07:30	08/22/12 16:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		45 - 131				08/22/12 07:30	08/22/12 16:50	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140				08/22/12 07:30	08/22/12 16:50	1
Toluene-d8 (Surr)	105		58 - 140				08/22/12 07:30	08/22/12 16:50	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 17:20	1
Benzene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 17:20	1
EDB	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 17:20	1
1,2-DCA	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 17:20	1
Ethylbenzene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 17:20	1
Toluene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 17:20	1
Xylenes, Total	ND		9.9		ug/Kg		08/22/12 07:30	08/22/12 17:20	1
Gasoline Range Organics (GRO) -C5-C12	1000		250		ug/Kg		08/22/12 07:30	08/22/12 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		45 - 131				08/22/12 07:30	08/22/12 17:20	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 140				08/22/12 07:30	08/22/12 17:20	1
Toluene-d8 (Surr)	109		58 - 140				08/22/12 07:30	08/22/12 17:20	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		08/22/12 07:30	08/22/12 17:49	1
Benzene	ND		4.9		ug/Kg		08/22/12 07:30	08/22/12 17:49	1
EDB	ND		4.9		ug/Kg		08/22/12 07:30	08/22/12 17:49	1
1,2-DCA	ND		4.9		ug/Kg		08/22/12 07:30	08/22/12 17:49	1
Ethylbenzene	ND		4.9		ug/Kg		08/22/12 07:30	08/22/12 17:49	1
Toluene	ND		4.9		ug/Kg		08/22/12 07:30	08/22/12 17:49	1
Xylenes, Total	ND		9.9		ug/Kg		08/22/12 07:30	08/22/12 17:49	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/22/12 07:30	08/22/12 17:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		45 - 131				08/22/12 07:30	08/22/12 17:49	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140				08/22/12 07:30	08/22/12 17:49	1
Toluene-d8 (Surr)	105		58 - 140				08/22/12 07:30	08/22/12 17:49	1

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

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

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

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

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

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

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

(Continued)

Client Sample ID: EX-14

Date Collected: 08/17/12 23:05

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Chrysene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Benzo[a]pyrene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Benzoic acid	ND	*	0.33		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Azobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		21 - 98	08/27/12 20:26	08/28/12 18:05	1
2-Fluorobiphenyl	77		30 - 112	08/27/12 20:26	08/28/12 18:05	1
Terphenyl-d14	76		32 - 117	08/27/12 20:26	08/28/12 18:05	1
2-Fluorophenol	64		28 - 98	08/27/12 20:26	08/28/12 18:05	1
Phenol-d5	68		23 - 101	08/27/12 20:26	08/28/12 18:05	1
2,4,6-Tribromophenol	73		37 - 114	08/27/12 20:26	08/28/12 18:05	1

Client Sample ID: EX-15

Date Collected: 08/17/12 23:10

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-2

Matrix: Solid

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

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

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

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

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

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

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

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

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

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

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

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

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

(Continued)

Client Sample ID: EX-16

Date Collected: 08/17/12 23:12

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-3

Matrix: Solid

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

Client Sample ID: EX-17

Date Collected: 08/18/12 00:10

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-4

Matrix: Solid

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

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

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

Client Sample ID: EX-17
Date Collected: 08/18/12 00:10
Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2-Chloronaphthalene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2-Nitroaniline	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Acenaphthylene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
3-Nitroaniline	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Acenaphthene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
4-Nitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Dibenzofuran	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Diethyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Fluorene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
4-Nitroaniline	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Hexachlorobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Pentachlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Phenanthrene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Anthracene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Fluoranthene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Pyrene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Chrysene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Benzo[a]pyrene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Benzoic acid	ND	*	0.33		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Azobenzene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		08/27/12 20:26	08/28/12 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		21 - 98				08/27/12 20:26	08/28/12 19:03	1
2-Fluorobiphenyl	74		30 - 112				08/27/12 20:26	08/28/12 19:03	1
Terphenyl-d14	79		32 - 117				08/27/12 20:26	08/28/12 19:03	1
2-Fluorophenol	61		28 - 98				08/27/12 20:26	08/28/12 19:03	1
Phenol-d5	64		23 - 101				08/27/12 20:26	08/28/12 19:03	1
2,4,6-Tribromophenol	74		37 - 114				08/27/12 20:26	08/28/12 19:03	1

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

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

Client Sample ID: EX-18

Date Collected: 08/18/12 00:25

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-5

Matrix: Solid

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

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

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

Client Sample ID: EX-18

Date Collected: 08/18/12 00:25

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-5

Matrix: Solid

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

Client Sample ID: EX-19

Date Collected: 08/18/12 00:30

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-6

Matrix: Solid

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

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

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

(Continued)

Client Sample ID: EX-19

Date Collected: 08/18/12 00:30

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-6

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2-Chloronaphthalene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2-Nitroaniline	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Acenaphthylene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
3-Nitroaniline	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Acenaphthene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
4-Nitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Dibenzofuran	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Diethyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Fluorene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
4-Nitroaniline	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Hexachlorobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Pentachlorophenol	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Phenanthrene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Anthracene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Fluoranthene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Pyrene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Chrysene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Benzo[a]pyrene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Benzoic acid	ND	*	0.33		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Azobenzene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		08/27/12 20:26	08/28/12 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	65		21 - 98	08/27/12 20:26	08/28/12 19:31	1
2-Fluorobiphenyl	74		30 - 112	08/27/12 20:26	08/28/12 19:31	1
Terphenyl-d14	78		32 - 117	08/27/12 20:26	08/28/12 19:31	1
2-Fluorophenol	61		28 - 98	08/27/12 20:26	08/28/12 19:31	1
Phenol-d5	66		23 - 101	08/27/12 20:26	08/28/12 19:31	1
2,4,6-Tribromophenol	73		37 - 114	08/27/12 20:26	08/28/12 19:31	1

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	86		3.0		mg/Kg		08/25/12 14:13	08/27/12 19:06	3
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	92		40 - 130				08/25/12 14:13	08/27/12 19:06	3

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	540		9.9		mg/Kg		08/25/12 14:13	08/27/12 19:31	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	0	D X	40 - 130				08/25/12 14:13	08/27/12 19:31	10

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	12		1.0		mg/Kg		08/22/12 07:38	08/25/12 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	131	D X	40 - 130				08/22/12 07:38	08/25/12 15:59	1

Client Sample ID: EX-17
Date Collected: 08/18/12 00:10
Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	52		0.99		mg/Kg		08/22/12 07:38	08/25/12 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	77		40 - 130				08/22/12 07:38	08/25/12 16:24	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	390		10		mg/Kg		08/22/12 07:38	08/25/12 04:52	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	0	D X	40 - 130				08/22/12 07:38	08/25/12 04:52	10

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	5.6		1.0		mg/Kg		08/23/12 08:03	08/23/12 17:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	109		40 - 130				08/23/12 08:03	08/23/12 17:28	1

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	83		1.0		mg/Kg		08/31/12 15:36	09/04/12 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.07		0 - 1				08/31/12 15:36	09/04/12 14:44	1
p-Terphenyl	84		38 - 148				08/31/12 15:36	09/04/12 14:44	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	530		9.9		mg/Kg		08/22/12 08:20	08/24/12 16:40	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1				08/22/12 08:20	08/24/12 16:40	10
p-Terphenyl	0	D X	38 - 148				08/22/12 08:20	08/24/12 16:40	10

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	5.5		1.0		mg/Kg		08/31/12 15:41	09/01/12 12:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.02		0 - 1				08/31/12 15:41	09/01/12 12:41	1
p-Terphenyl	74		38 - 148				08/31/12 15:41	09/01/12 12:41	1

Client Sample ID: EX-17
Date Collected: 08/18/12 00:10
Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	40		0.99		mg/Kg		08/31/12 15:41	09/01/12 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.009		0 - 1				08/31/12 15:41	09/01/12 13:05	1
p-Terphenyl	54		38 - 148				08/31/12 15:41	09/01/12 13:05	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	250		10		mg/Kg		08/31/12 15:41	09/01/12 13:29	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1				08/31/12 15:41	09/01/12 13:29	10
p-Terphenyl	0	X D	38 - 148				08/31/12 15:41	09/01/12 13:29	10

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/22/12 08:20	08/24/12 04:51	1

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Capric Acid (Surr)	0.0007		0 - 1	08/22/12 08:20	08/24/12 04:51	1
p-Terphenyl	117		38 - 148	08/22/12 08:20	08/24/12 04:51	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

Method: 6010B - Metals (ICP)

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13		2.0		mg/Kg		08/20/12 20:07	08/22/12 12:33	4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		1.9		mg/Kg		08/20/12 20:07	08/22/12 12:46	4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.1		1.9		mg/Kg		08/20/12 20:07	08/22/12 12:50	4

Client Sample ID: EX-17
Date Collected: 08/18/12 00:10
Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.5		1.9		mg/Kg		08/20/12 20:07	08/22/12 12:55	4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.6		1.9		mg/Kg		08/20/12 20:07	08/22/12 12:59	4

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.5		2.0		mg/Kg		08/20/12 20:07	08/22/12 13:03	4

Client Sample Results

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

TestAmerica Job ID: 720-44049-1

General Chemistry

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	ND		200	24	mg/Kg		08/27/12 10:07	08/27/12 10:12	1
SGT-HEM	ND		170	20	mg/Kg		08/27/12 10:07	08/27/12 10:12	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	660		200	24	mg/Kg		08/27/12 10:07	08/27/12 10:12	1
SGT-HEM	ND		170	20	mg/Kg		08/27/12 10:07	08/27/12 10:12	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	ND		200	24	mg/Kg		08/27/12 10:07	08/27/12 10:12	1
SGT-HEM	ND		170	20	mg/Kg		08/27/12 10:07	08/27/12 10:12	1

Client Sample ID: EX-17
Date Collected: 08/18/12 00:10
Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	ND		200	24	mg/Kg		08/27/12 10:07	08/27/12 10:12	1
SGT-HEM	ND		170	20	mg/Kg		08/27/12 10:07	08/27/12 10:12	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	580		200	24	mg/Kg		08/27/12 10:07	08/27/12 10:12	1
SGT-HEM	ND		170	20	mg/Kg		08/27/12 10:07	08/27/12 10:12	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	ND		200	24	mg/Kg		08/27/12 10:07	08/27/12 10:12	1
SGT-HEM	ND		170	20	mg/Kg		08/27/12 10:07	08/27/12 10:12	1

QC Sample Results

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

TestAmerica Job ID: 720-44049-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-119574/1-A

Matrix: Solid

Analysis Batch: 119539

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 09:17	1
Benzene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 09:17	1
EDB	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 09:17	1
1,2-DCA	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 09:17	1
Ethylbenzene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 09:17	1
Toluene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 09:17	1
Xylenes, Total	ND		10		ug/Kg		08/22/12 07:30	08/22/12 09:17	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/22/12 07:30	08/22/12 09:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		45 - 131	08/22/12 07:30	08/22/12 09:17	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140	08/22/12 07:30	08/22/12 09:17	1
Toluene-d8 (Surr)	104		58 - 140	08/22/12 07:30	08/22/12 09:17	1

Lab Sample ID: LCS 720-119574/2-A

Matrix: Solid

Analysis Batch: 119539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	56.5		ug/Kg		113	70 - 144
Benzene	50.0	54.6		ug/Kg		109	70 - 130
EDB	50.0	61.3		ug/Kg		123	70 - 140
1,2-DCA	50.0	53.2		ug/Kg		106	70 - 130
Ethylbenzene	50.0	55.0		ug/Kg		110	80 - 137
Toluene	50.0	52.5		ug/Kg		105	80 - 128
m-Xylene & p-Xylene	100	119		ug/Kg		119	70 - 146
o-Xylene	50.0	56.0		ug/Kg		112	70 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	109		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	110		58 - 140

Lab Sample ID: LCS 720-119574/4-A

Matrix: Solid

Analysis Batch: 119539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	953		ug/Kg		95	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	106		45 - 131
1,2-Dichloroethane-d4 (Surr)	97		60 - 140
Toluene-d8 (Surr)	110		58 - 140

QC Sample Results

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

TestAmerica Job ID: 720-44049-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119574/3-A

Matrix: Solid

Analysis Batch: 119539

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119574

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	52.9		ug/Kg		106	70 - 144	7	20
Benzene	50.0	53.0		ug/Kg		106	70 - 130	3	20
EDB	50.0	57.3		ug/Kg		115	70 - 140	7	20
1,2-DCA	50.0	49.8		ug/Kg		100	70 - 130	7	20
Ethylbenzene	50.0	54.9		ug/Kg		110	80 - 137	0	20
Toluene	50.0	53.2		ug/Kg		106	80 - 128	1	20
m-Xylene & p-Xylene	100	119		ug/Kg		119	70 - 146	0	20
o-Xylene	50.0	55.6		ug/Kg		111	70 - 140	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	110		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	108		58 - 140

Lab Sample ID: LCSD 720-119574/5-A

Matrix: Solid

Analysis Batch: 119539

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119574

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	931		ug/Kg		93	61 - 128	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	108		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	112		58 - 140

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

Lab Sample ID: MB 720-119817/1-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Chlorophenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzyl alcohol	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Methylphenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Hexachloroethane	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Nitrobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Isophorone	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Nitrophenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1

QC Sample Results

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

TestAmerica Job ID: 720-44049-1

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

(Continued)

Lab Sample ID: MB 720-119817/1-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Naphthalene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Chloroaniline	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Hexachlorobutadiene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Methylnaphthalene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Chloronaphthalene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Nitroaniline	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Acenaphthylene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
3-Nitroaniline	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Acenaphthene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Nitrophenol	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Dibenzofuran	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Diethyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Fluorene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Nitroaniline	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Hexachlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Pentachlorophenol	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Phenanthrene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Anthracene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Fluoranthene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Pyrene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Chrysene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[a]pyrene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzoic acid	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1

QC Sample Results

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

TestAmerica Job ID: 720-44049-1

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

(Continued)

Lab Sample ID: MB 720-119817/1-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	76		21 - 98	08/27/12 12:33	08/28/12 15:20	1
2-Fluorobiphenyl	78		30 - 112	08/27/12 12:33	08/28/12 15:20	1
Terphenyl-d14	83		32 - 117	08/27/12 12:33	08/28/12 15:20	1
2-Fluorophenol	74		28 - 98	08/27/12 12:33	08/28/12 15:20	1
Phenol-d5	76		23 - 101	08/27/12 12:33	08/28/12 15:20	1
2,4,6-Tribromophenol	73		37 - 114	08/27/12 12:33	08/28/12 15:20	1

Lab Sample ID: LCS 720-119817/2-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	1.66	1.11		mg/Kg		67	48 - 115
Bis(2-chloroethyl)ether	1.66	1.07		mg/Kg		65	45 - 115
2-Chlorophenol	1.66	1.13		mg/Kg		68	48 - 115
1,3-Dichlorobenzene	1.66	1.05		mg/Kg		63	41 - 115
1,4-Dichlorobenzene	1.66	1.08		mg/Kg		65	40 - 115
Benzyl alcohol	1.66	1.21		mg/Kg		73	54 - 115
1,2-Dichlorobenzene	1.66	1.11		mg/Kg		67	44 - 115
2-Methylphenol	1.66	1.14		mg/Kg		69	54 - 115
Methylphenol, 3 & 4	3.31	1.94		mg/Kg		59	42 - 115
N-Nitrosodi-n-propylamine	1.66	1.18		mg/Kg		71	46 - 115
Hexachloroethane	1.66	1.07		mg/Kg		65	44 - 115
Nitrobenzene	1.66	1.21		mg/Kg		73	48 - 115
Isophorone	1.66	1.24		mg/Kg		75	54 - 115
2-Nitrophenol	1.66	1.17		mg/Kg		70	48 - 115
2,4-Dimethylphenol	1.66	1.16		mg/Kg		70	52 - 115
Bis(2-chloroethoxy)methane	1.66	1.19		mg/Kg		72	46 - 115
2,4-Dichlorophenol	1.66	1.21		mg/Kg		73	49 - 100
1,2,4-Trichlorobenzene	1.66	1.14		mg/Kg		69	47 - 115
Naphthalene	1.66	1.16		mg/Kg		70	44 - 115
4-Chloroaniline	1.66	1.12		mg/Kg		67	30 - 115
Hexachlorobutadiene	1.66	1.16		mg/Kg		70	44 - 115
4-Chloro-3-methylphenol	1.66	1.31		mg/Kg		79	58 - 115
2-Methylnaphthalene	1.66	1.16		mg/Kg		70	49 - 115
Hexachlorocyclopentadiene	1.66	1.32		mg/Kg		80	42 - 132
2,4,6-Trichlorophenol	1.66	1.28		mg/Kg		77	45 - 115
2,4,5-Trichlorophenol	1.66	1.24		mg/Kg		75	48 - 115
2-Chloronaphthalene	1.66	1.21		mg/Kg		73	52 - 115
2-Nitroaniline	1.66	1.36		mg/Kg		82	54 - 115
Dimethyl phthalate	1.66	1.34		mg/Kg		81	64 - 119
Acenaphthylene	1.66	1.34		mg/Kg		81	61 - 129
3-Nitroaniline	1.66	1.37		mg/Kg		83	50 - 115
Acenaphthene	1.66	1.24		mg/Kg		75	50 - 115

QC Sample Results

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

TestAmerica Job ID: 720-44049-1

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

(Continued)

Lab Sample ID: LCS 720-119817/2-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrophenol	1.66	ND		mg/Kg		30	15 - 115
4-Nitrophenol	1.66	1.53		mg/Kg		92	54 - 125
Dibenzofuran	1.66	1.25		mg/Kg		75	55 - 115
2,4-Dinitrotoluene	1.66	1.52		mg/Kg		92	57 - 115
2,6-Dinitrotoluene	1.66	1.45		mg/Kg		87	54 - 119
Diethyl phthalate	1.66	1.38		mg/Kg		83	49 - 117
4-Chlorophenyl phenyl ether	1.66	1.32		mg/Kg		80	57 - 115
Fluorene	1.66	1.27		mg/Kg		77	54 - 115
4-Nitroaniline	1.66	1.45		mg/Kg		88	59 - 115
2-Methyl-4,6-dinitrophenol	1.66	1.01		mg/Kg		61	39 - 115
N-Nitrosodiphenylamine	1.66	1.35		mg/Kg		82	56 - 115
4-Bromophenyl phenyl ether	1.66	1.32		mg/Kg		80	53 - 115
Hexachlorobenzene	1.66	1.40		mg/Kg		85	55 - 115
Pentachlorophenol	1.66	1.21		mg/Kg		73	35 - 115
Phenanthrene	1.66	1.33		mg/Kg		81	54 - 115
Anthracene	1.66	1.34		mg/Kg		81	55 - 115
Di-n-butyl phthalate	1.66	1.41		mg/Kg		85	55 - 115
Fluoranthene	1.66	1.42		mg/Kg		85	54 - 115
Pyrene	1.66	1.45		mg/Kg		87	48 - 115
Butyl benzyl phthalate	1.66	1.54		mg/Kg		93	53 - 115
3,3'-Dichlorobenzidine	1.66	1.34		mg/Kg		81	42 - 115
Benzo[a]anthracene	1.66	1.46		mg/Kg		88	55 - 115
Bis(2-ethylhexyl) phthalate	1.66	1.52		mg/Kg		92	53 - 115
Chrysene	1.66	1.46		mg/Kg		88	58 - 115
Di-n-octyl phthalate	1.66	1.55		mg/Kg		94	53 - 115
Benzo[b]fluoranthene	1.66	1.73		mg/Kg		105	56 - 115
Benzo[a]pyrene	1.66	1.38		mg/Kg		83	55 - 115
Benzo[k]fluoranthene	1.66	1.25		mg/Kg		75	57 - 115
Indeno[1,2,3-cd]pyrene	1.66	1.40		mg/Kg		84	56 - 115
Benzo[g,h,i]perylene	1.66	1.43		mg/Kg		86	56 - 115
Benzoic acid	1.66	0.429		mg/Kg		26	10 - 115
Azobenzene	1.66	1.32		mg/Kg		80	52 - 115
Dibenz(a,h)anthracene	1.66	1.39		mg/Kg		84	58 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	72		21 - 98
2-Fluorobiphenyl	73		30 - 112
Terphenyl-d14	89		32 - 117
2-Fluorophenol	73		28 - 98
Phenol-d5	72		23 - 101
2,4,6-Tribromophenol	85		37 - 114

Lab Sample ID: LCSD 720-119817/3-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119817

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	1.65	1.12		mg/Kg		68	48 - 115	1	35

QC Sample Results

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

TestAmerica Job ID: 720-44049-1

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

(Continued)

Lab Sample ID: LCSD 720-119817/3-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119817

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-chloroethyl)ether	1.65	1.16		mg/Kg		70	45 - 115	8	35
2-Chlorophenol	1.65	1.13		mg/Kg		68	48 - 115	0	35
1,3-Dichlorobenzene	1.65	1.06		mg/Kg		64	41 - 115	2	35
1,4-Dichlorobenzene	1.65	1.07		mg/Kg		65	40 - 115	1	35
Benzyl alcohol	1.65	1.21		mg/Kg		73	54 - 115	0	35
1,2-Dichlorobenzene	1.65	1.12		mg/Kg		68	44 - 115	1	35
2-Methylphenol	1.65	1.13		mg/Kg		69	54 - 115	1	35
Methylphenol, 3 & 4	3.30	1.97		mg/Kg		60	42 - 115	1	35
N-Nitrosodi-n-propylamine	1.65	1.19		mg/Kg		72	46 - 115	1	35
Hexachloroethane	1.65	1.07		mg/Kg		65	44 - 115	0	35
Nitrobenzene	1.65	1.21		mg/Kg		73	48 - 115	0	35
Isophorone	1.65	1.21		mg/Kg		73	54 - 115	2	35
2-Nitrophenol	1.65	1.16		mg/Kg		71	48 - 115	0	35
2,4-Dimethylphenol	1.65	1.11		mg/Kg		67	52 - 115	5	35
Bis(2-chloroethoxy)methane	1.65	1.18		mg/Kg		71	46 - 115	1	35
2,4-Dichlorophenol	1.65	1.20		mg/Kg		73	49 - 100	1	35
1,2,4-Trichlorobenzene	1.65	1.14		mg/Kg		69	47 - 115	0	35
Naphthalene	1.65	1.17		mg/Kg		71	44 - 115	0	35
4-Chloroaniline	1.65	1.11		mg/Kg		67	30 - 115	1	35
Hexachlorobutadiene	1.65	1.17		mg/Kg		71	44 - 115	1	35
4-Chloro-3-methylphenol	1.65	1.26		mg/Kg		77	58 - 115	3	35
2-Methylnaphthalene	1.65	1.15		mg/Kg		70	49 - 115	1	35
Hexachlorocyclopentadiene	1.65	1.30		mg/Kg		79	42 - 132	2	35
2,4,6-Trichlorophenol	1.65	1.21		mg/Kg		74	45 - 115	5	35
2,4,5-Trichlorophenol	1.65	1.21		mg/Kg		73	48 - 115	2	35
2-Chloronaphthalene	1.65	1.17		mg/Kg		71	52 - 115	3	35
2-Nitroaniline	1.65	1.34		mg/Kg		81	54 - 115	1	35
Dimethyl phthalate	1.65	1.31		mg/Kg		80	64 - 119	2	35
Acenaphthylene	1.65	1.32		mg/Kg		80	61 - 129	2	35
3-Nitroaniline	1.65	1.34		mg/Kg		81	50 - 115	2	35
Acenaphthene	1.65	1.22		mg/Kg		74	50 - 115	1	35
2,4-Dinitrophenol	1.65	ND		mg/Kg		23	15 - 115	28	35
4-Nitrophenol	1.65	1.37		mg/Kg		83	54 - 125	11	35
Dibenzofuran	1.65	1.23		mg/Kg		74	55 - 115	1	35
2,4-Dinitrotoluene	1.65	1.49		mg/Kg		90	57 - 115	2	35
2,6-Dinitrotoluene	1.65	1.42		mg/Kg		86	54 - 119	2	35
Diethyl phthalate	1.65	1.38		mg/Kg		84	49 - 117	0	35
4-Chlorophenyl phenyl ether	1.65	1.31		mg/Kg		79	57 - 115	1	35
Fluorene	1.65	1.24		mg/Kg		75	54 - 115	3	35
4-Nitroaniline	1.65	1.41		mg/Kg		86	59 - 115	3	35
2-Methyl-4,6-dinitrophenol	1.65	0.893		mg/Kg		54	39 - 115	12	35
N-Nitrosodiphenylamine	1.65	1.37		mg/Kg		83	56 - 115	2	35
4-Bromophenyl phenyl ether	1.65	1.32		mg/Kg		80	53 - 115	0	35
Hexachlorobenzene	1.65	1.38		mg/Kg		83	55 - 115	2	35
Pentachlorophenol	1.65	1.15		mg/Kg		70	35 - 115	5	35
Phenanthrene	1.65	1.33		mg/Kg		81	54 - 115	0	35
Anthracene	1.65	1.35		mg/Kg		82	55 - 115	1	35
Di-n-butyl phthalate	1.65	1.43		mg/Kg		86	55 - 115	1	35

QC Sample Results

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

TestAmerica Job ID: 720-44049-1

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

(Continued)

Lab Sample ID: LCSD 720-119817/3-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119817

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoranthene	1.65	1.44		mg/Kg		87	54 - 115	2	35
Pyrene	1.65	1.45		mg/Kg		88	48 - 115	0	35
Butyl benzyl phthalate	1.65	1.54		mg/Kg		93	53 - 115	0	35
3,3'-Dichlorobenzidine	1.65	1.34		mg/Kg		81	42 - 115	0	35
Benzo[a]anthracene	1.65	1.46		mg/Kg		89	55 - 115	0	35
Bis(2-ethylhexyl) phthalate	1.65	1.52		mg/Kg		92	53 - 115	0	35
Chrysene	1.65	1.46		mg/Kg		88	58 - 115	0	35
Di-n-octyl phthalate	1.65	1.55		mg/Kg		94	53 - 115	0	35
Benzo[b]fluoranthene	1.65	1.66		mg/Kg		100	56 - 115	4	35
Benzo[a]pyrene	1.65	1.38		mg/Kg		84	55 - 115	0	35
Benzo[k]fluoranthene	1.65	1.27		mg/Kg		77	57 - 115	2	35
Indeno[1,2,3-cd]pyrene	1.65	1.41		mg/Kg		86	56 - 115	1	35
Benzo[g,h,i]perylene	1.65	1.44		mg/Kg		87	56 - 115	0	35
Benzoic acid	1.65	ND	*	mg/Kg		17	10 - 115	39	35
Azobenzene	1.65	1.26		mg/Kg		77	52 - 115	4	35
Dibenz(a,h)anthracene	1.65	1.39		mg/Kg		84	58 - 115	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5	72		21 - 98
2-Fluorobiphenyl	71		30 - 112
Terphenyl-d14	90		32 - 117
2-Fluorophenol	73		28 - 98
Phenol-d5	73		23 - 101
2,4,6-Tribromophenol	84		37 - 114

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

Lab Sample ID: MB 720-119541/1-A

Matrix: Solid

Analysis Batch: 119689

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119541

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/22/12 07:38	08/24/12 23:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	118		40 - 130	08/22/12 07:38	08/24/12 23:36	1

Lab Sample ID: LCS 720-119541/2-A

Matrix: Solid

Analysis Batch: 119689

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119541

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	83.0	65.6		mg/Kg		79	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	85		40 - 130

QC Sample Results

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

TestAmerica Job ID: 720-44049-1

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

Lab Sample ID: LCSD 720-119541/3-A

Matrix: Solid

Analysis Batch: 119689

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119541

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	83.1	67.4		mg/Kg		81	50 - 150	3	35
Surrogate		%Recovery	Qualifier						
<i>p-Terphenyl</i>		85					40 - 130		

Lab Sample ID: MB 720-119627/1-A

Matrix: Solid

Analysis Batch: 119626

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119627

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/23/12 08:03	08/23/12 23:59	1
Surrogate		%Recovery	Qualifier				Prepared	Analyzed	Dil Fac
<i>p-Terphenyl</i>		108					08/23/12 08:03	08/23/12 23:59	1

Lab Sample ID: LCS 720-119627/2-A

Matrix: Solid

Analysis Batch: 119626

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119627

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	83.3	68.0		mg/Kg		82	50 - 150		
Surrogate		%Recovery	Qualifier						
<i>p-Terphenyl</i>		88					40 - 130		

Lab Sample ID: LCSD 720-119627/3-A

Matrix: Solid

Analysis Batch: 119626

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119627

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	83.2	71.6		mg/Kg		86	50 - 150	5	35
Surrogate		%Recovery	Qualifier						
<i>p-Terphenyl</i>		92					40 - 130		

Lab Sample ID: MB 720-119769/1-A

Matrix: Solid

Analysis Batch: 119781

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/25/12 14:13	08/27/12 20:45	1
Surrogate		%Recovery	Qualifier				Prepared	Analyzed	Dil Fac
<i>p-Terphenyl</i>		83					08/25/12 14:13	08/27/12 20:45	1

QC Sample Results

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

TestAmerica Job ID: 720-44049-1

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

Lab Sample ID: LCS 720-119769/2-A

Matrix: Solid

Analysis Batch: 119781

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	83.0	61.5		mg/Kg		74	50 - 150
Surrogate		LCS %Recovery	LCS Qualifier				Limits
<i>p-Terphenyl</i>		65					40 - 130

Lab Sample ID: LCSD 720-119769/3-A

Matrix: Solid

Analysis Batch: 119781

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119769

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Diesel Range Organics [C10-C28]	82.9	65.1		mg/Kg		79	50 - 150	6	35
Surrogate		LCSD %Recovery	LCSD Qualifier				Limits		
<i>p-Terphenyl</i>		70					40 - 130		

Lab Sample ID: 720-44049-1 MS

Matrix: Solid

Analysis Batch: 119781

Client Sample ID: EX-14

Prep Type: Total/NA

Prep Batch: 119769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	86		83.0	117	F	mg/Kg		38	50 - 150
Surrogate		MS %Recovery		MS Qualifier					Limits
<i>p-Terphenyl</i>		50							40 - 130

Lab Sample ID: 720-44049-1 MSD

Matrix: Solid

Analysis Batch: 119781

Client Sample ID: EX-14

Prep Type: Total/NA

Prep Batch: 119769

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Diesel Range Organics [C10-C28]	86		82.2	105	F	mg/Kg		24	50 - 150	11	30
Surrogate		MSD %Recovery		MSD Qualifier					Limits		
<i>p-Terphenyl</i>		47							40 - 130		

Lab Sample ID: MB 720-119546/1-A

Matrix: Solid

Analysis Batch: 119625

Client Sample ID: Method Blank

Prep Type: Silica Gel Cleanup

Prep Batch: 119546

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/22/12 08:20	08/24/12 01:12	1
Surrogate		MB %Recovery		MB Qualifier			Prepared	Analyzed	Dil Fac
<i>Capric Acid (Surr)</i>		0.0008					08/22/12 08:20	08/24/12 01:12	1
<i>p-Terphenyl</i>		126					08/22/12 08:20	08/24/12 01:12	1

QC Sample Results

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

TestAmerica Job ID: 720-44049-1

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

Lab Sample ID: LCS 720-119546/2-A

Matrix: Solid

Analysis Batch: 119625

Client Sample ID: Lab Control Sample

Prep Type: Silica Gel Cleanup

Prep Batch: 119546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.1	53.0		mg/Kg		65	36 - 112
Surrogate		LCS %Recovery	LCS Qualifier				Limits
<i>p-Terphenyl</i>		78					38 - 148

Lab Sample ID: LCSD 720-119546/3-A

Matrix: Solid

Analysis Batch: 119625

Client Sample ID: Lab Control Sample Dup

Prep Type: Silica Gel Cleanup

Prep Batch: 119546

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Diesel Range Organics [C10-C28]	83.0	60.6		mg/Kg		73	36 - 112	13	35
Surrogate		LCSD %Recovery	LCSD Qualifier				Limits		
<i>p-Terphenyl</i>		85					38 - 148		

Lab Sample ID: 720-44049-2 MS

Matrix: Solid

Analysis Batch: 119689

Client Sample ID: EX-15

Prep Type: Silica Gel Cleanup

Prep Batch: 119546

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	530		82.8	627	4	mg/Kg		122	50 - 150
Surrogate		MS %Recovery		MS Qualifier					Limits
<i>p-Terphenyl</i>		0		D X					38 - 148

Lab Sample ID: 720-44049-2 MSD

Matrix: Solid

Analysis Batch: 119689

Client Sample ID: EX-15

Prep Type: Silica Gel Cleanup

Prep Batch: 119546

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Diesel Range Organics [C10-C28]	530		82.8	642	4	mg/Kg		140	50 - 150	2	30
Surrogate		MSD %Recovery		MSD Qualifier					Limits		
<i>p-Terphenyl</i>		0		D X					38 - 148		

Lab Sample ID: MB 720-120148/1-A

Matrix: Solid

Analysis Batch: 120178

Client Sample ID: Method Blank

Prep Type: Silica Gel Cleanup

Prep Batch: 120148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/31/12 15:36	09/01/12 22:37	1
Surrogate		MB %Recovery		MB Qualifier			Prepared	Analyzed	Dil Fac
<i>Capric Acid (Surr)</i>		0.006		0 - 1			08/31/12 15:36	09/01/12 22:37	1
<i>p-Terphenyl</i>		84		38 - 148			08/31/12 15:36	09/01/12 22:37	1

QC Sample Results

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

TestAmerica Job ID: 720-44049-1

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

Lab Sample ID: LCS 720-120148/2-A
Matrix: Solid
Analysis Batch: 120178

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 120148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	83.0	57.5		mg/Kg		69	36 - 112
Surrogate		LCS %Recovery	LCS Qualifier				Limits
<i>p-Terphenyl</i>		71					38 - 148

Lab Sample ID: LCSD 720-120148/3-A
Matrix: Solid
Analysis Batch: 120178

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 120148

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.9	59.4		mg/Kg		72	36 - 112	3	35
Surrogate		LCSD %Recovery	LCSD Qualifier				Limits		
<i>p-Terphenyl</i>		77					38 - 148		

Lab Sample ID: MB 720-120149/1-A
Matrix: Solid
Analysis Batch: 120178

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 120149

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/31/12 15:41	09/01/12 12:16	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Capric Acid (Surr)</i>	0.006		0 - 1				08/31/12 15:41	09/01/12 12:16	1
<i>p-Terphenyl</i>	92		38 - 148				08/31/12 15:41	09/01/12 12:16	1

Lab Sample ID: LCS 720-120149/3-A
Matrix: Solid
Analysis Batch: 120178

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 120149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	83.1	55.9		mg/Kg		67	36 - 112
Surrogate		LCS %Recovery	LCS Qualifier				Limits
<i>p-Terphenyl</i>		68					38 - 148

Lab Sample ID: LCSD 720-120149/3-A
Matrix: Solid
Analysis Batch: 120178

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 120149

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	83.1	56.5		mg/Kg		68	36 - 112	1	35
Surrogate		LCSD %Recovery	LCSD Qualifier				Limits		
<i>p-Terphenyl</i>		68					38 - 148		

QC Sample Results

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

TestAmerica Job ID: 720-44049-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-119452/1-A
 Matrix: Solid
 Analysis Batch: 119569

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 119452

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50		mg/Kg		08/20/12 20:07	08/22/12 11:00	1

Lab Sample ID: LCS 720-119452/2-A
 Matrix: Solid
 Analysis Batch: 119569

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 119452

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	48.4		mg/Kg		97	80 - 120

Lab Sample ID: LCSD 720-119452/3-A
 Matrix: Solid
 Analysis Batch: 119569

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 119452

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	50.0	49.3		mg/Kg		99	80 - 120	2	20

Lab Sample ID: LCSSRM 720-119452/25-A
 Matrix: Solid
 Analysis Batch: 119569

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 119452

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	280	266		mg/Kg		95	62 - 113

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 440-48024/1-A
 Matrix: Solid
 Analysis Batch: 48027

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 48024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	ND		200	24	mg/Kg		08/27/12 10:07	08/27/12 10:12	1
SGT-HEM	ND		170	20	mg/Kg		08/27/12 10:07	08/27/12 10:12	1

Lab Sample ID: LCS 440-48024/2-A
 Matrix: Solid
 Analysis Batch: 48027

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 48024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	333	313		mg/Kg		94	78 - 114
SGT-HEM	167	ND		mg/Kg		86	70 - 110

Lab Sample ID: LCSD 440-48024/3-A
 Matrix: Solid
 Analysis Batch: 48027

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 48024

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM	333	336		mg/Kg		101	78 - 114	7	11
SGT-HEM	167	ND		mg/Kg		96	70 - 110	11	15

QC Association Summary

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

TestAmerica Job ID: 720-44049-1

GC/MS VOA

Analysis Batch: 119539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-1	EX-14	Total/NA	Solid	8260B/CA_LUFT MS	119574
720-44049-2	EX-15	Total/NA	Solid	8260B/CA_LUFT MS	119574
720-44049-3	EX-16	Total/NA	Solid	8260B/CA_LUFT MS	119574
720-44049-4	EX-17	Total/NA	Solid	8260B/CA_LUFT MS	119574
720-44049-5	EX-18	Total/NA	Solid	8260B/CA_LUFT MS	119574
720-44049-6	EX-19	Total/NA	Solid	8260B/CA_LUFT MS	119574
LCS 720-119574/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119574
LCS 720-119574/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119574
LCSD 720-119574/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119574
LCSD 720-119574/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119574
MB 720-119574/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	119574

Prep Batch: 119574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-1	EX-14	Total/NA	Solid	5030B	
720-44049-2	EX-15	Total/NA	Solid	5030B	
720-44049-3	EX-16	Total/NA	Solid	5030B	
720-44049-4	EX-17	Total/NA	Solid	5030B	
720-44049-5	EX-18	Total/NA	Solid	5030B	
720-44049-6	EX-19	Total/NA	Solid	5030B	
LCS 720-119574/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-119574/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-119574/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-119574/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-119574/1-A	Method Blank	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 119817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-1	EX-14	Total/NA	Solid	3546	
720-44049-2	EX-15	Total/NA	Solid	3546	
720-44049-3	EX-16	Total/NA	Solid	3546	
720-44049-4	EX-17	Total/NA	Solid	3546	
720-44049-5	EX-18	Total/NA	Solid	3546	
720-44049-6	EX-19	Total/NA	Solid	3546	
LCS 720-119817/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-119817/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-119817/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 119898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-1	EX-14	Total/NA	Solid	8270C	119817
720-44049-2	EX-15	Total/NA	Solid	8270C	119817

QC Association Summary

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

TestAmerica Job ID: 720-44049-1

GC/MS Semi VOA (Continued)

Analysis Batch: 119898 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-3	EX-16	Total/NA	Solid	8270C	119817
720-44049-4	EX-17	Total/NA	Solid	8270C	119817
720-44049-5	EX-18	Total/NA	Solid	8270C	119817
720-44049-6	EX-19	Total/NA	Solid	8270C	119817
LCS 720-119817/2-A	Lab Control Sample	Total/NA	Solid	8270C	119817
LCSD 720-119817/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	119817
MB 720-119817/1-A	Method Blank	Total/NA	Solid	8270C	119817

GC Semi VOA

Prep Batch: 119541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-3	EX-16	Total/NA	Solid	3546	
720-44049-4	EX-17	Total/NA	Solid	3546	
720-44049-5	EX-18	Total/NA	Solid	3546	
LCS 720-119541/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-119541/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-119541/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 119546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-2	EX-15	Silica Gel Cleanup	Solid	3546	
720-44049-2 MS	EX-15	Silica Gel Cleanup	Solid	3546	
720-44049-2 MSD	EX-15	Silica Gel Cleanup	Solid	3546	
720-44049-6	EX-19	Silica Gel Cleanup	Solid	3546	
LCS 720-119546/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-119546/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-119546/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 119625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-6	EX-19	Silica Gel Cleanup	Solid	8015B	119546
LCS 720-119546/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	119546
LCSD 720-119546/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	119546
MB 720-119546/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	119546

Analysis Batch: 119626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-6	EX-19	Total/NA	Solid	8015B	119627
LCS 720-119627/2-A	Lab Control Sample	Total/NA	Solid	8015B	119627
LCSD 720-119627/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	119627
MB 720-119627/1-A	Method Blank	Total/NA	Solid	8015B	119627

Prep Batch: 119627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-6	EX-19	Total/NA	Solid	3546	
LCS 720-119627/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-119627/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-119627/1-A	Method Blank	Total/NA	Solid	3546	

QC Association Summary

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

TestAmerica Job ID: 720-44049-1

GC Semi VOA (Continued)

Analysis Batch: 119688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-5	EX-18	Total/NA	Solid	8015B	119541

Analysis Batch: 119689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-2	EX-15	Silica Gel Cleanup	Solid	8015B	119546
720-44049-2 MS	EX-15	Silica Gel Cleanup	Solid	8015B	119546
720-44049-2 MSD	EX-15	Silica Gel Cleanup	Solid	8015B	119546
LCS 720-119541/2-A	Lab Control Sample	Total/NA	Solid	8015B	119541
LCSD 720-119541/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	119541
MB 720-119541/1-A	Method Blank	Total/NA	Solid	8015B	119541

Analysis Batch: 119762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-3	EX-16	Total/NA	Solid	8015B	119541
720-44049-4	EX-17	Total/NA	Solid	8015B	119541

Prep Batch: 119769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-1	EX-14	Total/NA	Solid	3546	
720-44049-1 MS	EX-14	Total/NA	Solid	3546	
720-44049-1 MSD	EX-14	Total/NA	Solid	3546	
720-44049-2	EX-15	Total/NA	Solid	3546	
LCS 720-119769/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-119769/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-119769/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 119781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-1	EX-14	Total/NA	Solid	8015B	119769
720-44049-1 MS	EX-14	Total/NA	Solid	8015B	119769
720-44049-1 MSD	EX-14	Total/NA	Solid	8015B	119769
720-44049-2	EX-15	Total/NA	Solid	8015B	119769
LCS 720-119769/2-A	Lab Control Sample	Total/NA	Solid	8015B	119769
LCSD 720-119769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	119769
MB 720-119769/1-A	Method Blank	Total/NA	Solid	8015B	119769

Prep Batch: 120148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-1	EX-14	Silica Gel Cleanup	Solid	3546	
LCS 720-120148/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-120148/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-120148/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Prep Batch: 120149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-3	EX-16	Silica Gel Cleanup	Solid	3546	
720-44049-4	EX-17	Silica Gel Cleanup	Solid	3546	
720-44049-5	EX-18	Silica Gel Cleanup	Solid	3546	
LCS 720-120149/3-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-120149/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-120149/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

QC Association Summary

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

TestAmerica Job ID: 720-44049-1

GC Semi VOA (Continued)

Analysis Batch: 120178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-3	EX-16	Silica Gel Cleanup	Solid	8015B	120149
720-44049-4	EX-17	Silica Gel Cleanup	Solid	8015B	120149
720-44049-5	EX-18	Silica Gel Cleanup	Solid	8015B	120149
LCS 720-120148/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	120148
LCS 720-120149/3-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	120149
LCSD 720-120148/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	120148
LCSD 720-120149/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	120149
MB 720-120148/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	120148
MB 720-120149/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	120149

Analysis Batch: 120222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-1	EX-14	Silica Gel Cleanup	Solid	8015B	120148

Metals

Prep Batch: 119452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-1	EX-14	Total/NA	Solid	3050B	
720-44049-2	EX-15	Total/NA	Solid	3050B	
720-44049-3	EX-16	Total/NA	Solid	3050B	
720-44049-4	EX-17	Total/NA	Solid	3050B	
720-44049-5	EX-18	Total/NA	Solid	3050B	
720-44049-6	EX-19	Total/NA	Solid	3050B	
LCS 720-119452/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-119452/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-119452/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-119452/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 119569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-1	EX-14	Total/NA	Solid	6010B	119452
720-44049-2	EX-15	Total/NA	Solid	6010B	119452
720-44049-3	EX-16	Total/NA	Solid	6010B	119452
720-44049-4	EX-17	Total/NA	Solid	6010B	119452
720-44049-5	EX-18	Total/NA	Solid	6010B	119452
720-44049-6	EX-19	Total/NA	Solid	6010B	119452
LCS 720-119452/2-A	Lab Control Sample	Total/NA	Solid	6010B	119452
LCSD 720-119452/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	119452
LCSSRM 720-119452/25-A	Lab Control Sample	Total/NA	Solid	6010B	119452
MB 720-119452/1-A	Method Blank	Total/NA	Solid	6010B	119452

General Chemistry

Prep Batch: 48024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-1	EX-14	Total/NA	Solid	9071B	
720-44049-2	EX-15	Total/NA	Solid	9071B	
720-44049-3	EX-16	Total/NA	Solid	9071B	
720-44049-4	EX-17	Total/NA	Solid	9071B	
720-44049-5	EX-18	Total/NA	Solid	9071B	
720-44049-6	EX-19	Total/NA	Solid	9071B	

QC Association Summary

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

TestAmerica Job ID: 720-44049-1

General Chemistry (Continued)

Prep Batch: 48024 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-48024/2-A	Lab Control Sample	Total/NA	Solid	9071B	
LCSD 440-48024/3-A	Lab Control Sample Dup	Total/NA	Solid	9071B	
MB 440-48024/1-A	Method Blank	Total/NA	Solid	9071B	

Analysis Batch: 48027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44049-1	EX-14	Total/NA	Solid	9071B	48024
720-44049-2	EX-15	Total/NA	Solid	9071B	48024
720-44049-3	EX-16	Total/NA	Solid	9071B	48024
720-44049-4	EX-17	Total/NA	Solid	9071B	48024
720-44049-5	EX-18	Total/NA	Solid	9071B	48024
720-44049-6	EX-19	Total/NA	Solid	9071B	48024
LCS 440-48024/2-A	Lab Control Sample	Total/NA	Solid	9071B	48024
LCSD 440-48024/3-A	Lab Control Sample Dup	Total/NA	Solid	9071B	48024
MB 440-48024/1-A	Method Blank	Total/NA	Solid	9071B	48024

Lab Chronicle

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

TestAmerica Job ID: 720-44049-1

Client Sample ID: EX-14

Date Collected: 08/17/12 23:05

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119574	08/22/12 07:30	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119539	08/22/12 15:23	AC	TAL SF
Total/NA	Prep	3546			119817	08/27/12 20:26	NP	TAL SF
Total/NA	Analysis	8270C		1	119898	08/28/12 18:05	ML	TAL SF
Total/NA	Prep	3546			119769	08/25/12 14:13	ND	TAL SF
Total/NA	Analysis	8015B		3	119781	08/27/12 19:06	DH	TAL SF
Silica Gel Cleanup	Prep	3546			120148	08/31/12 15:36	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	120222	09/04/12 14:44	DH	TAL SF
Total/NA	Prep	3050B			119452	08/20/12 20:07	CDT	TAL SF
Total/NA	Analysis	6010B		4	119569	08/22/12 12:33	EFH	TAL SF
Total/NA	Prep	9071B			48024	08/27/12 10:07	DA	TAL IRV
Total/NA	Analysis	9071B		1	48027	08/27/12 10:12	DA	TAL IRV

Client Sample ID: EX-15

Date Collected: 08/17/12 23:10

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119574	08/22/12 07:30	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119539	08/22/12 15:52	AC	TAL SF
Total/NA	Prep	3546			119817	08/27/12 20:26	NP	TAL SF
Total/NA	Analysis	8270C		5	119898	08/28/12 23:55	ML	TAL SF
Silica Gel Cleanup	Prep	3546			119546	08/22/12 08:20	MP	TAL SF
Silica Gel Cleanup	Analysis	8015B		10	119689	08/24/12 16:40	JZ	TAL SF
Total/NA	Prep	3546			119769	08/25/12 14:13	ND	TAL SF
Total/NA	Analysis	8015B		10	119781	08/27/12 19:31	DH	TAL SF
Total/NA	Prep	3050B			119452	08/20/12 20:07	CDT	TAL SF
Total/NA	Analysis	6010B		4	119569	08/22/12 12:46	EFH	TAL SF
Total/NA	Prep	9071B			48024	08/27/12 10:07	DA	TAL IRV
Total/NA	Analysis	9071B		1	48027	08/27/12 10:12	DA	TAL IRV

Client Sample ID: EX-16

Date Collected: 08/17/12 23:12

Date Received: 08/20/12 10:50

Lab Sample ID: 720-44049-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119574	08/22/12 07:30	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119539	08/22/12 16:21	AC	TAL SF
Total/NA	Prep	3546			119817	08/27/12 20:26	NP	TAL SF
Total/NA	Analysis	8270C		1	119898	08/28/12 18:33	ML	TAL SF
Total/NA	Prep	3546			119541	08/22/12 07:38	NP	TAL SF
Total/NA	Analysis	8015B		1	119762	08/25/12 15:59	JZ	TAL SF
Silica Gel Cleanup	Prep	3546			120149	08/31/12 15:41	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	120178	09/01/12 12:41	JZ	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-44049-1

Client Sample ID: EX-16

Lab Sample ID: 720-44049-3

Date Collected: 08/17/12 23:12

Matrix: Solid

Date Received: 08/20/12 10:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			119452	08/20/12 20:07	CDT	TAL SF
Total/NA	Analysis	6010B		4	119569	08/22/12 12:50	EFH	TAL SF
Total/NA	Prep	9071B			48024	08/27/12 10:07	DA	TAL IRV
Total/NA	Analysis	9071B		1	48027	08/27/12 10:12	DA	TAL IRV

Client Sample ID: EX-17

Lab Sample ID: 720-44049-4

Date Collected: 08/18/12 00:10

Matrix: Solid

Date Received: 08/20/12 10:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119574	08/22/12 07:30	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119539	08/22/12 16:50	AC	TAL SF
Total/NA	Prep	3546			119817	08/27/12 20:26	NP	TAL SF
Total/NA	Analysis	8270C		1	119898	08/28/12 19:03	ML	TAL SF
Total/NA	Prep	3546			119541	08/22/12 07:38	NP	TAL SF
Total/NA	Analysis	8015B		1	119762	08/25/12 16:24	JZ	TAL SF
Silica Gel Cleanup	Prep	3546			120149	08/31/12 15:41	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	120178	09/01/12 13:05	JZ	TAL SF
Total/NA	Prep	3050B			119452	08/20/12 20:07	CDT	TAL SF
Total/NA	Analysis	6010B		4	119569	08/22/12 12:55	EFH	TAL SF
Total/NA	Prep	9071B			48024	08/27/12 10:07	DA	TAL IRV
Total/NA	Analysis	9071B		1	48027	08/27/12 10:12	DA	TAL IRV

Client Sample ID: EX-18

Lab Sample ID: 720-44049-5

Date Collected: 08/18/12 00:25

Matrix: Solid

Date Received: 08/20/12 10:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119574	08/22/12 07:30	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119539	08/22/12 17:20	AC	TAL SF
Total/NA	Prep	3546			119817	08/27/12 20:26	NP	TAL SF
Total/NA	Analysis	8270C		5	119898	08/29/12 00:19	ML	TAL SF
Total/NA	Prep	3546			119541	08/22/12 07:38	NP	TAL SF
Total/NA	Analysis	8015B		10	119688	08/25/12 04:52	JZ	TAL SF
Silica Gel Cleanup	Prep	3546			120149	08/31/12 15:41	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		10	120178	09/01/12 13:29	JZ	TAL SF
Total/NA	Prep	3050B			119452	08/20/12 20:07	CDT	TAL SF
Total/NA	Analysis	6010B		4	119569	08/22/12 12:59	EFH	TAL SF
Total/NA	Prep	9071B			48024	08/27/12 10:07	DA	TAL IRV
Total/NA	Analysis	9071B		1	48027	08/27/12 10:12	DA	TAL IRV

Lab Chronicle

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

TestAmerica Job ID: 720-44049-1

Client Sample ID: EX-19

Lab Sample ID: 720-44049-6

Date Collected: 08/18/12 00:30

Matrix: Solid

Date Received: 08/20/12 10:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119574	08/22/12 07:30	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119539	08/22/12 17:49	AC	TAL SF
Total/NA	Prep	3546			119817	08/27/12 20:26	NP	TAL SF
Total/NA	Analysis	8270C		1	119898	08/28/12 19:31	ML	TAL SF
Silica Gel Cleanup	Prep	3546			119546	08/22/12 08:20	MP	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	119625	08/24/12 04:51	JZ	TAL SF
Total/NA	Prep	3546			119627	08/23/12 08:03	NP	TAL SF
Total/NA	Analysis	8015B		1	119626	08/23/12 17:28	JZ	TAL SF
Total/NA	Prep	3050B			119452	08/20/12 20:07	CDT	TAL SF
Total/NA	Analysis	6010B		4	119569	08/22/12 13:03	EFH	TAL SF
Total/NA	Prep	9071B			48024	08/27/12 10:07	DA	TAL IRV
Total/NA	Analysis	9071B		1	48027	08/27/12 10:12	DA	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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



Certification Summary

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

TestAmerica Job ID: 720-44049-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arizona	State Program	9	AZ0671	10-13-12
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	07-31-12
New Mexico	State Program	6	N/A	01-31-12
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-12
USDA	Federal		P330-09-00080	06-06-14

Method Summary

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

TestAmerica Job ID: 720-44049-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL SF
8270C	Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF
6010B	Metals (ICP)	SW846	TAL SF
9071B	HEM and SGT-HEM	SW846	TAL IRV

Protocol References:

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

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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



Sample Summary

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

TestAmerica Job ID: 720-44049-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44049-1	EX-14	Solid	08/17/12 23:05	08/20/12 10:50
720-44049-2	EX-15	Solid	08/17/12 23:10	08/20/12 10:50
720-44049-3	EX-16	Solid	08/17/12 23:12	08/20/12 10:50
720-44049-4	EX-17	Solid	08/18/12 00:10	08/20/12 10:50
720-44049-5	EX-18	Solid	08/18/12 00:25	08/20/12 10:50
720-44049-6	EX-19	Solid	08/18/12 00:30	08/20/12 10:50

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CHAIN OF CUSTODY RECORD

JDE NO. 3862

720.44049

140265

9/5/2012



TestAmerica
1220 Quarry Lane
Pleasanton, CA 94566

Phone: 925.484.1919

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: 15575 Los Gatos Boulevard, Building C

City/State/Zip: Los Gatos, CA 95032

Project Manager: Gary Messerotes email: gary.messerotes@stantec.com

Telephone Number: 408-356-6124 ext 252 Fax No.: 408-356-6138

Sampler Name: (Print) Tristan Rhodes

Sampler Signature: *[Signature]*

PO & Quote Number: Goodyear PO No. C4121 Quote No. Posted on TestAmerica Oasis 12-17-08

Report To: Alicia Falk

Invoice To: Karen Burlingame Goodyear Dept. 110F 1144 E. Market St. Akron, OH 44136-0001

Invoice email: karen.burlingame@goodyear.com

Territory ID: Former Goodyear DEX# 9578, 3430 Castro Valley Boulevard, Castro Valley, CA

Project No & ID: 185702561

Sample ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filled	Preservative							Matrix		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)	8015B - TPH-GRO	9071B - TRPH	8260B - BTEX, MTBE, EDC, and EDB	8270C - SVOCs	8010B - Lead	8015 - TPH-DRO (C10 to C28) with Silica Gel Cleanup	RUSH TAT (Pre-Schedule)	RUSH Due Date	Standard TAT 7-10 Business Day	Fax Results	TestAmerica QC Level 2		Electronic Deliverables			
EX-14	8/17/12	2305	1	X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	EDF Required
EX-15	8/17/12	2310	1	X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
EX-16	8/17/12	2312	1	X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
EX-17	8/18/12	2410	1	X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
EX-18	8/18/12	2425	1	X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
EX-19	8/18/12	2430	1	X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Special Instructions: **A copy of the chain of custody must accompany each invoice to Goodyear for payment !!!**
Detection limits (in ug/l) for TPH-DRO/ORO must not exceed 100 ug/l.

EDF REQUIRED GLOBAL ID = T0600101801 SEND ANALYTICAL REPORTS TO alicia.falk@stantec.com

Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	08/20/12	08:30	<i>[Signature]</i>	08/20/12	08:30
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
<i>[Signature]</i>	08/20/12	1050	<i>[Signature]</i>	8-20-12	1050

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
** Level 4 Deliverables is a Full CLP like data package there is a surcharge on all Level 4 data packages.

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-44049-1

Login Number: 44049

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Apostol, Anita

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



Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-44049-1

Login Number: 44049

List Number: 1

Creator: Avila, Stephanie

List Source: TestAmerica Irvine

List Creation: 08/21/12 03:56 PM

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 720-44050-1

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

For:
Stantec Consulting Corp.
15575 Los Gatos Blvd
Bldg. C
Los Gatos, California 95032

Attn: Ms. Alicia Falk



Authorized for release by:
9/10/2012 2:49:24 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

TestAmerica Job ID: 720-44050-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.

Glossary

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

Case Narrative

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

TestAmerica Job ID: 720-44050-1

Job ID: 720-44050-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-44050-1

Comments

No additional comments.

Receipt

The sample was received on 8/20/2012 1:55 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for batch #119817 exceeded control limits for the following analyte(s): Benzoic acid. Benzoic acid has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. <<Add if qualifies>> Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified.

Method(s) 8270C: The following sample(s) was diluted due to the abundance of non-target analytes: EX-20 (720-44050-1). Elevated reporting limits (RLs) are provided.

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: EX-20 (720-44050-1).

Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 119655 was outside control limits. Non-homogeneity of the sample matrix is suspected. <<INCLUDE IF APPLICABLE>> The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: EX-20 (720-44050-1).

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) precision for prep batch 119483 was outside control limits. Non-homogeneity of the sample matrix is suspected. <<INCLUDE IF APPLICABLE>> The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

Method(s) 6010B: The method blank for preparation batch 119483 contained Pb above the reporting limit (RL). The associated sample(s) contained detects for this analyte at concentrations greater than 10X the value found in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

Case Narrative

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

TestAmerica Job ID: 720-44050-1

Job ID: 720-44050-1 (Continued)

Laboratory: TestAmerica Pleasanton (Continued)

No analytical or quality issues were noted.

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Detection Summary

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

TestAmerica Job ID: 720-44050-1

Client Sample ID: EX-20

Lab Sample ID: 720-44050-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	13		4.7		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	69		4.7		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Toluene	13		4.7		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	48		9.3		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	11000		1200		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	4100		100		mg/Kg	100		8015B	Total/NA
Diesel Range Organics [C10-C28]	2600		50		mg/Kg	50		8015B	Silica Gel Cleanup
Lead	7.5	B	2.0		mg/Kg	4		6010B	Total/NA
HEM	3500		200	24	mg/Kg	1		9071B	Total/NA
SGT-HEM	2600		170	20	mg/Kg	1		9071B	Total/NA



Client Sample Results

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

TestAmerica Job ID: 720-44050-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		08/22/12 07:30	08/22/12 18:18	1
Benzene	13		4.7		ug/Kg		08/22/12 07:30	08/22/12 18:18	1
EDB	ND		4.7		ug/Kg		08/22/12 07:30	08/22/12 18:18	1
1,2-DCA	ND		4.7		ug/Kg		08/22/12 07:30	08/22/12 18:18	1
Ethylbenzene	69		4.7		ug/Kg		08/22/12 07:30	08/22/12 18:18	1
Toluene	13		4.7		ug/Kg		08/22/12 07:30	08/22/12 18:18	1
Xylenes, Total	48		9.3		ug/Kg		08/22/12 07:30	08/22/12 18:18	1
Gasoline Range Organics (GRO) -C5-C12	11000		1200		ug/Kg		08/22/12 16:00	08/23/12 00:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	33	X	45 - 131				08/22/12 07:30	08/22/12 18:18	1
4-Bromofluorobenzene	98		45 - 131				08/22/12 16:00	08/23/12 00:47	1
1,2-Dichloroethane-d4 (Surr)	104		60 - 140				08/22/12 07:30	08/22/12 18:18	1
1,2-Dichloroethane-d4 (Surr)	103		60 - 140				08/22/12 16:00	08/23/12 00:47	1
Toluene-d8 (Surr)	95		58 - 140				08/22/12 07:30	08/22/12 18:18	1
Toluene-d8 (Surr)	96		58 - 140				08/22/12 16:00	08/23/12 00:47	1

Client Sample Results

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

TestAmerica Job ID: 720-44050-1

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

Client Sample ID: EX-20

Date Collected: 08/20/12 02:30

Date Received: 08/20/12 13:55

Lab Sample ID: 720-44050-1

Matrix: Solid

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

Client Sample Results

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

TestAmerica Job ID: 720-44050-1

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

(Continued)

Client Sample ID: EX-20

Date Collected: 08/20/12 02:30

Date Received: 08/20/12 13:55

Lab Sample ID: 720-44050-1

Matrix: Solid

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

Client Sample Results

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

TestAmerica Job ID: 720-44050-1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	4100		100		mg/Kg		08/23/12 08:03	08/24/12 18:19	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	0	DX	40 - 130				08/23/12 08:03	08/24/12 18:19	100

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

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

TestAmerica Job ID: 720-44050-1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2600		50		mg/Kg		08/23/12 14:22	08/27/12 15:25	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1				08/23/12 14:22	08/27/12 15:25	50
p-Terphenyl	0	DX	38 - 148				08/23/12 14:22	08/27/12 15:25	50



Client Sample Results

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

TestAmerica Job ID: 720-44050-1

Method: 6010B - Metals (ICP)

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.5	B	2.0		mg/Kg		08/21/12 10:41	08/22/12 13:57	4

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

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

TestAmerica Job ID: 720-44050-1

General Chemistry

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	3500		200	24	mg/Kg		08/27/12 14:37	08/27/12 14:40	1
SGT-HEM	2600		170	20	mg/Kg		08/27/12 14:37	08/27/12 14:40	1

QC Sample Results

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

TestAmerica Job ID: 720-44050-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-119574/1-A

Matrix: Solid

Analysis Batch: 119539

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 09:17	1
Benzene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 09:17	1
EDB	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 09:17	1
1,2-DCA	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 09:17	1
Ethylbenzene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 09:17	1
Toluene	ND		5.0		ug/Kg		08/22/12 07:30	08/22/12 09:17	1
Xylenes, Total	ND		10		ug/Kg		08/22/12 07:30	08/22/12 09:17	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/22/12 07:30	08/22/12 09:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		45 - 131	08/22/12 07:30	08/22/12 09:17	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140	08/22/12 07:30	08/22/12 09:17	1
Toluene-d8 (Surr)	104		58 - 140	08/22/12 07:30	08/22/12 09:17	1

Lab Sample ID: LCS 720-119574/2-A

Matrix: Solid

Analysis Batch: 119539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	56.5		ug/Kg		113	70 - 144
Benzene	50.0	54.6		ug/Kg		109	70 - 130
EDB	50.0	61.3		ug/Kg		123	70 - 140
1,2-DCA	50.0	53.2		ug/Kg		106	70 - 130
Ethylbenzene	50.0	55.0		ug/Kg		110	80 - 137
Toluene	50.0	52.5		ug/Kg		105	80 - 128
m-Xylene & p-Xylene	100	119		ug/Kg		119	70 - 146
o-Xylene	50.0	56.0		ug/Kg		112	70 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	109		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	110		58 - 140

Lab Sample ID: LCS 720-119574/4-A

Matrix: Solid

Analysis Batch: 119539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	953		ug/Kg		95	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	106		45 - 131
1,2-Dichloroethane-d4 (Surr)	97		60 - 140
Toluene-d8 (Surr)	110		58 - 140

QC Sample Results

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

TestAmerica Job ID: 720-44050-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119574/3-A

Matrix: Solid

Analysis Batch: 119539

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119574

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	52.9		ug/Kg		106	70 - 144	7	20
Benzene	50.0	53.0		ug/Kg		106	70 - 130	3	20
EDB	50.0	57.3		ug/Kg		115	70 - 140	7	20
1,2-DCA	50.0	49.8		ug/Kg		100	70 - 130	7	20
Ethylbenzene	50.0	54.9		ug/Kg		110	80 - 137	0	20
Toluene	50.0	53.2		ug/Kg		106	80 - 128	1	20
m-Xylene & p-Xylene	100	119		ug/Kg		119	70 - 146	0	20
o-Xylene	50.0	55.6		ug/Kg		111	70 - 140	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	110		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	108		58 - 140

Lab Sample ID: LCSD 720-119574/5-A

Matrix: Solid

Analysis Batch: 119539

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119574

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	931		ug/Kg		93	61 - 128	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	108		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	112		58 - 140

Lab Sample ID: MB 720-119603/1-A

Matrix: Solid

Analysis Batch: 119578

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119603

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/22/12 16:00	08/22/12 16:37	1
Benzene	ND		5.0		ug/Kg		08/22/12 16:00	08/22/12 16:37	1
EDB	ND		5.0		ug/Kg		08/22/12 16:00	08/22/12 16:37	1
1,2-DCA	ND		5.0		ug/Kg		08/22/12 16:00	08/22/12 16:37	1
Ethylbenzene	ND		5.0		ug/Kg		08/22/12 16:00	08/22/12 16:37	1
Toluene	ND		5.0		ug/Kg		08/22/12 16:00	08/22/12 16:37	1
Xylenes, Total	ND		10		ug/Kg		08/22/12 16:00	08/22/12 16:37	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/22/12 16:00	08/22/12 16:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		45 - 131	08/22/12 16:00	08/22/12 16:37	1
1,2-Dichloroethane-d4 (Surr)	104		60 - 140	08/22/12 16:00	08/22/12 16:37	1
Toluene-d8 (Surr)	103		58 - 140	08/22/12 16:00	08/22/12 16:37	1

QC Sample Results

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

TestAmerica Job ID: 720-44050-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119603/2-A

Matrix: Solid

Analysis Batch: 119578

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	52.5		ug/Kg		105	70 - 144
Benzene	50.0	50.9		ug/Kg		102	70 - 130
EDB	50.0	55.8		ug/Kg		112	70 - 140
1,2-DCA	50.0	53.5		ug/Kg		107	70 - 130
Ethylbenzene	50.0	49.4		ug/Kg		99	80 - 137
Toluene	50.0	49.1		ug/Kg		98	80 - 128
m-Xylene & p-Xylene	100	108		ug/Kg		108	70 - 146
o-Xylene	50.0	51.1		ug/Kg		102	70 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	98		45 - 131
1,2-Dichloroethane-d4 (Surr)	99		60 - 140
Toluene-d8 (Surr)	102		58 - 140

Lab Sample ID: LCS 720-119603/4-A

Matrix: Solid

Analysis Batch: 119578

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	1040		ug/Kg		104	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	100		45 - 131
1,2-Dichloroethane-d4 (Surr)	105		60 - 140
Toluene-d8 (Surr)	103		58 - 140

Lab Sample ID: LCSD 720-119603/3-A

Matrix: Solid

Analysis Batch: 119578

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119603

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	53.8		ug/Kg		108	70 - 144	2	20
Benzene	50.0	51.1		ug/Kg		102	70 - 130	0	20
EDB	50.0	56.7		ug/Kg		113	70 - 140	2	20
1,2-DCA	50.0	53.8		ug/Kg		108	70 - 130	1	20
Ethylbenzene	50.0	48.5		ug/Kg		97	80 - 137	2	20
Toluene	50.0	48.5		ug/Kg		97	80 - 128	1	20
m-Xylene & p-Xylene	100	106		ug/Kg		106	70 - 146	2	20
o-Xylene	50.0	50.4		ug/Kg		101	70 - 140	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	96		45 - 131
1,2-Dichloroethane-d4 (Surr)	103		60 - 140
Toluene-d8 (Surr)	102		58 - 140

QC Sample Results

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

TestAmerica Job ID: 720-44050-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119603/5-A

Matrix: Solid

Analysis Batch: 119578

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119603

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	1050		ug/Kg		105	61 - 128	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	104		60 - 140
Toluene-d8 (Surr)	103		58 - 140

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

Lab Sample ID: MB 720-119817/1-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Chlorophenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzyl alcohol	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Methylphenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Hexachloroethane	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Nitrobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Isophorone	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Nitrophenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Naphthalene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Chloroaniline	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Hexachlorobutadiene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Methylnaphthalene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Chloronaphthalene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Nitroaniline	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Dimethyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Acenaphthylene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
3-Nitroaniline	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Acenaphthene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Nitrophenol	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1

QC Sample Results

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

TestAmerica Job ID: 720-44050-1

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

(Continued)

Lab Sample ID: MB 720-119817/1-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119817

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dibenzofuran	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Diethyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Fluorene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Nitroaniline	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Hexachlorobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Pentachlorophenol	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Phenanthrene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Anthracene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Fluoranthene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Pyrene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[a]anthracene	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Chrysene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[a]pyrene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Benzoic acid	ND		0.33		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Azobenzene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		08/27/12 12:33	08/28/12 15:20	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5	76		21 - 98	08/27/12 12:33	08/28/12 15:20	1
2-Fluorobiphenyl	78		30 - 112	08/27/12 12:33	08/28/12 15:20	1
Terphenyl-d14	83		32 - 117	08/27/12 12:33	08/28/12 15:20	1
2-Fluorophenol	74		28 - 98	08/27/12 12:33	08/28/12 15:20	1
Phenol-d5	76		23 - 101	08/27/12 12:33	08/28/12 15:20	1
2,4,6-Tribromophenol	73		37 - 114	08/27/12 12:33	08/28/12 15:20	1

Lab Sample ID: LCS 720-119817/2-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119817

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Phenol	1.66	1.11		mg/Kg		67	48 - 115
Bis(2-chloroethyl)ether	1.66	1.07		mg/Kg		65	45 - 115
2-Chlorophenol	1.66	1.13		mg/Kg		68	48 - 115

QC Sample Results

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

TestAmerica Job ID: 720-44050-1

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

(Continued)

Lab Sample ID: LCS 720-119817/2-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	1.66	1.05		mg/Kg		63	41 - 115
1,4-Dichlorobenzene	1.66	1.08		mg/Kg		65	40 - 115
Benzyl alcohol	1.66	1.21		mg/Kg		73	54 - 115
1,2-Dichlorobenzene	1.66	1.11		mg/Kg		67	44 - 115
2-Methylphenol	1.66	1.14		mg/Kg		69	54 - 115
Methylphenol, 3 & 4	3.31	1.94		mg/Kg		59	42 - 115
N-Nitrosodi-n-propylamine	1.66	1.18		mg/Kg		71	46 - 115
Hexachloroethane	1.66	1.07		mg/Kg		65	44 - 115
Nitrobenzene	1.66	1.21		mg/Kg		73	48 - 115
Isophorone	1.66	1.24		mg/Kg		75	54 - 115
2-Nitrophenol	1.66	1.17		mg/Kg		70	48 - 115
2,4-Dimethylphenol	1.66	1.16		mg/Kg		70	52 - 115
Bis(2-chloroethoxy)methane	1.66	1.19		mg/Kg		72	46 - 115
2,4-Dichlorophenol	1.66	1.21		mg/Kg		73	49 - 100
1,2,4-Trichlorobenzene	1.66	1.14		mg/Kg		69	47 - 115
Naphthalene	1.66	1.16		mg/Kg		70	44 - 115
4-Chloroaniline	1.66	1.12		mg/Kg		67	30 - 115
Hexachlorobutadiene	1.66	1.16		mg/Kg		70	44 - 115
4-Chloro-3-methylphenol	1.66	1.31		mg/Kg		79	58 - 115
2-Methylnaphthalene	1.66	1.16		mg/Kg		70	49 - 115
Hexachlorocyclopentadiene	1.66	1.32		mg/Kg		80	42 - 132
2,4,6-Trichlorophenol	1.66	1.28		mg/Kg		77	45 - 115
2,4,5-Trichlorophenol	1.66	1.24		mg/Kg		75	48 - 115
2-Chloronaphthalene	1.66	1.21		mg/Kg		73	52 - 115
2-Nitroaniline	1.66	1.36		mg/Kg		82	54 - 115
Dimethyl phthalate	1.66	1.34		mg/Kg		81	64 - 119
Acenaphthylene	1.66	1.34		mg/Kg		81	61 - 129
3-Nitroaniline	1.66	1.37		mg/Kg		83	50 - 115
Acenaphthene	1.66	1.24		mg/Kg		75	50 - 115
2,4-Dinitrophenol	1.66	ND		mg/Kg		30	15 - 115
4-Nitrophenol	1.66	1.53		mg/Kg		92	54 - 125
Dibenzofuran	1.66	1.25		mg/Kg		75	55 - 115
2,4-Dinitrotoluene	1.66	1.52		mg/Kg		92	57 - 115
2,6-Dinitrotoluene	1.66	1.45		mg/Kg		87	54 - 119
Diethyl phthalate	1.66	1.38		mg/Kg		83	49 - 117
4-Chlorophenyl phenyl ether	1.66	1.32		mg/Kg		80	57 - 115
Fluorene	1.66	1.27		mg/Kg		77	54 - 115
4-Nitroaniline	1.66	1.45		mg/Kg		88	59 - 115
2-Methyl-4,6-dinitrophenol	1.66	1.01		mg/Kg		61	39 - 115
N-Nitrosodiphenylamine	1.66	1.35		mg/Kg		82	56 - 115
4-Bromophenyl phenyl ether	1.66	1.32		mg/Kg		80	53 - 115
Hexachlorobenzene	1.66	1.40		mg/Kg		85	55 - 115
Pentachlorophenol	1.66	1.21		mg/Kg		73	35 - 115
Phenanthrene	1.66	1.33		mg/Kg		81	54 - 115
Anthracene	1.66	1.34		mg/Kg		81	55 - 115
Di-n-butyl phthalate	1.66	1.41		mg/Kg		85	55 - 115
Fluoranthene	1.66	1.42		mg/Kg		85	54 - 115
Pyrene	1.66	1.45		mg/Kg		87	48 - 115

QC Sample Results

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

TestAmerica Job ID: 720-44050-1

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

(Continued)

Lab Sample ID: LCS 720-119817/2-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Butyl benzyl phthalate	1.66	1.54		mg/Kg		93	53 - 115
3,3'-Dichlorobenzidine	1.66	1.34		mg/Kg		81	42 - 115
Benzo[a]anthracene	1.66	1.46		mg/Kg		88	55 - 115
Bis(2-ethylhexyl) phthalate	1.66	1.52		mg/Kg		92	53 - 115
Chrysene	1.66	1.46		mg/Kg		88	58 - 115
Di-n-octyl phthalate	1.66	1.55		mg/Kg		94	53 - 115
Benzo[b]fluoranthene	1.66	1.73		mg/Kg		105	56 - 115
Benzo[a]pyrene	1.66	1.38		mg/Kg		83	55 - 115
Benzo[k]fluoranthene	1.66	1.25		mg/Kg		75	57 - 115
Indeno[1,2,3-cd]pyrene	1.66	1.40		mg/Kg		84	56 - 115
Benzo[g,h,i]perylene	1.66	1.43		mg/Kg		86	56 - 115
Benzoic acid	1.66	0.429		mg/Kg		26	10 - 115
Azobenzene	1.66	1.32		mg/Kg		80	52 - 115
Dibenz(a,h)anthracene	1.66	1.39		mg/Kg		84	58 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	72		21 - 98
2-Fluorobiphenyl	73		30 - 112
Terphenyl-d14	89		32 - 117
2-Fluorophenol	73		28 - 98
Phenol-d5	72		23 - 101
2,4,6-Tribromophenol	85		37 - 114

Lab Sample ID: LCSD 720-119817/3-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119817

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	1.65	1.12		mg/Kg		68	48 - 115	1	35
Bis(2-chloroethyl)ether	1.65	1.16		mg/Kg		70	45 - 115	8	35
2-Chlorophenol	1.65	1.13		mg/Kg		68	48 - 115	0	35
1,3-Dichlorobenzene	1.65	1.06		mg/Kg		64	41 - 115	2	35
1,4-Dichlorobenzene	1.65	1.07		mg/Kg		65	40 - 115	1	35
Benzyl alcohol	1.65	1.21		mg/Kg		73	54 - 115	0	35
1,2-Dichlorobenzene	1.65	1.12		mg/Kg		68	44 - 115	1	35
2-Methylphenol	1.65	1.13		mg/Kg		69	54 - 115	1	35
Methylphenol, 3 & 4	3.30	1.97		mg/Kg		60	42 - 115	1	35
N-Nitrosodi-n-propylamine	1.65	1.19		mg/Kg		72	46 - 115	1	35
Hexachloroethane	1.65	1.07		mg/Kg		65	44 - 115	0	35
Nitrobenzene	1.65	1.21		mg/Kg		73	48 - 115	0	35
Isophorone	1.65	1.21		mg/Kg		73	54 - 115	2	35
2-Nitrophenol	1.65	1.16		mg/Kg		71	48 - 115	0	35
2,4-Dimethylphenol	1.65	1.11		mg/Kg		67	52 - 115	5	35
Bis(2-chloroethoxy)methane	1.65	1.18		mg/Kg		71	46 - 115	1	35
2,4-Dichlorophenol	1.65	1.20		mg/Kg		73	49 - 100	1	35
1,2,4-Trichlorobenzene	1.65	1.14		mg/Kg		69	47 - 115	0	35
Naphthalene	1.65	1.17		mg/Kg		71	44 - 115	0	35
4-Chloroaniline	1.65	1.11		mg/Kg		67	30 - 115	1	35

QC Sample Results

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

TestAmerica Job ID: 720-44050-1

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

(Continued)

Lab Sample ID: LCSD 720-119817/3-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119817

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	1.65	1.17		mg/Kg		71	44 - 115	1	35
4-Chloro-3-methylphenol	1.65	1.26		mg/Kg		77	58 - 115	3	35
2-Methylnaphthalene	1.65	1.15		mg/Kg		70	49 - 115	1	35
Hexachlorocyclopentadiene	1.65	1.30		mg/Kg		79	42 - 132	2	35
2,4,6-Trichlorophenol	1.65	1.21		mg/Kg		74	45 - 115	5	35
2,4,5-Trichlorophenol	1.65	1.21		mg/Kg		73	48 - 115	2	35
2-Chloronaphthalene	1.65	1.17		mg/Kg		71	52 - 115	3	35
2-Nitroaniline	1.65	1.34		mg/Kg		81	54 - 115	1	35
Dimethyl phthalate	1.65	1.31		mg/Kg		80	64 - 119	2	35
Acenaphthylene	1.65	1.32		mg/Kg		80	61 - 129	2	35
3-Nitroaniline	1.65	1.34		mg/Kg		81	50 - 115	2	35
Acenaphthene	1.65	1.22		mg/Kg		74	50 - 115	1	35
2,4-Dinitrophenol	1.65	ND		mg/Kg		23	15 - 115	28	35
4-Nitrophenol	1.65	1.37		mg/Kg		83	54 - 125	11	35
Dibenzofuran	1.65	1.23		mg/Kg		74	55 - 115	1	35
2,4-Dinitrotoluene	1.65	1.49		mg/Kg		90	57 - 115	2	35
2,6-Dinitrotoluene	1.65	1.42		mg/Kg		86	54 - 119	2	35
Diethyl phthalate	1.65	1.38		mg/Kg		84	49 - 117	0	35
4-Chlorophenyl phenyl ether	1.65	1.31		mg/Kg		79	57 - 115	1	35
Fluorene	1.65	1.24		mg/Kg		75	54 - 115	3	35
4-Nitroaniline	1.65	1.41		mg/Kg		86	59 - 115	3	35
2-Methyl-4,6-dinitrophenol	1.65	0.893		mg/Kg		54	39 - 115	12	35
N-Nitrosodiphenylamine	1.65	1.37		mg/Kg		83	56 - 115	2	35
4-Bromophenyl phenyl ether	1.65	1.32		mg/Kg		80	53 - 115	0	35
Hexachlorobenzene	1.65	1.38		mg/Kg		83	55 - 115	2	35
Pentachlorophenol	1.65	1.15		mg/Kg		70	35 - 115	5	35
Phenanthrene	1.65	1.33		mg/Kg		81	54 - 115	0	35
Anthracene	1.65	1.35		mg/Kg		82	55 - 115	1	35
Di-n-butyl phthalate	1.65	1.43		mg/Kg		86	55 - 115	1	35
Fluoranthene	1.65	1.44		mg/Kg		87	54 - 115	2	35
Pyrene	1.65	1.45		mg/Kg		88	48 - 115	0	35
Butyl benzyl phthalate	1.65	1.54		mg/Kg		93	53 - 115	0	35
3,3'-Dichlorobenzidine	1.65	1.34		mg/Kg		81	42 - 115	0	35
Benzo[a]anthracene	1.65	1.46		mg/Kg		89	55 - 115	0	35
Bis(2-ethylhexyl) phthalate	1.65	1.52		mg/Kg		92	53 - 115	0	35
Chrysene	1.65	1.46		mg/Kg		88	58 - 115	0	35
Di-n-octyl phthalate	1.65	1.55		mg/Kg		94	53 - 115	0	35
Benzo[b]fluoranthene	1.65	1.66		mg/Kg		100	56 - 115	4	35
Benzo[a]pyrene	1.65	1.38		mg/Kg		84	55 - 115	0	35
Benzo[k]fluoranthene	1.65	1.27		mg/Kg		77	57 - 115	2	35
Indeno[1,2,3-cd]pyrene	1.65	1.41		mg/Kg		86	56 - 115	1	35
Benzo[g,h,i]perylene	1.65	1.44		mg/Kg		87	56 - 115	0	35
Benzoic acid	1.65	ND *		mg/Kg		17	10 - 115	39	35
Azobenzene	1.65	1.26		mg/Kg		77	52 - 115	4	35
Dibenz(a,h)anthracene	1.65	1.39		mg/Kg		84	58 - 115	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Nitrobenzene-d5	72		21 - 98

QC Sample Results

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

TestAmerica Job ID: 720-44050-1

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

(Continued)

Lab Sample ID: LCSD 720-119817/3-A

Matrix: Solid

Analysis Batch: 119898

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119817

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	71		30 - 112
Terphenyl-d14	90		32 - 117
2-Fluorophenol	73		28 - 98
Phenol-d5	73		23 - 101
2,4,6-Tribromophenol	84		37 - 114

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

Lab Sample ID: MB 720-119627/1-A

Matrix: Solid

Analysis Batch: 119626

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119627

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/23/12 08:03	08/23/12 23:59	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
p-Terphenyl	108		40 - 130	08/23/12 08:03	08/23/12 23:59	1

Lab Sample ID: LCS 720-119627/2-A

Matrix: Solid

Analysis Batch: 119626

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119627

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Diesel Range Organics [C10-C28]	83.3	68.0		mg/Kg		82	50 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
p-Terphenyl	88		40 - 130

Lab Sample ID: LCSD 720-119627/3-A

Matrix: Solid

Analysis Batch: 119626

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119627

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec. Limits	RPD	Limit
		Result	Qualifier						
Diesel Range Organics [C10-C28]	83.2	71.6		mg/Kg		86	50 - 150	5	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
p-Terphenyl	92		40 - 130

Lab Sample ID: MB 720-119655/1-A

Matrix: Solid

Analysis Batch: 119689

Client Sample ID: Method Blank

Prep Type: Silica Gel Cleanup

Prep Batch: 119655

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/23/12 14:22	08/24/12 12:01	1

QC Sample Results

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

TestAmerica Job ID: 720-44050-1

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

Lab Sample ID: MB 720-119655/1-A
Matrix: Solid
Analysis Batch: 119689

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 119655

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Capric Acid (Surr)	0.0008		0 - 1	08/23/12 14:22	08/24/12 12:01	1
p-Terphenyl	97		38 - 148	08/23/12 14:22	08/24/12 12:01	1

Lab Sample ID: LCS 720-119655/2-A
Matrix: Solid
Analysis Batch: 119689

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 119655

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							RPD	Limit
Diesel Range Organics [C10-C28]	82.9	48.6		mg/Kg		59	36 - 112	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
p-Terphenyl	73		38 - 148

Lab Sample ID: LCSD 720-119655/3-A
Matrix: Solid
Analysis Batch: 119689

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 119655

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
							RPD	Limit		
Diesel Range Organics [C10-C28]	83.1	45.0		mg/Kg		54	36 - 112	8	35	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
p-Terphenyl	65		38 - 148

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-119483/1-A
Matrix: Solid
Analysis Batch: 119579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119483

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	0.539		0.50		mg/Kg		08/21/12 10:41	08/22/12 12:58	1

Lab Sample ID: LCS 720-119483/2-A
Matrix: Solid
Analysis Batch: 119579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119483

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							RPD	Limit
Lead	50.0	41.9		mg/Kg		84	80 - 120	

Lab Sample ID: LCSD 720-119483/3-A
Matrix: Solid
Analysis Batch: 119579

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119483

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
							RPD	Limit		
Lead	50.0	45.7		mg/Kg		91	80 - 120	9	20	

QC Sample Results

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

TestAmerica Job ID: 720-44050-1

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

Lab Sample ID: LCSSRM 720-119483/22-A
Matrix: Solid
Analysis Batch: 119579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119483

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	280	238		mg/Kg		85	62 - 113

- 1
- 2
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- 13
- 14

QC Association Summary

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

TestAmerica Job ID: 720-44050-1

GC/MS VOA

Analysis Batch: 119539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44050-1	EX-20	Total/NA	Solid	8260B/CA_LUFT MS	119574
LCS 720-119574/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119574
LCS 720-119574/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119574
LCSD 720-119574/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119574
LCSD 720-119574/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119574
MB 720-119574/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	119574

Prep Batch: 119574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44050-1	EX-20	Total/NA	Solid	5030B	
LCS 720-119574/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-119574/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-119574/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-119574/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-119574/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 119578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44050-1	EX-20	Total/NA	Solid	8260B/CA_LUFT MS	119603
LCS 720-119603/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119603
LCS 720-119603/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119603
LCSD 720-119603/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119603
LCSD 720-119603/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119603
MB 720-119603/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	119603

Prep Batch: 119603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44050-1	EX-20	Total/NA	Solid	5030B	
LCS 720-119603/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-119603/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-119603/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-119603/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-119603/1-A	Method Blank	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 119817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44050-1	EX-20	Total/NA	Solid	3546	
LCS 720-119817/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-119817/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-119817/1-A	Method Blank	Total/NA	Solid	3546	

QC Association Summary

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

TestAmerica Job ID: 720-44050-1

GC/MS Semi VOA (Continued)

Analysis Batch: 119898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44050-1	EX-20	Total/NA	Solid	8270C	119817
LCS 720-119817/2-A	Lab Control Sample	Total/NA	Solid	8270C	119817
LCSD 720-119817/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	119817
MB 720-119817/1-A	Method Blank	Total/NA	Solid	8270C	119817

GC Semi VOA

Analysis Batch: 119626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-119627/2-A	Lab Control Sample	Total/NA	Solid	8015B	119627
LCSD 720-119627/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	119627
MB 720-119627/1-A	Method Blank	Total/NA	Solid	8015B	119627

Prep Batch: 119627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44050-1	EX-20	Total/NA	Solid	3546	
LCS 720-119627/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-119627/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-119627/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 119655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44050-1	EX-20	Silica Gel Cleanup	Solid	3546	
LCS 720-119655/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-119655/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-119655/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 119689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44050-1	EX-20	Total/NA	Solid	8015B	119627
LCS 720-119655/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	119655
LCSD 720-119655/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	119655
MB 720-119655/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	119655

Analysis Batch: 119781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44050-1	EX-20	Silica Gel Cleanup	Solid	8015B	119655

Metals

Prep Batch: 119483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44050-1	EX-20	Total/NA	Solid	3050B	
LCS 720-119483/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-119483/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-119483/22-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-119483/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 119579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44050-1	EX-20	Total/NA	Solid	6010B	119483
LCS 720-119483/2-A	Lab Control Sample	Total/NA	Solid	6010B	119483

QC Association Summary

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

TestAmerica Job ID: 720-44050-1

Metals (Continued)

Analysis Batch: 119579 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 720-119483/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	119483
LCSSRM 720-119483/22-A	Lab Control Sample	Total/NA	Solid	6010B	119483
MB 720-119483/1-A	Method Blank	Total/NA	Solid	6010B	119483

General Chemistry

Prep Batch: 48024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44050-1	EX-20	Total/NA	Solid	9071B	

Analysis Batch: 48027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44050-1	EX-20	Total/NA	Solid	9071B	48024

Lab Chronicle

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

TestAmerica Job ID: 720-44050-1

Client Sample ID: EX-20

Lab Sample ID: 720-44050-1

Date Collected: 08/20/12 02:30

Matrix: Solid

Date Received: 08/20/12 13:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			119574	08/22/12 07:30	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119539	08/22/12 18:18	AC	TAL SF
Total/NA	Prep	5030B			119603	08/22/12 16:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119578	08/23/12 00:47	DH	TAL SF
Total/NA	Prep	3546			119817	08/27/12 20:26	NP	TAL SF
Total/NA	Analysis	8270C		10	119898	08/28/12 23:31	ML	TAL SF
Total/NA	Prep	3546			119627	08/23/12 08:03	NP	TAL SF
Total/NA	Analysis	8015B		100	119689	08/24/12 18:19	JZ	TAL SF
Silica Gel Cleanup	Prep	3546			119655	08/23/12 14:22	ND	TAL SF
Silica Gel Cleanup	Analysis	8015B		50	119781	08/27/12 15:25	DH	TAL SF
Total/NA	Prep	3050B			119483	08/21/12 10:41	JR	TAL SF
Total/NA	Analysis	6010B		4	119579	08/22/12 13:57	EFH	TAL SF
Total/NA	Prep	9071B			48024	08/27/12 14:37	DA	TAL IRV
Total/NA	Analysis	9071B		1	48027	08/27/12 14:40	DA	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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

Certification Summary

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

TestAmerica Job ID: 720-44050-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arizona	State Program	9	AZ0671	10-13-12
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	07-31-12
New Mexico	State Program	6	N/A	01-31-12
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-12
USDA	Federal		P330-09-00080	06-06-14

Method Summary

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

TestAmerica Job ID: 720-44050-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL SF
8270C	Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF
6010B	Metals (ICP)	SW846	TAL SF
9071B	HEM and SGT-HEM	SW846	TAL IRV

Protocol References:

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

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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



Sample Summary

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

TestAmerica Job ID: 720-44050-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44050-1	EX-20	Solid	08/20/12 02:30	08/20/12 13:55

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-44050-1

Login Number: 44050

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Apostol, Anita

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



Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-44050-1

Login Number: 44050

List Number: 1

Creator: Avila, Stephanie

List Source: TestAmerica Irvine

List Creation: 08/21/12 03:56 PM

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

ATTACHMENT H
GROUNDWATER FIELD DATA SHEETS

**STANTEC CONSULTING
GROUNDWATER SAMPLE FIELD DATA SHEET**

Project No. 185702561 Purged By: T. Rhodes Well I.D.: MW-1
 Client Name: Former Good year Sampled By: T. Rhodes Sample I.D.: MW-1
 Location: Castro Valley What QA Samples?: _____

Date Purged: 8/21/12 Start (2400hr): 0920 End (2400hr): 0944
 Date Sampled: 8/21/12 Sample Time (2400hr): 1000

Casing Diameter: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 18.98 Casing Volume (gal) = 2.16
 Depth to water (feet) = 6.26 Calculated Purge (gal) = 6.49 (3 casing vols.)
 Water column height (feet) = 12.72 Actual Purge (gal) = 7
80% recharge @ 8.8' hrs

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm) ^{mf/cm}	pH (units)	Color (visual)	DTW (ft)	ORP
<u>8/21/12</u>	<u>0920</u>	<u>0</u>	<u>20.46</u>	<u>0.284</u>	<u>6.84</u>	<u>clear</u>	<u>6.26</u>	<u>199.3</u>
	<u>0930</u>	<u>2</u>	<u>19.96</u>	<u>0.504</u>	<u>6.56</u>	<u>v. lt. brn.</u>	<u>—</u>	<u>203.0</u>
	<u>0936</u>	<u>4</u>	<u>20.07</u>	<u>0.505</u>	<u>6.54</u>	<u>" "</u>	<u>—</u>	<u>203.9</u>
	<u>0941</u>	<u>6</u>	<u>19.92</u>	<u>0.504</u>	<u>6.60</u>	<u>" "</u>	<u>—</u>	<u>204.6</u>
	<u>0944</u>	<u>7</u>	<u>19.94</u>	<u>0.502</u>	<u>6.53</u>	<u>" "</u>	<u>6.28</u>	<u>204.7</u>

D.O. _____ mg/l, % _____

PURGING EQUIPMENT

Well Wizard Bladder Pump
 Active Extraction Well Pump
 Submersible Pump
 Peristaltic Pump
 Other: _____
 Pump Depth: _____ (feet)

Bailer (disposable)
 Bailer (PVC)
 Bailer (Stainless Steel)
 Dedicated _____

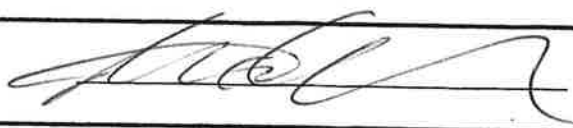
SAMPLING EQUIPMENT

WW Bladder Pump
 Sample Port
 Submersible Pump
 Peristaltic Pump
 Other: _____

Bailer (disposable)
 Bailer (PVC)
 Bailer (Stainless Steel)
 Dedicated: _____

Analyses: Semi-Annual
 Sample Vessel / Preservative: 4-16 liter be, 2-16 liter w/ HCl Odor: no
3 vac w/ HCl

Well Integrity: Well box good, cap ok: won't sink down. Casing good
 Remarks: _____

Signature: 

**STANTEC CONSULTING
GROUNDWATER SAMPLE FIELD DATA SHEET**

Project No. 185702561 Purged By: T. Rhodes Well I.D.: MW-2
 Client Name: Former Goodyear Sampled By: T. Rhodes Sample I.D.: MW-2
 Location: Castro Valley What QA Samples?: _____

Date Purged: 8/21/12 Start (2400hr): 1051 End (2400hr): 1106
 Date Sampled: 8/21/12 Sample Time (2400hr): 1115

Casing Diameter: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 18.00 Casing Volume (gal) = 2.06
 Depth to water (feet) = 5.88 Calculated Purge (gal) = 6.18 (3 casing vols.)
 Water column height (feet) = 12.12 Actual Purge (gal) = 7
80% @ 9.3' hrs.

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)	ORP
<u>8/21/12</u>	<u>1051</u>	<u>0</u>	<u>24.04</u>	<u>0.533</u>	<u>6.65</u>	<u>clear</u>	<u>5.88</u>	<u>206.4</u>
	<u>1056</u>	<u>2</u>	<u>22.14</u>	<u>0.513</u>	<u>6.60</u>	<u>lt. brn.</u>	<u>—</u>	<u>208.8</u>
	<u>1059</u>	<u>4</u>	<u>21.97</u>	<u>0.505</u>	<u>6.55</u>	<u>" "</u>	<u>—</u>	<u>210.0</u>
	<u>1103</u>	<u>6</u>	<u>22.01</u>	<u>0.502</u>	<u>6.53</u>	<u>" "</u>	<u>—</u>	<u>209.3</u>
	<u>1106</u>	<u>7</u>	<u>21.94</u>	<u>0.502</u>	<u>6.50</u>	<u>" "</u>	<u>5.88</u>	<u>209.6</u>

D.O. _____ mg/l, % _____

PURGING EQUIPMENT

Well Wizard Bladder Pump Bailer (disposable)
 Active Extraction Well Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____ (feet)

SAMPLING EQUIPMENT

WW Bladder Pump Bailer (disposable)
 Sample Port Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated: _____
 Other: _____

Analyses: semi-Annual
 Sample Vessel / Preservative: 4-16 Amber, 2-16 Amber w/HCl Odor: no
3000 w/HCl

Well Integrity: ok, wellbox lid won't screw down. casing good.
 Remarks: _____

Signature: _____

**STANTEC CONSULTING
GROUNDWATER SAMPLE FIELD DATA SHEET**

Project No. 185702561 Purged By: T. Rhodes Well I.D.: MW-4
 Client Name: Former Goodyear Sampled By: T. Rhodes Sample I.D.: MW-4
 Location: Castro Valley What QA Samples?: _____

Date Purged: 8/21/12 Start (2400hr): 1225 End (2400hr): 1251
 Date Sampled: 8/21/12 Sample Time (2400hr): 1300

Casing Diameter: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other 1"
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ((0.0)654)

Total depth (feet) = 14.95 Casing Volume (gal) = 0.476
 Depth to water (feet) = 7.67 Calculated Purge (gal) = 1.43 (3 casing vols.)
 Water column height (feet) = 7.28 Actual Purge (gal) = 2
80% @ 9.13' bgs

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity ^{cm} (umhos/cm)	pH (units)	Color (visual)	DTW (ft)	ORP
<u>8/21/12</u>	<u>1225</u>	<u>0</u>	<u>24.75</u>	<u>0.637</u>	<u>6.49</u>	<u>clear</u>	<u>7.67</u>	<u>136.7</u>
	<u>1234</u>	<u>0.5</u>	<u>22.90</u>	<u>0.570</u>	<u>6.38</u>	<u>lt. brn.</u>		<u>155.9</u>
	<u>1240</u>	<u>1</u>	<u>21.98</u>	<u>0.448</u>	<u>6.39</u>	<u>u u</u>		<u>171.1</u>
	<u>1246</u>	<u>1.5</u>	<u>21.90</u>	<u>0.400</u>	<u>6.45</u>	<u>u u</u>		<u>180.5</u>
	<u>1251</u>	<u>2</u>	<u>21.88</u>	<u>0.388</u>	<u>6.39</u>	<u>u u</u>	<u>7.69</u>	<u>184.4</u>

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

Well Wizard Bladder Pump Bailer (disposable)
 Active Extraction Well Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____ (feet)

SAMPLING EQUIPMENT

WW Bladder Pump Bailer (disposable)
 Sample Port Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated: _____
 Other: _____

Analyses: semi-annual
 Sample Vessel / Preservative: 4-16 Amber, 2-16 Amber Hcl Odor: no
3 vol w/ Hcl

Well Integrity: poor. Well has corroded, one non-threading bolt.
 Remarks: casing OK.

Signature: _____

**STANTEC CONSULTING
GROUNDWATER SAMPLE FIELD DATA SHEET**

Project No. 185702561 Purged By: T. Rhodes Well I.D.: MW-5
 Client Name: Former Goodyear Sampled By: T. Rhodes Sample I.D.: MW-5
 Location: Cayton Valley What QA Samples?:

Date Purged: 8/21/12 Start (2400hr): 1355 End (2400hr): 1416
 Date Sampled: 8/21/12 Sample Time (2400hr): 1420

Casing Diameter: 2" 3" 4" 5" 6" 8" Other
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 19.85 Casing Volume (gal) = 2.295
 Depth to water (feet) = 6.35 Calculated Purge (gal) = 6.885 (3 casing vols.)
 Water column height (feet) = 13.50 Actual Purge (gal) = 10
80% @ 9.05' hgt

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)	ORP
<u>8/21/12</u>	<u>1355</u>	<u>0</u>	<u>27.44</u>	<u>0.663</u>	<u>6.95</u>	<u>clear</u>	<u>6.35</u>	<u>139.7</u>
	<u>1359</u>	<u>2.5</u>	<u>24.29</u>	<u>0.761</u>	<u>6.67</u>	<u>dk. brn.</u>	<u> </u>	<u>144.8</u>
	<u>1405</u>	<u>5</u>	<u>22.79</u>	<u>0.702</u>	<u>6.59</u>	<u>" "</u>	<u> </u>	<u>152.2</u>
	<u>1411</u>	<u>7.5</u>	<u>22.90</u>	<u>0.687</u>	<u>6.64</u>	<u>lt. brn.</u>	<u> </u>	<u>157.3</u>
	<u>1416</u>	<u>10</u>	<u>22.78</u>	<u>0.657</u>	<u>6.56</u>	<u>" "</u>	<u>6.37</u>	<u>161.5</u>

D.O. mg/l %

PURGING EQUIPMENT

Well Wizard Bladder Pump
 Active Extraction Well Pump
 Submersible Pump
 Peristaltic Pump
 Other: _____
 Pump Depth: _____ (feet)

Bailer (disposable)
 Bailer (PVC)
 Bailer (Stainless Steel)
 Dedicated _____

SAMPLING EQUIPMENT

WW Bladder Pump
 Sample Port
 Submersible Pump
 Peristaltic Pump
 Other: _____

Bailer (disposable)
 Bailer (PVC)
 Bailer (Stainless Steel)
 Dedicated: _____

Analyses: Semi-Annual
 Sample Vessel / Preservative: 4-16 Amber, 2-16 Amber w/HCl Odor: no
300A w/ HCl

Well Integrity: good
 Remarks: _____

Signature: [Signature]

J:\Field Checklists\Field Reports\Groundwater field data sheet.doc, rev 6/99

ATTACHMENT I
GROUNDWATER SAMPLE ANALYTICAL REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 720-44097-1

Client Project/Site: Goodyear -DEX No.9578, 3430 Castro Valle

For:
Stantec Consulting Corp.
15575 Los Gatos Blvd
Bldg. C
Los Gatos, California 95032

Attn: Ms. Alicia Falk



Authorized for release by:
8/31/2012 4:25:35 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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- 2
- 3
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Definitions/Glossary

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

TestAmerica Job ID: 720-44097-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

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

TestAmerica Job ID: 720-44097-1

Job ID: 720-44097-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-44097-1

Comments

No additional comments.

Receipt

The samples were received on 8/21/2012 4:21 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.4° C and 2.8° C.

Insufficient sample volume was provided for the TAL-SF-TB (Trip Blanks) for all analyses except volatiles (TPH-GRO+ 8260B-BTEX,MTBE,EDC,EDB). Received only 2-40ml Hcl vials for TAL-SF-TB.

GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch #119576 exceeded control limits for the following analytes: 1,1,1-TCA. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

Method(s) 1664A: The method blank (MB) and laboratory control standard (LCS) analyzed in batch 160440 were in control, but were analyzed as HEM, rather than SGT-HEM, since the sample itself was non-detect for HEM and did not require the silica gel treatment. MW-1 (720-44097-1), MW-2 (720-44097-2), MW-4 (720-44097-3), MW-5 (720-44097-4)

The MB, at 0.4 mg/L, was less than the RL of 5 mg/L, and the LCS recovery was 92% and was within the 78-114% limit. The true value for the LCS is 40 mg/L and 36.8 mg/L was recovered for the LCS.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 720-44097-1

Client Sample ID: MW-1

Lab Sample ID: 720-44097-1

No Detections

Client Sample ID: MW-2

Lab Sample ID: 720-44097-2

No Detections

Client Sample ID: MW-4

Lab Sample ID: 720-44097-3

No Detections

Client Sample ID: MW-5

Lab Sample ID: 720-44097-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.17	J	0.50	0.069	ug/L	1			8260B/CA_LUFT MS	Total/NA
Lead	0.0081		0.0050	0.0023	mg/L	1			6010B	Total/NA
SGT-HEM	1.7	J	5.0	1.4	mg/L	1			1664A	Total/NA

Client Sample ID: TAL-SF-TB

Lab Sample ID: 720-44097-5

No Detections

Client Sample Results

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

TestAmerica Job ID: 720-44097-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MW-1
Date Collected: 08/21/12 10:00
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50	0.069	ug/L			08/22/12 22:29	1
Benzene	ND		0.50	0.25	ug/L			08/22/12 22:29	1
Ethylene Dibromide	ND		0.50	0.075	ug/L			08/22/12 22:29	1
1,2-Dichloroethane	ND		0.50	0.077	ug/L			08/22/12 22:29	1
Ethylbenzene	ND		0.50	0.070	ug/L			08/22/12 22:29	1
Toluene	ND		0.50	0.17	ug/L			08/22/12 22:29	1
Xylenes, Total	ND		1.0	0.49	ug/L			08/22/12 22:29	1
Gasoline Range Organics (GRO) -C5-C12	ND		50	21	ug/L			08/22/12 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		67 - 130					08/22/12 22:29	1
1,2-Dichloroethane-d4 (Surr)	103		75 - 138					08/22/12 22:29	1
Toluene-d8 (Surr)	101		70 - 130					08/22/12 22:29	1

Client Sample ID: MW-2
Date Collected: 08/21/12 11:15
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50	0.069	ug/L			08/22/12 22:58	1
Benzene	ND		0.50	0.25	ug/L			08/22/12 22:58	1
Ethylene Dibromide	ND		0.50	0.075	ug/L			08/22/12 22:58	1
1,2-Dichloroethane	ND		0.50	0.077	ug/L			08/22/12 22:58	1
Ethylbenzene	ND		0.50	0.070	ug/L			08/22/12 22:58	1
Toluene	ND		0.50	0.17	ug/L			08/22/12 22:58	1
Xylenes, Total	ND		1.0	0.49	ug/L			08/22/12 22:58	1
Gasoline Range Organics (GRO) -C5-C12	ND		50	21	ug/L			08/22/12 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		67 - 130					08/22/12 22:58	1
1,2-Dichloroethane-d4 (Surr)	105		75 - 138					08/22/12 22:58	1
Toluene-d8 (Surr)	100		70 - 130					08/22/12 22:58	1

Client Sample ID: MW-4
Date Collected: 08/21/12 13:00
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50	0.069	ug/L			08/22/12 23:27	1
Benzene	ND		0.50	0.25	ug/L			08/22/12 23:27	1
Ethylene Dibromide	ND		0.50	0.075	ug/L			08/22/12 23:27	1
1,2-Dichloroethane	ND		0.50	0.077	ug/L			08/22/12 23:27	1
Ethylbenzene	ND		0.50	0.070	ug/L			08/22/12 23:27	1
Toluene	ND		0.50	0.17	ug/L			08/22/12 23:27	1
Xylenes, Total	ND		1.0	0.49	ug/L			08/22/12 23:27	1
Gasoline Range Organics (GRO) -C5-C12	ND		50	21	ug/L			08/22/12 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		67 - 130					08/22/12 23:27	1
1,2-Dichloroethane-d4 (Surr)	106		75 - 138					08/22/12 23:27	1
Toluene-d8 (Surr)	100		70 - 130					08/22/12 23:27	1

Client Sample Results

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

TestAmerica Job ID: 720-44097-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MW-5
Date Collected: 08/21/12 14:20
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.17	J	0.50	0.069	ug/L			08/22/12 22:00	1
Benzene	ND		0.50	0.25	ug/L			08/22/12 22:00	1
Ethylene Dibromide	ND		0.50	0.075	ug/L			08/22/12 22:00	1
1,2-Dichloroethane	ND		0.50	0.077	ug/L			08/22/12 22:00	1
Ethylbenzene	ND		0.50	0.070	ug/L			08/22/12 22:00	1
Toluene	ND		0.50	0.17	ug/L			08/22/12 22:00	1
Xylenes, Total	ND		1.0	0.49	ug/L			08/22/12 22:00	1
Gasoline Range Organics (GRO) -C5-C12	ND		50	21	ug/L			08/22/12 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		67 - 130		08/22/12 22:00	1
1,2-Dichloroethane-d4 (Surr)	106		75 - 138		08/22/12 22:00	1
Toluene-d8 (Surr)	100		70 - 130		08/22/12 22:00	1

Client Sample ID: TAL-SF-TB
Date Collected: 08/21/12 00:00
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50	0.069	ug/L			08/22/12 23:56	1
Benzene	ND		0.50	0.25	ug/L			08/22/12 23:56	1
Ethylene Dibromide	ND		0.50	0.075	ug/L			08/22/12 23:56	1
1,2-Dichloroethane	ND		0.50	0.077	ug/L			08/22/12 23:56	1
Ethylbenzene	ND		0.50	0.070	ug/L			08/22/12 23:56	1
Toluene	ND		0.50	0.17	ug/L			08/22/12 23:56	1
Xylenes, Total	ND		1.0	0.49	ug/L			08/22/12 23:56	1
Gasoline Range Organics (GRO) -C5-C12	ND		50	21	ug/L			08/22/12 23:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		67 - 130		08/22/12 23:56	1
1,2-Dichloroethane-d4 (Surr)	104		75 - 138		08/22/12 23:56	1
Toluene-d8 (Surr)	99		70 - 130		08/22/12 23:56	1

Client Sample Results

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

TestAmerica Job ID: 720-44097-1

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

Client Sample ID: MW-1
Date Collected: 08/21/12 10:00
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		2.0	0.63	ug/L		08/22/12 22:56	08/26/12 04:54	1
Bis(2-chloroethyl)ether	ND		2.0	0.31	ug/L		08/22/12 22:56	08/26/12 04:54	1
2-Chlorophenol	ND		4.1	0.40	ug/L		08/22/12 22:56	08/26/12 04:54	1
1,3-Dichlorobenzene	ND		2.0	0.22	ug/L		08/22/12 22:56	08/26/12 04:54	1
1,4-Dichlorobenzene	ND		2.0	0.27	ug/L		08/22/12 22:56	08/26/12 04:54	1
Benzyl alcohol	ND		5.1	0.22	ug/L		08/22/12 22:56	08/26/12 04:54	1
1,2-Dichlorobenzene	ND		2.0	0.26	ug/L		08/22/12 22:56	08/26/12 04:54	1
2-Methylphenol	ND		4.1	0.39	ug/L		08/22/12 22:56	08/26/12 04:54	1
4-Methylphenol	ND		8.2	0.66	ug/L		08/22/12 22:56	08/26/12 04:54	1
N-Nitrosodi-n-propylamine	ND		2.0	0.41	ug/L		08/22/12 22:56	08/26/12 04:54	1
Hexachloroethane	ND		2.0	1.0	ug/L		08/22/12 22:56	08/26/12 04:54	1
Nitrobenzene	ND		2.0	0.37	ug/L		08/22/12 22:56	08/26/12 04:54	1
Isophorone	ND		4.1	0.61	ug/L		08/22/12 22:56	08/26/12 04:54	1
2-Nitrophenol	ND		2.0	1.0	ug/L		08/22/12 22:56	08/26/12 04:54	1
2,4-Dimethylphenol	ND		3.1	2.0	ug/L		08/22/12 22:56	08/26/12 04:54	1
Bis(2-chloroethoxy)methane	ND		5.1	0.24	ug/L		08/22/12 22:56	08/26/12 04:54	1
2,4-Dichlorophenol	ND		5.1	0.30	ug/L		08/22/12 22:56	08/26/12 04:54	1
1,2,4-Trichlorobenzene	ND		2.0	0.46	ug/L		08/22/12 22:56	08/26/12 04:54	1
Naphthalene	ND		2.0	0.24	ug/L		08/22/12 22:56	08/26/12 04:54	1
4-Chloroaniline	ND		2.0	0.28	ug/L		08/22/12 22:56	08/26/12 04:54	1
Hexachlorobutadiene	ND		2.0	0.52	ug/L		08/22/12 22:56	08/26/12 04:54	1
4-Chloro-3-methylphenol	ND		5.1	0.24	ug/L		08/22/12 22:56	08/26/12 04:54	1
2-Methylnaphthalene	ND		2.0	0.23	ug/L		08/22/12 22:56	08/26/12 04:54	1
Hexachlorocyclopentadiene	ND		5.1	0.35	ug/L		08/22/12 22:56	08/26/12 04:54	1
2,4,6-Trichlorophenol	ND		2.0	0.52	ug/L		08/22/12 22:56	08/26/12 04:54	1
2,4,5-Trichlorophenol	ND		4.1	0.38	ug/L		08/22/12 22:56	08/26/12 04:54	1
2-Chloronaphthalene	ND		4.1	0.46	ug/L		08/22/12 22:56	08/26/12 04:54	1
2-Nitroaniline	ND		10	1.0	ug/L		08/22/12 22:56	08/26/12 04:54	1
Dimethyl phthalate	ND		5.1	0.47	ug/L		08/22/12 22:56	08/26/12 04:54	1
Acenaphthylene	ND		4.1	0.44	ug/L		08/22/12 22:56	08/26/12 04:54	1
3-Nitroaniline	ND		5.1	0.94	ug/L		08/22/12 22:56	08/26/12 04:54	1
Acenaphthene	ND		2.0	0.29	ug/L		08/22/12 22:56	08/26/12 04:54	1
2,4-Dinitrophenol	ND		10	2.1	ug/L		08/22/12 22:56	08/26/12 04:54	1
4-Nitrophenol	ND		10	2.1	ug/L		08/22/12 22:56	08/26/12 04:54	1
Dibenzofuran	ND		4.1	0.52	ug/L		08/22/12 22:56	08/26/12 04:54	1
2,4-Dinitrotoluene	ND		4.1	0.37	ug/L		08/22/12 22:56	08/26/12 04:54	1
2,6-Dinitrotoluene	ND		5.1	0.43	ug/L		08/22/12 22:56	08/26/12 04:54	1
Diethyl phthalate	ND		5.1	0.58	ug/L		08/22/12 22:56	08/26/12 04:54	1
4-Chlorophenyl phenyl ether	ND		5.1	0.39	ug/L		08/22/12 22:56	08/26/12 04:54	1
Fluorene	ND		4.1	0.50	ug/L		08/22/12 22:56	08/26/12 04:54	1
4-Nitroaniline	ND		10	2.0	ug/L		08/22/12 22:56	08/26/12 04:54	1
2-Methyl-4,6-dinitrophenol	ND		10	2.1	ug/L		08/22/12 22:56	08/26/12 04:54	1
N-Nitrosodiphenylamine	ND		2.0	0.37	ug/L		08/22/12 22:56	08/26/12 04:54	1
4-Bromophenyl phenyl ether	ND		5.1	0.28	ug/L		08/22/12 22:56	08/26/12 04:54	1
Hexachlorobenzene	ND		2.0	0.33	ug/L		08/22/12 22:56	08/26/12 04:54	1
Pentachlorophenol	ND		10	0.82	ug/L		08/22/12 22:56	08/26/12 04:54	1
Phenanthrene	ND		2.0	0.35	ug/L		08/22/12 22:56	08/26/12 04:54	1
Anthracene	ND		2.0	0.30	ug/L		08/22/12 22:56	08/26/12 04:54	1
Di-n-butyl phthalate	ND		5.1	0.38	ug/L		08/22/12 22:56	08/26/12 04:54	1
Fluoranthene	ND		2.0	0.24	ug/L		08/22/12 22:56	08/26/12 04:54	1
Pyrene	ND		2.0	0.32	ug/L		08/22/12 22:56	08/26/12 04:54	1

Client Sample Results

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

TestAmerica Job ID: 720-44097-1

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

Client Sample ID: MW-1
Date Collected: 08/21/12 10:00
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		5.1	0.31	ug/L		08/22/12 22:56	08/26/12 04:54	1
3,3'-Dichlorobenzidine	ND		5.1	0.21	ug/L		08/22/12 22:56	08/26/12 04:54	1
Benzo[a]anthracene	ND		5.1	0.66	ug/L		08/22/12 22:56	08/26/12 04:54	1
Bis(2-ethylhexyl) phthalate	ND		10	1.5	ug/L		08/22/12 22:56	08/26/12 04:54	1
Chrysene	ND		2.0	0.23	ug/L		08/22/12 22:56	08/26/12 04:54	1
Di-n-octyl phthalate	ND		5.1	0.66	ug/L		08/22/12 22:56	08/26/12 04:54	1
Benzo[b]fluoranthene	ND		2.0	0.35	ug/L		08/22/12 22:56	08/26/12 04:54	1
Benzo[a]pyrene	ND		2.0	0.25	ug/L		08/22/12 22:56	08/26/12 04:54	1
Benzo[k]fluoranthene	ND		2.0	0.32	ug/L		08/22/12 22:56	08/26/12 04:54	1
Indeno[1,2,3-cd]pyrene	ND		2.0	0.40	ug/L		08/22/12 22:56	08/26/12 04:54	1
Benzo[g,h,i]perylene	ND		2.0	0.38	ug/L		08/22/12 22:56	08/26/12 04:54	1
Benzoic acid	ND		10	1.8	ug/L		08/22/12 22:56	08/26/12 04:54	1
Azobenzene	ND		2.0	0.30	ug/L		08/22/12 22:56	08/26/12 04:54	1
Dibenz(a,h)anthracene	ND		2.0	0.41	ug/L		08/22/12 22:56	08/26/12 04:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	77		25 - 102	08/22/12 22:56	08/26/12 04:54	1
2-Fluorobiphenyl	62		10 - 101	08/22/12 22:56	08/26/12 04:54	1
Terphenyl-d14	76		57 - 117	08/22/12 22:56	08/26/12 04:54	1
2-Fluorophenol	23		10 - 65	08/22/12 22:56	08/26/12 04:54	1
Phenol-d5	15		10 - 46	08/22/12 22:56	08/26/12 04:54	1
2,4,6-Tribromophenol	89		18 - 123	08/22/12 22:56	08/26/12 04:54	1

Client Sample ID: MW-2
Date Collected: 08/21/12 11:15
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		2.0	0.63	ug/L		08/22/12 22:56	08/26/12 05:18	1
Bis(2-chloroethyl)ether	ND		2.0	0.31	ug/L		08/22/12 22:56	08/26/12 05:18	1
2-Chlorophenol	ND		4.1	0.40	ug/L		08/22/12 22:56	08/26/12 05:18	1
1,3-Dichlorobenzene	ND		2.0	0.22	ug/L		08/22/12 22:56	08/26/12 05:18	1
1,4-Dichlorobenzene	ND		2.0	0.27	ug/L		08/22/12 22:56	08/26/12 05:18	1
Benzyl alcohol	ND		5.1	0.22	ug/L		08/22/12 22:56	08/26/12 05:18	1
1,2-Dichlorobenzene	ND		2.0	0.26	ug/L		08/22/12 22:56	08/26/12 05:18	1
2-Methylphenol	ND		4.1	0.39	ug/L		08/22/12 22:56	08/26/12 05:18	1
4-Methylphenol	ND		8.2	0.66	ug/L		08/22/12 22:56	08/26/12 05:18	1
N-Nitrosodi-n-propylamine	ND		2.0	0.41	ug/L		08/22/12 22:56	08/26/12 05:18	1
Hexachloroethane	ND		2.0	1.0	ug/L		08/22/12 22:56	08/26/12 05:18	1
Nitrobenzene	ND		2.0	0.37	ug/L		08/22/12 22:56	08/26/12 05:18	1
Isophorone	ND		4.1	0.61	ug/L		08/22/12 22:56	08/26/12 05:18	1
2-Nitrophenol	ND		2.0	1.0	ug/L		08/22/12 22:56	08/26/12 05:18	1
2,4-Dimethylphenol	ND		3.1	2.0	ug/L		08/22/12 22:56	08/26/12 05:18	1
Bis(2-chloroethoxy)methane	ND		5.1	0.24	ug/L		08/22/12 22:56	08/26/12 05:18	1
2,4-Dichlorophenol	ND		5.1	0.30	ug/L		08/22/12 22:56	08/26/12 05:18	1
1,2,4-Trichlorobenzene	ND		2.0	0.46	ug/L		08/22/12 22:56	08/26/12 05:18	1
Naphthalene	ND		2.0	0.24	ug/L		08/22/12 22:56	08/26/12 05:18	1
4-Chloroaniline	ND		2.0	0.28	ug/L		08/22/12 22:56	08/26/12 05:18	1
Hexachlorobutadiene	ND		2.0	0.52	ug/L		08/22/12 22:56	08/26/12 05:18	1
4-Chloro-3-methylphenol	ND		5.1	0.24	ug/L		08/22/12 22:56	08/26/12 05:18	1
2-Methylnaphthalene	ND		2.0	0.23	ug/L		08/22/12 22:56	08/26/12 05:18	1
Hexachlorocyclopentadiene	ND		5.1	0.35	ug/L		08/22/12 22:56	08/26/12 05:18	1

Client Sample Results

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

TestAmerica Job ID: 720-44097-1

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

Client Sample ID: MW-2
Date Collected: 08/21/12 11:15
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		2.0	0.52	ug/L		08/22/12 22:56	08/26/12 05:18	1
2,4,5-Trichlorophenol	ND		4.1	0.38	ug/L		08/22/12 22:56	08/26/12 05:18	1
2-Chloronaphthalene	ND		4.1	0.46	ug/L		08/22/12 22:56	08/26/12 05:18	1
2-Nitroaniline	ND		10	1.0	ug/L		08/22/12 22:56	08/26/12 05:18	1
Dimethyl phthalate	ND		5.1	0.47	ug/L		08/22/12 22:56	08/26/12 05:18	1
Acenaphthylene	ND		4.1	0.44	ug/L		08/22/12 22:56	08/26/12 05:18	1
3-Nitroaniline	ND		5.1	0.94	ug/L		08/22/12 22:56	08/26/12 05:18	1
Acenaphthene	ND		2.0	0.29	ug/L		08/22/12 22:56	08/26/12 05:18	1
2,4-Dinitrophenol	ND		10	2.1	ug/L		08/22/12 22:56	08/26/12 05:18	1
4-Nitrophenol	ND		10	2.1	ug/L		08/22/12 22:56	08/26/12 05:18	1
Dibenzofuran	ND		4.1	0.52	ug/L		08/22/12 22:56	08/26/12 05:18	1
2,4-Dinitrotoluene	ND		4.1	0.37	ug/L		08/22/12 22:56	08/26/12 05:18	1
2,6-Dinitrotoluene	ND		5.1	0.43	ug/L		08/22/12 22:56	08/26/12 05:18	1
Diethyl phthalate	ND		5.1	0.58	ug/L		08/22/12 22:56	08/26/12 05:18	1
4-Chlorophenyl phenyl ether	ND		5.1	0.39	ug/L		08/22/12 22:56	08/26/12 05:18	1
Fluorene	ND		4.1	0.50	ug/L		08/22/12 22:56	08/26/12 05:18	1
4-Nitroaniline	ND		10	2.0	ug/L		08/22/12 22:56	08/26/12 05:18	1
2-Methyl-4,6-dinitrophenol	ND		10	2.1	ug/L		08/22/12 22:56	08/26/12 05:18	1
N-Nitrosodiphenylamine	ND		2.0	0.37	ug/L		08/22/12 22:56	08/26/12 05:18	1
4-Bromophenyl phenyl ether	ND		5.1	0.28	ug/L		08/22/12 22:56	08/26/12 05:18	1
Hexachlorobenzene	ND		2.0	0.33	ug/L		08/22/12 22:56	08/26/12 05:18	1
Pentachlorophenol	ND		10	0.82	ug/L		08/22/12 22:56	08/26/12 05:18	1
Phenanthrene	ND		2.0	0.35	ug/L		08/22/12 22:56	08/26/12 05:18	1
Anthracene	ND		2.0	0.30	ug/L		08/22/12 22:56	08/26/12 05:18	1
Di-n-butyl phthalate	ND		5.1	0.38	ug/L		08/22/12 22:56	08/26/12 05:18	1
Fluoranthene	ND		2.0	0.24	ug/L		08/22/12 22:56	08/26/12 05:18	1
Pyrene	ND		2.0	0.32	ug/L		08/22/12 22:56	08/26/12 05:18	1
Butyl benzyl phthalate	ND		5.1	0.31	ug/L		08/22/12 22:56	08/26/12 05:18	1
3,3'-Dichlorobenzidine	ND		5.1	0.21	ug/L		08/22/12 22:56	08/26/12 05:18	1
Benzo[a]anthracene	ND		5.1	0.66	ug/L		08/22/12 22:56	08/26/12 05:18	1
Bis(2-ethylhexyl) phthalate	ND		10	1.5	ug/L		08/22/12 22:56	08/26/12 05:18	1
Chrysene	ND		2.0	0.23	ug/L		08/22/12 22:56	08/26/12 05:18	1
Di-n-octyl phthalate	ND		5.1	0.66	ug/L		08/22/12 22:56	08/26/12 05:18	1
Benzo[b]fluoranthene	ND		2.0	0.35	ug/L		08/22/12 22:56	08/26/12 05:18	1
Benzo[a]pyrene	ND		2.0	0.25	ug/L		08/22/12 22:56	08/26/12 05:18	1
Benzo[k]fluoranthene	ND		2.0	0.32	ug/L		08/22/12 22:56	08/26/12 05:18	1
Indeno[1,2,3-cd]pyrene	ND		2.0	0.40	ug/L		08/22/12 22:56	08/26/12 05:18	1
Benzo[g,h,i]perylene	ND		2.0	0.38	ug/L		08/22/12 22:56	08/26/12 05:18	1
Benzoic acid	ND		10	1.8	ug/L		08/22/12 22:56	08/26/12 05:18	1
Azobenzene	ND		2.0	0.30	ug/L		08/22/12 22:56	08/26/12 05:18	1
Dibenz(a,h)anthracene	ND		2.0	0.41	ug/L		08/22/12 22:56	08/26/12 05:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70		25 - 102	08/22/12 22:56	08/26/12 05:18	1
2-Fluorobiphenyl	57		10 - 101	08/22/12 22:56	08/26/12 05:18	1
Terphenyl-d14	76		57 - 117	08/22/12 22:56	08/26/12 05:18	1
2-Fluorophenol	23		10 - 65	08/22/12 22:56	08/26/12 05:18	1
Phenol-d5	15		10 - 46	08/22/12 22:56	08/26/12 05:18	1
2,4,6-Tribromophenol	83		18 - 123	08/22/12 22:56	08/26/12 05:18	1

Client Sample Results

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

TestAmerica Job ID: 720-44097-1

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

Client Sample ID: MW-4

Date Collected: 08/21/12 13:00

Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		2.0	0.63	ug/L		08/22/12 22:56	08/26/12 15:23	1
Bis(2-chloroethyl)ether	ND		2.0	0.31	ug/L		08/22/12 22:56	08/26/12 15:23	1
2-Chlorophenol	ND		4.1	0.40	ug/L		08/22/12 22:56	08/26/12 15:23	1
1,3-Dichlorobenzene	ND		2.0	0.22	ug/L		08/22/12 22:56	08/26/12 15:23	1
1,4-Dichlorobenzene	ND		2.0	0.27	ug/L		08/22/12 22:56	08/26/12 15:23	1
Benzyl alcohol	ND		5.1	0.22	ug/L		08/22/12 22:56	08/26/12 15:23	1
1,2-Dichlorobenzene	ND		2.0	0.26	ug/L		08/22/12 22:56	08/26/12 15:23	1
2-Methylphenol	ND		4.1	0.39	ug/L		08/22/12 22:56	08/26/12 15:23	1
4-Methylphenol	ND		8.2	0.66	ug/L		08/22/12 22:56	08/26/12 15:23	1
N-Nitrosodi-n-propylamine	ND		2.0	0.41	ug/L		08/22/12 22:56	08/26/12 15:23	1
Hexachloroethane	ND		2.0	1.0	ug/L		08/22/12 22:56	08/26/12 15:23	1
Nitrobenzene	ND		2.0	0.37	ug/L		08/22/12 22:56	08/26/12 15:23	1
Isophorone	ND		4.1	0.61	ug/L		08/22/12 22:56	08/26/12 15:23	1
2-Nitrophenol	ND		2.0	1.0	ug/L		08/22/12 22:56	08/26/12 15:23	1
2,4-Dimethylphenol	ND		3.1	2.0	ug/L		08/22/12 22:56	08/26/12 15:23	1
Bis(2-chloroethoxy)methane	ND		5.1	0.24	ug/L		08/22/12 22:56	08/26/12 15:23	1
2,4-Dichlorophenol	ND		5.1	0.30	ug/L		08/22/12 22:56	08/26/12 15:23	1
1,2,4-Trichlorobenzene	ND		2.0	0.46	ug/L		08/22/12 22:56	08/26/12 15:23	1
Naphthalene	ND		2.0	0.24	ug/L		08/22/12 22:56	08/26/12 15:23	1
4-Chloroaniline	ND		2.0	0.28	ug/L		08/22/12 22:56	08/26/12 15:23	1
Hexachlorobutadiene	ND		2.0	0.52	ug/L		08/22/12 22:56	08/26/12 15:23	1
4-Chloro-3-methylphenol	ND		5.1	0.24	ug/L		08/22/12 22:56	08/26/12 15:23	1
2-Methylnaphthalene	ND		2.0	0.23	ug/L		08/22/12 22:56	08/26/12 15:23	1
Hexachlorocyclopentadiene	ND		5.1	0.35	ug/L		08/22/12 22:56	08/26/12 15:23	1
2,4,6-Trichlorophenol	ND		2.0	0.52	ug/L		08/22/12 22:56	08/26/12 15:23	1
2,4,5-Trichlorophenol	ND		4.1	0.38	ug/L		08/22/12 22:56	08/26/12 15:23	1
2-Chloronaphthalene	ND		4.1	0.46	ug/L		08/22/12 22:56	08/26/12 15:23	1
2-Nitroaniline	ND		10	1.0	ug/L		08/22/12 22:56	08/26/12 15:23	1
Dimethyl phthalate	ND		5.1	0.47	ug/L		08/22/12 22:56	08/26/12 15:23	1
Acenaphthylene	ND		4.1	0.44	ug/L		08/22/12 22:56	08/26/12 15:23	1
3-Nitroaniline	ND		5.1	0.94	ug/L		08/22/12 22:56	08/26/12 15:23	1
Acenaphthene	ND		2.0	0.29	ug/L		08/22/12 22:56	08/26/12 15:23	1
2,4-Dinitrophenol	ND		10	2.1	ug/L		08/22/12 22:56	08/26/12 15:23	1
4-Nitrophenol	ND		10	2.1	ug/L		08/22/12 22:56	08/26/12 15:23	1
Dibenzofuran	ND		4.1	0.52	ug/L		08/22/12 22:56	08/26/12 15:23	1
2,4-Dinitrotoluene	ND		4.1	0.37	ug/L		08/22/12 22:56	08/26/12 15:23	1
2,6-Dinitrotoluene	ND		5.1	0.43	ug/L		08/22/12 22:56	08/26/12 15:23	1
Diethyl phthalate	ND		5.1	0.58	ug/L		08/22/12 22:56	08/26/12 15:23	1
4-Chlorophenyl phenyl ether	ND		5.1	0.39	ug/L		08/22/12 22:56	08/26/12 15:23	1
Fluorene	ND		4.1	0.50	ug/L		08/22/12 22:56	08/26/12 15:23	1
4-Nitroaniline	ND		10	2.0	ug/L		08/22/12 22:56	08/26/12 15:23	1
2-Methyl-4,6-dinitrophenol	ND		10	2.1	ug/L		08/22/12 22:56	08/26/12 15:23	1
N-Nitrosodiphenylamine	ND		2.0	0.37	ug/L		08/22/12 22:56	08/26/12 15:23	1
4-Bromophenyl phenyl ether	ND		5.1	0.28	ug/L		08/22/12 22:56	08/26/12 15:23	1
Hexachlorobenzene	ND		2.0	0.33	ug/L		08/22/12 22:56	08/26/12 15:23	1
Pentachlorophenol	ND		10	0.82	ug/L		08/22/12 22:56	08/26/12 15:23	1
Phenanthrene	ND		2.0	0.35	ug/L		08/22/12 22:56	08/26/12 15:23	1
Anthracene	ND		2.0	0.30	ug/L		08/22/12 22:56	08/26/12 15:23	1
Di-n-butyl phthalate	ND		5.1	0.38	ug/L		08/22/12 22:56	08/26/12 15:23	1
Fluoranthene	ND		2.0	0.24	ug/L		08/22/12 22:56	08/26/12 15:23	1
Pyrene	ND		2.0	0.32	ug/L		08/22/12 22:56	08/26/12 15:23	1

Client Sample Results

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

TestAmerica Job ID: 720-44097-1

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

Client Sample ID: MW-4
Date Collected: 08/21/12 13:00
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		5.1	0.31	ug/L		08/22/12 22:56	08/26/12 15:23	1
3,3'-Dichlorobenzidine	ND		5.1	0.21	ug/L		08/22/12 22:56	08/26/12 15:23	1
Benzo[a]anthracene	ND		5.1	0.66	ug/L		08/22/12 22:56	08/26/12 15:23	1
Bis(2-ethylhexyl) phthalate	ND		10	1.5	ug/L		08/22/12 22:56	08/26/12 15:23	1
Chrysene	ND		2.0	0.23	ug/L		08/22/12 22:56	08/26/12 15:23	1
Di-n-octyl phthalate	ND		5.1	0.66	ug/L		08/22/12 22:56	08/26/12 15:23	1
Benzo[b]fluoranthene	ND		2.0	0.35	ug/L		08/22/12 22:56	08/26/12 15:23	1
Benzo[a]pyrene	ND		2.0	0.25	ug/L		08/22/12 22:56	08/26/12 15:23	1
Benzo[k]fluoranthene	ND		2.0	0.32	ug/L		08/22/12 22:56	08/26/12 15:23	1
Indeno[1,2,3-cd]pyrene	ND		2.0	0.40	ug/L		08/22/12 22:56	08/26/12 15:23	1
Benzo[g,h,i]perylene	ND		2.0	0.38	ug/L		08/22/12 22:56	08/26/12 15:23	1
Benzoic acid	ND		10	1.8	ug/L		08/22/12 22:56	08/26/12 15:23	1
Azobenzene	ND		2.0	0.30	ug/L		08/22/12 22:56	08/26/12 15:23	1
Dibenz(a,h)anthracene	ND		2.0	0.41	ug/L		08/22/12 22:56	08/26/12 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	68		25 - 102	08/22/12 22:56	08/26/12 15:23	1
2-Fluorobiphenyl	56		10 - 101	08/22/12 22:56	08/26/12 15:23	1
Terphenyl-d14	75		57 - 117	08/22/12 22:56	08/26/12 15:23	1
2-Fluorophenol	19		10 - 65	08/22/12 22:56	08/26/12 15:23	1
Phenol-d5	12		10 - 46	08/22/12 22:56	08/26/12 15:23	1
2,4,6-Tribromophenol	84		18 - 123	08/22/12 22:56	08/26/12 15:23	1

Client Sample ID: MW-5
Date Collected: 08/21/12 14:20
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		2.0	0.63	ug/L		08/22/12 22:56	08/26/12 15:47	1
Bis(2-chloroethyl)ether	ND		2.0	0.30	ug/L		08/22/12 22:56	08/26/12 15:47	1
2-Chlorophenol	ND		4.0	0.39	ug/L		08/22/12 22:56	08/26/12 15:47	1
1,3-Dichlorobenzene	ND		2.0	0.21	ug/L		08/22/12 22:56	08/26/12 15:47	1
1,4-Dichlorobenzene	ND		2.0	0.27	ug/L		08/22/12 22:56	08/26/12 15:47	1
Benzyl alcohol	ND		5.1	0.22	ug/L		08/22/12 22:56	08/26/12 15:47	1
1,2-Dichlorobenzene	ND		2.0	0.26	ug/L		08/22/12 22:56	08/26/12 15:47	1
2-Methylphenol	ND		4.0	0.38	ug/L		08/22/12 22:56	08/26/12 15:47	1
4-Methylphenol	ND		8.1	0.66	ug/L		08/22/12 22:56	08/26/12 15:47	1
N-Nitrosodi-n-propylamine	ND		2.0	0.41	ug/L		08/22/12 22:56	08/26/12 15:47	1
Hexachloroethane	ND		2.0	1.0	ug/L		08/22/12 22:56	08/26/12 15:47	1
Nitrobenzene	ND		2.0	0.36	ug/L		08/22/12 22:56	08/26/12 15:47	1
Isophorone	ND		4.0	0.61	ug/L		08/22/12 22:56	08/26/12 15:47	1
2-Nitrophenol	ND		2.0	1.0	ug/L		08/22/12 22:56	08/26/12 15:47	1
2,4-Dimethylphenol	ND		3.0	2.0	ug/L		08/22/12 22:56	08/26/12 15:47	1
Bis(2-chloroethoxy)methane	ND		5.1	0.24	ug/L		08/22/12 22:56	08/26/12 15:47	1
2,4-Dichlorophenol	ND		5.1	0.29	ug/L		08/22/12 22:56	08/26/12 15:47	1
1,2,4-Trichlorobenzene	ND		2.0	0.46	ug/L		08/22/12 22:56	08/26/12 15:47	1
Naphthalene	ND		2.0	0.24	ug/L		08/22/12 22:56	08/26/12 15:47	1
4-Chloroaniline	ND		2.0	0.27	ug/L		08/22/12 22:56	08/26/12 15:47	1
Hexachlorobutadiene	ND		2.0	0.51	ug/L		08/22/12 22:56	08/26/12 15:47	1
4-Chloro-3-methylphenol	ND		5.1	0.24	ug/L		08/22/12 22:56	08/26/12 15:47	1
2-Methylnaphthalene	ND		2.0	0.23	ug/L		08/22/12 22:56	08/26/12 15:47	1
Hexachlorocyclopentadiene	ND		5.1	0.34	ug/L		08/22/12 22:56	08/26/12 15:47	1

Client Sample Results

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

TestAmerica Job ID: 720-44097-1

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

Client Sample ID: MW-5

Date Collected: 08/21/12 14:20

Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		2.0	0.51	ug/L		08/22/12 22:56	08/26/12 15:47	1
2,4,5-Trichlorophenol	ND		4.0	0.37	ug/L		08/22/12 22:56	08/26/12 15:47	1
2-Chloronaphthalene	ND		4.0	0.45	ug/L		08/22/12 22:56	08/26/12 15:47	1
2-Nitroaniline	ND		10	1.0	ug/L		08/22/12 22:56	08/26/12 15:47	1
Dimethyl phthalate	ND		5.1	0.47	ug/L		08/22/12 22:56	08/26/12 15:47	1
Acenaphthylene	ND		4.0	0.43	ug/L		08/22/12 22:56	08/26/12 15:47	1
3-Nitroaniline	ND		5.1	0.93	ug/L		08/22/12 22:56	08/26/12 15:47	1
Acenaphthene	ND		2.0	0.28	ug/L		08/22/12 22:56	08/26/12 15:47	1
2,4-Dinitrophenol	ND		10	2.0	ug/L		08/22/12 22:56	08/26/12 15:47	1
4-Nitrophenol	ND		10	2.0	ug/L		08/22/12 22:56	08/26/12 15:47	1
Dibenzofuran	ND		4.0	0.52	ug/L		08/22/12 22:56	08/26/12 15:47	1
2,4-Dinitrotoluene	ND		4.0	0.36	ug/L		08/22/12 22:56	08/26/12 15:47	1
2,6-Dinitrotoluene	ND		5.1	0.42	ug/L		08/22/12 22:56	08/26/12 15:47	1
Diethyl phthalate	ND		5.1	0.58	ug/L		08/22/12 22:56	08/26/12 15:47	1
4-Chlorophenyl phenyl ether	ND		5.1	0.38	ug/L		08/22/12 22:56	08/26/12 15:47	1
Fluorene	ND		4.0	0.49	ug/L		08/22/12 22:56	08/26/12 15:47	1
4-Nitroaniline	ND		10	2.0	ug/L		08/22/12 22:56	08/26/12 15:47	1
2-Methyl-4,6-dinitrophenol	ND		10	2.0	ug/L		08/22/12 22:56	08/26/12 15:47	1
N-Nitrosodiphenylamine	ND		2.0	0.36	ug/L		08/22/12 22:56	08/26/12 15:47	1
4-Bromophenyl phenyl ether	ND		5.1	0.28	ug/L		08/22/12 22:56	08/26/12 15:47	1
Hexachlorobenzene	ND		2.0	0.33	ug/L		08/22/12 22:56	08/26/12 15:47	1
Pentachlorophenol	ND		10	0.81	ug/L		08/22/12 22:56	08/26/12 15:47	1
Phenanthrene	ND		2.0	0.34	ug/L		08/22/12 22:56	08/26/12 15:47	1
Anthracene	ND		2.0	0.29	ug/L		08/22/12 22:56	08/26/12 15:47	1
Di-n-butyl phthalate	ND		5.1	0.37	ug/L		08/22/12 22:56	08/26/12 15:47	1
Fluoranthene	ND		2.0	0.23	ug/L		08/22/12 22:56	08/26/12 15:47	1
Pyrene	ND		2.0	0.32	ug/L		08/22/12 22:56	08/26/12 15:47	1
Butyl benzyl phthalate	ND		5.1	0.30	ug/L		08/22/12 22:56	08/26/12 15:47	1
3,3'-Dichlorobenzidine	ND		5.1	0.21	ug/L		08/22/12 22:56	08/26/12 15:47	1
Benzo[a]anthracene	ND		5.1	0.66	ug/L		08/22/12 22:56	08/26/12 15:47	1
Bis(2-ethylhexyl) phthalate	ND		10	1.5	ug/L		08/22/12 22:56	08/26/12 15:47	1
Chrysene	ND		2.0	0.23	ug/L		08/22/12 22:56	08/26/12 15:47	1
Di-n-octyl phthalate	ND		5.1	0.65	ug/L		08/22/12 22:56	08/26/12 15:47	1
Benzo[b]fluoranthene	ND		2.0	0.34	ug/L		08/22/12 22:56	08/26/12 15:47	1
Benzo[a]pyrene	ND		2.0	0.24	ug/L		08/22/12 22:56	08/26/12 15:47	1
Benzo[k]fluoranthene	ND		2.0	0.31	ug/L		08/22/12 22:56	08/26/12 15:47	1
Indeno[1,2,3-cd]pyrene	ND		2.0	0.39	ug/L		08/22/12 22:56	08/26/12 15:47	1
Benzo[g,h,i]perylene	ND		2.0	0.38	ug/L		08/22/12 22:56	08/26/12 15:47	1
Benzoic acid	ND		10	1.7	ug/L		08/22/12 22:56	08/26/12 15:47	1
Azobenzene	ND		2.0	0.30	ug/L		08/22/12 22:56	08/26/12 15:47	1
Dibenz(a,h)anthracene	ND		2.0	0.40	ug/L		08/22/12 22:56	08/26/12 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	82		25 - 102	08/22/12 22:56	08/26/12 15:47	1
2-Fluorobiphenyl	65		10 - 101	08/22/12 22:56	08/26/12 15:47	1
Terphenyl-d14	69		57 - 117	08/22/12 22:56	08/26/12 15:47	1
2-Fluorophenol	22		10 - 65	08/22/12 22:56	08/26/12 15:47	1
Phenol-d5	15		10 - 46	08/22/12 22:56	08/26/12 15:47	1
2,4,6-Tribromophenol	91		18 - 123	08/22/12 22:56	08/26/12 15:47	1

Client Sample Results

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

TestAmerica Job ID: 720-44097-1

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

Client Sample ID: MW-1
Date Collected: 08/21/12 10:00
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50	22	ug/L		08/23/12 14:01	08/26/12 05:33	1
Surrogate	%Recovery	Qualifier	Limits						
<i>p-Terphenyl</i>	86		23 - 156						
							Prepared	Analyzed	Dil Fac
							08/23/12 14:01	08/26/12 05:33	1

Client Sample ID: MW-2
Date Collected: 08/21/12 11:15
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51	22	ug/L		08/23/12 14:01	08/26/12 05:58	1
Surrogate	%Recovery	Qualifier	Limits						
<i>p-Terphenyl</i>	89		23 - 156						
							Prepared	Analyzed	Dil Fac
							08/23/12 14:01	08/26/12 05:58	1

Client Sample ID: MW-4
Date Collected: 08/21/12 13:00
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51	22	ug/L		08/23/12 14:01	08/27/12 20:45	1
Surrogate	%Recovery	Qualifier	Limits						
<i>p-Terphenyl</i>	74		23 - 156						
							Prepared	Analyzed	Dil Fac
							08/23/12 14:01	08/27/12 20:45	1

Client Sample ID: MW-5
Date Collected: 08/21/12 14:20
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51	22	ug/L		08/23/12 14:01	08/27/12 21:09	1
Surrogate	%Recovery	Qualifier	Limits						
<i>p-Terphenyl</i>	61		23 - 156						
							Prepared	Analyzed	Dil Fac
							08/23/12 14:01	08/27/12 21:09	1

Client Sample Results

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

TestAmerica Job ID: 720-44097-1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Client Sample ID: MW-1
Date Collected: 08/21/12 10:00
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50	24	ug/L		08/23/12 14:04	08/27/12 21:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.01		0 - 5				08/23/12 14:04	08/27/12 21:09	1
p-Terphenyl	57		31 - 150				08/23/12 14:04	08/27/12 21:09	1

Client Sample ID: MW-2
Date Collected: 08/21/12 11:15
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51	24	ug/L		08/23/12 14:04	08/27/12 21:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.003		0 - 5				08/23/12 14:04	08/27/12 21:33	1
p-Terphenyl	59		31 - 150				08/23/12 14:04	08/27/12 21:33	1

Client Sample ID: MW-4
Date Collected: 08/21/12 13:00
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51	24	ug/L		08/23/12 14:04	08/27/12 21:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.003		0 - 5				08/23/12 14:04	08/27/12 21:58	1
p-Terphenyl	53		31 - 150				08/23/12 14:04	08/27/12 21:58	1

Client Sample ID: MW-5
Date Collected: 08/21/12 14:20
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51	24	ug/L		08/23/12 14:04	08/27/12 22:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.0008		0 - 5				08/23/12 14:04	08/27/12 22:22	1
p-Terphenyl	48		31 - 150				08/23/12 14:04	08/27/12 22:22	1

Client Sample Results

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

TestAmerica Job ID: 720-44097-1

Method: 6010B - Metals (ICP)

Client Sample ID: MW-1
Date Collected: 08/21/12 10:00
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0023	mg/L		08/24/12 13:46	08/27/12 15:49	1

Client Sample ID: MW-2
Date Collected: 08/21/12 11:15
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0023	mg/L		08/24/12 13:46	08/27/12 15:54	1

Client Sample ID: MW-4
Date Collected: 08/21/12 13:00
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0023	mg/L		08/24/12 13:46	08/27/12 16:08	1

Client Sample ID: MW-5
Date Collected: 08/21/12 14:20
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0081		0.0050	0.0023	mg/L		08/24/12 13:46	08/27/12 16:13	1

Client Sample Results

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

TestAmerica Job ID: 720-44097-1

General Chemistry

Client Sample ID: MW-1
Date Collected: 08/21/12 10:00
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SGT-HEM	ND		5.1	1.4	mg/L		08/24/12 06:07	08/24/12 08:22	1

Client Sample ID: MW-2
Date Collected: 08/21/12 11:15
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SGT-HEM	ND		5.0	1.4	mg/L		08/24/12 06:24	08/24/12 09:05	1

Client Sample ID: MW-4
Date Collected: 08/21/12 13:00
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SGT-HEM	ND		5.1	1.4	mg/L		08/24/12 06:32	08/24/12 09:27	1

Client Sample ID: MW-5
Date Collected: 08/21/12 14:20
Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SGT-HEM	1.7	J	5.0	1.4	mg/L		08/24/12 06:41	08/24/12 09:48	1

QC Sample Results

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

TestAmerica Job ID: 720-44097-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-119576/4

Matrix: Water

Analysis Batch: 119576

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50	0.069	ug/L			08/22/12 16:38	1
Benzene	ND		0.50	0.25	ug/L			08/22/12 16:38	1
Ethylene Dibromide	ND		0.50	0.075	ug/L			08/22/12 16:38	1
1,2-Dichloroethane	ND		0.50	0.077	ug/L			08/22/12 16:38	1
Ethylbenzene	ND		0.50	0.070	ug/L			08/22/12 16:38	1
Toluene	ND		0.50	0.17	ug/L			08/22/12 16:38	1
Xylenes, Total	ND		1.0	0.49	ug/L			08/22/12 16:38	1
Gasoline Range Organics (GRO) -C5-C12	ND		50	21	ug/L			08/22/12 16:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		67 - 130		08/22/12 16:38	1
1,2-Dichloroethane-d4 (Surr)	103		75 - 138		08/22/12 16:38	1
Toluene-d8 (Surr)	101		70 - 130		08/22/12 16:38	1

Lab Sample ID: LCS 720-119576/5

Matrix: Water

Analysis Batch: 119576

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	29.2		ug/L		117	62 - 130
Benzene	25.0	27.7		ug/L		111	79 - 130
Ethylene Dibromide	25.0	27.0		ug/L		108	70 - 130
1,2-Dichloroethane	25.0	27.4		ug/L		110	61 - 132
Ethylbenzene	25.0	27.7		ug/L		111	80 - 120
Toluene	25.0	27.6		ug/L		110	78 - 120
m-Xylene & p-Xylene	50.0	56.6		ug/L		113	70 - 142
o-Xylene	25.0	29.3		ug/L		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	99		75 - 138
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: LCS 720-119576/7

Matrix: Water

Analysis Batch: 119576

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	459		ug/L		92	62 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	103		75 - 138
Toluene-d8 (Surr)	104		70 - 130

QC Sample Results

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

TestAmerica Job ID: 720-44097-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119576/6

Matrix: Water

Analysis Batch: 119576

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	28.6		ug/L		114	62 - 130	2	20
Benzene	25.0	27.6		ug/L		110	79 - 130	0	20
Ethylene Dibromide	25.0	26.4		ug/L		106	70 - 130	2	20
1,2-Dichloroethane	25.0	27.0		ug/L		108	61 - 132	2	20
Ethylbenzene	25.0	27.7		ug/L		111	80 - 120	0	20
Toluene	25.0	27.5		ug/L		110	78 - 120	0	20
m-Xylene & p-Xylene	50.0	56.3		ug/L		113	70 - 142	0	20
o-Xylene	25.0	29.4		ug/L		117	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	98		75 - 138
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: LCSD 720-119576/8

Matrix: Water

Analysis Batch: 119576

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	457		ug/L		91	62 - 120	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	104		67 - 130
1,2-Dichloroethane-d4 (Surr)	105		75 - 138
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: 720-44097-4 MS

Matrix: Water

Analysis Batch: 119576

Client Sample ID: MW-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	0.17	J	25.0	29.5		ug/L		117	60 - 138
Benzene	ND		25.0	26.5		ug/L		106	60 - 140
Ethylene Dibromide	ND		25.0	26.1		ug/L		105	60 - 140
1,2-Dichloroethane	ND		25.0	26.6		ug/L		106	60 - 140
Ethylbenzene	ND		25.0	26.0		ug/L		104	60 - 140
Toluene	ND		25.0	26.2		ug/L		105	60 - 140
m-Xylene & p-Xylene	ND		50.0	52.3		ug/L		105	60 - 140
o-Xylene	ND		25.0	27.9		ug/L		112	60 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	99		75 - 138
Toluene-d8 (Surr)	103		70 - 130

QC Sample Results

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

TestAmerica Job ID: 720-44097-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-44097-4 MSD

Matrix: Water

Analysis Batch: 119576

Client Sample ID: MW-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	0.17	J	25.0	28.6		ug/L		114	60 - 138	3	20
Benzene	ND		25.0	26.6		ug/L		106	60 - 140	0	20
Ethylene Dibromide	ND		25.0	25.2		ug/L		101	60 - 140	4	20
1,2-Dichloroethane	ND		25.0	26.0		ug/L		104	60 - 140	2	20
Ethylbenzene	ND		25.0	25.9		ug/L		104	60 - 140	0	20
Toluene	ND		25.0	26.4		ug/L		106	60 - 140	1	20
m-Xylene & p-Xylene	ND		50.0	52.4		ug/L		105	60 - 140	0	20
o-Xylene	ND		25.0	28.0		ug/L		112	60 - 140	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	98		75 - 138
Toluene-d8 (Surr)	103		70 - 130

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

Lab Sample ID: MB 720-119618/1-A

Matrix: Water

Analysis Batch: 119774

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119618

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		2.0	0.62	ug/L		08/22/12 22:56	08/26/12 14:59	1
Bis(2-chloroethyl)ether	ND		2.0	0.30	ug/L		08/22/12 22:56	08/26/12 14:59	1
2-Chlorophenol	ND		4.0	0.39	ug/L		08/22/12 22:56	08/26/12 14:59	1
1,3-Dichlorobenzene	ND		2.0	0.21	ug/L		08/22/12 22:56	08/26/12 14:59	1
1,4-Dichlorobenzene	ND		2.0	0.27	ug/L		08/22/12 22:56	08/26/12 14:59	1
Benzyl alcohol	ND		5.0	0.22	ug/L		08/22/12 22:56	08/26/12 14:59	1
1,2-Dichlorobenzene	ND		2.0	0.26	ug/L		08/22/12 22:56	08/26/12 14:59	1
2-Methylphenol	ND		4.0	0.38	ug/L		08/22/12 22:56	08/26/12 14:59	1
4-Methylphenol	ND		8.0	0.65	ug/L		08/22/12 22:56	08/26/12 14:59	1
N-Nitrosodi-n-propylamine	ND		2.0	0.40	ug/L		08/22/12 22:56	08/26/12 14:59	1
Hexachloroethane	ND		2.0	0.99	ug/L		08/22/12 22:56	08/26/12 14:59	1
Nitrobenzene	ND		2.0	0.36	ug/L		08/22/12 22:56	08/26/12 14:59	1
Isophorone	ND		4.0	0.60	ug/L		08/22/12 22:56	08/26/12 14:59	1
2-Nitrophenol	ND		2.0	0.99	ug/L		08/22/12 22:56	08/26/12 14:59	1
2,4-Dimethylphenol	ND		3.0	1.9	ug/L		08/22/12 22:56	08/26/12 14:59	1
Bis(2-chloroethoxy)methane	ND		5.0	0.23	ug/L		08/22/12 22:56	08/26/12 14:59	1
2,4-Dichlorophenol	ND		5.0	0.29	ug/L		08/22/12 22:56	08/26/12 14:59	1
1,2,4-Trichlorobenzene	ND		2.0	0.45	ug/L		08/22/12 22:56	08/26/12 14:59	1
Naphthalene	ND		2.0	0.24	ug/L		08/22/12 22:56	08/26/12 14:59	1
4-Chloroaniline	ND		2.0	0.27	ug/L		08/22/12 22:56	08/26/12 14:59	1
Hexachlorobutadiene	ND		2.0	0.51	ug/L		08/22/12 22:56	08/26/12 14:59	1
4-Chloro-3-methylphenol	ND		5.0	0.23	ug/L		08/22/12 22:56	08/26/12 14:59	1
2-Methylnaphthalene	ND		2.0	0.23	ug/L		08/22/12 22:56	08/26/12 14:59	1
Hexachlorocyclopentadiene	ND		5.0	0.34	ug/L		08/22/12 22:56	08/26/12 14:59	1
2,4,6-Trichlorophenol	ND		2.0	0.51	ug/L		08/22/12 22:56	08/26/12 14:59	1
2,4,5-Trichlorophenol	ND		4.0	0.37	ug/L		08/22/12 22:56	08/26/12 14:59	1
2-Chloronaphthalene	ND		4.0	0.45	ug/L		08/22/12 22:56	08/26/12 14:59	1
2-Nitroaniline	ND		10	1.0	ug/L		08/22/12 22:56	08/26/12 14:59	1

QC Sample Results

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

TestAmerica Job ID: 720-44097-1

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

Lab Sample ID: MB 720-119618/1-A

Matrix: Water

Analysis Batch: 119774

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119618

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dimethyl phthalate	ND		5.0	0.46	ug/L		08/22/12 22:56	08/26/12 14:59	1
Acenaphthylene	ND		4.0	0.43	ug/L		08/22/12 22:56	08/26/12 14:59	1
3-Nitroaniline	ND		5.0	0.92	ug/L		08/22/12 22:56	08/26/12 14:59	1
Acenaphthene	ND		2.0	0.28	ug/L		08/22/12 22:56	08/26/12 14:59	1
2,4-Dinitrophenol	ND		10	2.0	ug/L		08/22/12 22:56	08/26/12 14:59	1
4-Nitrophenol	ND		10	2.0	ug/L		08/22/12 22:56	08/26/12 14:59	1
Dibenzofuran	ND		4.0	0.51	ug/L		08/22/12 22:56	08/26/12 14:59	1
2,4-Dinitrotoluene	ND		4.0	0.36	ug/L		08/22/12 22:56	08/26/12 14:59	1
2,6-Dinitrotoluene	ND		5.0	0.42	ug/L		08/22/12 22:56	08/26/12 14:59	1
Diethyl phthalate	ND		5.0	0.57	ug/L		08/22/12 22:56	08/26/12 14:59	1
4-Chlorophenyl phenyl ether	ND		5.0	0.38	ug/L		08/22/12 22:56	08/26/12 14:59	1
Fluorene	ND		4.0	0.49	ug/L		08/22/12 22:56	08/26/12 14:59	1
4-Nitroaniline	ND		10	2.0	ug/L		08/22/12 22:56	08/26/12 14:59	1
2-Methyl-4,6-dinitrophenol	ND		10	2.0	ug/L		08/22/12 22:56	08/26/12 14:59	1
N-Nitrosodiphenylamine	ND		2.0	0.36	ug/L		08/22/12 22:56	08/26/12 14:59	1
4-Bromophenyl phenyl ether	ND		5.0	0.27	ug/L		08/22/12 22:56	08/26/12 14:59	1
Hexachlorobenzene	ND		2.0	0.32	ug/L		08/22/12 22:56	08/26/12 14:59	1
Pentachlorophenol	ND		10	0.80	ug/L		08/22/12 22:56	08/26/12 14:59	1
Phenanthrene	ND		2.0	0.34	ug/L		08/22/12 22:56	08/26/12 14:59	1
Anthracene	ND		2.0	0.29	ug/L		08/22/12 22:56	08/26/12 14:59	1
Di-n-butyl phthalate	ND		5.0	0.37	ug/L		08/22/12 22:56	08/26/12 14:59	1
Fluoranthene	ND		2.0	0.23	ug/L		08/22/12 22:56	08/26/12 14:59	1
Pyrene	ND		2.0	0.32	ug/L		08/22/12 22:56	08/26/12 14:59	1
Butyl benzyl phthalate	ND		5.0	0.30	ug/L		08/22/12 22:56	08/26/12 14:59	1
3,3'-Dichlorobenzidine	ND		5.0	0.21	ug/L		08/22/12 22:56	08/26/12 14:59	1
Benzo[a]anthracene	ND		5.0	0.65	ug/L		08/22/12 22:56	08/26/12 14:59	1
Bis(2-ethylhexyl) phthalate	ND		10	1.5	ug/L		08/22/12 22:56	08/26/12 14:59	1
Chrysene	ND		2.0	0.23	ug/L		08/22/12 22:56	08/26/12 14:59	1
Di-n-octyl phthalate	ND		5.0	0.64	ug/L		08/22/12 22:56	08/26/12 14:59	1
Benzo[b]fluoranthene	ND		2.0	0.34	ug/L		08/22/12 22:56	08/26/12 14:59	1
Benzo[a]pyrene	ND		2.0	0.24	ug/L		08/22/12 22:56	08/26/12 14:59	1
Benzo[k]fluoranthene	ND		2.0	0.31	ug/L		08/22/12 22:56	08/26/12 14:59	1
Indeno[1,2,3-cd]pyrene	ND		2.0	0.39	ug/L		08/22/12 22:56	08/26/12 14:59	1
Benzo[g,h,i]perylene	ND		2.0	0.38	ug/L		08/22/12 22:56	08/26/12 14:59	1
Benzoic acid	ND		10	1.7	ug/L		08/22/12 22:56	08/26/12 14:59	1
Azobenzene	ND		2.0	0.30	ug/L		08/22/12 22:56	08/26/12 14:59	1
Dibenz(a,h)anthracene	ND		2.0	0.40	ug/L		08/22/12 22:56	08/26/12 14:59	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5	82		25 - 102	08/22/12 22:56	08/26/12 14:59	1
2-Fluorobiphenyl	66		10 - 101	08/22/12 22:56	08/26/12 14:59	1
Terphenyl-d14	75		57 - 117	08/22/12 22:56	08/26/12 14:59	1
2-Fluorophenol	28		10 - 65	08/22/12 22:56	08/26/12 14:59	1
Phenol-d5	20		10 - 46	08/22/12 22:56	08/26/12 14:59	1
2,4,6-Tribromophenol	88		18 - 123	08/22/12 22:56	08/26/12 14:59	1

QC Sample Results

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

TestAmerica Job ID: 720-44097-1

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

Lab Sample ID: LCS 720-119618/2-A

Matrix: Water

Analysis Batch: 119774

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	50.0	13.4		ug/L		27	10 - 115
Bis(2-chloroethyl)ether	50.0	30.7		ug/L		61	12 - 115
2-Chlorophenol	50.0	26.8		ug/L		54	14 - 115
1,3-Dichlorobenzene	50.0	28.1		ug/L		56	13 - 115
1,4-Dichlorobenzene	50.0	27.3		ug/L		55	14 - 115
Benzyl alcohol	50.0	22.7		ug/L		45	19 - 115
1,2-Dichlorobenzene	50.0	28.2		ug/L		56	17 - 115
2-Methylphenol	50.0	24.4		ug/L		49	13 - 115
4-Methylphenol	100	37.4		ug/L		37	10 - 115
N-Nitrosodi-n-propylamine	50.0	30.1		ug/L		60	17 - 115
Hexachloroethane	50.0	26.8		ug/L		54	9 - 115
Nitrobenzene	50.0	37.1		ug/L		74	18 - 115
Isophorone	50.0	31.9		ug/L		64	18 - 134
2-Nitrophenol	50.0	44.0		ug/L		88	14 - 115
2,4-Dimethylphenol	50.0	31.4		ug/L		63	10 - 119
Bis(2-chloroethoxy)methane	50.0	30.0		ug/L		60	10 - 119
2,4-Dichlorophenol	50.0	32.4		ug/L		65	13 - 118
1,2,4-Trichlorobenzene	50.0	30.7		ug/L		61	17 - 115
Naphthalene	50.0	29.6		ug/L		59	12 - 115
4-Chloroaniline	50.0	30.3		ug/L		61	26 - 115
Hexachlorobutadiene	50.0	31.1		ug/L		62	12 - 115
4-Chloro-3-methylphenol	50.0	34.6		ug/L		69	19 - 128
2-Methylnaphthalene	50.0	30.6		ug/L		61	16 - 115
Hexachlorocyclopentadiene	50.0	31.2		ug/L		62	10 - 115
2,4,6-Trichlorophenol	50.0	36.5		ug/L		73	20 - 120
2,4,5-Trichlorophenol	50.0	38.0		ug/L		76	22 - 117
2-Chloronaphthalene	50.0	32.1		ug/L		64	17 - 115
2-Nitroaniline	50.0	45.6		ug/L		91	37 - 119
Dimethyl phthalate	50.0	39.4		ug/L		79	48 - 127
Acenaphthylene	50.0	36.0		ug/L		72	29 - 129
3-Nitroaniline	50.0	47.0		ug/L		94	40 - 115
Acenaphthene	50.0	34.1		ug/L		68	25 - 115
2,4-Dinitrophenol	50.0	56.9		ug/L		114	44 - 116
4-Nitrophenol	50.0	18.0		ug/L		36	20 - 115
Dibenzofuran	50.0	35.1		ug/L		70	28 - 115
2,4-Dinitrotoluene	50.0	56.2		ug/L		112	61 - 118
2,6-Dinitrotoluene	50.0	54.6		ug/L		109	46 - 119
Diethyl phthalate	50.0	40.8		ug/L		82	59 - 115
4-Chlorophenyl phenyl ether	50.0	37.6		ug/L		75	32 - 115
Fluorene	50.0	37.3		ug/L		75	39 - 115
4-Nitroaniline	50.0	43.6		ug/L		87	67 - 115
2-Methyl-4,6-dinitrophenol	50.0	56.7		ug/L		113	53 - 115
N-Nitrosodiphenylamine	50.0	39.5		ug/L		79	57 - 115
4-Bromophenyl phenyl ether	50.0	41.6		ug/L		83	42 - 115
Hexachlorobenzene	50.0	44.1		ug/L		88	49 - 115
Pentachlorophenol	50.0	34.5		ug/L		69	54 - 115
Phenanthrene	50.0	40.8		ug/L		82	54 - 115
Anthracene	50.0	41.0		ug/L		82	54 - 115
Di-n-butyl phthalate	50.0	40.4		ug/L		81	58 - 115

QC Sample Results

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

TestAmerica Job ID: 720-44097-1

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

Lab Sample ID: LCS 720-119618/2-A

Matrix: Water

Analysis Batch: 119774

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	50.0	41.2		ug/L		82	65 - 115
Pyrene	50.0	41.4		ug/L		83	64 - 122
Butyl benzyl phthalate	50.0	42.8		ug/L		86	37 - 115
3,3'-Dichlorobenzidine	50.0	39.0		ug/L		78	24 - 110
Benzo[a]anthracene	50.0	43.5		ug/L		87	63 - 116
Bis(2-ethylhexyl) phthalate	50.0	45.7		ug/L		91	59 - 115
Chrysene	50.0	45.6		ug/L		91	70 - 115
Di-n-octyl phthalate	50.0	45.8		ug/L		92	12 - 115
Benzo[b]fluoranthene	50.0	42.4		ug/L		85	66 - 115
Benzo[a]pyrene	50.0	40.3		ug/L		81	62 - 121
Benzo[k]fluoranthene	50.0	43.3		ug/L		87	66 - 115
Indeno[1,2,3-cd]pyrene	50.0	42.0		ug/L		84	68 - 115
Benzo[g,h,i]perylene	50.0	42.9		ug/L		86	67 - 128
Benzoic acid	50.0	10.6		ug/L		21	10 - 115
Azobenzene	50.0	36.5		ug/L		73	42 - 115
Dibenz(a,h)anthracene	50.0	43.0		ug/L		86	65 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	81		25 - 102
2-Fluorobiphenyl	64		10 - 101
Terphenyl-d14	86		57 - 117
2-Fluorophenol	29		10 - 65
Phenol-d5	20		10 - 46
2,4,6-Tribromophenol	99		18 - 123

Lab Sample ID: LCSD 720-119618/3-A

Matrix: Water

Analysis Batch: 119774

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119618

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Phenol	50.0	11.2		ug/L		22	10 - 115	18	51
Bis(2-chloroethyl)ether	50.0	26.5		ug/L		53	12 - 115	15	35
2-Chlorophenol	50.0	23.4		ug/L		47	14 - 115	14	40
1,3-Dichlorobenzene	50.0	23.8		ug/L		48	13 - 115	17	40
1,4-Dichlorobenzene	50.0	25.2		ug/L		50	14 - 115	8	41
Benzyl alcohol	50.0	21.4		ug/L		43	19 - 115	6	35
1,2-Dichlorobenzene	50.0	25.0		ug/L		50	17 - 115	12	35
2-Methylphenol	50.0	21.7		ug/L		43	13 - 115	11	35
4-Methylphenol	100	33.2		ug/L		33	10 - 115	12	35
N-Nitrosodi-n-propylamine	50.0	28.0		ug/L		56	17 - 115	7	34
Hexachloroethane	50.0	24.0		ug/L		48	9 - 115	11	35
Nitrobenzene	50.0	32.9		ug/L		66	18 - 115	12	43
Isophorone	50.0	29.3		ug/L		59	18 - 134	8	39
2-Nitrophenol	50.0	39.1		ug/L		78	14 - 115	12	46
2,4-Dimethylphenol	50.0	29.1		ug/L		58	10 - 119	7	44
Bis(2-chloroethoxy)methane	50.0	27.6		ug/L		55	10 - 119	8	46
2,4-Dichlorophenol	50.0	28.9		ug/L		58	13 - 118	12	38
1,2,4-Trichlorobenzene	50.0	27.4		ug/L		55	17 - 115	11	51
Naphthalene	50.0	26.8		ug/L		54	12 - 115	10	42

QC Sample Results

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

TestAmerica Job ID: 720-44097-1

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

Lab Sample ID: LCSD 720-119618/3-A

Matrix: Water

Analysis Batch: 119774

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119618

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD
							Limits	RPD	Limit
4-Chloroaniline	50.0	29.6		ug/L		59	26 - 115	2	49
Hexachlorobutadiene	50.0	28.2		ug/L		56	12 - 115	10	46
4-Chloro-3-methylphenol	50.0	33.4		ug/L		67	19 - 128	3	40
2-Methylnaphthalene	50.0	27.8		ug/L		56	16 - 115	9	45
Hexachlorocyclopentadiene	50.0	29.1		ug/L		58	10 - 115	7	63
2,4,6-Trichlorophenol	50.0	34.0		ug/L		68	20 - 120	7	43
2,4,5-Trichlorophenol	50.0	37.2		ug/L		74	22 - 117	2	41
2-Chloronaphthalene	50.0	29.9		ug/L		60	17 - 115	7	49
2-Nitroaniline	50.0	43.8		ug/L		88	37 - 119	4	29
Dimethyl phthalate	50.0	37.3		ug/L		75	48 - 127	5	29
Acenaphthylene	50.0	34.1		ug/L		68	29 - 129	5	40
3-Nitroaniline	50.0	45.8		ug/L		92	40 - 115	3	30
Acenaphthene	50.0	32.4		ug/L		65	25 - 115	5	40
2,4-Dinitrophenol	50.0	54.3		ug/L		109	44 - 116	5	21
4-Nitrophenol	50.0	16.5		ug/L		33	20 - 115	9	32
Dibenzofuran	50.0	33.9		ug/L		68	28 - 115	4	46
2,4-Dinitrotoluene	50.0	53.4		ug/L		107	61 - 118	5	19
2,6-Dinitrotoluene	50.0	53.1		ug/L		106	46 - 119	3	26
Diethyl phthalate	50.0	39.6		ug/L		79	59 - 115	3	24
4-Chlorophenyl phenyl ether	50.0	36.8		ug/L		74	32 - 115	2	38
Fluorene	50.0	36.4		ug/L		73	39 - 115	2	39
4-Nitroaniline	50.0	40.7		ug/L		81	67 - 115	7	23
2-Methyl-4,6-dinitrophenol	50.0	56.5		ug/L		113	53 - 115	0	19
N-Nitrosodiphenylamine	50.0	36.2		ug/L		72	57 - 115	9	27
4-Bromophenyl phenyl ether	50.0	38.8		ug/L		78	42 - 115	7	29
Hexachlorobenzene	50.0	42.7		ug/L		85	49 - 115	3	28
Pentachlorophenol	50.0	35.6		ug/L		71	54 - 115	3	22
Phenanthrene	50.0	38.7		ug/L		77	54 - 115	5	35
Anthracene	50.0	39.2		ug/L		78	54 - 115	4	25
Di-n-butyl phthalate	50.0	38.2		ug/L		76	58 - 115	6	26
Fluoranthene	50.0	39.4		ug/L		79	65 - 115	4	26
Pyrene	50.0	39.1		ug/L		78	64 - 122	6	22
Butyl benzyl phthalate	50.0	40.9		ug/L		82	37 - 115	5	21
3,3'-Dichlorobenzidine	50.0	37.8		ug/L		76	24 - 110	3	30
Benzo[a]anthracene	50.0	41.7		ug/L		83	63 - 116	4	24
Bis(2-ethylhexyl) phthalate	50.0	43.4		ug/L		87	59 - 115	5	30
Chrysene	50.0	42.8		ug/L		86	70 - 115	6	24
Di-n-octyl phthalate	50.0	43.6		ug/L		87	12 - 115	5	27
Benzo[b]fluoranthene	50.0	38.0		ug/L		76	66 - 115	11	31
Benzo[a]pyrene	50.0	38.6		ug/L		77	62 - 121	4	23
Benzo[k]fluoranthene	50.0	42.0		ug/L		84	66 - 115	3	39
Indeno[1,2,3-cd]pyrene	50.0	39.3		ug/L		79	68 - 115	7	19
Benzo[g,h,i]perylene	50.0	40.5		ug/L		81	67 - 128	6	35
Benzoic acid	50.0	12.2		ug/L		24	10 - 115	14	56
Azobenzene	50.0	35.7		ug/L		71	42 - 115	2	35
Dibenz(a,h)anthracene	50.0	40.1		ug/L		80	65 - 121	7	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	75		25 - 102

QC Sample Results

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

TestAmerica Job ID: 720-44097-1

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

Lab Sample ID: LCSD 720-119618/3-A
Matrix: Water
Analysis Batch: 119774

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119618

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	61		10 - 101
Terphenyl-d14	83		57 - 117
2-Fluorophenol	25		10 - 65
Phenol-d5	17		10 - 46
2,4,6-Tribromophenol	98		18 - 123

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

Lab Sample ID: MB 720-119651/1-A
Matrix: Water
Analysis Batch: 119778

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119651

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50	22	ug/L		08/23/12 14:01	08/27/12 14:36	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
p-Terphenyl	91		23 - 156	08/23/12 14:01	08/27/12 14:36	1

Lab Sample ID: LCS 720-119651/2-A
Matrix: Water
Analysis Batch: 119778

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119651

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Diesel Range Organics [C10-C28]	2500	1500		ug/L		60	40 - 150

Surrogate	LCS		Limits
	%Recovery	Qualifier	
p-Terphenyl	83		23 - 156

Lab Sample ID: LCSD 720-119651/3-A
Matrix: Water
Analysis Batch: 119778

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119651

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
		Result	Qualifier						
Diesel Range Organics [C10-C28]	2500	1570		ug/L		63	40 - 150	4	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
p-Terphenyl	86		23 - 156

Lab Sample ID: MB 720-119652/1-A
Matrix: Water
Analysis Batch: 119781

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 119652

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50	24	ug/L		08/23/12 14:04	08/28/12 03:39	1

QC Sample Results

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

TestAmerica Job ID: 720-44097-1

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

Lab Sample ID: MB 720-119652/1-A
Matrix: Water
Analysis Batch: 119781

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 119652

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Capric Acid (Surr)	0.01		0 - 5	08/23/12 14:04	08/28/12 03:39	1
p-Terphenyl	90		31 - 150	08/23/12 14:04	08/28/12 03:39	1

Lab Sample ID: LCS 720-119652/2-A
Matrix: Water
Analysis Batch: 119781

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 119652

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							RPD	Limit
Diesel Range Organics [C10-C28]	2500	1280		ug/L		51	32 - 119	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
p-Terphenyl	76		31 - 150

Lab Sample ID: LCSD 720-119652/3-A
Matrix: Water
Analysis Batch: 119781

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 119652

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
							RPD	Limit		
Diesel Range Organics [C10-C28]	2500	1310		ug/L		53	32 - 119	3	35	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
p-Terphenyl	72		31 - 150

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-119721/1-A
Matrix: Water
Analysis Batch: 119845

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119721

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		0.0050	0.0023	mg/L		08/24/12 13:46	08/27/12 15:12	1

Lab Sample ID: LCS 720-119721/2-A
Matrix: Water
Analysis Batch: 119845

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119721

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							RPD	Limit
Lead	1.00	1.19		mg/L		119	80 - 120	

Lab Sample ID: LCSD 720-119721/3-A
Matrix: Water
Analysis Batch: 119845

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119721

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
							RPD	Limit		
Lead	1.00	0.987		mg/L		99	80 - 120	19	20	

QC Sample Results

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

TestAmerica Job ID: 720-44097-1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: LCS 500-160437/2-A
 Matrix: Water
 Analysis Batch: 160440

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 160437

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM (Oil & Grease)	40.0	36.8		mg/L		92	78 - 114

Lab Sample ID: 720-44097-1 MS
 Matrix: Water
 Analysis Batch: 160440

Client Sample ID: MW-1
 Prep Type: Total/NA
 Prep Batch: 160437

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM (Oil & Grease)	ND		40.2	32.6		mg/L		81	78 - 114

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Association Summary

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

TestAmerica Job ID: 720-44097-1

GC/MS VOA

Analysis Batch: 119576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44097-1	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
720-44097-2	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
720-44097-3	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
720-44097-4	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
720-44097-4 MS	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
720-44097-4 MSD	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
720-44097-5	TAL-SF-TB	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119576/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119576/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119576/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119576/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-119576/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC/MS Semi VOA

Prep Batch: 119618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44097-1	MW-1	Total/NA	Water	3510C	
720-44097-2	MW-2	Total/NA	Water	3510C	
720-44097-3	MW-4	Total/NA	Water	3510C	
720-44097-4	MW-5	Total/NA	Water	3510C	
LCS 720-119618/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 720-119618/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 720-119618/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 119766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44097-1	MW-1	Total/NA	Water	8270C	119618
720-44097-2	MW-2	Total/NA	Water	8270C	119618

Analysis Batch: 119774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44097-3	MW-4	Total/NA	Water	8270C	119618
720-44097-4	MW-5	Total/NA	Water	8270C	119618
LCS 720-119618/2-A	Lab Control Sample	Total/NA	Water	8270C	119618
LCSD 720-119618/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	119618
MB 720-119618/1-A	Method Blank	Total/NA	Water	8270C	119618

GC Semi VOA

Prep Batch: 119651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44097-1	MW-1	Total/NA	Water	3510C	

QC Association Summary

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

TestAmerica Job ID: 720-44097-1

GC Semi VOA (Continued)

Prep Batch: 119651 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44097-2	MW-2	Total/NA	Water	3510C	
720-44097-3	MW-4	Total/NA	Water	3510C	
720-44097-4	MW-5	Total/NA	Water	3510C	
LCS 720-119651/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 720-119651/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 720-119651/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 119652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44097-1	MW-1	Silica Gel Cleanup	Water	3510C SGC	
720-44097-2	MW-2	Silica Gel Cleanup	Water	3510C SGC	
720-44097-3	MW-4	Silica Gel Cleanup	Water	3510C SGC	
720-44097-4	MW-5	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-119652/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-119652/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 720-119652/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 119762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44097-1	MW-1	Total/NA	Water	8015B	119651
720-44097-2	MW-2	Total/NA	Water	8015B	119651

Analysis Batch: 119778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44097-3	MW-4	Total/NA	Water	8015B	119651
720-44097-4	MW-5	Total/NA	Water	8015B	119651
LCS 720-119651/2-A	Lab Control Sample	Total/NA	Water	8015B	119651
LCS 720-119651/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	119651
MB 720-119651/1-A	Method Blank	Total/NA	Water	8015B	119651

Analysis Batch: 119781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44097-1	MW-1	Silica Gel Cleanup	Water	8015B	119652
720-44097-2	MW-2	Silica Gel Cleanup	Water	8015B	119652
720-44097-3	MW-4	Silica Gel Cleanup	Water	8015B	119652
720-44097-4	MW-5	Silica Gel Cleanup	Water	8015B	119652
LCS 720-119652/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	119652
LCS 720-119652/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	119652
MB 720-119652/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	119652

Metals

Prep Batch: 119721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44097-1	MW-1	Total/NA	Water	3010A	
720-44097-2	MW-2	Total/NA	Water	3010A	
720-44097-3	MW-4	Total/NA	Water	3010A	
720-44097-4	MW-5	Total/NA	Water	3010A	
LCS 720-119721/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCS 720-119721/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
MB 720-119721/1-A	Method Blank	Total/NA	Water	3010A	

QC Association Summary

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

TestAmerica Job ID: 720-44097-1

Metals (Continued)

Analysis Batch: 119845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44097-1	MW-1	Total/NA	Water	6010B	119721
720-44097-2	MW-2	Total/NA	Water	6010B	119721
720-44097-3	MW-4	Total/NA	Water	6010B	119721
720-44097-4	MW-5	Total/NA	Water	6010B	119721
LCS 720-119721/2-A	Lab Control Sample	Total/NA	Water	6010B	119721
LCSD 720-119721/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	119721
MB 720-119721/1-A	Method Blank	Total/NA	Water	6010B	119721

General Chemistry

Prep Batch: 160437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44097-1	MW-1	Total/NA	Water	1664A	
720-44097-1 MS	MW-1	Total/NA	Water	1664A	
720-44097-2	MW-2	Total/NA	Water	1664A	
720-44097-3	MW-4	Total/NA	Water	1664A	
720-44097-4	MW-5	Total/NA	Water	1664A	
LCS 500-160437/2-A	Lab Control Sample	Total/NA	Water	1664A	
MB 500-160437/1-A	Method Blank	Total/NA	Water	1664A	

Analysis Batch: 160440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44097-1	MW-1	Total/NA	Water	1664A	160437
720-44097-1 MS	MW-1	Total/NA	Water	1664A	160437
720-44097-2	MW-2	Total/NA	Water	1664A	160437
720-44097-3	MW-4	Total/NA	Water	1664A	160437
720-44097-4	MW-5	Total/NA	Water	1664A	160437
LCS 500-160437/2-A	Lab Control Sample	Total/NA	Water	1664A	160437
MB 500-160437/1-A	Method Blank	Total/NA	Water	1664A	160437

Lab Chronicle

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

TestAmerica Job ID: 720-44097-1

Client Sample ID: MW-1

Lab Sample ID: 720-44097-1

Date Collected: 08/21/12 10:00

Matrix: Water

Date Received: 08/21/12 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	119576	08/22/12 22:29	AC	TAL SF
Total/NA	Prep	3510C			119618	08/22/12 22:56	RU	TAL SF
Total/NA	Analysis	8270C		1	119766	08/26/12 04:54	ML	TAL SF
Total/NA	Prep	3510C			119651	08/23/12 14:01	RU	TAL SF
Total/NA	Analysis	8015B		1	119762	08/26/12 05:33	JZ	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			119652	08/23/12 14:04	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	119781	08/27/12 21:09	DH	TAL SF
Total/NA	Prep	3010A			119721	08/24/12 13:46	JR	TAL SF
Total/NA	Analysis	6010B		1	119845	08/27/12 15:49	BA	TAL SF
Total/NA	Prep	1664A			160437	08/24/12 06:07	MTB	TAL CHI
Total/NA	Analysis	1664A		1	160440	08/24/12 08:22	MTB	TAL CHI

Client Sample ID: MW-2

Lab Sample ID: 720-44097-2

Date Collected: 08/21/12 11:15

Matrix: Water

Date Received: 08/21/12 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	119576	08/22/12 22:58	AC	TAL SF
Total/NA	Prep	3510C			119618	08/22/12 22:56	RU	TAL SF
Total/NA	Analysis	8270C		1	119766	08/26/12 05:18	ML	TAL SF
Total/NA	Prep	3510C			119651	08/23/12 14:01	RU	TAL SF
Total/NA	Analysis	8015B		1	119762	08/26/12 05:58	JZ	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			119652	08/23/12 14:04	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	119781	08/27/12 21:33	DH	TAL SF
Total/NA	Prep	3010A			119721	08/24/12 13:46	JR	TAL SF
Total/NA	Analysis	6010B		1	119845	08/27/12 15:54	BA	TAL SF
Total/NA	Prep	1664A			160437	08/24/12 06:24	MTB	TAL CHI
Total/NA	Analysis	1664A		1	160440	08/24/12 09:05	MTB	TAL CHI

Client Sample ID: MW-4

Lab Sample ID: 720-44097-3

Date Collected: 08/21/12 13:00

Matrix: Water

Date Received: 08/21/12 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	119576	08/22/12 23:27	AC	TAL SF
Total/NA	Prep	3510C			119618	08/22/12 22:56	RU	TAL SF
Total/NA	Analysis	8270C		1	119774	08/26/12 15:23	ML	TAL SF
Total/NA	Prep	3510C			119651	08/23/12 14:01	RU	TAL SF
Total/NA	Analysis	8015B		1	119778	08/27/12 20:45	DH	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			119652	08/23/12 14:04	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	119781	08/27/12 21:58	DH	TAL SF
Total/NA	Prep	3010A			119721	08/24/12 13:46	JR	TAL SF
Total/NA	Analysis	6010B		1	119845	08/27/12 16:08	BA	TAL SF
Total/NA	Prep	1664A			160437	08/24/12 06:32	MTB	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 720-44097-1

Client Sample ID: MW-4

Date Collected: 08/21/12 13:00

Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	1664A		1	160440	08/24/12 09:27	MTB	TAL CHI

Client Sample ID: MW-5

Date Collected: 08/21/12 14:20

Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	119576	08/22/12 22:00	AC	TAL SF
Total/NA	Prep	3510C			119618	08/22/12 22:56	RU	TAL SF
Total/NA	Analysis	8270C		1	119774	08/26/12 15:47	ML	TAL SF
Total/NA	Prep	3510C			119651	08/23/12 14:01	RU	TAL SF
Total/NA	Analysis	8015B		1	119778	08/27/12 21:09	DH	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			119652	08/23/12 14:04	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	119781	08/27/12 22:22	DH	TAL SF
Total/NA	Prep	3010A			119721	08/24/12 13:46	JR	TAL SF
Total/NA	Analysis	6010B		1	119845	08/27/12 16:13	BA	TAL SF
Total/NA	Prep	1664A			160437	08/24/12 06:41	MTB	TAL CHI
Total/NA	Analysis	1664A		1	160440	08/24/12 09:48	MTB	TAL CHI

Client Sample ID: TAL-SF-TB

Date Collected: 08/21/12 00:00

Date Received: 08/21/12 16:21

Lab Sample ID: 720-44097-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	119576	08/22/12 23:56	AC	TAL SF

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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

Certification Summary

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

TestAmerica Job ID: 720-44097-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-13
California	NELAC	9	01132CA	04-30-13
Georgia	State Program	4	N/A	04-30-13
Georgia	State Program	4	939	04-30-13
Hawaii	State Program	9	N/A	04-30-13
Illinois	NELAC	5	100201	04-30-13
Indiana	State Program	5	C-IL-02	04-30-13
Iowa	State Program	7	82	05-01-14
Kansas	NELAC	7	E-10161	10-31-12
Kentucky	State Program	4	90023	12-31-12
Kentucky (UST)	State Program	4	66	04-11-13
L-A-B	DoD ELAP		L2304	01-06-13
L-A-B	ISO/IEC 17025		L2304	01-06-13
Louisiana	NELAC	6	30720	06-30-13
Massachusetts	State Program	1	M-IL035	06-30-13
Mississippi	State Program	4	N/A	04-30-13
North Carolina DENR	State Program	4	291	12-31-12
North Dakota	State Program	8	R-194	04-30-13
Oklahoma	State Program	6	8908	08-31-12
South Carolina	State Program	4	77001	04-30-12
Texas	NELAC	6	T104704252-09-TX	02-28-13
USDA	Federal		P330-12-00038	02-06-15
Virginia	NELAC	3	460142	06-14-13
Wisconsin	State Program	5	999580010	08-31-12
Wyoming	State Program	8	8TMS-Q	04-30-13

Method Summary

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

TestAmerica Job ID: 720-44097-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL SF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF
6010B	Metals (ICP)	SW846	TAL SF
1664A	HEM and SGT-HEM	1664A	TAL CHI

Protocol References:

1664A = EPA-821-98-002

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

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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



Sample Summary

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

TestAmerica Job ID: 720-44097-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44097-1	MW-1	Water	08/21/12 10:00	08/21/12 16:21
720-44097-2	MW-2	Water	08/21/12 11:15	08/21/12 16:21
720-44097-3	MW-4	Water	08/21/12 13:00	08/21/12 16:21
720-44097-4	MW-5	Water	08/21/12 14:20	08/21/12 16:21
720-44097-5	TAL-SF-TB	Water	08/21/12 00:00	08/21/12 16:21

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

CHAIN OF CUSTODY RECORD

JDE NO. 3862

720-44097

140300



TestAmerica
1220 Quarry Lane
Pleasanton, CA 94566

Phone: 925.484.1919

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: 15575 Los Gatos Boulevard, Building C
City/State/Zip: Los Gatos, CA 95032
Project Manager: Gary Messerotes email: gary.messerotes@stantec.com
Telephone Number: 408-356-6124 ext 252 Fax No.: 408-356-6138
Sampler Name: (Print) Tristan Rhodes
Sampler Signature: [Signature]
PO & Quote Number: Goodyear PO No. C4121 Quote No. Posted on TestAmerica Oasis 12-17-08

Report To: Alicia Falk
Invoice To: Karen Burlingame Goodyear Dept. 110F 1144 E. Market St. Akron, OH 44136-0001
Invoice email: karen.burlingame@goodyear.com
Territory ID: Former Goodyear DEX# 9578, 3430 Castro Valley Boulevard, Castro Valley, CA
Project No & ID: 185702561

Sample ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative							Matrix		Analyze For:	RUSH TAT (Pre-Schedule)	RUSH Due Date	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) TB
MW-1	8/21/12	1000	9	X			X					X	X		X	X	X	X	X	X	X	X	X	EDF Required
MW-2	8/21/12	1115	9	X			X					X	X		X	X	X	X	X	X	X	X	X	
MW-4	8/21/12	1300	9	X			X					X	X		X	X	X	X	X	X	X	X	X	
MW-5	8/21/12	1420	9	X			X					X	X		X	X	X	X	X	X	X	X	X	
TAL-9F-TB	7/31/12		2				X					X	X		X	X	X	X	X	X	X	X	X	

Special Instructions: **A copy of the chain of custody must accompany each invoice to Goodyear for payment !!!**
Detection limits (in ug/l) for TPH-DRO/ORO must not exceed 100 ug/l.

EDF REQUIRED GLOBAL ID = T0600101801 SEND ANALYTICAL REPORTS TO alicia.falk@stantec.com

Laboratory Comments:
Temperature Upon Receipt: 21.4, 2.8 °C
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

Relinquished by: <u>[Signature]</u>	Date: <u>8/21/12</u>	Time: <u>16:21</u>	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by TestAmerica: <u>[Signature]</u>	Date: <u>8/21/12</u>	Time: <u>16:21</u>

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

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-44097-1

Login Number: 44097

List Number: 1

Creator: Bullock, Tracy

List Source: TestAmerica Pleasanton

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



Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-44097-1

Login Number: 44097

List Number: 1

Creator: Scott, Sherri L

List Source: TestAmerica Chicago

List Creation: 08/23/12 10:19 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6, 0.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

