PHASE II ENVIRONMENTAL SITE ASSESSMENT

Warehouse and Medical Records Building
1333 S. Tippecanoe Avenue
San Bernardino, California

Stantec Project No.: 185802855

Submitted to:
CT Realty Advisors
65 Enterprise, Suite 150
Aliso Viejo, California

Submitted by:
Stantec Consulting Services Inc.
25864-F Business Center Drive
Redlands, California

Prepared by:

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Reviewed by:

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Managing Principal Geologist

December 10, 2012

Stantec Consulting Services Inc.
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December 10, 2012

Mr. Marc S. Belluomini
CT Realty Advisors
65 Enterprise, Suite 150
Aliso Viejo, California 92656

RE: PHASE II ENVIRONMENTAL SITE ASSESSMENT
Warehouse and Medical Records Building
1333 South Tippecanoe Avenue
San Bernardino, California

Dear Mr. Belluomini,

At the request and authorization of CT Realty Advisors (CT), Stantec Consulting Services Inc. (Stantec) prepared this report detailing the results of a Phase II environmental site assessment (ESA) completed at the above referenced Site. The Phase II ESA was completed in general accordance with Stantec's *Proposal for Phase II Environmental Site Assessment,* dated November 26, 2012. The results of the completed work are summarized in the following Executive Summary, and described in greater detail in the attached report.

EXECUTIVE SUMMARY

At the request and authorization of CT, Stantec conducted a Phase II ESA at the subject site. The scope of the Phase II ESA was based on the results and recommendations contained of the draft Phase I ESA concurrently prepared by Stantec. The results of the draft Phase I ESA identified the following recognized environmental concerns (RECs) which had not been previously evaluated and warranted additional investigation:

- Former AST berm containment area located on the west side of the building;
- Concrete pad with underground piping located on the west side of the building;
- Former sump/ditch floor drain located in the northwest corner of the building;
- Former cart wash drain located in the AHS laundry area;
- Former dip and quench tanks located in the southeast corner of the building;
- Former sump/ AST concrete Pad located in the northeast corner of the building;
- Former USTs/ vent pipe located on the east side of the building;
- Former USTs (removed in 1987) located in the northwest building parking lot; and,
- Asphaltic-concrete (AC) patches, potentially located to historical USTs located in the northern parking lot.

Based on the outstanding RECs identified in the draft Phase I ESA, Stantec was retained to conduct a Phase II ESA based on the recommendations presented in the Phase I ESA. The Phase II ESA was designed to evaluate the above referenced RECs in order to determine if a release of chemicals of potential concern (COPC) has occurred at the Site.

The scope of completed work consisted of the following general elements:

- Visiting the Site to mark the Site for utility clearance by underground service alert (USA);
- Preparation of a Site Specific Health and Safety Plan;
- Drill and sample nine (9) soil borings (SB-1 through SB-9) with a hydraulic push drilling rig at the approximate locations depicted on Figure 2 for the collection of soil and soil gas samples for potential chemical analysis and for soil classification.
- Analyze select soil samples for the presence of volatile organic compounds (VOCs) following EPA 8260B and total petroleum hydrocarbons (TPH [speciated by carbon chain length]) by modified EPA 8015m.
- Analyze selected soil gas samples for VOCs following EPA test method 8260B.

The Phase II ESA was completed on December 3, 2012 and consisted of drilling of nine (9) soil borings (SB-1 through SB-9) at the locations depicted on Figure 2. Soil borings were drilled to depths up to 20 feet below ground surface (bgs) to facilitate collection of soil samples. At six locations (SB-2, SB-4, SB-6, SB-7, SB-8 and SB-9), the boreholes were backfilled to 5.5-feet bgs and a temporary soil gas probe was installed to facilitate collection of soil vapor samples for chemical analysis.

The results of the completed investigation are summarized in the following sections. Boring Logs are included as Appendix A. Analytical reports are included in Appendix B. Approximate boring locations are depicted on Figure 2.

Summary of Findings:

- Soils encountered consisted of variable sand, silt and sand-silt mixtures to the total explored depth of 20 feet below ground surface;
- Groundwater was not encountered in any of the subsurface borings and is anticipated to be approximately 30 feet bgs;
- TPH quantified as gasoline (TPHg; C4-C13), TPH as diesel (TPHd; C13-C32) and TPH as oil (TPHo; C33-C40) were not reported above laboratory reporting limits in any analyzed soil sample.
- Except for two samples noted below, VOCs were not reported above laboratory reporting limits in any analyzed samples.
    - 1,2,4-trimethylbenzene (1,2,4-TMB) was reported in one sample (SB3-SS-5') at a concentration of 0.0023 mg/Kg, but was not reported in any other analyzed sample. The reported concentration of 1,2,4-TMB is well below typical regulatory thresholds.
    - Tetrachloroethene (PCE) was reported in one sample (SB7-SS-20') at a concentration 0.0014 mg/Kg, but was not reported above laboratory reporting limits in any other analyzed samples. The reported PCE concentration is well below typical regulatory thresholds.
- VOCs were not reported above laboratory reporting limits in any analyzed soil gas sample.

Conclusions:

Based on the results of the completed Phase II ESA, no environmental impact above typical regulatory action levels was identified. Based on this assessment, no additional investigation of the identified RECs is recommended. However, the building is almost completely full of files and supplies. Should any unidentified subsurface feature or oil or chemical stained concrete be noticed when the stored materials are moved, Stantec should be notified to evaluate if the feature warrants further assessment.

It has been a pleasure to provide environmental consulting services for you on this project and we look forward to working with you in the future. Should there be any questions regarding the information provided within the accompanying report, please do not hesitate to contact the undersigned at (909) 335-6116.

Respectfully submitted,
STANTEC CONSULTING SERVICES INC.

Kyle D. Emerson, CEG 1271
Managing Principal Geologist

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1.0 INTRODUCTION

This report documents the methodology and findings of the Phase II Environmental Site Assessment (ESA) completed by Stantec Consulting Services Inc. (Stantec) at 1333 South Tippecanoe Avenue, San Bernardino, California. The Phase II ESA was conducted to evaluate recognized environmental conditions (RECs) identified during preparation of the draft Phase I ESA.

The completed work was conducted in general accordance with Stantec's *Proposal for Phase II Environmental Site Assessment,* dated November 26, 2012. The scope of work and the results of the investigation are described in subsequent sections. The following subsections provide the site description and a summary of past operations.

1.1 SITE DESCRIPTION AND OPERATIONS

The Site comprises approximately 19 acres of land. Improvements include a single metal warehouse building comprising approximately 225, 000 square feet, paved perimeter driveways, and loading docks. Perimeter chain-link fencing surrounds the Site with landscaping along the southern boundary line, on Victoria Avenue.

Presently, the Site structure is occupied by the Loma Linda University Support Services Center and used as a storage warehouse for medical records, food supplies, and other medical equipment and supplies. The southern-most portion of the structure includes two levels of office space that are presently vacant. American Medical Response (AMR) utilizes a portion of the southern half of the structure as offices and sleeping quarters. Several storage trailers were located along the eastern boundary of the Site.

1.2 SITE GEOLOGY AND HYDROGEOLOGY

The Site is located in San Bernardino County. The area is located within the northern edge of the Transverse Ranges Geomorphic Province, which includes east-west trending mountain ranges and valleys (California Geological Survey, 2002). The Site is located between the San Bernardino and San Gabriel Mountains with underlying geology consisting of a metamorphic core complex of Mesozoic metavolcanics and granitic rocks and Cenozoic non-marine sedimentary rocks (CDMG, 1967). It is located in the San Bernardino Valley, which is part of a structurally down-dropped block of crystalline bedrock material overlain by approximately 300 to 400 feet of alluvium and border to the north and east by the northwest-to-southeast trending San Andreas Fault and San Bernardino Mountains (CHJ, 2007). The Site is at an elevation of approximately 1,063 feet above mean sea level with a general west-northwest topographic gradient.

The closest mapped recently active faults are the Loma Linda Fault and San Jacinto fault approximately 1/2 mile and 1 ½ miles southwest of the Site, respectively (California Geological Survey, 2010). According to official maps of California, the Site is not located within an Alquist-Priolo (AP) Earthquake Fault Zone boundary (CDMG, 2000).

The Site is located in the Bunker Hill Sub-basin of the Upper Santa Ana Groundwater Basin, within the South Coastal Hydrologic Study Area, according to a State Department of Water Resources publication (DWR, 1980). The Bunker Hill Sub-basin consists of the alluvial materials that underlie the San Bernardino Valley. This Sub-basin is bounded by contact with consolidated rocks of the San Gabriel Mountains, San Bernardino Mountains, and Crafton Hills, and by several faults. The southern boundary is the Banning Fault, the east boundary is the Redlands Fault, the San Andreas Fault is roughly the northern boundary, the Glen Helen Fault abuts the northwest boundary, and the southwest boundary is the San Jacinto Fault. Groundwater in this area is estimated to be approximately between 30 and 35 feet below ground surface (bgs) and flow in a southwest direction, as based on a facility located approximately less than a mile to the south, along Tippecanoe Ave on Rosewood Drive, and reported on Geotracker (State Water Resources Control Board [SWRCB], 2012).

2.0 BACKGROUND INFORMATION

The Site consists of a single parcel of land totaling approximately 19 acres. The Site is improved with a single steel-framed structure built on a concrete slab foundation. The northern and western sides of the structure are equipped with bay loading docks and level ramps. Asphalt and concrete paved driveways, parking, and chain-linked fencing surround the building perimeters with landscaping along the southern boundary. Interior improvements include vacant office space that occupies the southern one-quarter of the building. The remainder of the buildings is open warehouse space with exposed concrete walls, open beamed ceilings, and concrete floors. The Site is relatively flat with a slight southern slope. A BNSF rail line was noted along the eastern property perimeter.

Stantec was provided three assessment reports prepared for the Site by CHJ Consultants, Inc. (CHJ). These reports are referenced in the Phase I ESA. Those RECs not assessed by CHJ in the submitted reports and deemed to still require assessment were addressed by Stantec in the following report. The RECs were not assessed by CHJ:

- A historical floor drain in the location of the former vehicle maintenance area (now used as a storage area) and a battery recharge room in the NW corner of the building,
- A former cart wash and floor drain in the former location of the AHS Laundry facility in the central portion of the building,
- A possible former sump and UST concrete pad in the northeastern portion of the Site,
- An unknown vault and location of possible small USTs and vent pipe to the east of the building,
- Evidence of previous subsurface investigation boring locations adjacent to the east of the building,
- A concrete berm which was the containment area for former ASTs used by AHS laundry on the western side of the building and a concrete pad with underground piping adjacent to the berm,
- Several AC patches in the parking areas of the Site,
- A possible former quench and dip tank area in the SE corner of the structure.

Stantec did not observe the locations of the additional RECs identified by previous reports including:

- The former locations of the waste oil, methanol, and quench oil USTs reportedly removed from the northwest corner of the building in 1987,
- Drums reportedly located near the trailers parking area in the northwest corner of the Site.

Based on a review of previous environmental site assessments and property observations noted during the Site reconnaissance, the Site has historically had and currently has features associated with light industrial and furniture manufacturing operations including those mentioned above. As a result of this use, the features identified are considered RECs to the Site and Stantec recommended advancing exploratory soil borings and collecting soil vapor samples in these areas to evaluate any potential impact to subsurface soils. Please note that several sections of the building were not accessible at the time of the Site inspection due to the quantity and sensitivity of stored equipment and materials. Because the interior of this building could not be completely assessed, it is possible that there are additional features that could represent an environmental concern to the Site and require further assessment. Stantec is recommending that upon movement of these materials if subsurface features or chemical or oil staining is identified further assessment maybe warranted.

3.0 FIELD INVESTIGATION PROGRAM

3.1 SCOPE-OF-WORK

The general elements of the scope of work performed by Stantec and described in this report are briefly outlined below:

- Visiting the Site to mark the Site for utility clearance by underground service alert (USA);
- Preparation of a Site Specific Health and Safety Plan;
- Drill and sample nine (9) soil borings (SB-1 through SB-9) with a hydraulic push drilling rig at the approximate locations depicted on Figure 2 for the collection of soil and soil gas samples for potential chemical analysis and for soil classification.
- Analyze select soil samples for the presence of volatile organic compounds (VOCs) following EPA 8260B and total petroleum hydrocarbons (TPH [speciated by carbon chain length]) by modified EPA 8015B.
- Analyze selected soil gas samples for VOCs following EPA test method 8260B
- Log soil conditions and characteristics following the USCS classification system;
- Develop a comprehensive report presenting the methodology, results and conclusions of the on-site soil investigations

3.2 SOIL SAMPLING PROCEDURES

GEOPROBE SOIL SAMPLING PROCEDURES

Soil boring locations were hand augered within the upper five feet for utility clearance. Once the five foot depth was reached, the borings were further advanced using a Geoprobe 5400 or limited access 540M direct push rig. During advancement at each location, sampling of subsurface soils was performed starting at a depth of approximately 5 feet bgs using a 48-inch long by 1.25-inch inner diameter stainless steel sampler with steel sleeve inserts. At each sampling interval, the sampler was driven into undisturbed soil using a hydraulic ram on the Geoprobe rig until 12 inches of penetration was achieved. Upon advancement of the sampler to the desired sampling depth interval, the steel rods were extracted from the boring and the sample sleeves were removed. The drilling and sampling sequence was then repeated for the entire depth of each boring.

Upon extracting the sampler at each depth interval, the soils contained therein were visually examined by Stantec field personnel who then classified the soils in accordance with the unified soil classification system (USCS). A photo-ionization detector (PID) was also used to monitor the soils collected for volatile organic compound (VOC) vapors. Soil was removed from the steel sleeve and placed in a zip-lock type baggie and the PID probe was inserted into the baggie to monitor the headspace for VOC vapors.

After classification and VOC vapor evaluation, the soil samples were collected from the lowermost steel sleeve. All soil samples were carefully packaged for chemical analysis by sealing the sleeve with Teflon sheets, plastic end-caps, and non-VOC tape. After the steel tubes were sealed, they were labeled with the appropriate identification information (boring number, sample depth, sample collection date, and sample collection time). The samples were then logged on a chain-of-custody

form and placed in an ice-filled cooler for transport to the laboratory. Copies of the chain-of-custody forms are included as Appendix B.

SOIL GAS SAMPLING PROCEDURES

At six sampling locations (SB-2, SB-4, SB-6, SB-7, SB-8 and SB-9), the boreholes were backfilled to 5.5-feet bgs and a temporary soil gas probe was installed to facilitate collection of soil vapor samples for chemical analysis. The temporary soil gas prove was constructed by first backfilling the borehole with hydrated granular bentonite until the desired sampling depth was reached. Following backfill of the borehole, a transition zone consisting of approximately 3-inches of No. 2/12 Monterey sand was placed on top of the bentonite backfill and a 10-inch long Penn Plax screen attached to ¼-inch diameter Nylaflow® tubing was lowered to the bottom of the borehole. Following placement of the Penn Plax Screen a filter pack consisting of No. 2/12 Monterey Sand was placed in the annulus between the screen and borehole and continued to approximately 3-inches above the screen. The remaining borehole annulus was backfilled with granular bentonite hydrated in place.

Soil gas samples were sampled by first purging approximately three tubing volumes of air from the sample train using a battery operated low flow pump set to a rate of less than 200 milliliters per minute (ml/min). Once the sample line was purged, a representative soil vapor sample was collected into a 1-liter Tedlar® bag using the flow box and a vacuum box. Upon collection of the sample, the Tedlar® bag was sealed using the sample valve and labeled with the appropriate identification information (boring number, sample depth, sample collection date, and sample collection time). The samples were then logged on a chain-of-custody form for transport to the laboratory. Copies of the chain-of-custody forms are included as Appendix B.

3.3 BORING ABANDONMENT PROCEDURES

Following the completion of drilling and soil sampling, borings were abandoned by removing the sampling equipment from the borehole and subsequently backfilling with hydrated granular bentonite. The tops of all borings drilled at the Site were capped with concrete to match existing surface conditions.

3.4 DECONTAMINATION PROCEDURES

To maintain quality control during soil sampling, prior to each sampling interval, the sampling equipment was decontaminated in an Alconox scrub solution and double-rinsed, first with tap water followed by a final rinse using distilled water. In addition, prior to, and between each boring advanced, the hollow steel rods were cleaned following the same protocol.

4.0 LABORATORY TESTING PROGRAM

All soil samples collected for laboratory analysis were delivered under chain-of-custody (Appendix B) to TestAmerica Laboratories (TestAmerica) located in Irvine, California. TestAmerica is certified to perform hazardous waste testing by the State of California Department of Health Services, Environmental Laboratory Accreditation Program.

Soil samples were analyzed for TPH (speciated by carbon chain) following modified EPA method 8015B and VOCs following EPA test methods 8260B. Soil gas samples were analyzed for VOCs following EPA test Method 8260B. The laboratory report and associated chain-of-custody documents is attached as Appendix B.

5.0 INVESTIGATION RESULTS

5.1 FIELD OBSERVATIONS

Subsurface soils encountered during sampling activities consisted of variable sand, silt and sand-silt mixtures to the total explored depth of 20 feet below ground surface. Groundwater was not encountered to the maximum explored depth of 20 feet bgs.

Evaluation of headspace using a PID reported total VOC readings ranging from 0.0 to 5.9 ppmV. No obvious signs of staining or odors were observed during sampling operations.

5.2 ANALYTICAL RESULTS

The laboratory test results are discussed below. The complete laboratory analytical test results are presented on the laboratory data sheets attached as Appendix B. Boring locations are presented on the attached Figure 2, Site Plan.

A brief summary of the soil analysis is as follows:

- Total petroleum hydrocarbons (TPH) quantified as gasoline (TPHg; C4-C13), TPH as diesel (TPHd; C13-C32) and TPH as oil (TPHo; C33-C40) were not reported above laboratory reporting limits in any analyzed soil sample.

- Except for the two samples noted below, VOCs were not reported above laboratory reporting limits in any analyzed samples.

    - 1,2,4-trimethylbenzene (1,2,4-TMB) was reported in one sample (SB3-SS-5') at a concentration of 0.0023 mg/Kg, but was not reported in any other analyzed sample. The reported concentration of 1,2,4-TMB is well below typical regulatory thresholds.

    - Tetrachloroethene (PCE) was reported in one sample (SB7-SS-20') at a concentration 0.0014 mg/Kg, but was not reported above laboratory reporting limits in any other analyzed samples. The reported PCE concentration is well below typical regulatory thresholds.

- VOCs were not reported above laboratory reporting limits in any analyzed soil gas sample.

6.0 CONCLUSIONS AND RECOMMENDATIONS

At the request and authorization of CT, Stantec conducted a Phase II ESA at the subject site. The scope of the Phase II ESA was based on the results and recommendations contained of the draft Phase I ESA concurrently prepared by Stantec. The results of the draft Phase I ESA identified the following recognized environmental concerns (RECs) which had not been previously evaluated and warranted additional investigation:

- Former AST berm containment area located on the west side of the building;
- Concrete pad with underground piping located on the west side of the building;
- Former sump/ditch floor drain located in the northwest corner of the building;
- Former cart wash drain located in the AHS laundry area;
- Former dip and quench tanks located in the southeast corner of the building;
- Former sump/ AST concrete Pad located in the northeast corner of the building;
- Former USTs/ vent pipe located on the east side of the building;
- Former USTs (removed in 1987) located in the northwest building parking lot; and,
- Asphaltic-concrete (AC) patches, potentially located to historical USTs located in the northern parking lot.

Based on the outstanding RECs identified in the draft Phase I ESA, Stantec was retained to conduct a Phase II ESA based on the recommendations presented in the Phase I ESA. The Phase II ESA was designed to evaluate the above referenced RECs in order to determine if a release of chemicals of potential concern (COPC) has occurred at the Site.

The scope of completed work consisted of the following general elements:

- Visiting the Site to mark the Site for utility clearance by underground service alert (USA);
- Preparation of a Site Specific Health and Safety Plan;
- Drill and sample nine (9) soil borings (SB-1 through SB-9) with a hydraulic push drilling rig at the approximate locations depicted on Figure 2 for the collection of soil and soil gas samples for potential chemical analysis and for soil classification.
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- Analyze selected soil gas samples for VOCs following EPA test method 8260B.

The Phase II ESA was completed on December 3, 2012 and consisted of drilling of nine (9) soil borings (SB-1 through SB-9) at the locations depicted on Figure 2. Soil borings were drilled to depths up to 20 feet below ground surface (bgs) to facilitate collection of soil samples. At six locations (SB-2, SB-4, SB-6, SB-7, SB-8 and SB-9), the boreholes were backfilled to 5.5-feet bgs and a temporary soil gas probe was installed to facilitate collection of soil vapor samples for chemical analysis.

The results of the completed investigation are summarized in the following sections. Boring Logs are included as Appendix A. Analytical reports are included in Appendix B. Approximate boring locations are depicted on Figure 2.

Summary of Findings:

- Soils encountered consisted of variable sand, silt and sand-silt mixtures to the total explored depth of 20 feet below ground surface;
- Groundwater was not encountered in any of the subsurface borings and is anticipated to be approximately 30 feet bgs;
- TPH quantified as gasoline (TPHg; C4-C13), TPH as diesel (TPHd; C13-C32) and TPH as oil (TPHo; C33-C40) were not reported above laboratory reporting limits in any analyzed soil sample.
- Except for two samples noted below, VOCs were not reported above laboratory reporting limits in any analyzed samples.
    - 1,2,4-trimethylbenzene (1,2,4-TMB) was reported in one sample (SB3-SS-5') at a concentration of 0.0023 mg/Kg, but was not reported in any other analyzed sample. The reported concentration of 1,2,4-TMB is well below typical regulatory thresholds.
    - Tetrachloroethene (PCE) was reported in one sample (SB7-SS-20') at a concentration 0.0014 mg/Kg, but was not reported above laboratory reporting limits in any other analyzed samples. The reported PCE concentration is well below typical regulatory thresholds.
- VOCs were not reported above laboratory reporting limits in any analyzed soil gas sample.

Conclusions:

Based on the results of the completed Phase II ESA, no environmental impact above typical regulatory action levels was identified. Based on this assessment, no additional investigation of the identified RECs is recommended. However, the building is almost completely full of files and supplies. Should any unidentified subsurface feature or oil or chemical stained concrete be noticed when the stored materials are moved, Stantec should be notified to evaluate if the feature warrants further assessment.

7.0 CLOSURE

The conclusions presented in this report are professional opinions based on data described in this report. The opinions of this report have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location, and are subject to the following inherent limitations. Stantec makes no other warranty, either expressed or implied, concerning the conclusions and professional advice that is contained within the body of this report.

Inherent in most projects performed in a heterogeneous subsurface environment, continuing excavation and assessments may reveal findings that are different than those presented herein. This facet of the environmental profession should be considered when formulating professional opinions on the limited data collected on these projects.

This report has been issued with the clear understanding that it is the responsibility of the owner, or their representative, to make appropriate notifications to regulatory agencies. It is specifically not the responsibility of Stantec to conduct appropriate notifications as specified by current County and State regulations.

The information presented in this report is valid as of the date our exploration was performed. Site conditions may degrade with time; consequently, the findings presented herein are subject to change.

8.0 REFERENCES

Technical References

California Department of Conservation, Division of Mines and Geology (CDMG), 2002, California Geomorphic Provinces, Note #36.

_____, 2000, Digital Images of Alquist-Priolo Earthquake Fault Zones of California, CD 2000-004.

_____, 1994, Fault Activity Map of California and Adjacent Areas with Locations and Ages of Volcanic Eruptions, scale 1:750,000.

Former Reports

CHJ Consultants, 2007, *Preliminary Environmental Site Assessment,* 1333 South Tippecanoe Avenue, APN 0.281-101-12, San Bernardino, California, November 26

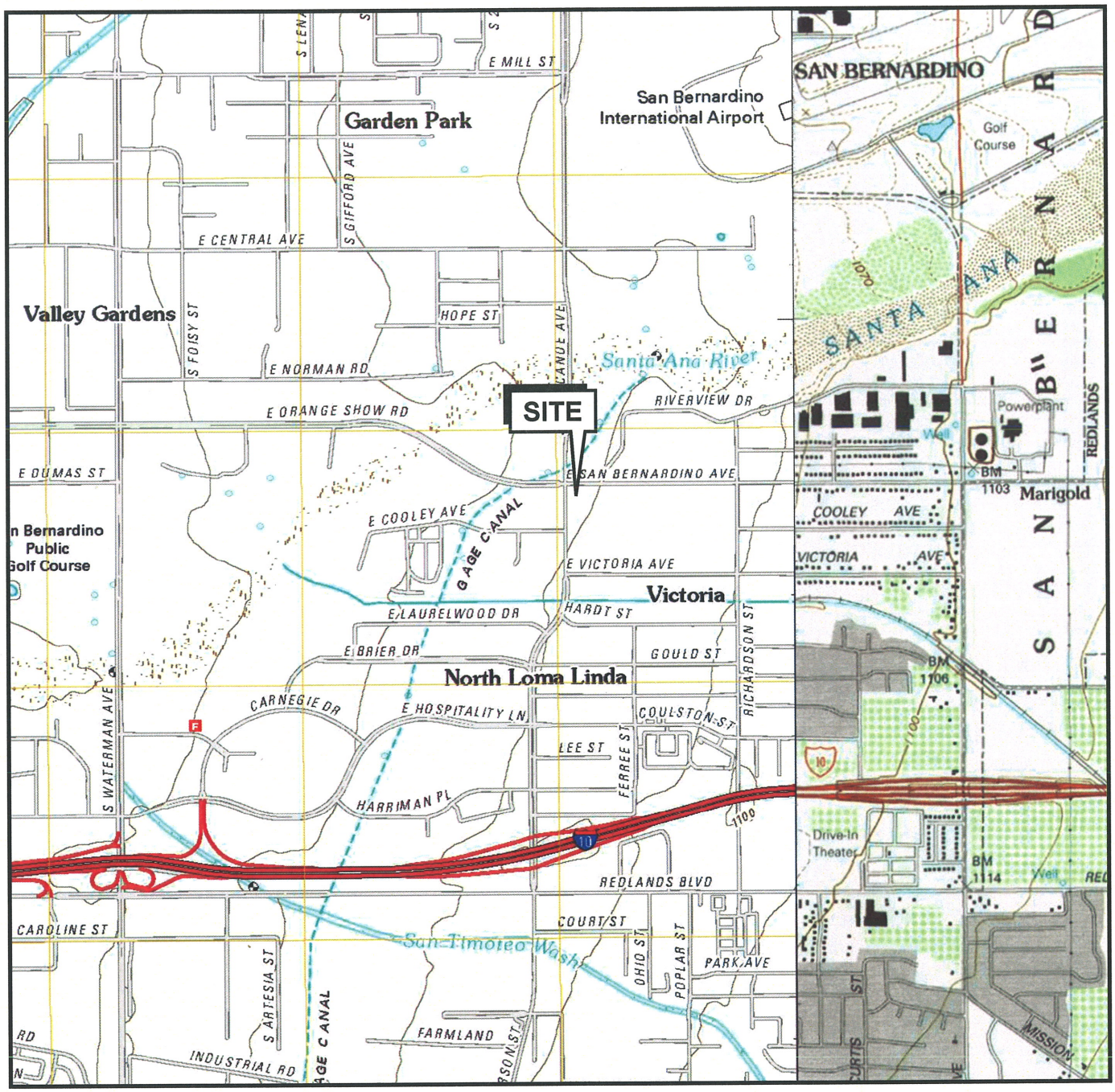
CHJ Consultants, 2012, *Summary of Geophysical Surveys and Subsurface Investigations,*1333 South Tippecanoe Avenue, San Bernardino, California, August 29

CHJ Consultants, 2012, *Limited Subsurface Investigation, REC NOs 6 and 10,* 1333 South Tippecanoe Avenue, San Bernardino, California, September 14

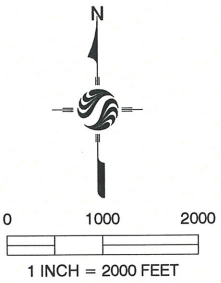
Stantec, 2012, *Proposal for Phase II Environmental Site Assessment,* 1333 Tippecanoe Avenue, San Bernardino, California, November 26.

Stantec, 2012, *Draft Phase I Environmental Site Assessment*, Commercial Property, 1333 South Tippecanoe Avenue, in progress.

FIGURES



QUADRANGLE LOCATION



Reference: Terrain Navigator–U.S.G.S., 2012 South San Bernardino, 1996 Redlands Quadrangles. 7.5–Minute Topographic Map.

Stantec
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PREPARED FOR:
CT REALTY
1333 Tippecanoe Avenue
San Bernardino, CA

SITE LOCATION MAP

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185802855	RJO	KT		12/10/2012

FILEPATH:V:\2118\active\ CADD\GIS-US1331\Site Location Maps\Regional Independents\CT Realty-Tippecanoe-USGS.dwg|ROcampo|Dec 10, 2012 at 14:34|Layout: USGS

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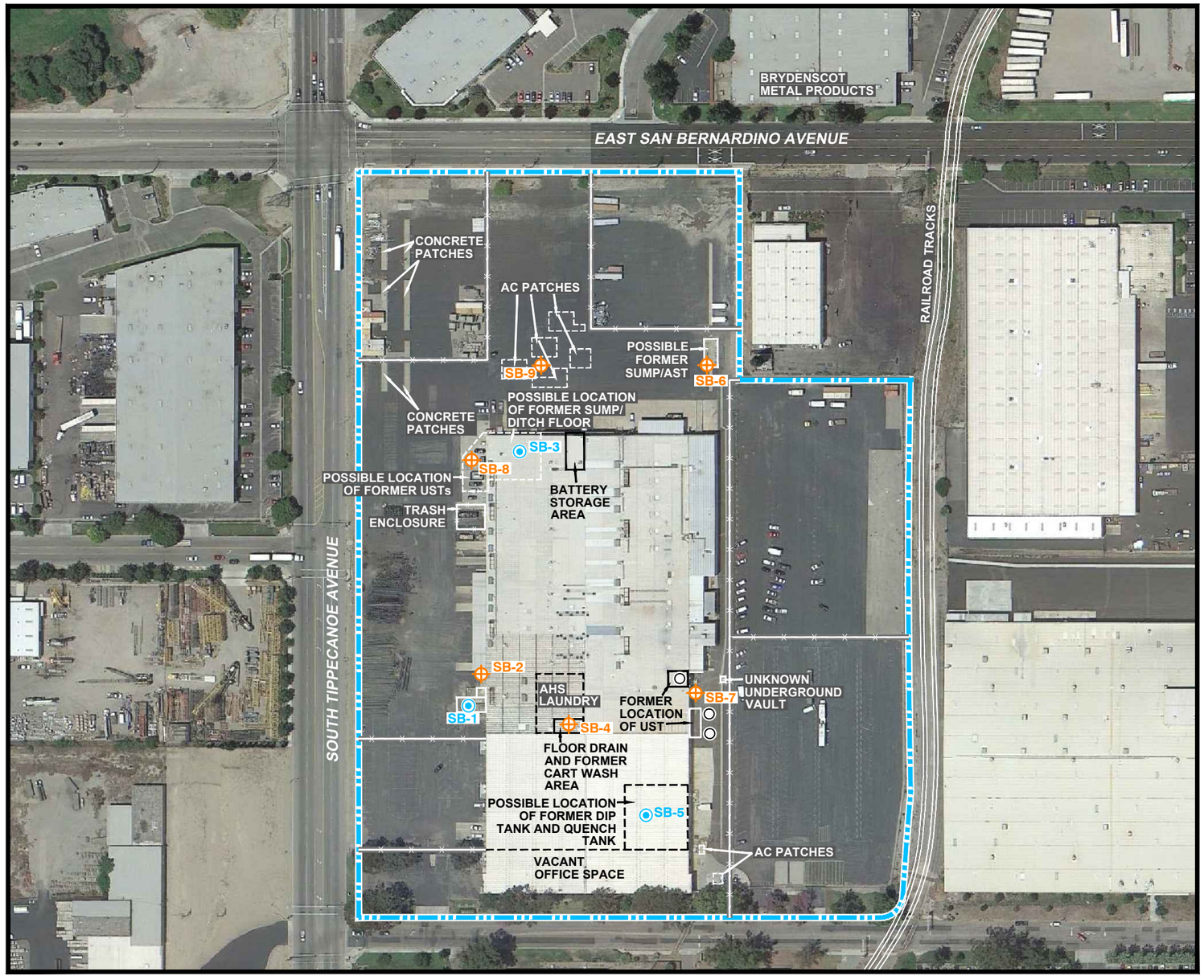
CT Realty-Tippecanoe-USGS.dwg



N

LEGEND:

- APPROXIMATE SITE BOUNDARY
- CHAIN-LINK FENCE
- POSSIBLE BORING LOCATION (CHJ, 2012)
- SOIL BORING LOCATION WITH SOIL GAS
- SOIL BORING LOCATION

0 140 280

APPROXIMATE SCALE IN FEET

No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and or information.

NOTES:

1. MAP REFERENCE; GOOGLE EARTH PROFESSIONAL AERIAL IMAGE, IMAGE DATE 09/30/2007.
2. COORDINATE SYSTEM; NAD 83 CALIFORNIA STATE PLANES, ZONE 5 (FT.).

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SITE VICINITY MAP

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185802855	RJO	KT		11/08/2012

FILEPATH:P:\CADD\PROJECTS\CT_Realty\SanBernardino\CT-Realty_SanBernardino.dwg|iresendiz|Dec 10, 2012 at 10:38|Layout: FIG-2-SVM

APPENDIX A
BORING LOGS

PROJECT: **Tippecanoe**
LOCATION: **1333 S. Tippecanoe**
PROJECT NUMBER: **185802855**

WELL / PROBEHOLE / BOREHOLE NO: **SB-1** PAGE 1 OF 1

DRILLING / INSTALLATION:
STARTED **12/3/12** COMPLETED: **12/3/12**
DRILLING COMPANY: **Core Probe**
DRILLING EQUIPMENT: **DPT/5400**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Split spoon**

NORTHING (ft): EASTING (ft):
LAT: LONG:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **10.5**
WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **1.5**
LOGGED BY: **BWV** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			3" Asphalt							4" Concrete Cap
			SILTY SAND							
5		SM	SM; 10YR 5/2 grayish brown; fine-grained; moist; 25-30% fines		7:55	1		1.2	5	Granular Bentonite
			SAND							
10		SP	SP; 2.5Y 5/3 olive brown; fine-grained; moist; Trace fines		8:00	1		1.4	10	
			Total depth 10.5' Borehole terminated at 10.5 feet.							

PROJECT: **Tippecanoe**
LOCATION: **1333 S. Tippecanoe**
PROJECT NUMBER: **185802855**

WELL / PROBEHOLE / BOREHOLE NO: **SB-2** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **12/3/12** COMPLETED: **12/3/12**
DRILLING COMPANY: **Core Probe**
DRILLING EQUIPMENT: **DPT/5400**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Split spoon**

NORTHING (ft): EASTING (ft):
LAT: LONG:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **15.5**
WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **1.5**
LOGGED BY: **BWV** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			3.5" Asphalt							4" Concrete Cap
5		ML	**SANDY SILT** ; ML; 2.5Y 4/3 olive brown; fine-grained; moist; 15-20% sand; trace black mottles		8:15	1		0.3	5	
										Granular Bentonite
10		SP	**SAND** ; SP; 2.5Y 4/3 olive brown; fine-grained; moist; 5-10% fines		8:20	1		0.6	10	
15		ML	**SILT WITH SAND** ; ML; 2.5Y 4/2 dark grayish brown; moist; 10-15% fine grained sand		8:25	1		0.4	15	
			Borehole terminated at 15.5 feet.							

PROJECT: **Tippecanoe**
LOCATION: **1333 S. Tippecanoe**
PROJECT NUMBER: **185802855**

WELL / PROBEHOLE / BOREHOLE NO: **SB-3** PAGE 1 OF 1

DRILLING / INSTALLATION:
STARTED **12/3/12** COMPLETED: **12/3/12**
DRILLING COMPANY: **Core Probe**
DRILLING EQUIPMENT: **DPT/5400**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Split spoon**

NORTHING (ft): EASTING (ft):
LAT: LONG:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **10.5**
WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **1.5**
LOGGED BY: **BWV** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			3" Asphalt						
5		ML	**SILT WITH SAND** ; ML; 2.5Y 4/1 dark gray; moist; 10-15% fine grained sand		10:45	0.5		5.9	5
10		SP	**SAND** ; SP; 2.5Y 5/3 olive brown; fine-grained; moist; trace fines		10:50	0.5		5.5	10
			Total depth 10.5' Borehole terminated at 10.5 feet.						

PROJECT: **Tippecanoe**
LOCATION: **1333 S. Tippecanoe**
PROJECT NUMBER: **185802855**

WELL / PROBEHOLE / BOREHOLE NO:
SB-4 PAGE 1 OF 1

DRILLING / INSTALLATION:
STARTED **12/3/12** COMPLETED: **12/3/12**
DRILLING COMPANY: **Core Probe**
DRILLING EQUIPMENT: **DPT/5400**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Split spoon**

NORTHING (ft): EASTING (ft):
LAT: LONG:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **10.5**
WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **1.5**
LOGGED BY: **BWV** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			3" Asphalt							4" Concrete Cap
5		SM	**SILTY SAND** ; SM; 5Y 4/2 olive gray; fine-grained; moist; 30-35% fines		11:55	0.5		0.2	5	Granular Bentonite
10		SP	**SAND** ; SP; 5Y 4/3 olive; fine-grained; moist; trace fines		12:00	0.5		0.4	10	
			Total depth 10.5' Borehole terminated at 10.5 feet.							

PROJECT: **Tippecanoe**
LOCATION: **1333 S. Tippecanoe**
PROJECT NUMBER: **185802855**

WELL / PROBEHOLE / BOREHOLE NO: **SB-5** PAGE 1 OF 1

DRILLING / INSTALLATION:
STARTED **12/3/12** COMPLETED: **12/3/12**
DRILLING COMPANY: **Core Probe**
DRILLING EQUIPMENT: **DPT/5400**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Split spoon**

NORTHING (ft): EASTING (ft):
LAT: LONG:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **10.5**
WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **1.5**
LOGGED BY: **BWV** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			5" concrete							4" Concrete Cap
5		SM	**SILTY SAND** ; SM; 10YR 5/2 grayish brown; fine-grained; moist; 15-20% fines		1345	0.5		0.0	5	Granular Bentonite
10		SP	**SAND** ; SP; 2.5Y 5/3 olive brown; fine-grained; moist; 5-10% fines; trace black mottles		1350	0.5		0.0	10	
			Total depth 10.5' Borehole terminated at 10.5 feet.							

PROJECT: **Tippecanoe**
LOCATION: **1333 S. Tippecanoe**
PROJECT NUMBER: **185802855**

WELL / PROBEHOLE / BOREHOLE NO:
SB-6 PAGE 1 OF 1

DRILLING / INSTALLATION:
STARTED **12/3/12** COMPLETED: **12/3/12**
DRILLING COMPANY: **Core Probe**
DRILLING EQUIPMENT: **DPT/5400**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Split spoon**

NORTHING (ft): EASTING (ft):
LAT: LONG:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **10.5**
WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **1.5**
LOGGED BY: **BWV** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			4" asphalt							4" Concrete Cap
5		SP	**SAND** ; SP; 2.5Y 4/4 olive brown; fine-grained; moist; 5-10% fines		1320	0.5		0.2	5	Granular Bentonite
10		SP	**SAND** ; SP; 2.5Y 5/3 olive brown; fine-grained; moist; trace fines		1325	0.5		0.4	10	
			Total depth 10.5' Borehole terminated at 10.5 feet.							

PROJECT: **Tippecanoe**
LOCATION: **1333 S. Tippecanoe**
PROJECT NUMBER: **185802855**

WELL / PROBEHOLE / BOREHOLE NO: **SB-7** PAGE 1 OF 1

DRILLING / INSTALLATION:
STARTED **12/3/12** COMPLETED: **12/3/12**
DRILLING COMPANY: **Core Probe**
DRILLING EQUIPMENT: **DPT/5400**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Split spoon**

NORTHING (ft): EASTING (ft):
LAT: LONG:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **20.5**
WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **1.5**
LOGGED BY: **BWV** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			3" Asphalt							4" Concrete Cap
5		ML	**SANDY SILT** ; ML; 2.5Y 4/2 dark grayish brown; moist; 30% fine grained sand		1240	1		0.2	5	
10		SM	**SILTY SAND** ; SM; 2.5Y 4/2 dark grayish brown; fine-grained; moist; fines variable between 15-30%		1245	1		0.4	10	Granular Bentonite
15		SM	**SILTY SAND** ; SM; 2.5Y 4/3 olive brown; fine-grained; moist; 15-20% fines		1250	1		0.3	15	
20		CL-ML	**CLAYEY SILT** ; CL-ML; 5Y 5/3 olive; moist; trace strong brown (7.5YR 5/8) oxidation mottles		1255	1		0.2	20	

Total depth 20.5'
Borehole terminated at 20.5 feet.

PROJECT: **Tippecanoe**
LOCATION: **1333 S. Tippecanoe**
PROJECT NUMBER: **185802855**

WELL / PROBEHOLE / BOREHOLE NO:

SB-8

Stantec

DRILLING / INSTALLATION:
STARTED **12/3/12** COMPLETED: **12/3/12**
DRILLING COMPANY: **Core Probe**
DRILLING EQUIPMENT: **DPT/5400**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Split spoon**

NORTHING (ft):
EASTING (ft):
LAT:
LONG:
GROUND ELEV (ft):
TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered**
WELL DEPTH (ft):
STATIC DTW (ft): **Not Encountered**
BOREHOLE DEPTH (ft): **20.5**
WELL CASING DIA. (in): **---**
BOREHOLE DIA. (in): **1.5**
LOGGED BY: **BWV**
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			4" concrete							4" Concrete Cap
5		SM	**SILTY SAND** ; SM; 2.5Y 4/2 dark grayish brown; fine-grained; moist; 15-20% fines		1005	1		1.2	5	
10		SP	**SILTY SAND** ; SP; 2.5Y 4/3 olive brown; fine-grained; moist; trace fines		1010	1		0.4	10	Granular Bentonite
15		SM	**SILTY SAND** ; SM; 2.5Y 4/3 olive brown; fine-grained; moist; 15-30% fines		1015	1		0.4	15	
20		CL-ML	**CLAYEY SILT** ; CL-ML; 5Y 4/3 olive brown; moist		1020	1		0.0	20	

Total depth 20.5'
Borehole terminated at 20.5 feet.

PROJECT: **Tippecanoe**
LOCATION: **1333 S. Tippecanoe**
PROJECT NUMBER: **185802855**

WELL / PROBEHOLE / BOREHOLE NO: **SB-9** PAGE 1 OF 1

DRILLING / INSTALLATION:
STARTED **12/3/12** COMPLETED: **12/3/12**
DRILLING COMPANY: **Core Probe**
DRILLING EQUIPMENT: **DPT/5400**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Split spoon**

NORTHING (ft): EASTING (ft):
LAT: LONG:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **20.5**
WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **1.5**
LOGGED BY: **BWV** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			4" Asphalt							4" Concrete Cap
5		SM	**SILTY SAND** ; SM; 2.5Y 3/2 very dark grayish brown; fine-grained; moist; 15-20% fines		0920	1		1.6	5	
10		SP	**SILTY SAND** ; SP; 2.5Y 4/3 olive brown; fine-grained; moist; trace fines		0925	1		0.7	10	Granular Bentonite
15		ML	**SILT** ; ML; 2.5Y 4/3 olive brown; moist; 5-10% fine grained sand		0930	1		0.4	15	
20		CL-ML	**CLAYEY SILT** ; CL-ML; 2.5Y 4/4 olive brown; moist; trace strong brown (7.5YR 5/8) oxidation mottles Total depth 20.5' Borehole terminated at 20.5 feet.		0935	1		2.6	20	

APPENDIX B
LABORATORY DATA SHEETS AND QA/QC RESULTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-31316-1
Client Project/Site: 1333 Tippecanoe

For:
Stantec Consulting Corp.
25864-F Business Center Dr.
Redlands, California 92374

Attn: Brian Viggiano

Authorized for release by:
12/6/2012 9:08:33 PM
Janice Hsu
Project Manager I
janice.hsu@testamericainc.com

Designee for

Lena Davidkova
Project Manager I
lena.davidkova@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Sample Summary

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-31316-1	SB7-SV-5'	Air	12/03/12 14:25	12/03/12 18:25
440-31316-2	SB4-SV-5'	Air	12/03/12 14:40	12/03/12 18:25
440-31316-3	SB2-SV-5'	Air	12/03/12 14:45	12/03/12 18:25
440-31316-4	SB8-SV-5'	Air	12/03/12 14:50	12/03/12 18:25
440-31316-5	SB9-SV-5'	Air	12/03/12 14:55	12/03/12 18:25
440-31316-6	SB6-SV-5'	Air	12/03/12 15:10	12/03/12 18:25

Case Narrative

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Job ID: 440-31316-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-31316-1

Comments
No additional comments.

Receipt
The samples were received on 12/3/2012 6:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 22.0º C.

GC/MS VOA
Method(s) 8260B: Surrogate recoveries for the following samples were outside the upper control limit: SB2-SV-5' (440-31316-3), SB9-SV-5' (440-31316-5) and SB6-SV-5' (440-31316-6). 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.

VOA Prep
No analytical or quality issues were noted.

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Client Sample ID: SB7-SV-5'

Lab Sample ID: 440-31316-1

Date Collected: 12/03/12 14:25
Matrix: Air
Date Received: 12/03/12 18:25
Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		mg/m3			12/04/12 14:56	1
1,1,1-Trichloroethane	ND		5.0		mg/m3			12/04/12 14:56	1
1,1,2,2-Tetrachloroethane	ND		5.0		mg/m3			12/04/12 14:56	1
1,1,2-Trichloroethane	ND		5.0		mg/m3			12/04/12 14:56	1
1,1-Dichloroethane	ND		5.0		mg/m3			12/04/12 14:56	1
1,1-Dichloroethene	ND		5.0		mg/m3			12/04/12 14:56	1
1,1-Dichloropropene	ND		5.0		mg/m3			12/04/12 14:56	1
1,2,3-Trichlorobenzene	ND		5.0		mg/m3			12/04/12 14:56	1
1,2,3-Trichloropropane	ND		5.0		mg/m3			12/04/12 14:56	1
1,2,4-Trichlorobenzene	ND		5.0		mg/m3			12/04/12 14:56	1
1,2,4-Trimethylbenzene	ND		5.0		mg/m3			12/04/12 14:56	1
1,2-Dibromo-3-Chloropropane	ND		10		mg/m3			12/04/12 14:56	1
1,2-Dibromoethane (EDB)	ND		5.0		mg/m3			12/04/12 14:56	1
1,2-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 14:56	1
1,2-Dichloroethane	ND		5.0		mg/m3			12/04/12 14:56	1
1,2-Dichloropropane	ND		5.0		mg/m3			12/04/12 14:56	1
1,3,5-Trimethylbenzene	ND		5.0		mg/m3			12/04/12 14:56	1
1,3-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 14:56	1
1,3-Dichloropropane	ND		5.0		mg/m3			12/04/12 14:56	1
1,4-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 14:56	1
2,2-Dichloropropane	ND		5.0		mg/m3			12/04/12 14:56	1
2-Chlorotoluene	ND		5.0		mg/m3			12/04/12 14:56	1
4-Chlorotoluene	ND		5.0		mg/m3			12/04/12 14:56	1
Benzene	ND		5.0		mg/m3			12/04/12 14:56	1
Bromobenzene	ND		5.0		mg/m3			12/04/12 14:56	1
Bromochloromethane	ND		5.0		mg/m3			12/04/12 14:56	1
Bromodichloromethane	ND		5.0		mg/m3			12/04/12 14:56	1
Bromoform	ND		5.0		mg/m3			12/04/12 14:56	1
Bromomethane	ND		5.0		mg/m3			12/04/12 14:56	1
Carbon tetrachloride	ND		5.0		mg/m3			12/04/12 14:56	1
Chlorobenzene	ND		5.0		mg/m3			12/04/12 14:56	1
Chloroethane	ND		5.0		mg/m3			12/04/12 14:56	1
Chloroform	ND		5.0		mg/m3			12/04/12 14:56	1
Chloromethane	ND		5.0		mg/m3			12/04/12 14:56	1
cis-1,2-Dichloroethene	ND		5.0		mg/m3			12/04/12 14:56	1
cis-1,3-Dichloropropene	ND		5.0		mg/m3			12/04/12 14:56	1
Dibromochloromethane	ND		5.0		mg/m3			12/04/12 14:56	1
Dibromomethane	ND		5.0		mg/m3			12/04/12 14:56	1
Dichlorodifluoromethane	ND		5.0		mg/m3			12/04/12 14:56	1
Ethanol	ND		300		mg/m3			12/04/12 14:56	1
Ethylbenzene	ND		5.0		mg/m3			12/04/12 14:56	1
Ethyl-t-butyl ether (ETBE)	ND		10		mg/m3			12/04/12 14:56	1
Hexachlorobutadiene	ND		5.0		mg/m3			12/04/12 14:56	1
Isopropyl Ether (DIPE)	ND		10		mg/m3			12/04/12 14:56	1
Isopropylbenzene	ND		5.0		mg/m3			12/04/12 14:56	1
m,p-Xylene	ND		4.0		mg/m3			12/04/12 14:56	1
Methylene Chloride	ND		5.0		mg/m3			12/04/12 14:56	1
Methyl-t-Butyl Ether (MTBE)	ND		10		mg/m3			12/04/12 14:56	1

Client Sample ID: SB7-SV-5'
Date Collected: 12/03/12 14:25
Date Received: 12/03/12 18:25
Sample Container: Tedlar Bag 1L

Lab Sample ID: 440-31316-1
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0		mg/m3			12/04/12 14:56	1
n-Butylbenzene	ND		5.0		mg/m3			12/04/12 14:56	1
N-Propylbenzene	ND		5.0		mg/m3			12/04/12 14:56	1
o-Xylene	ND		4.0		mg/m3			12/04/12 14:56	1
p-Isopropyltoluene	ND		5.0		mg/m3			12/04/12 14:56	1
sec-Butylbenzene	ND		5.0		mg/m3			12/04/12 14:56	1
Styrene	ND		10		mg/m3			12/04/12 14:56	1
Tert-amyl-methyl ether (TAME)	ND		10		mg/m3			12/04/12 14:56	1
tert-Butyl alcohol (TBA)	ND		100		mg/m3			12/04/12 14:56	1
tert-Butylbenzene	ND		5.0		mg/m3			12/04/12 14:56	1
Tetrachloroethene	ND		5.0		mg/m3			12/04/12 14:56	1
Toluene	ND		5.0		mg/m3			12/04/12 14:56	1
trans-1,2-Dichloroethene	ND		5.0		mg/m3			12/04/12 14:56	1
trans-1,3-Dichloropropene	ND		5.0		mg/m3			12/04/12 14:56	1
Trichloroethene	ND		5.0		mg/m3			12/04/12 14:56	1
Trichlorofluoromethane	ND		5.0		mg/m3			12/04/12 14:56	1
Vinyl chloride	ND		5.0		mg/m3			12/04/12 14:56	1
Xylenes, Total	ND		8.0		mg/m3			12/04/12 14:56	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.73		ppm v/v			12/04/12 14:56	1
1,1,1-Trichloroethane	ND		0.92		ppm v/v			12/04/12 14:56	1
1,1,2,2-Tetrachloroethane	ND		0.73		ppm v/v			12/04/12 14:56	1
1,1,2-Trichloroethane	ND		0.92		ppm v/v			12/04/12 14:56	1
1,1-Dichloroethane	ND		1.2		ppm v/v			12/04/12 14:56	1
1,1-Dichloroethene	ND		1.3		ppm v/v			12/04/12 14:56	1
1,1-Dichloropropene	ND		1.1		ppm v/v			12/04/12 14:56	1
1,2,3-Trichlorobenzene	ND		0.67		ppm v/v			12/04/12 14:56	1
1,2,3-Trichloropropane	ND		0.83		ppm v/v			12/04/12 14:56	1
1,2,4-Trichlorobenzene	ND		0.67		ppm v/v			12/04/12 14:56	1
1,2,4-Trimethylbenzene	ND		1.0		ppm v/v			12/04/12 14:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ppm v/v			12/04/12 14:56	1
1,2-Dibromoethane (EDB)	ND		0.65		ppm v/v			12/04/12 14:56	1
1,2-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 14:56	1
1,2-Dichloroethane	ND		1.2		ppm v/v			12/04/12 14:56	1
1,2-Dichloropropane	ND		1.1		ppm v/v			12/04/12 14:56	1
1,3,5-Trimethylbenzene	ND		1.0		ppm v/v			12/04/12 14:56	1
1,3-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 14:56	1
1,3-Dichloropropane	ND		1.1		ppm v/v			12/04/12 14:56	1
1,4-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 14:56	1
2,2-Dichloropropane	ND		1.1		ppm v/v			12/04/12 14:56	1
2-Chlorotoluene	ND		0.97		ppm v/v			12/04/12 14:56	1
4-Chlorotoluene	ND		0.97		ppm v/v			12/04/12 14:56	1
Benzene	ND		1.6		ppm v/v			12/04/12 14:56	1
Bromobenzene	ND		0.78		ppm v/v			12/04/12 14:56	1
Bromochloromethane	ND		0.94		ppm v/v			12/04/12 14:56	1
Bromodichloromethane	ND		0.75		ppm v/v			12/04/12 14:56	1
Bromoform	ND		0.48		ppm v/v			12/04/12 14:56	1
Bromomethane	ND		1.3		ppm v/v			12/04/12 14:56	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Client Sample ID: SB7-SV-5'

Lab Sample ID: 440-31316-1

Date Collected: 12/03/12 14:25
Matrix: Air
Date Received: 12/03/12 18:25
Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		0.79		ppm v/v			12/04/12 14:56	1
Chlorobenzene	ND		1.1		ppm v/v			12/04/12 14:56	1
Chloroethane	ND		1.9		ppm v/v			12/04/12 14:56	1
Chloroform	ND		1.0		ppm v/v			12/04/12 14:56	1
Chloromethane	ND		2.4		ppm v/v			12/04/12 14:56	1
cis-1,2-Dichloroethene	ND		1.3		ppm v/v			12/04/12 14:56	1
cis-1,3-Dichloropropene	ND		1.1		ppm v/v			12/04/12 14:56	1
Dibromochloromethane	ND		0.59		ppm v/v			12/04/12 14:56	1
Dibromomethane	ND		0.70		ppm v/v			12/04/12 14:56	1
Dichlorodifluoromethane	ND		1.0		ppm v/v			12/04/12 14:56	1
Ethylbenzene	ND		1.2		ppm v/v			12/04/12 14:56	1
Ethyl-t-butyl ether (ETBE)	ND		2.4		ppm v/v			12/04/12 14:56	1
Hexachlorobutadiene	ND		0.47		ppm v/v			12/04/12 14:56	1
Isopropyl Ether (DIPE)	ND		2.4		ppm v/v			12/04/12 14:56	1
Isopropylbenzene	ND		1.0		ppm v/v			12/04/12 14:56	1
m,p-Xylene	ND		0.92		ppm v/v			12/04/12 14:56	1
Methylene Chloride	ND		1.4		ppm v/v			12/04/12 14:56	1
Methyl-t-Butyl Ether (MTBE)	ND		2.8		ppm v/v			12/04/12 14:56	1
Naphthalene	ND		0.95		ppm v/v			12/04/12 14:56	1
n-Butylbenzene	ND		0.91		ppm v/v			12/04/12 14:56	1
N-Propylbenzene	ND		1.0		ppm v/v			12/04/12 14:56	1
o-Xylene	ND		0.92		ppm v/v			12/04/12 14:56	1
p-Isopropyltoluene	ND		0.91		ppm v/v			12/04/12 14:56	1
sec-Butylbenzene	ND		0.91		ppm v/v			12/04/12 14:56	1
Styrene	ND		2.3		ppm v/v			12/04/12 14:56	1
Tert-amyl-methyl ether (TAME)	ND		2.4		ppm v/v			12/04/12 14:56	1
tert-Butyl alcohol (TBA)	ND		33		ppm v/v			12/04/12 14:56	1
tert-Butylbenzene	ND		0.91		ppm v/v			12/04/12 14:56	1
Tetrachloroethene	ND		0.74		ppm v/v			12/04/12 14:56	1
Toluene	ND		1.3		ppm v/v			12/04/12 14:56	1
trans-1,2-Dichloroethene	ND		1.3		ppm v/v			12/04/12 14:56	1
trans-1,3-Dichloropropene	ND		1.1		ppm v/v			12/04/12 14:56	1
Trichloroethene	ND		0.93		ppm v/v			12/04/12 14:56	1
Trichlorofluoromethane	ND		0.89		ppm v/v			12/04/12 14:56	1
Vinyl chloride	ND		2.0		ppm v/v			12/04/12 14:56	1
Xylenes, Total	ND		1.8		ppm v/v			12/04/12 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*12/04/12 14:56*	*1*
Dibromofluoromethane (Surr)	*117*		*80 - 120*		*12/04/12 14:56*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*12/04/12 14:56*	*1*

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Client Sample ID: SB4-SV-5'

Lab Sample ID: 440-31316-2

Date Collected: 12/03/12 14:40
Matrix: Air
Date Received: 12/03/12 18:25
Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		mg/m3			12/04/12 15:25	1
1,1,1-Trichloroethane	ND		5.0		mg/m3			12/04/12 15:25	1
1,1,2,2-Tetrachloroethane	ND		5.0		mg/m3			12/04/12 15:25	1
1,1,2-Trichloroethane	ND		5.0		mg/m3			12/04/12 15:25	1
1,1-Dichloroethane	ND		5.0		mg/m3			12/04/12 15:25	1
1,1-Dichloroethene	ND		5.0		mg/m3			12/04/12 15:25	1
1,1-Dichloropropene	ND		5.0		mg/m3			12/04/12 15:25	1
1,2,3-Trichlorobenzene	ND		5.0		mg/m3			12/04/12 15:25	1
1,2,3-Trichloropropane	ND		5.0		mg/m3			12/04/12 15:25	1
1,2,4-Trichlorobenzene	ND		5.0		mg/m3			12/04/12 15:25	1
1,2,4-Trimethylbenzene	ND		5.0		mg/m3			12/04/12 15:25	1
1,2-Dibromo-3-Chloropropane	ND		10		mg/m3			12/04/12 15:25	1
1,2-Dibromoethane (EDB)	ND		5.0		mg/m3			12/04/12 15:25	1
1,2-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 15:25	1
1,2-Dichloroethane	ND		5.0		mg/m3			12/04/12 15:25	1
1,2-Dichloropropane	ND		5.0		mg/m3			12/04/12 15:25	1
1,3,5-Trimethylbenzene	ND		5.0		mg/m3			12/04/12 15:25	1
1,3-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 15:25	1
1,3-Dichloropropane	ND		5.0		mg/m3			12/04/12 15:25	1
1,4-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 15:25	1
2,2-Dichloropropane	ND		5.0		mg/m3			12/04/12 15:25	1
2-Chlorotoluene	ND		5.0		mg/m3			12/04/12 15:25	1
4-Chlorotoluene	ND		5.0		mg/m3			12/04/12 15:25	1
Benzene	ND		5.0		mg/m3			12/04/12 15:25	1
Bromobenzene	ND		5.0		mg/m3			12/04/12 15:25	1
Bromochloromethane	ND		5.0		mg/m3			12/04/12 15:25	1
Bromodichloromethane	ND		5.0		mg/m3			12/04/12 15:25	1
Bromoform	ND		5.0		mg/m3			12/04/12 15:25	1
Bromomethane	ND		5.0		mg/m3			12/04/12 15:25	1
Carbon tetrachloride	ND		5.0		mg/m3			12/04/12 15:25	1
Chlorobenzene	ND		5.0		mg/m3			12/04/12 15:25	1
Chloroethane	ND		5.0		mg/m3			12/04/12 15:25	1
Chloroform	ND		5.0		mg/m3			12/04/12 15:25	1
Chloromethane	ND		5.0		mg/m3			12/04/12 15:25	1
cis-1,2-Dichloroethene	ND		5.0		mg/m3			12/04/12 15:25	1
cis-1,3-Dichloropropene	ND		5.0		mg/m3			12/04/12 15:25	1
Dibromochloromethane	ND		5.0		mg/m3			12/04/12 15:25	1
Dibromomethane	ND		5.0		mg/m3			12/04/12 15:25	1
Dichlorodifluoromethane	ND		5.0		mg/m3			12/04/12 15:25	1
Ethanol	ND		300		mg/m3			12/04/12 15:25	1
Ethylbenzene	ND		5.0		mg/m3			12/04/12 15:25	1
Ethyl-t-butyl ether (ETBE)	ND		10		mg/m3			12/04/12 15:25	1
Hexachlorobutadiene	ND		5.0		mg/m3			12/04/12 15:25	1
Isopropyl Ether (DIPE)	ND		10		mg/m3			12/04/12 15:25	1
Isopropylbenzene	ND		5.0		mg/m3			12/04/12 15:25	1
m,p-Xylene	ND		4.0		mg/m3			12/04/12 15:25	1
Methylene Chloride	ND		5.0		mg/m3			12/04/12 15:25	1
Methyl-t-Butyl Ether (MTBE)	ND		10		mg/m3			12/04/12 15:25	1

Client Sample ID: SB4-SV-5'

Lab Sample ID: 440-31316-2

Date Collected: 12/03/12 14:40

Matrix: Air

Date Received: 12/03/12 18:25

Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0		mg/m3			12/04/12 15:25	1
n-Butylbenzene	ND		5.0		mg/m3			12/04/12 15:25	1
N-Propylbenzene	ND		5.0		mg/m3			12/04/12 15:25	1
o-Xylene	ND		4.0		mg/m3			12/04/12 15:25	1
p-Isopropyltoluene	ND		5.0		mg/m3			12/04/12 15:25	1
sec-Butylbenzene	ND		5.0		mg/m3			12/04/12 15:25	1
Styrene	ND		10		mg/m3			12/04/12 15:25	1
Tert-amyl-methyl ether (TAME)	ND		10		mg/m3			12/04/12 15:25	1
tert-Butyl alcohol (TBA)	ND		100		mg/m3			12/04/12 15:25	1
tert-Butylbenzene	ND		5.0		mg/m3			12/04/12 15:25	1
Tetrachloroethene	ND		5.0		mg/m3			12/04/12 15:25	1
Toluene	ND		5.0		mg/m3			12/04/12 15:25	1
trans-1,2-Dichloroethene	ND		5.0		mg/m3			12/04/12 15:25	1
trans-1,3-Dichloropropene	ND		5.0		mg/m3			12/04/12 15:25	1
Trichloroethene	ND		5.0		mg/m3			12/04/12 15:25	1
Trichlorofluoromethane	ND		5.0		mg/m3			12/04/12 15:25	1
Vinyl chloride	ND		5.0		mg/m3			12/04/12 15:25	1
Xylenes, Total	ND		8.0		mg/m3			12/04/12 15:25	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.73		ppm v/v			12/04/12 15:25	1
1,1,1-Trichloroethane	ND		0.92		ppm v/v			12/04/12 15:25	1
1,1,2,2-Tetrachloroethane	ND		0.73		ppm v/v			12/04/12 15:25	1
1,1,2-Trichloroethane	ND		0.92		ppm v/v			12/04/12 15:25	1
1,1-Dichloroethane	ND		1.2		ppm v/v			12/04/12 15:25	1
1,1-Dichloroethene	ND		1.3		ppm v/v			12/04/12 15:25	1
1,1-Dichloropropene	ND		1.1		ppm v/v			12/04/12 15:25	1
1,2,3-Trichlorobenzene	ND		0.67		ppm v/v			12/04/12 15:25	1
1,2,3-Trichloropropane	ND		0.83		ppm v/v			12/04/12 15:25	1
1,2,4-Trichlorobenzene	ND		0.67		ppm v/v			12/04/12 15:25	1
1,2,4-Trimethylbenzene	ND		1.0		ppm v/v			12/04/12 15:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ppm v/v			12/04/12 15:25	1
1,2-Dibromoethane (EDB)	ND		0.65		ppm v/v			12/04/12 15:25	1
1,2-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 15:25	1
1,2-Dichloroethane	ND		1.2		ppm v/v			12/04/12 15:25	1
1,2-Dichloropropane	ND		1.1		ppm v/v			12/04/12 15:25	1
1,3,5-Trimethylbenzene	ND		1.0		ppm v/v			12/04/12 15:25	1
1,3-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 15:25	1
1,3-Dichloropropane	ND		1.1		ppm v/v			12/04/12 15:25	1
1,4-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 15:25	1
2,2-Dichloropropane	ND		1.1		ppm v/v			12/04/12 15:25	1
2-Chlorotoluene	ND		0.97		ppm v/v			12/04/12 15:25	1
4-Chlorotoluene	ND		0.97		ppm v/v			12/04/12 15:25	1
Benzene	ND		1.6		ppm v/v			12/04/12 15:25	1
Bromobenzene	ND		0.78		ppm v/v			12/04/12 15:25	1
Bromochloromethane	ND		0.94		ppm v/v			12/04/12 15:25	1
Bromodichloromethane	ND		0.75		ppm v/v			12/04/12 15:25	1
Bromoform	ND		0.48		ppm v/v			12/04/12 15:25	1
Bromomethane	ND		1.3		ppm v/v			12/04/12 15:25	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Client Sample ID: SB4-SV-5'

Lab Sample ID: 440-31316-2

Date Collected: 12/03/12 14:40
Matrix: Air
Date Received: 12/03/12 18:25
Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		0.79		ppm v/v			12/04/12 15:25	1
Chlorobenzene	ND		1.1		ppm v/v			12/04/12 15:25	1
Chloroethane	ND		1.9		ppm v/v			12/04/12 15:25	1
Chloroform	ND		1.0		ppm v/v			12/04/12 15:25	1
Chloromethane	ND		2.4		ppm v/v			12/04/12 15:25	1
cis-1,2-Dichloroethene	ND		1.3		ppm v/v			12/04/12 15:25	1
cis-1,3-Dichloropropene	ND		1.1		ppm v/v			12/04/12 15:25	1
Dibromochloromethane	ND		0.59		ppm v/v			12/04/12 15:25	1
Dibromomethane	ND		0.70		ppm v/v			12/04/12 15:25	1
Dichlorodifluoromethane	ND		1.0		ppm v/v			12/04/12 15:25	1
Ethylbenzene	ND		1.2		ppm v/v			12/04/12 15:25	1
Ethyl-t-butyl ether (ETBE)	ND		2.4		ppm v/v			12/04/12 15:25	1
Hexachlorobutadiene	ND		0.47		ppm v/v			12/04/12 15:25	1
Isopropyl Ether (DIPE)	ND		2.4		ppm v/v			12/04/12 15:25	1
Isopropylbenzene	ND		1.0		ppm v/v			12/04/12 15:25	1
m,p-Xylene	ND		0.92		ppm v/v			12/04/12 15:25	1
Methylene Chloride	ND		1.4		ppm v/v			12/04/12 15:25	1
Methyl-t-Butyl Ether (MTBE)	ND		2.8		ppm v/v			12/04/12 15:25	1
Naphthalene	ND		0.95		ppm v/v			12/04/12 15:25	1
n-Butylbenzene	ND		0.91		ppm v/v			12/04/12 15:25	1
N-Propylbenzene	ND		1.0		ppm v/v			12/04/12 15:25	1
o-Xylene	ND		0.92		ppm v/v			12/04/12 15:25	1
p-Isopropyltoluene	ND		0.91		ppm v/v			12/04/12 15:25	1
sec-Butylbenzene	ND		0.91		ppm v/v			12/04/12 15:25	1
Styrene	ND		2.3		ppm v/v			12/04/12 15:25	1
Tert-amyl-methyl ether (TAME)	ND		2.4		ppm v/v			12/04/12 15:25	1
tert-Butyl alcohol (TBA)	ND		33		ppm v/v			12/04/12 15:25	1
tert-Butylbenzene	ND		0.91		ppm v/v			12/04/12 15:25	1
Tetrachloroethene	ND		0.74		ppm v/v			12/04/12 15:25	1
Toluene	ND		1.3		ppm v/v			12/04/12 15:25	1
trans-1,2-Dichloroethene	ND		1.3		ppm v/v			12/04/12 15:25	1
trans-1,3-Dichloropropene	ND		1.1		ppm v/v			12/04/12 15:25	1
Trichloroethene	ND		0.93		ppm v/v			12/04/12 15:25	1
Trichlorofluoromethane	ND		0.89		ppm v/v			12/04/12 15:25	1
Vinyl chloride	ND		2.0		ppm v/v			12/04/12 15:25	1
Xylenes, Total	ND		1.8		ppm v/v			12/04/12 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*12/04/12 15:25*	*1*
Dibromofluoromethane (Surr)	*120*		*80 - 120*		*12/04/12 15:25*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*12/04/12 15:25*	*1*

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Client Sample ID: SB2-SV-5'

Lab Sample ID: 440-31316-3

Date Collected: 12/03/12 14:45
Matrix: Air
Date Received: 12/03/12 18:25
Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		mg/m3			12/04/12 15:54	1
1,1,1-Trichloroethane	ND		5.0		mg/m3			12/04/12 15:54	1
1,1,2,2-Tetrachloroethane	ND		5.0		mg/m3			12/04/12 15:54	1
1,1,2-Trichloroethane	ND		5.0		mg/m3			12/04/12 15:54	1
1,1-Dichloroethane	ND		5.0		mg/m3			12/04/12 15:54	1
1,1-Dichloroethene	ND		5.0		mg/m3			12/04/12 15:54	1
1,1-Dichloropropene	ND		5.0		mg/m3			12/04/12 15:54	1
1,2,3-Trichlorobenzene	ND		5.0		mg/m3			12/04/12 15:54	1
1,2,3-Trichloropropane	ND		5.0		mg/m3			12/04/12 15:54	1
1,2,4-Trichlorobenzene	ND		5.0		mg/m3			12/04/12 15:54	1
1,2,4-Trimethylbenzene	ND		5.0		mg/m3			12/04/12 15:54	1
1,2-Dibromo-3-Chloropropane	ND		10		mg/m3			12/04/12 15:54	1
1,2-Dibromoethane (EDB)	ND		5.0		mg/m3			12/04/12 15:54	1
1,2-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 15:54	1
1,2-Dichloroethane	ND		5.0		mg/m3			12/04/12 15:54	1
1,2-Dichloropropane	ND		5.0		mg/m3			12/04/12 15:54	1
1,3,5-Trimethylbenzene	ND		5.0		mg/m3			12/04/12 15:54	1
1,3-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 15:54	1
1,3-Dichloropropane	ND		5.0		mg/m3			12/04/12 15:54	1
1,4-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 15:54	1
2,2-Dichloropropane	ND		5.0		mg/m3			12/04/12 15:54	1
2-Chlorotoluene	ND		5.0		mg/m3			12/04/12 15:54	1
4-Chlorotoluene	ND		5.0		mg/m3			12/04/12 15:54	1
Benzene	ND		5.0		mg/m3			12/04/12 15:54	1
Bromobenzene	ND		5.0		mg/m3			12/04/12 15:54	1
Bromochloromethane	ND		5.0		mg/m3			12/04/12 15:54	1
Bromodichloromethane	ND		5.0		mg/m3			12/04/12 15:54	1
Bromoform	ND		5.0		mg/m3			12/04/12 15:54	1
Bromomethane	ND		5.0		mg/m3			12/04/12 15:54	1
Carbon tetrachloride	ND		5.0		mg/m3			12/04/12 15:54	1
Chlorobenzene	ND		5.0		mg/m3			12/04/12 15:54	1
Chloroethane	ND		5.0		mg/m3			12/04/12 15:54	1
Chloroform	ND		5.0		mg/m3			12/04/12 15:54	1
Chloromethane	ND		5.0		mg/m3			12/04/12 15:54	1
cis-1,2-Dichloroethene	ND		5.0		mg/m3			12/04/12 15:54	1
cis-1,3-Dichloropropene	ND		5.0		mg/m3			12/04/12 15:54	1
Dibromochloromethane	ND		5.0		mg/m3			12/04/12 15:54	1
Dibromomethane	ND		5.0		mg/m3			12/04/12 15:54	1
Dichlorodifluoromethane	ND		5.0		mg/m3			12/04/12 15:54	1
Ethanol	ND		300		mg/m3			12/04/12 15:54	1
Ethylbenzene	ND		5.0		mg/m3			12/04/12 15:54	1
Ethyl-t-butyl ether (ETBE)	ND		10		mg/m3			12/04/12 15:54	1
Hexachlorobutadiene	ND		5.0		mg/m3			12/04/12 15:54	1
Isopropyl Ether (DIPE)	ND		10		mg/m3			12/04/12 15:54	1
Isopropylbenzene	ND		5.0		mg/m3			12/04/12 15:54	1
m,p-Xylene	ND		4.0		mg/m3			12/04/12 15:54	1
Methylene Chloride	ND		5.0		mg/m3			12/04/12 15:54	1
Methyl-t-Butyl Ether (MTBE)	ND		10		mg/m3			12/04/12 15:54	1

Client Sample ID: SB2-SV-5'

Lab Sample ID: 440-31316-3

Date Collected: 12/03/12 14:45

Matrix: Air

Date Received: 12/03/12 18:25

Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0		mg/m3			12/04/12 15:54	1
n-Butylbenzene	ND		5.0		mg/m3			12/04/12 15:54	1
N-Propylbenzene	ND		5.0		mg/m3			12/04/12 15:54	1
o-Xylene	ND		4.0		mg/m3			12/04/12 15:54	1
p-Isopropyltoluene	ND		5.0		mg/m3			12/04/12 15:54	1
sec-Butylbenzene	ND		5.0		mg/m3			12/04/12 15:54	1
Styrene	ND		10		mg/m3			12/04/12 15:54	1
Tert-amyl-methyl ether (TAME)	ND		10		mg/m3			12/04/12 15:54	1
tert-Butyl alcohol (TBA)	ND		100		mg/m3			12/04/12 15:54	1
tert-Butylbenzene	ND		5.0		mg/m3			12/04/12 15:54	1
Tetrachloroethene	ND		5.0		mg/m3			12/04/12 15:54	1
Toluene	ND		5.0		mg/m3			12/04/12 15:54	1
trans-1,2-Dichloroethene	ND		5.0		mg/m3			12/04/12 15:54	1
trans-1,3-Dichloropropene	ND		5.0		mg/m3			12/04/12 15:54	1
Trichloroethene	ND		5.0		mg/m3			12/04/12 15:54	1
Trichlorofluoromethane	ND		5.0		mg/m3			12/04/12 15:54	1
Vinyl chloride	ND		5.0		mg/m3			12/04/12 15:54	1
Xylenes, Total	ND		8.0		mg/m3			12/04/12 15:54	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.73		ppm v/v			12/04/12 15:54	1
1,1,1-Trichloroethane	ND		0.92		ppm v/v			12/04/12 15:54	1
1,1,2,2-Tetrachloroethane	ND		0.73		ppm v/v			12/04/12 15:54	1
1,1,2-Trichloroethane	ND		0.92		ppm v/v			12/04/12 15:54	1
1,1-Dichloroethane	ND		1.2		ppm v/v			12/04/12 15:54	1
1,1-Dichloroethene	ND		1.3		ppm v/v			12/04/12 15:54	1
1,1-Dichloropropene	ND		1.1		ppm v/v			12/04/12 15:54	1
1,2,3-Trichlorobenzene	ND		0.67		ppm v/v			12/04/12 15:54	1
1,2,3-Trichloropropane	ND		0.83		ppm v/v			12/04/12 15:54	1
1,2,4-Trichlorobenzene	ND		0.67		ppm v/v			12/04/12 15:54	1
1,2,4-Trimethylbenzene	ND		1.0		ppm v/v			12/04/12 15:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ppm v/v			12/04/12 15:54	1
1,2-Dibromoethane (EDB)	ND		0.65		ppm v/v			12/04/12 15:54	1
1,2-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 15:54	1
1,2-Dichloroethane	ND		1.2		ppm v/v			12/04/12 15:54	1
1,2-Dichloropropane	ND		1.1		ppm v/v			12/04/12 15:54	1
1,3,5-Trimethylbenzene	ND		1.0		ppm v/v			12/04/12 15:54	1
1,3-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 15:54	1
1,3-Dichloropropane	ND		1.1		ppm v/v			12/04/12 15:54	1
1,4-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 15:54	1
2,2-Dichloropropane	ND		1.1		ppm v/v			12/04/12 15:54	1
2-Chlorotoluene	ND		0.97		ppm v/v			12/04/12 15:54	1
4-Chlorotoluene	ND		0.97		ppm v/v			12/04/12 15:54	1
Benzene	ND		1.6		ppm v/v			12/04/12 15:54	1
Bromobenzene	ND		0.78		ppm v/v			12/04/12 15:54	1
Bromochloromethane	ND		0.94		ppm v/v			12/04/12 15:54	1
Bromodichloromethane	ND		0.75		ppm v/v			12/04/12 15:54	1
Bromoform	ND		0.48		ppm v/v			12/04/12 15:54	1
Bromomethane	ND		1.3		ppm v/v			12/04/12 15:54	1

Client Sample ID: SB2-SV-5'

Lab Sample ID: 440-31316-3

Date Collected: 12/03/12 14:45

Matrix: Air

Date Received: 12/03/12 18:25

Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		0.79		ppm v/v			12/04/12 15:54	1
Chlorobenzene	ND		1.1		ppm v/v			12/04/12 15:54	1
Chloroethane	ND		1.9		ppm v/v			12/04/12 15:54	1
Chloroform	ND		1.0		ppm v/v			12/04/12 15:54	1
Chloromethane	ND		2.4		ppm v/v			12/04/12 15:54	1
cis-1,2-Dichloroethene	ND		1.3		ppm v/v			12/04/12 15:54	1
cis-1,3-Dichloropropene	ND		1.1		ppm v/v			12/04/12 15:54	1
Dibromochloromethane	ND		0.59		ppm v/v			12/04/12 15:54	1
Dibromomethane	ND		0.70		ppm v/v			12/04/12 15:54	1
Dichlorodifluoromethane	ND		1.0		ppm v/v			12/04/12 15:54	1
Ethylbenzene	ND		1.2		ppm v/v			12/04/12 15:54	1
Ethyl-t-butyl ether (ETBE)	ND		2.4		ppm v/v			12/04/12 15:54	1
Hexachlorobutadiene	ND		0.47		ppm v/v			12/04/12 15:54	1
Isopropyl Ether (DIPE)	ND		2.4		ppm v/v			12/04/12 15:54	1
Isopropylbenzene	ND		1.0		ppm v/v			12/04/12 15:54	1
m,p-Xylene	ND		0.92		ppm v/v			12/04/12 15:54	1
Methylene Chloride	ND		1.4		ppm v/v			12/04/12 15:54	1
Methyl-t-Butyl Ether (MTBE)	ND		2.8		ppm v/v			12/04/12 15:54	1
Naphthalene	ND		0.95		ppm v/v			12/04/12 15:54	1
n-Butylbenzene	ND		0.91		ppm v/v			12/04/12 15:54	1
N-Propylbenzene	ND		1.0		ppm v/v			12/04/12 15:54	1
o-Xylene	ND		0.92		ppm v/v			12/04/12 15:54	1
p-Isopropyltoluene	ND		0.91		ppm v/v			12/04/12 15:54	1
sec-Butylbenzene	ND		0.91		ppm v/v			12/04/12 15:54	1
Styrene	ND		2.3		ppm v/v			12/04/12 15:54	1
Tert-amyl-methyl ether (TAME)	ND		2.4		ppm v/v			12/04/12 15:54	1
tert-Butyl alcohol (TBA)	ND		33		ppm v/v			12/04/12 15:54	1
tert-Butylbenzene	ND		0.91		ppm v/v			12/04/12 15:54	1
Tetrachloroethene	ND		0.74		ppm v/v			12/04/12 15:54	1
Toluene	ND		1.3		ppm v/v			12/04/12 15:54	1
trans-1,2-Dichloroethene	ND		1.3		ppm v/v			12/04/12 15:54	1
trans-1,3-Dichloropropene	ND		1.1		ppm v/v			12/04/12 15:54	1
Trichloroethene	ND		0.93		ppm v/v			12/04/12 15:54	1
Trichlorofluoromethane	ND		0.89		ppm v/v			12/04/12 15:54	1
Vinyl chloride	ND		2.0		ppm v/v			12/04/12 15:54	1
Xylenes, Total	ND		1.8		ppm v/v			12/04/12 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*12/04/12 15:54*	*1*
Dibromofluoromethane (Surr)	*122*	*X*	*80 - 120*		*12/04/12 15:54*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/04/12 15:54*	*1*

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Client Sample ID: SB8-SV-5'

Lab Sample ID: 440-31316-4

Date Collected: 12/03/12 14:50
Matrix: Air
Date Received: 12/03/12 18:25
Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		mg/m3			12/04/12 16:24	1
1,1,1-Trichloroethane	ND		5.0		mg/m3			12/04/12 16:24	1
1,1,2,2-Tetrachloroethane	ND		5.0		mg/m3			12/04/12 16:24	1
1,1,2-Trichloroethane	ND		5.0		mg/m3			12/04/12 16:24	1
1,1-Dichloroethane	ND		5.0		mg/m3			12/04/12 16:24	1
1,1-Dichloroethene	ND		5.0		mg/m3			12/04/12 16:24	1
1,1-Dichloropropene	ND		5.0		mg/m3			12/04/12 16:24	1
1,2,3-Trichlorobenzene	ND		5.0		mg/m3			12/04/12 16:24	1
1,2,3-Trichloropropane	ND		5.0		mg/m3			12/04/12 16:24	1
1,2,4-Trichlorobenzene	ND		5.0		mg/m3			12/04/12 16:24	1
1,2,4-Trimethylbenzene	ND		5.0		mg/m3			12/04/12 16:24	1
1,2-Dibromo-3-Chloropropane	ND		10		mg/m3			12/04/12 16:24	1
1,2-Dibromoethane (EDB)	ND		5.0		mg/m3			12/04/12 16:24	1
1,2-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 16:24	1
1,2-Dichloroethane	ND		5.0		mg/m3			12/04/12 16:24	1
1,2-Dichloropropane	ND		5.0		mg/m3			12/04/12 16:24	1
1,3,5-Trimethylbenzene	ND		5.0		mg/m3			12/04/12 16:24	1
1,3-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 16:24	1
1,3-Dichloropropane	ND		5.0		mg/m3			12/04/12 16:24	1
1,4-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 16:24	1
2,2-Dichloropropane	ND		5.0		mg/m3			12/04/12 16:24	1
2-Chlorotoluene	ND		5.0		mg/m3			12/04/12 16:24	1
4-Chlorotoluene	ND		5.0		mg/m3			12/04/12 16:24	1
Benzene	ND		5.0		mg/m3			12/04/12 16:24	1
Bromobenzene	ND		5.0		mg/m3			12/04/12 16:24	1
Bromochloromethane	ND		5.0		mg/m3			12/04/12 16:24	1
Bromodichloromethane	ND		5.0		mg/m3			12/04/12 16:24	1
Bromoform	ND		5.0		mg/m3			12/04/12 16:24	1
Bromomethane	ND		5.0		mg/m3			12/04/12 16:24	1
Carbon tetrachloride	ND		5.0		mg/m3			12/04/12 16:24	1
Chlorobenzene	ND		5.0		mg/m3			12/04/12 16:24	1
Chloroethane	ND		5.0		mg/m3			12/04/12 16:24	1
Chloroform	ND		5.0		mg/m3			12/04/12 16:24	1
Chloromethane	ND		5.0		mg/m3			12/04/12 16:24	1
cis-1,2-Dichloroethene	ND		5.0		mg/m3			12/04/12 16:24	1
cis-1,3-Dichloropropene	ND		5.0		mg/m3			12/04/12 16:24	1
Dibromochloromethane	ND		5.0		mg/m3			12/04/12 16:24	1
Dibromomethane	ND		5.0		mg/m3			12/04/12 16:24	1
Dichlorodifluoromethane	ND		5.0		mg/m3			12/04/12 16:24	1
Ethanol	ND		300		mg/m3			12/04/12 16:24	1
Ethylbenzene	ND		5.0		mg/m3			12/04/12 16:24	1
Ethyl-t-butyl ether (ETBE)	ND		10		mg/m3			12/04/12 16:24	1
Hexachlorobutadiene	ND		5.0		mg/m3			12/04/12 16:24	1
Isopropyl Ether (DIPE)	ND		10		mg/m3			12/04/12 16:24	1
Isopropylbenzene	ND		5.0		mg/m3			12/04/12 16:24	1
m,p-Xylene	ND		4.0		mg/m3			12/04/12 16:24	1
Methylene Chloride	ND		5.0		mg/m3			12/04/12 16:24	1
Methyl-t-Butyl Ether (MTBE)	ND		10		mg/m3			12/04/12 16:24	1

Client Sample ID: SB8-SV-5'

Lab Sample ID: 440-31316-4

Date Collected: 12/03/12 14:50

Matrix: Air

Date Received: 12/03/12 18:25

Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0		mg/m3			12/04/12 16:24	1
n-Butylbenzene	ND		5.0		mg/m3			12/04/12 16:24	1
N-Propylbenzene	ND		5.0		mg/m3			12/04/12 16:24	1
o-Xylene	ND		4.0		mg/m3			12/04/12 16:24	1
p-Isopropyltoluene	ND		5.0		mg/m3			12/04/12 16:24	1
sec-Butylbenzene	ND		5.0		mg/m3			12/04/12 16:24	1
Styrene	ND		10		mg/m3			12/04/12 16:24	1
Tert-amyl-methyl ether (TAME)	ND		10		mg/m3			12/04/12 16:24	1
tert-Butyl alcohol (TBA)	ND		100		mg/m3			12/04/12 16:24	1
tert-Butylbenzene	ND		5.0		mg/m3			12/04/12 16:24	1
Tetrachloroethene	ND		5.0		mg/m3			12/04/12 16:24	1
Toluene	ND		5.0		mg/m3			12/04/12 16:24	1
trans-1,2-Dichloroethene	ND		5.0		mg/m3			12/04/12 16:24	1
trans-1,3-Dichloropropene	ND		5.0		mg/m3			12/04/12 16:24	1
Trichloroethene	ND		5.0		mg/m3			12/04/12 16:24	1
Trichlorofluoromethane	ND		5.0		mg/m3			12/04/12 16:24	1
Vinyl chloride	ND		5.0		mg/m3			12/04/12 16:24	1
Xylenes, Total	ND		8.0		mg/m3			12/04/12 16:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.73		ppm v/v			12/04/12 16:24	1
1,1,1-Trichloroethane	ND		0.92		ppm v/v			12/04/12 16:24	1
1,1,2,2-Tetrachloroethane	ND		0.73		ppm v/v			12/04/12 16:24	1
1,1,2-Trichloroethane	ND		0.92		ppm v/v			12/04/12 16:24	1
1,1-Dichloroethane	ND		1.2		ppm v/v			12/04/12 16:24	1
1,1-Dichloroethene	ND		1.3		ppm v/v			12/04/12 16:24	1
1,1-Dichloropropene	ND		1.1		ppm v/v			12/04/12 16:24	1
1,2,3-Trichlorobenzene	ND		0.67		ppm v/v			12/04/12 16:24	1
1,2,3-Trichloropropane	ND		0.83		ppm v/v			12/04/12 16:24	1
1,2,4-Trichlorobenzene	ND		0.67		ppm v/v			12/04/12 16:24	1
1,2,4-Trimethylbenzene	ND		1.0		ppm v/v			12/04/12 16:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ppm v/v			12/04/12 16:24	1
1,2-Dibromoethane (EDB)	ND		0.65		ppm v/v			12/04/12 16:24	1
1,2-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 16:24	1
1,2-Dichloroethane	ND		1.2		ppm v/v			12/04/12 16:24	1
1,2-Dichloropropane	ND		1.1		ppm v/v			12/04/12 16:24	1
1,3,5-Trimethylbenzene	ND		1.0		ppm v/v			12/04/12 16:24	1
1,3-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 16:24	1
1,3-Dichloropropane	ND		1.1		ppm v/v			12/04/12 16:24	1
1,4-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 16:24	1
2,2-Dichloropropane	ND		1.1		ppm v/v			12/04/12 16:24	1
2-Chlorotoluene	ND		0.97		ppm v/v			12/04/12 16:24	1
4-Chlorotoluene	ND		0.97		ppm v/v			12/04/12 16:24	1
Benzene	ND		1.6		ppm v/v			12/04/12 16:24	1
Bromobenzene	ND		0.78		ppm v/v			12/04/12 16:24	1
Bromochloromethane	ND		0.94		ppm v/v			12/04/12 16:24	1
Bromodichloromethane	ND		0.75		ppm v/v			12/04/12 16:24	1
Bromoform	ND		0.48		ppm v/v			12/04/12 16:24	1
Bromomethane	ND		1.3		ppm v/v			12/04/12 16:24	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Client Sample ID: SB8-SV-5'

Lab Sample ID: 440-31316-4

Date Collected: 12/03/12 14:50
Matrix: Air
Date Received: 12/03/12 18:25
Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		0.79		ppm v/v			12/04/12 16:24	1
Chlorobenzene	ND		1.1		ppm v/v			12/04/12 16:24	1
Chloroethane	ND		1.9		ppm v/v			12/04/12 16:24	1
Chloroform	ND		1.0		ppm v/v			12/04/12 16:24	1
Chloromethane	ND		2.4		ppm v/v			12/04/12 16:24	1
cis-1,2-Dichloroethene	ND		1.3		ppm v/v			12/04/12 16:24	1
cis-1,3-Dichloropropene	ND		1.1		ppm v/v			12/04/12 16:24	1
Dibromochloromethane	ND		0.59		ppm v/v			12/04/12 16:24	1
Dibromomethane	ND		0.70		ppm v/v			12/04/12 16:24	1
Dichlorodifluoromethane	ND		1.0		ppm v/v			12/04/12 16:24	1
Ethylbenzene	ND		1.2		ppm v/v			12/04/12 16:24	1
Ethyl-t-butyl ether (ETBE)	ND		2.4		ppm v/v			12/04/12 16:24	1
Hexachlorobutadiene	ND		0.47		ppm v/v			12/04/12 16:24	1
Isopropyl Ether (DIPE)	ND		2.4		ppm v/v			12/04/12 16:24	1
Isopropylbenzene	ND		1.0		ppm v/v			12/04/12 16:24	1
m,p-Xylene	ND		0.92		ppm v/v			12/04/12 16:24	1
Methylene Chloride	ND		1.4		ppm v/v			12/04/12 16:24	1
Methyl-t-Butyl Ether (MTBE)	ND		2.8		ppm v/v			12/04/12 16:24	1
Naphthalene	ND		0.95		ppm v/v			12/04/12 16:24	1
n-Butylbenzene	ND		0.91		ppm v/v			12/04/12 16:24	1
N-Propylbenzene	ND		1.0		ppm v/v			12/04/12 16:24	1
o-Xylene	ND		0.92		ppm v/v			12/04/12 16:24	1
p-Isopropyltoluene	ND		0.91		ppm v/v			12/04/12 16:24	1
sec-Butylbenzene	ND		0.91		ppm v/v			12/04/12 16:24	1
Styrene	ND		2.3		ppm v/v			12/04/12 16:24	1
Tert-amyl-methyl ether (TAME)	ND		2.4		ppm v/v			12/04/12 16:24	1
tert-Butyl alcohol (TBA)	ND		33		ppm v/v			12/04/12 16:24	1
tert-Butylbenzene	ND		0.91		ppm v/v			12/04/12 16:24	1
Tetrachloroethene	ND		0.74		ppm v/v			12/04/12 16:24	1
Toluene	ND		1.3		ppm v/v			12/04/12 16:24	1
trans-1,2-Dichloroethene	ND		1.3		ppm v/v			12/04/12 16:24	1
trans-1,3-Dichloropropene	ND		1.1		ppm v/v			12/04/12 16:24	1
Trichloroethene	ND		0.93		ppm v/v			12/04/12 16:24	1
Trichlorofluoromethane	ND		0.89		ppm v/v			12/04/12 16:24	1
Vinyl chloride	ND		2.0		ppm v/v			12/04/12 16:24	1
Xylenes, Total	ND		1.8		ppm v/v			12/04/12 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*12/04/12 16:24*	*1*
Dibromofluoromethane (Surr)	*119*		*80 - 120*		*12/04/12 16:24*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*12/04/12 16:24*	*1*

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Client Sample ID: SB9-SV-5'

Lab Sample ID: 440-31316-5

Date Collected: 12/03/12 14:55
Matrix: Air
Date Received: 12/03/12 18:25
Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		mg/m3			12/04/12 16:53	1
1,1,1-Trichloroethane	ND		5.0		mg/m3			12/04/12 16:53	1
1,1,2,2-Tetrachloroethane	ND		5.0		mg/m3			12/04/12 16:53	1
1,1,2-Trichloroethane	ND		5.0		mg/m3			12/04/12 16:53	1
1,1-Dichloroethane	ND		5.0		mg/m3			12/04/12 16:53	1
1,1-Dichloroethene	ND		5.0		mg/m3			12/04/12 16:53	1
1,1-Dichloropropene	ND		5.0		mg/m3			12/04/12 16:53	1
1,2,3-Trichlorobenzene	ND		5.0		mg/m3			12/04/12 16:53	1
1,2,3-Trichloropropane	ND		5.0		mg/m3			12/04/12 16:53	1
1,2,4-Trichlorobenzene	ND		5.0		mg/m3			12/04/12 16:53	1
1,2,4-Trimethylbenzene	ND		5.0		mg/m3			12/04/12 16:53	1
1,2-Dibromo-3-Chloropropane	ND		10		mg/m3			12/04/12 16:53	1
1,2-Dibromoethane (EDB)	ND		5.0		mg/m3			12/04/12 16:53	1
1,2-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 16:53	1
1,2-Dichloroethane	ND		5.0		mg/m3			12/04/12 16:53	1
1,2-Dichloropropane	ND		5.0		mg/m3			12/04/12 16:53	1
1,3,5-Trimethylbenzene	ND		5.0		mg/m3			12/04/12 16:53	1
1,3-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 16:53	1
1,3-Dichloropropane	ND		5.0		mg/m3			12/04/12 16:53	1
1,4-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 16:53	1
2,2-Dichloropropane	ND		5.0		mg/m3			12/04/12 16:53	1
2-Chlorotoluene	ND		5.0		mg/m3			12/04/12 16:53	1
4-Chlorotoluene	ND		5.0		mg/m3			12/04/12 16:53	1
Benzene	ND		5.0		mg/m3			12/04/12 16:53	1
Bromobenzene	ND		5.0		mg/m3			12/04/12 16:53	1
Bromochloromethane	ND		5.0		mg/m3			12/04/12 16:53	1
Bromodichloromethane	ND		5.0		mg/m3			12/04/12 16:53	1
Bromoform	ND		5.0		mg/m3			12/04/12 16:53	1
Bromomethane	ND		5.0		mg/m3			12/04/12 16:53	1
Carbon tetrachloride	ND		5.0		mg/m3			12/04/12 16:53	1
Chlorobenzene	ND		5.0		mg/m3			12/04/12 16:53	1
Chloroethane	ND		5.0		mg/m3			12/04/12 16:53	1
Chloroform	ND		5.0		mg/m3			12/04/12 16:53	1
Chloromethane	ND		5.0		mg/m3			12/04/12 16:53	1
cis-1,2-Dichloroethene	ND		5.0		mg/m3			12/04/12 16:53	1
cis-1,3-Dichloropropene	ND		5.0		mg/m3			12/04/12 16:53	1
Dibromochloromethane	ND		5.0		mg/m3			12/04/12 16:53	1
Dibromomethane	ND		5.0		mg/m3			12/04/12 16:53	1
Dichlorodifluoromethane	ND		5.0		mg/m3			12/04/12 16:53	1
Ethanol	ND		300		mg/m3			12/04/12 16:53	1
Ethylbenzene	ND		5.0		mg/m3			12/04/12 16:53	1
Ethyl-t-butyl ether (ETBE)	ND		10		mg/m3			12/04/12 16:53	1
Hexachlorobutadiene	ND		5.0		mg/m3			12/04/12 16:53	1
Isopropyl Ether (DIPE)	ND		10		mg/m3			12/04/12 16:53	1
Isopropylbenzene	ND		5.0		mg/m3			12/04/12 16:53	1
m,p-Xylene	ND		4.0		mg/m3			12/04/12 16:53	1
Methylene Chloride	ND		5.0		mg/m3			12/04/12 16:53	1
Methyl-t-Butyl Ether (MTBE)	ND		10		mg/m3			12/04/12 16:53	1

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Client Sample ID: SB9-SV-5'
Date Collected: 12/03/12 14:55
Date Received: 12/03/12 18:25
Sample Container: Tedlar Bag 1L

Lab Sample ID: 440-31316-5
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0		mg/m3			12/04/12 16:53	1
n-Butylbenzene	ND		5.0		mg/m3			12/04/12 16:53	1
N-Propylbenzene	ND		5.0		mg/m3			12/04/12 16:53	1
o-Xylene	ND		4.0		mg/m3			12/04/12 16:53	1
p-Isopropyltoluene	ND		5.0		mg/m3			12/04/12 16:53	1
sec-Butylbenzene	ND		5.0		mg/m3			12/04/12 16:53	1
Styrene	ND		10		mg/m3			12/04/12 16:53	1
Tert-amyl-methyl ether (TAME)	ND		10		mg/m3			12/04/12 16:53	1
tert-Butyl alcohol (TBA)	ND		100		mg/m3			12/04/12 16:53	1
tert-Butylbenzene	ND		5.0		mg/m3			12/04/12 16:53	1
Tetrachloroethene	ND		5.0		mg/m3			12/04/12 16:53	1
Toluene	ND		5.0		mg/m3			12/04/12 16:53	1
trans-1,2-Dichloroethene	ND		5.0		mg/m3			12/04/12 16:53	1
trans-1,3-Dichloropropene	ND		5.0		mg/m3			12/04/12 16:53	1
Trichloroethene	ND		5.0		mg/m3			12/04/12 16:53	1
Trichlorofluoromethane	ND		5.0		mg/m3			12/04/12 16:53	1
Vinyl chloride	ND		5.0		mg/m3			12/04/12 16:53	1
Xylenes, Total	ND		8.0		mg/m3			12/04/12 16:53	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.73		ppm v/v			12/04/12 16:53	1
1,1,1-Trichloroethane	ND		0.92		ppm v/v			12/04/12 16:53	1
1,1,2,2-Tetrachloroethane	ND		0.73		ppm v/v			12/04/12 16:53	1
1,1,2-Trichloroethane	ND		0.92		ppm v/v			12/04/12 16:53	1
1,1-Dichloroethane	ND		1.2		ppm v/v			12/04/12 16:53	1
1,1-Dichloroethene	ND		1.3		ppm v/v			12/04/12 16:53	1
1,1-Dichloropropene	ND		1.1		ppm v/v			12/04/12 16:53	1
1,2,3-Trichlorobenzene	ND		0.67		ppm v/v			12/04/12 16:53	1
1,2,3-Trichloropropane	ND		0.83		ppm v/v			12/04/12 16:53	1
1,2,4-Trichlorobenzene	ND		0.67		ppm v/v			12/04/12 16:53	1
1,2,4-Trimethylbenzene	ND		1.0		ppm v/v			12/04/12 16:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ppm v/v			12/04/12 16:53	1
1,2-Dibromoethane (EDB)	ND		0.65		ppm v/v			12/04/12 16:53	1
1,2-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 16:53	1
1,2-Dichloroethane	ND		1.2		ppm v/v			12/04/12 16:53	1
1,2-Dichloropropane	ND		1.1		ppm v/v			12/04/12 16:53	1
1,3,5-Trimethylbenzene	ND		1.0		ppm v/v			12/04/12 16:53	1
1,3-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 16:53	1
1,3-Dichloropropane	ND		1.1		ppm v/v			12/04/12 16:53	1
1,4-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 16:53	1
2,2-Dichloropropane	ND		1.1		ppm v/v			12/04/12 16:53	1
2-Chlorotoluene	ND		0.97		ppm v/v			12/04/12 16:53	1
4-Chlorotoluene	ND		0.97		ppm v/v			12/04/12 16:53	1
Benzene	ND		1.6		ppm v/v			12/04/12 16:53	1
Bromobenzene	ND		0.78		ppm v/v			12/04/12 16:53	1
Bromochloromethane	ND		0.94		ppm v/v			12/04/12 16:53	1
Bromodichloromethane	ND		0.75		ppm v/v			12/04/12 16:53	1
Bromoform	ND		0.48		ppm v/v			12/04/12 16:53	1
Bromomethane	ND		1.3		ppm v/v			12/04/12 16:53	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Client Sample ID: SB9-SV-5'

Lab Sample ID: 440-31316-5

Date Collected: 12/03/12 14:55
Matrix: Air
Date Received: 12/03/12 18:25
Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		0.79		ppm v/v			12/04/12 16:53	1
Chlorobenzene	ND		1.1		ppm v/v			12/04/12 16:53	1
Chloroethane	ND		1.9		ppm v/v			12/04/12 16:53	1
Chloroform	ND		1.0		ppm v/v			12/04/12 16:53	1
Chloromethane	ND		2.4		ppm v/v			12/04/12 16:53	1
cis-1,2-Dichloroethene	ND		1.3		ppm v/v			12/04/12 16:53	1
cis-1,3-Dichloropropene	ND		1.1		ppm v/v			12/04/12 16:53	1
Dibromochloromethane	ND		0.59		ppm v/v			12/04/12 16:53	1
Dibromomethane	ND		0.70		ppm v/v			12/04/12 16:53	1
Dichlorodifluoromethane	ND		1.0		ppm v/v			12/04/12 16:53	1
Ethylbenzene	ND		1.2		ppm v/v			12/04/12 16:53	1
Ethyl-t-butyl ether (ETBE)	ND		2.4		ppm v/v			12/04/12 16:53	1
Hexachlorobutadiene	ND		0.47		ppm v/v			12/04/12 16:53	1
Isopropyl Ether (DIPE)	ND		2.4		ppm v/v			12/04/12 16:53	1
Isopropylbenzene	ND		1.0		ppm v/v			12/04/12 16:53	1
m,p-Xylene	ND		0.92		ppm v/v			12/04/12 16:53	1
Methylene Chloride	ND		1.4		ppm v/v			12/04/12 16:53	1
Methyl-t-Butyl Ether (MTBE)	ND		2.8		ppm v/v			12/04/12 16:53	1
Naphthalene	ND		0.95		ppm v/v			12/04/12 16:53	1
n-Butylbenzene	ND		0.91		ppm v/v			12/04/12 16:53	1
N-Propylbenzene	ND		1.0		ppm v/v			12/04/12 16:53	1
o-Xylene	ND		0.92		ppm v/v			12/04/12 16:53	1
p-Isopropyltoluene	ND		0.91		ppm v/v			12/04/12 16:53	1
sec-Butylbenzene	ND		0.91		ppm v/v			12/04/12 16:53	1
Styrene	ND		2.3		ppm v/v			12/04/12 16:53	1
Tert-amyl-methyl ether (TAME)	ND		2.4		ppm v/v			12/04/12 16:53	1
tert-Butyl alcohol (TBA)	ND		33		ppm v/v			12/04/12 16:53	1
tert-Butylbenzene	ND		0.91		ppm v/v			12/04/12 16:53	1
Tetrachloroethene	ND		0.74		ppm v/v			12/04/12 16:53	1
Toluene	ND		1.3		ppm v/v			12/04/12 16:53	1
trans-1,2-Dichloroethene	ND		1.3		ppm v/v			12/04/12 16:53	1
trans-1,3-Dichloropropene	ND		1.1		ppm v/v			12/04/12 16:53	1
Trichloroethene	ND		0.93		ppm v/v			12/04/12 16:53	1
Trichlorofluoromethane	ND		0.89		ppm v/v			12/04/12 16:53	1
Vinyl chloride	ND		2.0		ppm v/v			12/04/12 16:53	1
Xylenes, Total	ND		1.8		ppm v/v			12/04/12 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*12/04/12 16:53*	*1*
Dibromofluoromethane (Surr)	*122*	*X*	*80 - 120*		*12/04/12 16:53*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*12/04/12 16:53*	*1*

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Client Sample ID: SB6-SV-5'

Lab Sample ID: 440-31316-6

Date Collected: 12/03/12 15:10
Matrix: Air
Date Received: 12/03/12 18:25
Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		mg/m3			12/04/12 17:22	1
1,1,1-Trichloroethane	ND		5.0		mg/m3			12/04/12 17:22	1
1,1,2,2-Tetrachloroethane	ND		5.0		mg/m3			12/04/12 17:22	1
1,1,2-Trichloroethane	ND		5.0		mg/m3			12/04/12 17:22	1
1,1-Dichloroethane	ND		5.0		mg/m3			12/04/12 17:22	1
1,1-Dichloroethene	ND		5.0		mg/m3			12/04/12 17:22	1
1,1-Dichloropropene	ND		5.0		mg/m3			12/04/12 17:22	1
1,2,3-Trichlorobenzene	ND		5.0		mg/m3			12/04/12 17:22	1
1,2,3-Trichloropropane	ND		5.0		mg/m3			12/04/12 17:22	1
1,2,4-Trichlorobenzene	ND		5.0		mg/m3			12/04/12 17:22	1
1,2,4-Trimethylbenzene	ND		5.0		mg/m3			12/04/12 17:22	1
1,2-Dibromo-3-Chloropropane	ND		10		mg/m3			12/04/12 17:22	1
1,2-Dibromoethane (EDB)	ND		5.0		mg/m3			12/04/12 17:22	1
1,2-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 17:22	1
1,2-Dichloroethane	ND		5.0		mg/m3			12/04/12 17:22	1
1,2-Dichloropropane	ND		5.0		mg/m3			12/04/12 17:22	1
1,3,5-Trimethylbenzene	ND		5.0		mg/m3			12/04/12 17:22	1
1,3-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 17:22	1
1,3-Dichloropropane	ND		5.0		mg/m3			12/04/12 17:22	1
1,4-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 17:22	1
2,2-Dichloropropane	ND		5.0		mg/m3			12/04/12 17:22	1
2-Chlorotoluene	ND		5.0		mg/m3			12/04/12 17:22	1
4-Chlorotoluene	ND		5.0		mg/m3			12/04/12 17:22	1
Benzene	ND		5.0		mg/m3			12/04/12 17:22	1
Bromobenzene	ND		5.0		mg/m3			12/04/12 17:22	1
Bromochloromethane	ND		5.0		mg/m3			12/04/12 17:22	1
Bromodichloromethane	ND		5.0		mg/m3			12/04/12 17:22	1
Bromoform	ND		5.0		mg/m3			12/04/12 17:22	1
Bromomethane	ND		5.0		mg/m3			12/04/12 17:22	1
Carbon tetrachloride	ND		5.0		mg/m3			12/04/12 17:22	1
Chlorobenzene	ND		5.0		mg/m3			12/04/12 17:22	1
Chloroethane	ND		5.0		mg/m3			12/04/12 17:22	1
Chloroform	ND		5.0		mg/m3			12/04/12 17:22	1
Chloromethane	ND		5.0		mg/m3			12/04/12 17:22	1
cis-1,2-Dichloroethene	ND		5.0		mg/m3			12/04/12 17:22	1
cis-1,3-Dichloropropene	ND		5.0		mg/m3			12/04/12 17:22	1
Dibromochloromethane	ND		5.0		mg/m3			12/04/12 17:22	1
Dibromomethane	ND		5.0		mg/m3			12/04/12 17:22	1
Dichlorodifluoromethane	ND		5.0		mg/m3			12/04/12 17:22	1
Ethanol	ND		300		mg/m3			12/04/12 17:22	1
Ethylbenzene	ND		5.0		mg/m3			12/04/12 17:22	1
Ethyl-t-butyl ether (ETBE)	ND		10		mg/m3			12/04/12 17:22	1
Hexachlorobutadiene	ND		5.0		mg/m3			12/04/12 17:22	1
Isopropyl Ether (DIPE)	ND		10		mg/m3			12/04/12 17:22	1
Isopropylbenzene	ND		5.0		mg/m3			12/04/12 17:22	1
m,p-Xylene	ND		4.0		mg/m3			12/04/12 17:22	1
Methylene Chloride	ND		5.0		mg/m3			12/04/12 17:22	1
Methyl-t-Butyl Ether (MTBE)	ND		10		mg/m3			12/04/12 17:22	1

Client Sample ID: SB6-SV-5'

Lab Sample ID: 440-31316-6

Date Collected: 12/03/12 15:10

Matrix: Air

Date Received: 12/03/12 18:25

Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0		mg/m3			12/04/12 17:22	1
n-Butylbenzene	ND		5.0		mg/m3			12/04/12 17:22	1
N-Propylbenzene	ND		5.0		mg/m3			12/04/12 17:22	1
o-Xylene	ND		4.0		mg/m3			12/04/12 17:22	1
p-Isopropyltoluene	ND		5.0		mg/m3			12/04/12 17:22	1
sec-Butylbenzene	ND		5.0		mg/m3			12/04/12 17:22	1
Styrene	ND		10		mg/m3			12/04/12 17:22	1
Tert-amyl-methyl ether (TAME)	ND		10		mg/m3			12/04/12 17:22	1
tert-Butyl alcohol (TBA)	ND		100		mg/m3			12/04/12 17:22	1
tert-Butylbenzene	ND		5.0		mg/m3			12/04/12 17:22	1
Tetrachloroethene	ND		5.0		mg/m3			12/04/12 17:22	1
Toluene	ND		5.0		mg/m3			12/04/12 17:22	1
trans-1,2-Dichloroethene	ND		5.0		mg/m3			12/04/12 17:22	1
trans-1,3-Dichloropropene	ND		5.0		mg/m3			12/04/12 17:22	1
Trichloroethene	ND		5.0		mg/m3			12/04/12 17:22	1
Trichlorofluoromethane	ND		5.0		mg/m3			12/04/12 17:22	1
Vinyl chloride	ND		5.0		mg/m3			12/04/12 17:22	1
Xylenes, Total	ND		8.0		mg/m3			12/04/12 17:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.73		ppm v/v			12/04/12 17:22	1
1,1,1-Trichloroethane	ND		0.92		ppm v/v			12/04/12 17:22	1
1,1,2,2-Tetrachloroethane	ND		0.73		ppm v/v			12/04/12 17:22	1
1,1,2-Trichloroethane	ND		0.92		ppm v/v			12/04/12 17:22	1
1,1-Dichloroethane	ND		1.2		ppm v/v			12/04/12 17:22	1
1,1-Dichloroethene	ND		1.3		ppm v/v			12/04/12 17:22	1
1,1-Dichloropropene	ND		1.1		ppm v/v			12/04/12 17:22	1
1,2,3-Trichlorobenzene	ND		0.67		ppm v/v			12/04/12 17:22	1
1,2,3-Trichloropropane	ND		0.83		ppm v/v			12/04/12 17:22	1
1,2,4-Trichlorobenzene	ND		0.67		ppm v/v			12/04/12 17:22	1
1,2,4-Trimethylbenzene	ND		1.0		ppm v/v			12/04/12 17:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ppm v/v			12/04/12 17:22	1
1,2-Dibromoethane (EDB)	ND		0.65		ppm v/v			12/04/12 17:22	1
1,2-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 17:22	1
1,2-Dichloroethane	ND		1.2		ppm v/v			12/04/12 17:22	1
1,2-Dichloropropane	ND		1.1		ppm v/v			12/04/12 17:22	1
1,3,5-Trimethylbenzene	ND		1.0		ppm v/v			12/04/12 17:22	1
1,3-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 17:22	1
1,3-Dichloropropane	ND		1.1		ppm v/v			12/04/12 17:22	1
1,4-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 17:22	1
2,2-Dichloropropane	ND		1.1		ppm v/v			12/04/12 17:22	1
2-Chlorotoluene	ND		0.97		ppm v/v			12/04/12 17:22	1
4-Chlorotoluene	ND		0.97		ppm v/v			12/04/12 17:22	1
Benzene	ND		1.6		ppm v/v			12/04/12 17:22	1
Bromobenzene	ND		0.78		ppm v/v			12/04/12 17:22	1
Bromochloromethane	ND		0.94		ppm v/v			12/04/12 17:22	1
Bromodichloromethane	ND		0.75		ppm v/v			12/04/12 17:22	1
Bromoform	ND		0.48		ppm v/v			12/04/12 17:22	1
Bromomethane	ND		1.3		ppm v/v			12/04/12 17:22	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Client Sample ID: SB6-SV-5'

Lab Sample ID: 440-31316-6

Date Collected: 12/03/12 15:10
Matrix: Air
Date Received: 12/03/12 18:25
Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		0.79		ppm v/v			12/04/12 17:22	1
Chlorobenzene	ND		1.1		ppm v/v			12/04/12 17:22	1
Chloroethane	ND		1.9		ppm v/v			12/04/12 17:22	1
Chloroform	ND		1.0		ppm v/v			12/04/12 17:22	1
Chloromethane	ND		2.4		ppm v/v			12/04/12 17:22	1
cis-1,2-Dichloroethene	ND		1.3		ppm v/v			12/04/12 17:22	1
cis-1,3-Dichloropropene	ND		1.1		ppm v/v			12/04/12 17:22	1
Dibromochloromethane	ND		0.59		ppm v/v			12/04/12 17:22	1
Dibromomethane	ND		0.70		ppm v/v			12/04/12 17:22	1
Dichlorodifluoromethane	ND		1.0		ppm v/v			12/04/12 17:22	1
Ethylbenzene	ND		1.2		ppm v/v			12/04/12 17:22	1
Ethyl-t-butyl ether (ETBE)	ND		2.4		ppm v/v			12/04/12 17:22	1
Hexachlorobutadiene	ND		0.47		ppm v/v			12/04/12 17:22	1
Isopropyl Ether (DIPE)	ND		2.4		ppm v/v			12/04/12 17:22	1
Isopropylbenzene	ND		1.0		ppm v/v			12/04/12 17:22	1
m,p-Xylene	ND		0.92		ppm v/v			12/04/12 17:22	1
Methylene Chloride	ND		1.4		ppm v/v			12/04/12 17:22	1
Methyl-t-Butyl Ether (MTBE)	ND		2.8		ppm v/v			12/04/12 17:22	1
Naphthalene	ND		0.95		ppm v/v			12/04/12 17:22	1
n-Butylbenzene	ND		0.91		ppm v/v			12/04/12 17:22	1
N-Propylbenzene	ND		1.0		ppm v/v			12/04/12 17:22	1
o-Xylene	ND		0.92		ppm v/v			12/04/12 17:22	1
p-Isopropyltoluene	ND		0.91		ppm v/v			12/04/12 17:22	1
sec-Butylbenzene	ND		0.91		ppm v/v			12/04/12 17:22	1
Styrene	ND		2.3		ppm v/v			12/04/12 17:22	1
Tert-amyl-methyl ether (TAME)	ND		2.4		ppm v/v			12/04/12 17:22	1
tert-Butyl alcohol (TBA)	ND		33		ppm v/v			12/04/12 17:22	1
tert-Butylbenzene	ND		0.91		ppm v/v			12/04/12 17:22	1
Tetrachloroethene	ND		0.74		ppm v/v			12/04/12 17:22	1
Toluene	ND		1.3		ppm v/v			12/04/12 17:22	1
trans-1,2-Dichloroethene	ND		1.3		ppm v/v			12/04/12 17:22	1
trans-1,3-Dichloropropene	ND		1.1		ppm v/v			12/04/12 17:22	1
Trichloroethene	ND		0.93		ppm v/v			12/04/12 17:22	1
Trichlorofluoromethane	ND		0.89		ppm v/v			12/04/12 17:22	1
Vinyl chloride	ND		2.0		ppm v/v			12/04/12 17:22	1
Xylenes, Total	ND		1.8		ppm v/v			12/04/12 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*12/04/12 17:22*	*1*
Dibromofluoromethane (Surr)	*122*	*X*	*80 - 120*		*12/04/12 17:22*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*12/04/12 17:22*	*1*

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

Client Sample ID: SB7-SV-5'
Lab Sample ID: 440-31316-1
Date Collected: 12/03/12 14:25
Matrix: Air
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 cc	10 mL	70980	12/04/12 14:56	BD	TAL IRV

Client Sample ID: SB4-SV-5'
Lab Sample ID: 440-31316-2
Date Collected: 12/03/12 14:40
Matrix: Air
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 cc	10 mL	70980	12/04/12 15:25	BD	TAL IRV

Client Sample ID: SB2-SV-5'
Lab Sample ID: 440-31316-3
Date Collected: 12/03/12 14:45
Matrix: Air
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 cc	10 mL	70980	12/04/12 15:54	BD	TAL IRV

Client Sample ID: SB8-SV-5'
Lab Sample ID: 440-31316-4
Date Collected: 12/03/12 14:50
Matrix: Air
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 cc	10 mL	70980	12/04/12 16:24	BD	TAL IRV

Client Sample ID: SB9-SV-5'
Lab Sample ID: 440-31316-5
Date Collected: 12/03/12 14:55
Matrix: Air
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 cc	10 mL	70980	12/04/12 16:53	BD	TAL IRV

Client Sample ID: SB6-SV-5'
Lab Sample ID: 440-31316-6
Date Collected: 12/03/12 15:10
Matrix: Air
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 cc	10 mL	70980	12/04/12 17:22	BD	TAL IRV

Laboratory References:

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

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

Lab Sample ID: MB 440-70980/6
Matrix: Air
Analysis Batch: 70980

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		mg/m3			12/04/12 10:04	1
1,1,1-Trichloroethane	ND		5.0		mg/m3			12/04/12 10:04	1
1,1,2,2-Tetrachloroethane	ND		5.0		mg/m3			12/04/12 10:04	1
1,1,2-Trichloroethane	ND		5.0		mg/m3			12/04/12 10:04	1
1,1-Dichloroethane	ND		5.0		mg/m3			12/04/12 10:04	1
1,1-Dichloroethene	ND		5.0		mg/m3			12/04/12 10:04	1
1,1-Dichloropropene	ND		5.0		mg/m3			12/04/12 10:04	1
1,2,3-Trichlorobenzene	ND		5.0		mg/m3			12/04/12 10:04	1
1,2,3-Trichloropropane	ND		5.0		mg/m3			12/04/12 10:04	1
1,2,4-Trichlorobenzene	ND		5.0		mg/m3			12/04/12 10:04	1
1,2,4-Trimethylbenzene	ND		5.0		mg/m3			12/04/12 10:04	1
1,2-Dibromo-3-Chloropropane	ND		10		mg/m3			12/04/12 10:04	1
1,2-Dibromoethane (EDB)	ND		5.0		mg/m3			12/04/12 10:04	1
1,2-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 10:04	1
1,2-Dichloroethane	ND		5.0		mg/m3			12/04/12 10:04	1
1,2-Dichloropropane	ND		5.0		mg/m3			12/04/12 10:04	1
1,3,5-Trimethylbenzene	ND		5.0		mg/m3			12/04/12 10:04	1
1,3-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 10:04	1
1,3-Dichloropropane	ND		5.0		mg/m3			12/04/12 10:04	1
1,4-Dichlorobenzene	ND		5.0		mg/m3			12/04/12 10:04	1
2,2-Dichloropropane	ND		5.0		mg/m3			12/04/12 10:04	1
2-Chlorotoluene	ND		5.0		mg/m3			12/04/12 10:04	1
4-Chlorotoluene	ND		5.0		mg/m3			12/04/12 10:04	1
Benzene	ND		5.0		mg/m3			12/04/12 10:04	1
Bromobenzene	ND		5.0		mg/m3			12/04/12 10:04	1
Bromochloromethane	ND		5.0		mg/m3			12/04/12 10:04	1
Bromodichloromethane	ND		5.0		mg/m3			12/04/12 10:04	1
Bromoform	ND		5.0		mg/m3			12/04/12 10:04	1
Bromomethane	ND		5.0		mg/m3			12/04/12 10:04	1
Carbon tetrachloride	ND		5.0		mg/m3			12/04/12 10:04	1
Chlorobenzene	ND		5.0		mg/m3			12/04/12 10:04	1
Chloroethane	ND		5.0		mg/m3			12/04/12 10:04	1
Chloroform	ND		5.0		mg/m3			12/04/12 10:04	1
Chloromethane	ND		5.0		mg/m3			12/04/12 10:04	1
cis-1,2-Dichloroethene	ND		5.0		mg/m3			12/04/12 10:04	1
cis-1,3-Dichloropropene	ND		5.0		mg/m3			12/04/12 10:04	1
Dibromochloromethane	ND		5.0		mg/m3			12/04/12 10:04	1
Dibromomethane	ND		5.0		mg/m3			12/04/12 10:04	1
Dichlorodifluoromethane	ND		5.0		mg/m3			12/04/12 10:04	1
Ethanol	ND		300		mg/m3			12/04/12 10:04	1
Ethylbenzene	ND		5.0		mg/m3			12/04/12 10:04	1
Ethyl-t-butyl ether (ETBE)	ND		10		mg/m3			12/04/12 10:04	1
Hexachlorobutadiene	ND		5.0		mg/m3			12/04/12 10:04	1
Isopropyl Ether (DIPE)	ND		10		mg/m3			12/04/12 10:04	1
Isopropylbenzene	ND		5.0		mg/m3			12/04/12 10:04	1
m,p-Xylene	ND		4.0		mg/m3			12/04/12 10:04	1
Methylene Chloride	ND		5.0		mg/m3			12/04/12 10:04	1
Methyl-t-Butyl Ether (MTBE)	ND		10		mg/m3			12/04/12 10:04	1

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

Lab Sample ID: MB 440-70980/6
Matrix: Air
Analysis Batch: 70980

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0		mg/m3			12/04/12 10:04	1
n-Butylbenzene	ND		5.0		mg/m3			12/04/12 10:04	1
N-Propylbenzene	ND		5.0		mg/m3			12/04/12 10:04	1
o-Xylene	ND		4.0		mg/m3			12/04/12 10:04	1
p-Isopropyltoluene	ND		5.0		mg/m3			12/04/12 10:04	1
sec-Butylbenzene	ND		5.0		mg/m3			12/04/12 10:04	1
Styrene	ND		10		mg/m3			12/04/12 10:04	1
Tert-amyl-methyl ether (TAME)	ND		10		mg/m3			12/04/12 10:04	1
tert-Butyl alcohol (TBA)	ND		100		mg/m3			12/04/12 10:04	1
tert-Butylbenzene	ND		5.0		mg/m3			12/04/12 10:04	1
Tetrachloroethene	ND		5.0		mg/m3			12/04/12 10:04	1
Toluene	ND		5.0		mg/m3			12/04/12 10:04	1
trans-1,2-Dichloroethene	ND		5.0		mg/m3			12/04/12 10:04	1
trans-1,3-Dichloropropene	ND		5.0		mg/m3			12/04/12 10:04	1
Trichloroethene	ND		5.0		mg/m3			12/04/12 10:04	1
Trichlorofluoromethane	ND		5.0		mg/m3			12/04/12 10:04	1
Vinyl chloride	ND		5.0		mg/m3			12/04/12 10:04	1
Xylenes, Total	ND		8.0		mg/m3			12/04/12 10:04	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.73		ppm v/v			12/04/12 10:04	1
1,1,1-Trichloroethane	ND		0.92		ppm v/v			12/04/12 10:04	1
1,1,2,2-Tetrachloroethane	ND		0.73		ppm v/v			12/04/12 10:04	1
1,1,2-Trichloroethane	ND		0.92		ppm v/v			12/04/12 10:04	1
1,1-Dichloroethane	ND		1.2		ppm v/v			12/04/12 10:04	1
1,1-Dichloroethene	ND		1.3		ppm v/v			12/04/12 10:04	1
1,1-Dichloropropene	ND		1.1		ppm v/v			12/04/12 10:04	1
1,2,3-Trichlorobenzene	ND		0.67		ppm v/v			12/04/12 10:04	1
1,2,3-Trichloropropane	ND		0.83		ppm v/v			12/04/12 10:04	1
1,2,4-Trichlorobenzene	ND		0.67		ppm v/v			12/04/12 10:04	1
1,2,4-Trimethylbenzene	ND		1.0		ppm v/v			12/04/12 10:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ppm v/v			12/04/12 10:04	1
1,2-Dibromoethane (EDB)	ND		0.65		ppm v/v			12/04/12 10:04	1
1,2-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 10:04	1
1,2-Dichloroethane	ND		1.2		ppm v/v			12/04/12 10:04	1
1,2-Dichloropropane	ND		1.1		ppm v/v			12/04/12 10:04	1
1,3,5-Trimethylbenzene	ND		1.0		ppm v/v			12/04/12 10:04	1
1,3-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 10:04	1
1,3-Dichloropropane	ND		1.1		ppm v/v			12/04/12 10:04	1
1,4-Dichlorobenzene	ND		0.83		ppm v/v			12/04/12 10:04	1
2,2-Dichloropropane	ND		1.1		ppm v/v			12/04/12 10:04	1
2-Chlorotoluene	ND		0.97		ppm v/v			12/04/12 10:04	1
4-Chlorotoluene	ND		0.97		ppm v/v			12/04/12 10:04	1
Benzene	ND		1.6		ppm v/v			12/04/12 10:04	1
Bromobenzene	ND		0.78		ppm v/v			12/04/12 10:04	1
Bromochloromethane	ND		0.94		ppm v/v			12/04/12 10:04	1
Bromodichloromethane	ND		0.75		ppm v/v			12/04/12 10:04	1
Bromoform	ND		0.48		ppm v/v			12/04/12 10:04	1

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

Lab Sample ID: MB 440-70980/6
Matrix: Air
Analysis Batch: 70980

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.3		ppm v/v			12/04/12 10:04	1
Carbon tetrachloride	ND		0.79		ppm v/v			12/04/12 10:04	1
Chlorobenzene	ND		1.1		ppm v/v			12/04/12 10:04	1
Chloroethane	ND		1.9		ppm v/v			12/04/12 10:04	1
Chloroform	ND		1.0		ppm v/v			12/04/12 10:04	1
Chloromethane	ND		2.4		ppm v/v			12/04/12 10:04	1
cis-1,2-Dichloroethene	ND		1.3		ppm v/v			12/04/12 10:04	1
cis-1,3-Dichloropropene	ND		1.1		ppm v/v			12/04/12 10:04	1
Dibromochloromethane	ND		0.59		ppm v/v			12/04/12 10:04	1
Dibromomethane	ND		0.70		ppm v/v			12/04/12 10:04	1
Dichlorodifluoromethane	ND		1.0		ppm v/v			12/04/12 10:04	1
Ethylbenzene	ND		1.2		ppm v/v			12/04/12 10:04	1
Ethyl-t-butyl ether (ETBE)	ND		2.4		ppm v/v			12/04/12 10:04	1
Hexachlorobutadiene	ND		0.47		ppm v/v			12/04/12 10:04	1
Isopropyl Ether (DIPE)	ND		2.4		ppm v/v			12/04/12 10:04	1
Isopropylbenzene	ND		1.0		ppm v/v			12/04/12 10:04	1
m,p-Xylene	ND		0.92		ppm v/v			12/04/12 10:04	1
Methylene Chloride	ND		1.4		ppm v/v			12/04/12 10:04	1
Methyl-t-Butyl Ether (MTBE)	ND		2.8		ppm v/v			12/04/12 10:04	1
Naphthalene	ND		0.95		ppm v/v			12/04/12 10:04	1
n-Butylbenzene	ND		0.91		ppm v/v			12/04/12 10:04	1
N-Propylbenzene	ND		1.0		ppm v/v			12/04/12 10:04	1
o-Xylene	ND		0.92		ppm v/v			12/04/12 10:04	1
p-Isopropyltoluene	ND		0.91		ppm v/v			12/04/12 10:04	1
sec-Butylbenzene	ND		0.91		ppm v/v			12/04/12 10:04	1
Styrene	ND		2.3		ppm v/v			12/04/12 10:04	1
Tert-amyl-methyl ether (TAME)	ND		2.4		ppm v/v			12/04/12 10:04	1
tert-Butyl alcohol (TBA)	ND		33		ppm v/v			12/04/12 10:04	1
tert-Butylbenzene	ND		0.91		ppm v/v			12/04/12 10:04	1
Tetrachloroethene	ND		0.74		ppm v/v			12/04/12 10:04	1
Toluene	ND		1.3		ppm v/v			12/04/12 10:04	1
trans-1,2-Dichloroethene	ND		1.3		ppm v/v			12/04/12 10:04	1
trans-1,3-Dichloropropene	ND		1.1		ppm v/v			12/04/12 10:04	1
Trichloroethene	ND		0.93		ppm v/v			12/04/12 10:04	1
Trichlorofluoromethane	ND		0.89		ppm v/v			12/04/12 10:04	1
Vinyl chloride	ND		2.0		ppm v/v			12/04/12 10:04	1
Xylenes, Total	ND		1.8		ppm v/v			12/04/12 10:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*12/04/12 10:04*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*12/04/12 10:04*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*12/04/12 10:04*	*1*

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

Lab Sample ID: LCS 440-70980/5
Matrix: Air
Analysis Batch: 70980

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	29.0		mg/m3		116	70 - 130
1,1,1-Trichloroethane	25.0	29.0		mg/m3		116	65 - 135
1,1,2,2-Tetrachloroethane	25.0	23.2		mg/m3		93	55 - 130
1,1,2-Trichloroethane	25.0	24.9		mg/m3		100	70 - 125
1,1-Dichloroethane	25.0	25.1		mg/m3		100	70 - 125
1,1-Dichloroethene	25.0	23.3		mg/m3		93	70 - 125
1,1-Dichloropropene	25.0	22.9		mg/m3		92	75 - 130
1,2,3-Trichlorobenzene	25.0	21.9		mg/m3		87	65 - 125
1,2,3-Trichloropropane	25.0	22.4		mg/m3		90	60 - 130
1,2,4-Trichlorobenzene	25.0	23.2		mg/m3		93	70 - 135
1,2,4-Trimethylbenzene	25.0	28.4		mg/m3		114	75 - 125
1,2-Dibromo-3-Chloropropane	25.0	23.8		mg/m3		95	50 - 135
1,2-Dibromoethane (EDB)	25.0	26.3		mg/m3		105	75 - 125
1,2-Dichlorobenzene	25.0	25.0		mg/m3		100	75 - 120
1,2-Dichloroethane	25.0	28.4		mg/m3		114	60 - 140
1,2-Dichloropropane	25.0	22.0		mg/m3		88	70 - 125
1,3,5-Trimethylbenzene	25.0	27.3		mg/m3		109	75 - 120
1,3-Dichlorobenzene	25.0	26.3		mg/m3		105	70 - 120
1,3-Dichloropropane	25.0	25.0		mg/m3		100	75 - 120
1,4-Dichlorobenzene	25.0	26.0		mg/m3		104	65 - 140
2,2-Dichloropropane	25.0	29.1		mg/m3		116	65 - 140
2-Chlorotoluene	25.0	26.2		mg/m3		105	70 - 125
4-Chlorotoluene	25.0	26.8		mg/m3		107	75 - 125
Benzene	25.0	20.8		mg/m3		83	70 - 120
Bromobenzene	25.0	24.8		mg/m3		99	75 - 120
Bromochloromethane	25.0	25.3		mg/m3		101	70 - 130
Bromodichloromethane	25.0	28.7		mg/m3		115	70 - 135
Bromoform	25.0	23.7		mg/m3		95	55 - 130
Bromomethane	25.0	24.7		mg/m3		99	65 - 140
Carbon tetrachloride	25.0	27.8		mg/m3		111	65 - 140
Chlorobenzene	25.0	25.2		mg/m3		101	75 - 120
Chloroethane	25.0	21.8		mg/m3		87	60 - 140
Chloroform	25.0	28.0		mg/m3		112	70 - 130
Chloromethane	25.0	21.8		mg/m3		87	50 - 140
cis-1,2-Dichloroethene	25.0	26.4		mg/m3		106	70 - 125
cis-1,3-Dichloropropene	25.0	27.6		mg/m3		110	75 - 125
Dibromochloromethane	25.0	29.0		mg/m3		116	70 - 140
Dibromomethane	25.0	24.7		mg/m3		99	70 - 125
Dichlorodifluoromethane	25.0	23.2		mg/m3		93	35 - 155
Ethanol	250	197		mg/m3		79	40 - 155
Ethylbenzene	25.0	25.0		mg/m3		100	75 - 125
Ethyl-t-butyl ether (ETBE)	25.0	23.4		mg/m3		94	65 - 135
Hexachlorobutadiene	25.0	24.2		mg/m3		97	65 - 135
Isopropyl Ether (DIPE)	25.0	21.9		mg/m3		88	60 - 135
Isopropylbenzene	25.0	26.6		mg/m3		106	75 - 130
m,p-Xylene	50.0	50.6		mg/m3		101	75 - 125
Methylene Chloride	25.0	22.5		mg/m3		90	55 - 130
Methyl-t-Butyl Ether (MTBE)	25.0	24.7		mg/m3		99	60 - 135

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

Lab Sample ID: LCS 440-70980/5
Matrix: Air
Analysis Batch: 70980

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	25.0	20.1		mg/m3		81	55 - 135
n-Butylbenzene	25.0	27.5		mg/m3		110	70 - 130
N-Propylbenzene	25.0	25.1		mg/m3		100	75 - 130
o-Xylene	25.0	25.8		mg/m3		103	75 - 125
p-Isopropyltoluene	25.0	26.3		mg/m3		105	75 - 125
sec-Butylbenzene	25.0	26.3		mg/m3		105	70 - 125
Styrene	25.0	26.7		mg/m3		107	75 - 130
Tert-amyl-methyl ether (TAME)	25.0	24.1		mg/m3		97	60 - 135
tert-Butyl alcohol (TBA)	125	139		mg/m3		112	70 - 135
tert-Butylbenzene	25.0	25.1		mg/m3		100	70 - 125
Tetrachloroethene	25.0	26.5		mg/m3		106	70 - 125
Toluene	25.0	23.6		mg/m3		94	70 - 120
trans-1,2-Dichloroethene	25.0	24.1		mg/m3		96	70 - 125
trans-1,3-Dichloropropene	25.0	28.7		mg/m3		115	70 - 125
Trichloroethene	25.0	24.9		mg/m3		100	70 - 125
Trichlorofluoromethane	25.0	29.9		mg/m3		120	65 - 145
Vinyl chloride	25.0	26.4		mg/m3		106	55 - 135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	3.6	4.22		ppm v/v		116	70 - 130
1,1,1-Trichloroethane	4.6	5.32		ppm v/v		116	65 - 135
1,1,2,2-Tetrachloroethane	3.6	3.38		ppm v/v		93	55 - 130
1,1,2-Trichloroethane	4.6	4.56		ppm v/v		100	70 - 125
1,1-Dichloroethane	6.2	6.19		ppm v/v		100	70 - 125
1,1-Dichloroethene	6.3	5.87		ppm v/v		93	70 - 125
1,1-Dichloropropene	5.6	5.09		ppm v/v		92	75 - 130
1,2,3-Trichlorobenzene	3.4	2.95		ppm v/v		87	65 - 125
1,2,3-Trichloropropane	4.1	3.72		ppm v/v		90	60 - 130
1,2,4-Trichlorobenzene	3.4	3.13		ppm v/v		93	70 - 135
1,2,4-Trimethylbenzene	5.1	5.78		ppm v/v		114	75 - 125
1,2-Dibromo-3-Chloropropane	2.6	2.46		ppm v/v		95	50 - 135
1,2-Dibromoethane (EDB)	3.3	3.43		ppm v/v		105	75 - 125
1,2-Dichlorobenzene	4.2	4.16		ppm v/v		100	75 - 120
1,2-Dichloroethane	6.2	7.01		ppm v/v		114	60 - 140
1,2-Dichloropropane	5.4	4.75		ppm v/v		88	70 - 125
1,3,5-Trimethylbenzene	5.1	5.56		ppm v/v		109	75 - 120
1,3-Dichlorobenzene	4.2	4.38		ppm v/v		105	70 - 120
1,3-Dichloropropane	5.4	5.40		ppm v/v		100	75 - 120
1,4-Dichlorobenzene	4.2	4.32		ppm v/v		104	65 - 140
2,2-Dichloropropane	5.5	6.34		ppm v/v		116	65 - 140
2-Chlorotoluene	4.8	5.05		ppm v/v		105	70 - 125
4-Chlorotoluene	4.8	5.19		ppm v/v		107	75 - 125
Benzene	7.8	6.53		ppm v/v		83	70 - 120
Bromobenzene	3.9	3.86		ppm v/v		99	75 - 120
Bromochloromethane	4.7	4.79		ppm v/v		101	70 - 130
Bromodichloromethane	3.7	4.28		ppm v/v		115	70 - 135
Bromoform	2.4	2.29		ppm v/v		95	55 - 130
Bromomethane	6.4	6.36		ppm v/v		99	65 - 140

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

Lab Sample ID: LCS 440-70980/5
Matrix: Air
Analysis Batch: 70980

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	4.0	4.42		ppm v/v		111	65 - 140
Chlorobenzene	5.4	5.48		ppm v/v		101	75 - 120
Chloroethane	9.5	8.25		ppm v/v		87	60 - 140
Chloroform	5.1	5.73		ppm v/v		112	70 - 130
Chloromethane	12	10.5		ppm v/v		87	50 - 140
cis-1,2-Dichloroethene	6.3	6.67		ppm v/v		106	70 - 125
cis-1,3-Dichloropropene	5.5	6.08		ppm v/v		110	75 - 125
Dibromochloromethane	2.9	3.41		ppm v/v		116	70 - 140
Dibromomethane	3.5	3.47		ppm v/v		99	70 - 125
Dichlorodifluoromethane	5.1	4.69		ppm v/v		93	35 - 155
Ethylbenzene	5.8	5.75		ppm v/v		100	75 - 125
Ethyl-t-butyl ether (ETBE)	6.0	5.60		ppm v/v		94	65 - 135
Hexachlorobutadiene	2.3	2.27		ppm v/v		97	65 - 135
Isopropyl Ether (DIPE)	6.0	5.25		ppm v/v		88	60 - 135
Isopropylbenzene	5.1	5.40		ppm v/v		106	75 - 130
m,p-Xylene	12	11.6		ppm v/v		101	75 - 125
Methylene Chloride	7.2	6.48		ppm v/v		90	55 - 130
Methyl-t-Butyl Ether (MTBE)	6.9	6.86		ppm v/v		99	60 - 135
Naphthalene	4.8	3.84		ppm v/v		81	55 - 135
n-Butylbenzene	4.6	5.01		ppm v/v		110	70 - 130
N-Propylbenzene	5.1	5.10		ppm v/v		100	75 - 130
o-Xylene	5.8	5.94		ppm v/v		103	75 - 125
p-Isopropyltoluene	4.6	4.78		ppm v/v		105	75 - 125
sec-Butylbenzene	4.6	4.78		ppm v/v		105	70 - 125
Styrene	5.9	6.26		ppm v/v		107	75 - 130
Tert-amyl-methyl ether (TAME)	6.0	5.78		ppm v/v		97	60 - 135
tert-Butyl alcohol (TBA)	41	46.0		ppm v/v		112	70 - 135
tert-Butylbenzene	4.6	4.57		ppm v/v		100	70 - 125
Tetrachloroethene	3.7	3.90		ppm v/v		106	70 - 125
Toluene	6.6	6.27		ppm v/v		94	70 - 120
trans-1,2-Dichloroethene	6.3	6.07		ppm v/v		96	70 - 125
trans-1,3-Dichloropropene	5.5	6.32		ppm v/v		115	70 - 125
Trichloroethene	4.7	4.64		ppm v/v		100	70 - 125
Trichlorofluoromethane	4.4	5.32		ppm v/v		120	65 - 145
Vinyl chloride	9.8	10.3		ppm v/v		106	55 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*111*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: 440-31285-A-1 DU
Matrix: Air
Analysis Batch: 70980

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		ND		mg/m3		NC	20
1,1,1-Trichloroethane	ND		ND		mg/m3		NC	20

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

Lab Sample ID: 440-31285-A-1 DU
Matrix: Air
Analysis Batch: 70980

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,1,2,2-Tetrachloroethane	ND			ND		mg/m3				NC	25
1,1,2-Trichloroethane	ND			ND		mg/m3				NC	20
1,1-Dichloroethane	ND			ND		mg/m3				NC	20
1,1-Dichloroethene	ND			ND		mg/m3				NC	20
1,1-Dichloropropene	ND			ND		mg/m3				NC	20
1,2,3-Trichlorobenzene	ND			ND		mg/m3				NC	20
1,2,3-Trichloropropane	ND			ND		mg/m3				NC	20
1,2,4-Trichlorobenzene	ND			ND		mg/m3				NC	20
1,2,4-Trimethylbenzene	ND			ND		mg/m3				NC	20
1,2-Dibromo-3-Chloropropane	ND			ND		mg/m3				NC	30
1,2-Dibromoethane (EDB)	ND			ND		mg/m3				NC	20
1,2-Dichlorobenzene	ND			ND		mg/m3				NC	20
1,2-Dichloroethane	ND			ND		mg/m3				NC	20
1,2-Dichloropropane	ND			ND		mg/m3				NC	20
1,3,5-Trimethylbenzene	ND			ND		mg/m3				NC	20
1,3-Dichlorobenzene	ND			ND		mg/m3				NC	20
1,3-Dichloropropane	ND			ND		mg/m3				NC	20
1,4-Dichlorobenzene	ND			ND		mg/m3				NC	25
2,2-Dichloropropane	ND			ND		mg/m3				NC	20
2-Chlorotoluene	ND			ND		mg/m3				NC	20
4-Chlorotoluene	ND			ND		mg/m3				NC	20
Benzene	ND			ND		mg/m3				NC	20
Bromobenzene	ND			ND		mg/m3				NC	20
Bromochloromethane	ND			ND		mg/m3				NC	20
Bromodichloromethane	ND			ND		mg/m3				NC	20
Bromoform	ND			ND		mg/m3				NC	25
Bromomethane	ND			ND		mg/m3				NC	20
Carbon tetrachloride	ND			ND		mg/m3				NC	25
Chlorobenzene	ND			ND		mg/m3				NC	20
Chloroethane	ND			ND		mg/m3				NC	20
Chloroform	ND			ND		mg/m3				NC	20
Chloromethane	ND			ND		mg/m3				NC	25
cis-1,2-Dichloroethene	ND			ND		mg/m3				NC	20
cis-1,3-Dichloropropene	ND			ND		mg/m3				NC	20
Dibromochloromethane	ND			ND		mg/m3				NC	20
Dibromomethane	ND			ND		mg/m3				NC	20
Dichlorodifluoromethane	ND			ND		mg/m3				NC	30
Ethanol	ND			ND		mg/m3				NC	30
Ethylbenzene	ND			ND		mg/m3				NC	20
Ethyl-t-butyl ether (ETBE)	ND			ND		mg/m3				NC	20
Hexachlorobutadiene	ND			ND		mg/m3				NC	20
Isopropyl Ether (DIPE)	ND			ND		mg/m3				NC	20
Isopropylbenzene	ND			ND		mg/m3				NC	20
m,p-Xylene	ND			ND		mg/m3				NC	20
Methylene Chloride	ND			ND		mg/m3				NC	20
Methyl-t-Butyl Ether (MTBE)	ND			ND		mg/m3				NC	25
Naphthalene	ND			ND		mg/m3				NC	25
n-Butylbenzene	ND			ND		mg/m3				NC	20

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

Lab Sample ID: 440-31285-A-1 DU
Matrix: Air
Analysis Batch: 70980

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
N-Propylbenzene	ND			ND		mg/m3				NC	20
o-Xylene	ND			ND		mg/m3				NC	20
p-Isopropyltoluene	ND			ND		mg/m3				NC	20
sec-Butylbenzene	ND			ND		mg/m3				NC	20
Styrene	ND			ND		mg/m3				NC	20
Tert-amyl-methyl ether (TAME)	ND			ND		mg/m3				NC	25
tert-Butyl alcohol (TBA)	ND			ND		mg/m3				NC	20
tert-Butylbenzene	ND			ND		mg/m3				NC	20
Tetrachloroethene	ND			ND		mg/m3				NC	20
Toluene	ND			ND		mg/m3				NC	20
trans-1,2-Dichloroethene	ND			ND		mg/m3				NC	20
trans-1,3-Dichloropropene	ND			ND		mg/m3				NC	20
Trichloroethene	ND			ND		mg/m3				NC	20
Trichlorofluoromethane	ND			ND		mg/m3				NC	20
Vinyl chloride	ND			ND		mg/m3				NC	30
Xylenes, Total	ND			ND		mg/m3				NC	20

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND			ND		ppm v/v				NC	20
1,1,1-Trichloroethane	ND			ND		ppm v/v				NC	20
1,1,2,2-Tetrachloroethane	ND			ND		ppm v/v				NC	25
1,1,2-Trichloroethane	ND			ND		ppm v/v				NC	20
1,1-Dichloroethane	ND			ND		ppm v/v				NC	20
1,1-Dichloroethene	ND			ND		ppm v/v				NC	20
1,1-Dichloropropene	ND			ND		ppm v/v				NC	20
1,2,3-Trichlorobenzene	ND			ND		ppm v/v				NC	20
1,2,3-Trichloropropane	ND			ND		ppm v/v				NC	20
1,2,4-Trichlorobenzene	ND			ND		ppm v/v				NC	20
1,2,4-Trimethylbenzene	ND			ND		ppm v/v				NC	20
1,2-Dibromo-3-Chloropropane	ND			ND		ppm v/v				NC	30
1,2-Dibromoethane (EDB)	ND			ND		ppm v/v				NC	20
1,2-Dichlorobenzene	ND			ND		ppm v/v				NC	20
1,2-Dichloroethane	ND			ND		ppm v/v				NC	20
1,2-Dichloropropane	ND			ND		ppm v/v				NC	20
1,3,5-Trimethylbenzene	ND			ND		ppm v/v				NC	20
1,3-Dichlorobenzene	ND			ND		ppm v/v				NC	20
1,3-Dichloropropane	ND			ND		ppm v/v				NC	20
1,4-Dichlorobenzene	ND			ND		ppm v/v				NC	25
2,2-Dichloropropane	ND			ND		ppm v/v				NC	20
2-Chlorotoluene	ND			ND		ppm v/v				NC	20
4-Chlorotoluene	ND			ND		ppm v/v				NC	20
Benzene	ND			ND		ppm v/v				NC	20
Bromobenzene	ND			ND		ppm v/v				NC	20
Bromochloromethane	ND			ND		ppm v/v				NC	20
Bromodichloromethane	ND			ND		ppm v/v				NC	20
Bromoform	ND			ND		ppm v/v				NC	25
Bromomethane	ND			ND		ppm v/v				NC	20
Carbon tetrachloride	ND			ND		ppm v/v				NC	25

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

Lab Sample ID: 440-31285-A-1 DU
Matrix: Air
Analysis Batch: 70980

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chlorobenzene	ND			ND		ppm v/v				NC	20
Chloroethane	ND			ND		ppm v/v				NC	20
Chloroform	ND			ND		ppm v/v				NC	20
Chloromethane	ND			ND		ppm v/v				NC	25
cis-1,2-Dichloroethene	ND			ND		ppm v/v				NC	20
cis-1,3-Dichloropropene	ND			ND		ppm v/v				NC	20
Dibromochloromethane	ND			ND		ppm v/v				NC	20
Dibromomethane	ND			ND		ppm v/v				NC	20
Dichlorodifluoromethane	ND			ND		ppm v/v				NC	30
Ethylbenzene	ND			ND		ppm v/v				NC	20
Ethyl-t-butyl ether (ETBE)	ND			ND		ppm v/v				NC	20
Hexachlorobutadiene	ND			ND		ppm v/v				NC	20
Isopropyl Ether (DIPE)	ND			ND		ppm v/v				NC	20
Isopropylbenzene	ND			ND		ppm v/v				NC	20
m,p-Xylene	ND			ND		ppm v/v				NC	20
Methylene Chloride	ND			ND		ppm v/v				NC	20
Methyl-t-Butyl Ether (MTBE)	ND			ND		ppm v/v				NC	25
Naphthalene	ND			ND		ppm v/v				NC	25
n-Butylbenzene	ND			ND		ppm v/v				NC	20
N-Propylbenzene	ND			ND		ppm v/v				NC	20
o-Xylene	ND			ND		ppm v/v				NC	20
p-Isopropyltoluene	ND			ND		ppm v/v				NC	20
sec-Butylbenzene	ND			ND		ppm v/v				NC	20
Styrene	ND			ND		ppm v/v				NC	20
Tert-amyl-methyl ether (TAME)	ND			ND		ppm v/v				NC	25
tert-Butyl alcohol (TBA)	ND			ND		ppm v/v				NC	20
tert-Butylbenzene	ND			ND		ppm v/v				NC	20
Tetrachloroethene	ND			ND		ppm v/v				NC	20
Toluene	ND			ND		ppm v/v				NC	20
trans-1,2-Dichloroethene	ND			ND		ppm v/v				NC	20
trans-1,3-Dichloropropene	ND			ND		ppm v/v				NC	20
Trichloroethene	ND			ND		ppm v/v				NC	20
Trichlorofluoromethane	ND			ND		ppm v/v				NC	20
Vinyl chloride	ND			ND		ppm v/v				NC	30
Xylenes, Total	ND			ND		ppm v/v				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*109*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

GC/MS VOA

Analysis Batch: 70980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-31285-A-1 DU	Duplicate	Total/NA	Air	8260B	
440-31316-1	SB7-SV-5'	Total/NA	Air	8260B	
440-31316-2	SB4-SV-5'	Total/NA	Air	8260B	
440-31316-3	SB2-SV-5'	Total/NA	Air	8260B	
440-31316-4	SB8-SV-5'	Total/NA	Air	8260B	
440-31316-5	SB9-SV-5'	Total/NA	Air	8260B	
440-31316-6	SB6-SV-5'	Total/NA	Air	8260B	
LCS 440-70980/5	Lab Control Sample	Total/NA	Air	8260B	
MB 440-70980/6	Method Blank	Total/NA	Air	8260B	

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
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
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31316-1

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
Alaska	State Program	10	CA01531	06-30-13
Arizona	State Program	9	AZ0671	10-13-13
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	07-31-13
New Mexico	State Program	6	N/A	01-31-13
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
USEPA UCMR	Federal	1	CA01531	01-31-13

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

440-31316

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: TORO	Site Contact: VIGOLANDO	Date: 12/3/12	COC No:
Stantec Consulting Services Inc.	Tel/Fax:	Lab Contact:	Carrier:	1 of 1 COCs
25864-F Business Center Drive	Analysis Turnaround Time			For Lab Use Only:
Redlands, CA 92374	Calendar (C) or Work Days (W)			Walk-in Client:
(909) 335-6116	TAT if different from Below N			Lab Sampling:
(909) 335-6120	☒ 2 weeks			
Project Name: 1333 TIOPE CANDE	☐ 1 week			Job / SDG No.:
Site:	☐ 2 days			
P O #	☐ 1 day			Sampler:

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample (Y / N)	Composite = C / Grab = G	VOCs by 8260B	TPH by 8015		Sample Specific Notes:
SB7-SV-5'	12/3/12	1425	1L TEDLAR	SV	1			X	X	B.	
SB4-SV-5'	↓	1440	↓	↓	↓			X	X		
SB2-SV-5'		1445						X	X		
SB8-SV-5'		1450						X	X	12/4/12	
SB9-SV-5'		1455						X	X		
SB6-SV-5'	↓	1510	↓	↓	↓			X	X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	STANTEC	12/03/12/1630	[signature]	TASB	12/3/12 16:30
Relinquished by: [signature]	Company: TASB	Date/Time: 12/3/12 1645	Received by: [signature]	Company: TA-I	Date/Time: 12/3/12 1645
Relinquished by: [signature]	Company: TA-I	Date/Time: 12/3/12 1825	Received in Laboratory by: [signature]	Company: TA	Date/Time: 12-3-12 1825

5.1°C

12/03/2012

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

440-31316

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: TORO	Site Contact: VILLAGRANO	Date: 12/3/12	COC No:
Stantec Consulting Services Inc.	Tel/Fax:	Lab Contact:	Carrier:	1 of 1 COCs
25864-F Business Center Drive	Analysis Turnaround Time			For Lab Use Only:
Redlands, CA 92374	Calendar (C) or Work Days (W)			Walk-in Client:
(909) 335-6116	TAT if different from Below N			Lab Sampling:
(909) 335-6120	☒ 2 weeks			
Project Name: 1333 TIPPECANOE	☐ 1 week			Job / SDG No.:
Site:	☐ 2 days			
P O #	☐ 1 day			Sampler:

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample (Y/N)	Composite = C / Grab = G	VOCs by 8260B	TPH by GC		Sample Specific Notes:
SB7-SV-5'	12/3/12	1425	1L TEDLAR	SV	1			X	X	B.	
SB4-SV-5'		1440						X	X		
SB2-SV-5'		1445						X	X		
SB8-SV-5'		1450						X	X		
SB9-SV-5'		1455						X	X		
SB6-SV-5'		1510						X	X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	STANTEC	12/03/12/1630	[signature]	TASB	12/3/12 16:30
[signature]	TASB	12/3/12 1645	[signature]	TA-I	12/3/12 1645
[signature]	TA-I	12/3/12 1825	Received in Laboratory by: [signature]	TA	12-3-12 1825

Rec'd at IRVINE @ RT (22°C) 12/4/12 5.0°C

Page 97 of 30

12/03/2012

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

440-31316

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: TORO	Site Contact: VILLAMOR	Date: 12/3/12	COC No:
Stantec Consulting Services Inc.	Tel/Fax:	Lab Contact:	Carrier:	___1___ of ___1___ COCs
25864-F Business Center Drive	Analysis Turnaround Time			For Lab Use Only:
Redlands, CA 92374	Calendar (C) or Work Days (W) _____			Walk-in Client:
(909) 335-6116	TAT if different from Below N			Lab Sampling:
(909) 335-6120	☒ 2 weeks			
Project Name: 1333 TIPPECANOE	☐ 1 week			Job / SDG No.:
Site:	☐ 2 days			
P O #	☐ 1 day			Sampler:

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample (Y/N)	Composite = C / Grab = G	VOCs by 8260B	TPH by 8015	Sample Specific Notes:
SB7-SV-5'	12/3/12	1425	BL TEDLAR	SV	1			X	X	
SB4-SV-5'	↓	1440	↓	↓	↓			X	X	
SB2-SV-5'		1445						X	X	
SB8-SV-5'		1450						X	X	
SB9-SV-5'		1455						X	X	
SB6-SV-5'	↓	1510	↓	↓	↓			X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	STANTEC	12/3/12 1630	[signature]	TASB	12/3/12 1630
Relinquished by: [signature]	Company: TASB	Date/Time: 12/3/12 1645	Received by: [signature]	Company: TA-I	Date/Time: 12/3/12 1645
Relinquished by: [signature]	Company: TA-I	Date/Time: 12/3/12 1825	Received in Laboratory by: [signature]	Company: TA	Date/Time: 12-3-12 1825

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 440-31316-1

Login Number: 31316

List Source: TestAmerica Irvine

List Number: 1

Creator: King, Ronald

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are 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?	N/A	Not on COC
There are no discrepancies between the containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
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 Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-31357-1
Client Project/Site: 1333 Tippecanoe

For:
Stantec Consulting Corp.
25864-F Business Center Dr.
Redlands, California 92374

Attn: Brian Viggiano

Authorized for release by:
12/7/2012 11:54:12 AM
Pat Abe
Project Manager I
pat.abe@testamericainc.com

Designee for

Lena Davidkova
Project Manager I
lena.davidkova@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Sample Summary

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-31357-1	SB1-SS-5'	Solid	12/03/12 07:55	12/03/12 18:25
440-31357-3	SB2-SS-5'	Solid	12/03/12 08:15	12/03/12 18:25
440-31357-4	SB2-SS-10'	Solid	12/03/12 08:20	12/03/12 18:25
440-31357-7	SB9-SS-10'	Solid	12/03/12 09:25	12/03/12 18:25
440-31357-9	SB9-SS-20'	Solid	12/03/12 09:35	12/03/12 18:25
440-31357-11	SB8-SS-10'	Solid	12/03/12 10:10	12/03/12 18:25
440-31357-13	SB8-SS-20'	Solid	12/03/12 10:20	12/03/12 18:25
440-31357-14	SB3-SS-5'	Solid	12/03/12 10:45	12/03/12 18:25
440-31357-16	SB4-SS-5'	Solid	12/03/12 11:55	12/03/12 18:25
440-31357-19	SB7-SS-10'	Solid	12/03/12 12:45	12/03/12 18:25
440-31357-21	SB7-SS-20'	Solid	12/03/12 12:55	12/03/12 18:25
440-31357-22	SB6-SS-5'	Solid	12/03/12 13:20	12/03/12 18:25
440-31357-24	SB5-SS-5'	Solid	12/03/12 13:45	12/03/12 18:25

Job ID: 440-31357-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-31357-1

Comments
No additional comments.

Receipt
The samples were received on 12/3/2012 6:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.1º C.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for 2,2-Dichloropropane in batch 71750 were outside control limits. Matrix interference is suspected. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for Chloromethane, Dichlorodifluoromethane, and Vinyl chloride in batch 71750 was outside control limits. The individual recoveries and associated laboratory control sample (LCS) recoveries are within acceptance criteria.

No other analytical or quality issues were noted.

GC VOA
Method(s) 8015B: Surrogate recovery for the following sample(s) was outside control limits: SB3-SS-5' (440-31357-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8015B: Surrogate recovery was outside control limits for the following sample: (LCS 440-71296/2). The BFB surrogate coeluted with the TPH standard. Data not impacted.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Due to the high concentration of C10-C28, the matrix spike / matrix spike duplicate (MS/MSD) for DRO prep batch 71286 could not be evaluated for accuracy and precision. The batch was accepted based on acceptable recovery in the associated laboratory control sample (LCS).

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB1-SS-5'
Date Collected: 12/03/12 07:55
Date Received: 12/03/12 18:25

Lab Sample ID: 440-31357-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/06/12 20:21	1
1,1,1-Trichloroethane	ND		0.0010		mg/Kg			12/06/12 20:21	1
1,1,2,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/06/12 20:21	1
1,1,2-Trichloroethane	ND		0.0010		mg/Kg			12/06/12 20:21	1
1,1-Dichloroethane	ND		0.0010		mg/Kg			12/06/12 20:21	1
1,1-Dichloroethene	ND		0.0020		mg/Kg			12/06/12 20:21	1
1,1-Dichloropropene	ND		0.0010		mg/Kg			12/06/12 20:21	1
1,2,3-Trichlorobenzene	ND		0.0010		mg/Kg			12/06/12 20:21	1
1,2,3-Trichloropropane	ND		0.010		mg/Kg			12/06/12 20:21	1
1,2,4-Trichlorobenzene	ND		0.0050		mg/Kg			12/06/12 20:21	1
1,2,4-Trimethylbenzene	ND		0.0020		mg/Kg			12/06/12 20:21	1
1,2-Dibromo-3-Chloropropane	ND		0.0050		mg/Kg			12/06/12 20:21	1
1,2-Dibromoethane (EDB)	ND		0.0010		mg/Kg			12/06/12 20:21	1
1,2-Dichlorobenzene	ND		0.0010		mg/Kg			12/06/12 20:21	1
1,2-Dichloroethane	ND		0.0010		mg/Kg			12/06/12 20:21	1
1,2-Dichloropropane	ND		0.0010		mg/Kg			12/06/12 20:21	1
1,3,5-Trimethylbenzene	ND		0.0020		mg/Kg			12/06/12 20:21	1
1,3-Dichlorobenzene	ND		0.0010		mg/Kg			12/06/12 20:21	1
1,3-Dichloropropane	ND		0.0010		mg/Kg			12/06/12 20:21	1
1,4-Dichlorobenzene	ND		0.0010		mg/Kg			12/06/12 20:21	1
2,2-Dichloropropane	ND		0.0010		mg/Kg			12/06/12 20:21	1
2-Chlorotoluene	ND		0.0020		mg/Kg			12/06/12 20:21	1
4-Chlorotoluene	ND		0.0020		mg/Kg			12/06/12 20:21	1
Benzene	ND		0.0010		mg/Kg			12/06/12 20:21	1
Bromobenzene	ND		0.0020		mg/Kg			12/06/12 20:21	1
Bromochloromethane	ND		0.0020		mg/Kg			12/06/12 20:21	1
Bromodichloromethane	ND		0.0010		mg/Kg			12/06/12 20:21	1
Bromoform	ND		0.0020		mg/Kg			12/06/12 20:21	1
Bromomethane	ND		0.0020		mg/Kg			12/06/12 20:21	1
Carbon tetrachloride	ND		0.0020		mg/Kg			12/06/12 20:21	1
Chlorobenzene	ND		0.0010		mg/Kg			12/06/12 20:21	1
Chloroethane	ND		0.0020		mg/Kg			12/06/12 20:21	1
Chloroform	ND		0.0010		mg/Kg			12/06/12 20:21	1
Chloromethane	ND		0.0020		mg/Kg			12/06/12 20:21	1
cis-1,2-Dichloroethene	ND		0.0010		mg/Kg			12/06/12 20:21	1
cis-1,3-Dichloropropene	ND		0.0010		mg/Kg			12/06/12 20:21	1
Dibromochloromethane	ND		0.0010		mg/Kg			12/06/12 20:21	1
Dibromomethane	ND		0.0010		mg/Kg			12/06/12 20:21	1
Dichlorodifluoromethane	ND		0.0020		mg/Kg			12/06/12 20:21	1
Ethanol	ND		0.20		mg/Kg			12/06/12 20:21	1
Isopropyl Ether (DIPE)	ND		0.0020		mg/Kg			12/06/12 20:21	1
Ethyl-t-butyl ether (ETBE)	ND		0.0020		mg/Kg			12/06/12 20:21	1
Ethylbenzene	ND		0.0010		mg/Kg			12/06/12 20:21	1
Hexachlorobutadiene	ND		0.0020		mg/Kg			12/06/12 20:21	1
Isopropylbenzene	ND		0.0010		mg/Kg			12/06/12 20:21	1
m,p-Xylene	ND		0.0020		mg/Kg			12/06/12 20:21	1
Methylene Chloride	ND		0.010		mg/Kg			12/06/12 20:21	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			12/06/12 20:21	1
Naphthalene	ND		0.0020		mg/Kg			12/06/12 20:21	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB1-SS-5'

Lab Sample ID: 440-31357-1

Date Collected: 12/03/12 07:55

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0020		mg/Kg			12/06/12 20:21	1
N-Propylbenzene	ND		0.0010		mg/Kg			12/06/12 20:21	1
o-Xylene	ND		0.0010		mg/Kg			12/06/12 20:21	1
p-Isopropyltoluene	ND		0.0010		mg/Kg			12/06/12 20:21	1
sec-Butylbenzene	ND		0.0020		mg/Kg			12/06/12 20:21	1
Styrene	ND		0.0010		mg/Kg			12/06/12 20:21	1
Tert-amyl-methyl ether (TAME)	ND		0.0020		mg/Kg			12/06/12 20:21	1
tert-Butylbenzene	ND		0.0020		mg/Kg			12/06/12 20:21	1
Tetrachloroethene	ND		0.0010		mg/Kg			12/06/12 20:21	1
Toluene	ND		0.0010		mg/Kg			12/06/12 20:21	1
trans-1,2-Dichloroethene	ND		0.0010		mg/Kg			12/06/12 20:21	1
trans-1,3-Dichloropropene	ND		0.0010		mg/Kg			12/06/12 20:21	1
Trichloroethene	ND		0.0010		mg/Kg			12/06/12 20:21	1
Trichlorofluoromethane	ND		0.0020		mg/Kg			12/06/12 20:21	1
Xylenes, Total	ND		0.0020		mg/Kg			12/06/12 20:21	1
Vinyl chloride	ND		0.0020		mg/Kg			12/06/12 20:21	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			12/06/12 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*		*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*			*12/06/12 20:21*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 125*			*12/06/12 20:21*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*			*12/06/12 20:21*	*1*

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB2-SS-5'

Lab Sample ID: 440-31357-3

Date Collected: 12/03/12 08:15

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/06/12 21:49	1
1,1,1-Trichloroethane	ND		0.00099		mg/Kg			12/06/12 21:49	1
1,1,2,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/06/12 21:49	1
1,1,2-Trichloroethane	ND		0.00099		mg/Kg			12/06/12 21:49	1
1,1-Dichloroethane	ND		0.00099		mg/Kg			12/06/12 21:49	1
1,1-Dichloroethene	ND		0.0020		mg/Kg			12/06/12 21:49	1
1,1-Dichloropropene	ND		0.00099		mg/Kg			12/06/12 21:49	1
1,2,3-Trichlorobenzene	ND		0.00099		mg/Kg			12/06/12 21:49	1
1,2,3-Trichloropropane	ND		0.0099		mg/Kg			12/06/12 21:49	1
1,2,4-Trichlorobenzene	ND		0.0049		mg/Kg			12/06/12 21:49	1
1,2,4-Trimethylbenzene	ND		0.0020		mg/Kg			12/06/12 21:49	1
1,2-Dibromo-3-Chloropropane	ND		0.0049		mg/Kg			12/06/12 21:49	1
1,2-Dibromoethane (EDB)	ND		0.00099		mg/Kg			12/06/12 21:49	1
1,2-Dichlorobenzene	ND		0.00099		mg/Kg			12/06/12 21:49	1
1,2-Dichloroethane	ND		0.00099		mg/Kg			12/06/12 21:49	1
1,2-Dichloropropane	ND		0.00099		mg/Kg			12/06/12 21:49	1
1,3,5-Trimethylbenzene	ND		0.0020		mg/Kg			12/06/12 21:49	1
1,3-Dichlorobenzene	ND		0.00099		mg/Kg			12/06/12 21:49	1
1,3-Dichloropropane	ND		0.00099		mg/Kg			12/06/12 21:49	1
1,4-Dichlorobenzene	ND		0.00099		mg/Kg			12/06/12 21:49	1
2,2-Dichloropropane	ND		0.00099		mg/Kg			12/06/12 21:49	1
2-Chlorotoluene	ND		0.0020		mg/Kg			12/06/12 21:49	1
4-Chlorotoluene	ND		0.0020		mg/Kg			12/06/12 21:49	1
Benzene	ND		0.00099		mg/Kg			12/06/12 21:49	1
Bromobenzene	ND		0.0020		mg/Kg			12/06/12 21:49	1
Bromochloromethane	ND		0.0020		mg/Kg			12/06/12 21:49	1
Bromodichloromethane	ND		0.00099		mg/Kg			12/06/12 21:49	1
Bromoform	ND		0.0020		mg/Kg			12/06/12 21:49	1
Bromomethane	ND		0.0020		mg/Kg			12/06/12 21:49	1
Carbon tetrachloride	ND		0.0020		mg/Kg			12/06/12 21:49	1
Chlorobenzene	ND		0.00099		mg/Kg			12/06/12 21:49	1
Chloroethane	ND		0.0020		mg/Kg			12/06/12 21:49	1
Chloroform	ND		0.00099		mg/Kg			12/06/12 21:49	1
Chloromethane	ND		0.0020		mg/Kg			12/06/12 21:49	1
cis-1,2-Dichloroethene	ND		0.00099		mg/Kg			12/06/12 21:49	1
cis-1,3-Dichloropropene	ND		0.00099		mg/Kg			12/06/12 21:49	1
Dibromochloromethane	ND		0.00099		mg/Kg			12/06/12 21:49	1
Dibromomethane	ND		0.00099		mg/Kg			12/06/12 21:49	1
Dichlorodifluoromethane	ND		0.0020		mg/Kg			12/06/12 21:49	1
Ethanol	ND		0.20		mg/Kg			12/06/12 21:49	1
Isopropyl Ether (DIPE)	ND		0.0020		mg/Kg			12/06/12 21:49	1
Ethyl-t-butyl ether (ETBE)	ND		0.0020		mg/Kg			12/06/12 21:49	1
Ethylbenzene	ND		0.00099		mg/Kg			12/06/12 21:49	1
Hexachlorobutadiene	ND		0.0020		mg/Kg			12/06/12 21:49	1
Isopropylbenzene	ND		0.00099		mg/Kg			12/06/12 21:49	1
m,p-Xylene	ND		0.0020		mg/Kg			12/06/12 21:49	1
Methylene Chloride	ND		0.0099		mg/Kg			12/06/12 21:49	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			12/06/12 21:49	1
Naphthalene	ND		0.0020		mg/Kg			12/06/12 21:49	1

Client Sample ID: SB2-SS-5'

Lab Sample ID: 440-31357-3

Date Collected: 12/03/12 08:15

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0020	mg/Kg			12/06/12 21:49	1
N-Propylbenzene	ND		0.00099	mg/Kg			12/06/12 21:49	1
o-Xylene	ND		0.00099	mg/Kg			12/06/12 21:49	1
p-Isopropyltoluene	ND		0.00099	mg/Kg			12/06/12 21:49	1
sec-Butylbenzene	ND		0.0020	mg/Kg			12/06/12 21:49	1
Styrene	ND		0.00099	mg/Kg			12/06/12 21:49	1
Tert-amyl-methyl ether (TAME)	ND		0.0020	mg/Kg			12/06/12 21:49	1
tert-Butylbenzene	ND		0.0020	mg/Kg			12/06/12 21:49	1
Tetrachloroethene	ND		0.00099	mg/Kg			12/06/12 21:49	1
Toluene	ND		0.00099	mg/Kg			12/06/12 21:49	1
trans-1,2-Dichloroethene	ND		0.00099	mg/Kg			12/06/12 21:49	1
trans-1,3-Dichloropropene	ND		0.00099	mg/Kg			12/06/12 21:49	1
Trichloroethene	ND		0.00099	mg/Kg			12/06/12 21:49	1
Trichlorofluoromethane	ND		0.0020	mg/Kg			12/06/12 21:49	1
Xylenes, Total	ND		0.0020	mg/Kg			12/06/12 21:49	1
Vinyl chloride	ND		0.0020	mg/Kg			12/06/12 21:49	1
tert-Butyl alcohol (TBA)	ND		0.049	mg/Kg			12/06/12 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*12/06/12 21:49*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 125*		*12/06/12 21:49*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*12/06/12 21:49*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C4-C6	ND		0.38	mg/Kg			12/05/12 18:19	1
C6-C7	ND		0.38	mg/Kg			12/05/12 18:19	1
C7-C8	ND		0.38	mg/Kg			12/05/12 18:19	1
C8-C9	ND		0.38	mg/Kg			12/05/12 18:19	1
C9-C10	ND		0.38	mg/Kg			12/05/12 18:19	1
C10-C11	ND		0.38	mg/Kg			12/05/12 18:19	1
C11-C12	ND		0.38	mg/Kg			12/05/12 18:19	1
C12-C13	ND		0.38	mg/Kg			12/05/12 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*65 - 140*		*12/05/12 18:19*	*1*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
HC Dist (C13-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1
EFH (C13-C14)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1
EFH (C15-C16)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1
EFH (C17-C18)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1
EFH (C19-C20)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1
EFH (C21-C22)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1
EFH (C23-C24)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1
EFH (C25-C26)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1
EFH (C27-C28)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1
EFH (C29-C30)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1
EFH (C31-C32)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB2-SS-5'

Lab Sample ID: 440-31357-3

Date Collected: 12/03/12 08:15

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
EFH (C33-C34)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1
EFH (C35-C36)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1
EFH (C37-C38)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1
EFH (C39-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*71*		*40 - 140*	*12/05/12 08:57*	*12/05/12 16:38*	*1*

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB2-SS-10'

Lab Sample ID: 440-31357-4

Date Collected: 12/03/12 08:20
Matrix: Solid
Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0019		mg/Kg			12/06/12 22:47	1
1,1,1-Trichloroethane	ND		0.00097		mg/Kg			12/06/12 22:47	1
1,1,2,2-Tetrachloroethane	ND		0.0019		mg/Kg			12/06/12 22:47	1
1,1,2-Trichloroethane	ND		0.00097		mg/Kg			12/06/12 22:47	1
1,1-Dichloroethane	ND		0.00097		mg/Kg			12/06/12 22:47	1
1,1-Dichloroethene	ND		0.0019		mg/Kg			12/06/12 22:47	1
1,1-Dichloropropene	ND		0.00097		mg/Kg			12/06/12 22:47	1
1,2,3-Trichlorobenzene	ND		0.00097		mg/Kg			12/06/12 22:47	1
1,2,3-Trichloropropane	ND		0.0097		mg/Kg			12/06/12 22:47	1
1,2,4-Trichlorobenzene	ND		0.0048		mg/Kg			12/06/12 22:47	1
1,2,4-Trimethylbenzene	ND		0.0019		mg/Kg			12/06/12 22:47	1
1,2-Dibromo-3-Chloropropane	ND		0.0048		mg/Kg			12/06/12 22:47	1
1,2-Dibromoethane (EDB)	ND		0.00097		mg/Kg			12/06/12 22:47	1
1,2-Dichlorobenzene	ND		0.00097		mg/Kg			12/06/12 22:47	1
1,2-Dichloroethane	ND		0.00097		mg/Kg			12/06/12 22:47	1
1,2-Dichloropropane	ND		0.00097		mg/Kg			12/06/12 22:47	1
1,3,5-Trimethylbenzene	ND		0.0019		mg/Kg			12/06/12 22:47	1
1,3-Dichlorobenzene	ND		0.00097		mg/Kg			12/06/12 22:47	1
1,3-Dichloropropane	ND		0.00097		mg/Kg			12/06/12 22:47	1
1,4-Dichlorobenzene	ND		0.00097		mg/Kg			12/06/12 22:47	1
2,2-Dichloropropane	ND		0.00097		mg/Kg			12/06/12 22:47	1
2-Chlorotoluene	ND		0.0019		mg/Kg			12/06/12 22:47	1
4-Chlorotoluene	ND		0.0019		mg/Kg			12/06/12 22:47	1
Benzene	ND		0.00097		mg/Kg			12/06/12 22:47	1
Bromobenzene	ND		0.0019		mg/Kg			12/06/12 22:47	1
Bromochloromethane	ND		0.0019		mg/Kg			12/06/12 22:47	1
Bromodichloromethane	ND		0.00097		mg/Kg			12/06/12 22:47	1
Bromoform	ND		0.0019		mg/Kg			12/06/12 22:47	1
Bromomethane	ND		0.0019		mg/Kg			12/06/12 22:47	1
Carbon tetrachloride	ND		0.0019		mg/Kg			12/06/12 22:47	1
Chlorobenzene	ND		0.00097		mg/Kg			12/06/12 22:47	1
Chloroethane	ND		0.0019		mg/Kg			12/06/12 22:47	1
Chloroform	ND		0.00097		mg/Kg			12/06/12 22:47	1
Chloromethane	ND		0.0019		mg/Kg			12/06/12 22:47	1
cis-1,2-Dichloroethene	ND		0.00097		mg/Kg			12/06/12 22:47	1
cis-1,3-Dichloropropene	ND		0.00097		mg/Kg			12/06/12 22:47	1
Dibromochloromethane	ND		0.00097		mg/Kg			12/06/12 22:47	1
Dibromomethane	ND		0.00097		mg/Kg			12/06/12 22:47	1
Dichlorodifluoromethane	ND		0.0019		mg/Kg			12/06/12 22:47	1
Ethanol	ND		0.19		mg/Kg			12/06/12 22:47	1
Isopropyl Ether (DIPE)	ND		0.0019		mg/Kg			12/06/12 22:47	1
Ethyl-t-butyl ether (ETBE)	ND		0.0019		mg/Kg			12/06/12 22:47	1
Ethylbenzene	ND		0.00097		mg/Kg			12/06/12 22:47	1
Hexachlorobutadiene	ND		0.0019		mg/Kg			12/06/12 22:47	1
Isopropylbenzene	ND		0.00097		mg/Kg			12/06/12 22:47	1
m,p-Xylene	ND		0.0019		mg/Kg			12/06/12 22:47	1
Methylene Chloride	ND		0.0097		mg/Kg			12/06/12 22:47	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0019		mg/Kg			12/06/12 22:47	1
Naphthalene	ND		0.0019		mg/Kg			12/06/12 22:47	1

Client Sample ID: SB2-SS-10'

Lab Sample ID: 440-31357-4

Date Collected: 12/03/12 08:20

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 22:47	1
N-Propylbenzene	ND		0.00097	mg/Kg			12/06/12 22:47	1
o-Xylene	ND		0.00097	mg/Kg			12/06/12 22:47	1
p-Isopropyltoluene	ND		0.00097	mg/Kg			12/06/12 22:47	1
sec-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 22:47	1
Styrene	ND		0.00097	mg/Kg			12/06/12 22:47	1
Tert-amyl-methyl ether (TAME)	ND		0.0019	mg/Kg			12/06/12 22:47	1
tert-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 22:47	1
Tetrachloroethene	ND		0.00097	mg/Kg			12/06/12 22:47	1
Toluene	ND		0.00097	mg/Kg			12/06/12 22:47	1
trans-1,2-Dichloroethene	ND		0.00097	mg/Kg			12/06/12 22:47	1
trans-1,3-Dichloropropene	ND		0.00097	mg/Kg			12/06/12 22:47	1
Trichloroethene	ND		0.00097	mg/Kg			12/06/12 22:47	1
Trichlorofluoromethane	ND		0.0019	mg/Kg			12/06/12 22:47	1
Xylenes, Total	ND		0.0019	mg/Kg			12/06/12 22:47	1
Vinyl chloride	ND		0.0019	mg/Kg			12/06/12 22:47	1
tert-Butyl alcohol (TBA)	ND		0.048	mg/Kg			12/06/12 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*12/06/12 22:47*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 125*		*12/06/12 22:47*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*12/06/12 22:47*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C4-C6	ND		0.38	mg/Kg			12/05/12 18:47	1
C6-C7	ND		0.38	mg/Kg			12/05/12 18:47	1
C7-C8	ND		0.38	mg/Kg			12/05/12 18:47	1
C8-C9	ND		0.38	mg/Kg			12/05/12 18:47	1
C9-C10	ND		0.38	mg/Kg			12/05/12 18:47	1
C10-C11	ND		0.38	mg/Kg			12/05/12 18:47	1
C11-C12	ND		0.38	mg/Kg			12/05/12 18:47	1
C12-C13	ND		0.38	mg/Kg			12/05/12 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*65 - 140*		*12/05/12 18:47*	*1*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
HC Dist (C13-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C13-C14)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C15-C16)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C17-C18)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C19-C20)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C21-C22)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C23-C24)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C25-C26)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C27-C28)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C29-C30)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C31-C32)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB2-SS-10'

Lab Sample ID: 440-31357-4

Date Collected: 12/03/12 08:20

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
EFH (C33-C34)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C35-C36)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C37-C38)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C39-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*77*		*40 - 140*	*12/05/12 08:57*	*12/05/12 15:53*	*1*

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB9-SS-10'

Lab Sample ID: 440-31357-7

Date Collected: 12/03/12 09:25
Matrix: Solid
Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0019		mg/Kg			12/06/12 23:17	1
1,1,1-Trichloroethane	ND		0.00097		mg/Kg			12/06/12 23:17	1
1,1,2,2-Tetrachloroethane	ND		0.0019		mg/Kg			12/06/12 23:17	1
1,1,2-Trichloroethane	ND		0.00097		mg/Kg			12/06/12 23:17	1
1,1-Dichloroethane	ND		0.00097		mg/Kg			12/06/12 23:17	1
1,1-Dichloroethene	ND		0.0019		mg/Kg			12/06/12 23:17	1
1,1-Dichloropropene	ND		0.00097		mg/Kg			12/06/12 23:17	1
1,2,3-Trichlorobenzene	ND		0.00097		mg/Kg			12/06/12 23:17	1
1,2,3-Trichloropropane	ND		0.0097		mg/Kg			12/06/12 23:17	1
1,2,4-Trichlorobenzene	ND		0.0049		mg/Kg			12/06/12 23:17	1
1,2,4-Trimethylbenzene	ND		0.0019		mg/Kg			12/06/12 23:17	1
1,2-Dibromo-3-Chloropropane	ND		0.0049		mg/Kg			12/06/12 23:17	1
1,2-Dibromoethane (EDB)	ND		0.00097		mg/Kg			12/06/12 23:17	1
1,2-Dichlorobenzene	ND		0.00097		mg/Kg			12/06/12 23:17	1
1,2-Dichloroethane	ND		0.00097		mg/Kg			12/06/12 23:17	1
1,2-Dichloropropane	ND		0.00097		mg/Kg			12/06/12 23:17	1
1,3,5-Trimethylbenzene	ND		0.0019		mg/Kg			12/06/12 23:17	1
1,3-Dichlorobenzene	ND		0.00097		mg/Kg			12/06/12 23:17	1
1,3-Dichloropropane	ND		0.00097		mg/Kg			12/06/12 23:17	1
1,4-Dichlorobenzene	ND		0.00097		mg/Kg			12/06/12 23:17	1
2,2-Dichloropropane	ND		0.00097		mg/Kg			12/06/12 23:17	1
2-Chlorotoluene	ND		0.0019		mg/Kg			12/06/12 23:17	1
4-Chlorotoluene	ND		0.0019		mg/Kg			12/06/12 23:17	1
Benzene	ND		0.00097		mg/Kg			12/06/12 23:17	1
Bromobenzene	ND		0.0019		mg/Kg			12/06/12 23:17	1
Bromochloromethane	ND		0.0019		mg/Kg			12/06/12 23:17	1
Bromodichloromethane	ND		0.00097		mg/Kg			12/06/12 23:17	1
Bromoform	ND		0.0019		mg/Kg			12/06/12 23:17	1
Bromomethane	ND		0.0019		mg/Kg			12/06/12 23:17	1
Carbon tetrachloride	ND		0.0019		mg/Kg			12/06/12 23:17	1
Chlorobenzene	ND		0.00097		mg/Kg			12/06/12 23:17	1
Chloroethane	ND		0.0019		mg/Kg			12/06/12 23:17	1
Chloroform	ND		0.00097		mg/Kg			12/06/12 23:17	1
Chloromethane	ND		0.0019		mg/Kg			12/06/12 23:17	1
cis-1,2-Dichloroethene	ND		0.00097		mg/Kg			12/06/12 23:17	1
cis-1,3-Dichloropropene	ND		0.00097		mg/Kg			12/06/12 23:17	1
Dibromochloromethane	ND		0.00097		mg/Kg			12/06/12 23:17	1
Dibromomethane	ND		0.00097		mg/Kg			12/06/12 23:17	1
Dichlorodifluoromethane	ND		0.0019		mg/Kg			12/06/12 23:17	1
Ethanol	ND		0.19		mg/Kg			12/06/12 23:17	1
Isopropyl Ether (DIPE)	ND		0.0019		mg/Kg			12/06/12 23:17	1
Ethyl-t-butyl ether (ETBE)	ND		0.0019		mg/Kg			12/06/12 23:17	1
Ethylbenzene	ND		0.00097		mg/Kg			12/06/12 23:17	1
Hexachlorobutadiene	ND		0.0019		mg/Kg			12/06/12 23:17	1
Isopropylbenzene	ND		0.00097		mg/Kg			12/06/12 23:17	1
m,p-Xylene	ND		0.0019		mg/Kg			12/06/12 23:17	1
Methylene Chloride	ND		0.0097		mg/Kg			12/06/12 23:17	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0019		mg/Kg			12/06/12 23:17	1
Naphthalene	ND		0.0019		mg/Kg			12/06/12 23:17	1

Client Sample ID: SB9-SS-10'

Lab Sample ID: 440-31357-7

Date Collected: 12/03/12 09:25

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 23:17	1
N-Propylbenzene	ND		0.00097	mg/Kg			12/06/12 23:17	1
o-Xylene	ND		0.00097	mg/Kg			12/06/12 23:17	1
p-Isopropyltoluene	ND		0.00097	mg/Kg			12/06/12 23:17	1
sec-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 23:17	1
Styrene	ND		0.00097	mg/Kg			12/06/12 23:17	1
Tert-amyl-methyl ether (TAME)	ND		0.0019	mg/Kg			12/06/12 23:17	1
tert-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 23:17	1
Tetrachloroethene	ND		0.00097	mg/Kg			12/06/12 23:17	1
Toluene	ND		0.00097	mg/Kg			12/06/12 23:17	1
trans-1,2-Dichloroethene	ND		0.00097	mg/Kg			12/06/12 23:17	1
trans-1,3-Dichloropropene	ND		0.00097	mg/Kg			12/06/12 23:17	1
Trichloroethene	ND		0.00097	mg/Kg			12/06/12 23:17	1
Trichlorofluoromethane	ND		0.0019	mg/Kg			12/06/12 23:17	1
Xylenes, Total	ND		0.0019	mg/Kg			12/06/12 23:17	1
Vinyl chloride	ND		0.0019	mg/Kg			12/06/12 23:17	1
tert-Butyl alcohol (TBA)	ND		0.049	mg/Kg			12/06/12 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*12/06/12 23:17*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 125*		*12/06/12 23:17*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*12/06/12 23:17*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C4-C6	ND		0.38	mg/Kg			12/05/12 19:15	1
C6-C7	ND		0.38	mg/Kg			12/05/12 19:15	1
C7-C8	ND		0.38	mg/Kg			12/05/12 19:15	1
C8-C9	ND		0.38	mg/Kg			12/05/12 19:15	1
C9-C10	ND		0.38	mg/Kg			12/05/12 19:15	1
C10-C11	ND		0.38	mg/Kg			12/05/12 19:15	1
C11-C12	ND		0.38	mg/Kg			12/05/12 19:15	1
C12-C13	ND		0.38	mg/Kg			12/05/12 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*65 - 140*		*12/05/12 19:15*	*1*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
HC Dist (C13-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:23	1
EFH (C13-C14)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:23	1
EFH (C15-C16)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:23	1
EFH (C17-C18)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:23	1
EFH (C19-C20)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:23	1
EFH (C21-C22)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:23	1
EFH (C23-C24)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:23	1
EFH (C25-C26)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:23	1
EFH (C27-C28)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:23	1
EFH (C29-C30)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:23	1
EFH (C31-C32)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:23	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB9-SS-10'

Lab Sample ID: 440-31357-7

Date Collected: 12/03/12 09:25

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
EFH (C33-C34)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:23	1
EFH (C35-C36)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:23	1
EFH (C37-C38)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:23	1
EFH (C39-C40)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*75*		*40 - 140*	*12/05/12 08:57*	*12/05/12 14:23*	*1*

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB9-SS-20'

Lab Sample ID: 440-31357-9

Date Collected: 12/03/12 09:35
Matrix: Solid
Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0019		mg/Kg			12/06/12 23:46	1
1,1,1-Trichloroethane	ND		0.00097		mg/Kg			12/06/12 23:46	1
1,1,2,2-Tetrachloroethane	ND		0.0019		mg/Kg			12/06/12 23:46	1
1,1,2-Trichloroethane	ND		0.00097		mg/Kg			12/06/12 23:46	1
1,1-Dichloroethane	ND		0.00097		mg/Kg			12/06/12 23:46	1
1,1-Dichloroethene	ND		0.0019		mg/Kg			12/06/12 23:46	1
1,1-Dichloropropene	ND		0.00097		mg/Kg			12/06/12 23:46	1
1,2,3-Trichlorobenzene	ND		0.00097		mg/Kg			12/06/12 23:46	1
1,2,3-Trichloropropane	ND		0.0097		mg/Kg			12/06/12 23:46	1
1,2,4-Trichlorobenzene	ND		0.0049		mg/Kg			12/06/12 23:46	1
1,2,4-Trimethylbenzene	ND		0.0019		mg/Kg			12/06/12 23:46	1
1,2-Dibromo-3-Chloropropane	ND		0.0049		mg/Kg			12/06/12 23:46	1
1,2-Dibromoethane (EDB)	ND		0.00097		mg/Kg			12/06/12 23:46	1
1,2-Dichlorobenzene	ND		0.00097		mg/Kg			12/06/12 23:46	1
1,2-Dichloroethane	ND		0.00097		mg/Kg			12/06/12 23:46	1
1,2-Dichloropropane	ND		0.00097		mg/Kg			12/06/12 23:46	1
1,3,5-Trimethylbenzene	ND		0.0019		mg/Kg			12/06/12 23:46	1
1,3-Dichlorobenzene	ND		0.00097		mg/Kg			12/06/12 23:46	1
1,3-Dichloropropane	ND		0.00097		mg/Kg			12/06/12 23:46	1
1,4-Dichlorobenzene	ND		0.00097		mg/Kg			12/06/12 23:46	1
2,2-Dichloropropane	ND		0.00097		mg/Kg			12/06/12 23:46	1
2-Chlorotoluene	ND		0.0019		mg/Kg			12/06/12 23:46	1
4-Chlorotoluene	ND		0.0019		mg/Kg			12/06/12 23:46	1
Benzene	ND		0.00097		mg/Kg			12/06/12 23:46	1
Bromobenzene	ND		0.0019		mg/Kg			12/06/12 23:46	1
Bromochloromethane	ND		0.0019		mg/Kg			12/06/12 23:46	1
Bromodichloromethane	ND		0.00097		mg/Kg			12/06/12 23:46	1
Bromoform	ND		0.0019		mg/Kg			12/06/12 23:46	1
Bromomethane	ND		0.0019		mg/Kg			12/06/12 23:46	1
Carbon tetrachloride	ND		0.0019		mg/Kg			12/06/12 23:46	1
Chlorobenzene	ND		0.00097		mg/Kg			12/06/12 23:46	1
Chloroethane	ND		0.0019		mg/Kg			12/06/12 23:46	1
Chloroform	ND		0.00097		mg/Kg			12/06/12 23:46	1
Chloromethane	ND		0.0019		mg/Kg			12/06/12 23:46	1
cis-1,2-Dichloroethene	ND		0.00097		mg/Kg			12/06/12 23:46	1
cis-1,3-Dichloropropene	ND		0.00097		mg/Kg			12/06/12 23:46	1
Dibromochloromethane	ND		0.00097		mg/Kg			12/06/12 23:46	1
Dibromomethane	ND		0.00097		mg/Kg			12/06/12 23:46	1
Dichlorodifluoromethane	ND		0.0019		mg/Kg			12/06/12 23:46	1
Ethanol	ND		0.19		mg/Kg			12/06/12 23:46	1
Isopropyl Ether (DIPE)	ND		0.0019		mg/Kg			12/06/12 23:46	1
Ethyl-t-butyl ether (ETBE)	ND		0.0019		mg/Kg			12/06/12 23:46	1
Ethylbenzene	ND		0.00097		mg/Kg			12/06/12 23:46	1
Hexachlorobutadiene	ND		0.0019		mg/Kg			12/06/12 23:46	1
Isopropylbenzene	ND		0.00097		mg/Kg			12/06/12 23:46	1
m,p-Xylene	ND		0.0019		mg/Kg			12/06/12 23:46	1
Methylene Chloride	ND		0.0097		mg/Kg			12/06/12 23:46	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0019		mg/Kg			12/06/12 23:46	1
Naphthalene	ND		0.0019		mg/Kg			12/06/12 23:46	1

Client Sample ID: SB9-SS-20'

Lab Sample ID: 440-31357-9

Date Collected: 12/03/12 09:35

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 23:46	1
N-Propylbenzene	ND		0.00097	mg/Kg			12/06/12 23:46	1
o-Xylene	ND		0.00097	mg/Kg			12/06/12 23:46	1
p-Isopropyltoluene	ND		0.00097	mg/Kg			12/06/12 23:46	1
sec-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 23:46	1
Styrene	ND		0.00097	mg/Kg			12/06/12 23:46	1
Tert-amyl-methyl ether (TAME)	ND		0.0019	mg/Kg			12/06/12 23:46	1
tert-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 23:46	1
Tetrachloroethene	ND		0.00097	mg/Kg			12/06/12 23:46	1
Toluene	ND		0.00097	mg/Kg			12/06/12 23:46	1
trans-1,2-Dichloroethene	ND		0.00097	mg/Kg			12/06/12 23:46	1
trans-1,3-Dichloropropene	ND		0.00097	mg/Kg			12/06/12 23:46	1
Trichloroethene	ND		0.00097	mg/Kg			12/06/12 23:46	1
Trichlorofluoromethane	ND		0.0019	mg/Kg			12/06/12 23:46	1
Xylenes, Total	ND		0.0019	mg/Kg			12/06/12 23:46	1
Vinyl chloride	ND		0.0019	mg/Kg			12/06/12 23:46	1
tert-Butyl alcohol (TBA)	ND		0.049	mg/Kg			12/06/12 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*12/06/12 23:46*	*1*
Dibromofluoromethane (Surr)	*113*		*80 - 125*		*12/06/12 23:46*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*12/06/12 23:46*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C4-C6	ND		0.37	mg/Kg			12/05/12 19:44	1
C6-C7	ND		0.37	mg/Kg			12/05/12 19:44	1
C7-C8	ND		0.37	mg/Kg			12/05/12 19:44	1
C8-C9	ND		0.37	mg/Kg			12/05/12 19:44	1
C9-C10	ND		0.37	mg/Kg			12/05/12 19:44	1
C10-C11	ND		0.37	mg/Kg			12/05/12 19:44	1
C11-C12	ND		0.37	mg/Kg			12/05/12 19:44	1
C12-C13	ND		0.37	mg/Kg			12/05/12 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*65 - 140*		*12/05/12 19:44*	*1*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
HC Dist (C13-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:08	1
EFH (C13-C14)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:08	1
EFH (C15-C16)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:08	1
EFH (C17-C18)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:08	1
EFH (C19-C20)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:08	1
EFH (C21-C22)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:08	1
EFH (C23-C24)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:08	1
EFH (C25-C26)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:08	1
EFH (C27-C28)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:08	1
EFH (C29-C30)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:08	1
EFH (C31-C32)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:08	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB9-SS-20'

Lab Sample ID: 440-31357-9

Date Collected: 12/03/12 09:35

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
EFH (C33-C34)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 15:08	1
EFH (C35-C36)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 15:08	1
EFH (C37-C38)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 15:08	1
EFH (C39-C40)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*90*		*40 - 140*	*12/05/12 08:57*	*12/05/12 15:08*	*1*

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB8-SS-10'
Date Collected: 12/03/12 10:10
Date Received: 12/03/12 18:25

Lab Sample ID: 440-31357-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0019		mg/Kg			12/07/12 00:15	1
1,1,1-Trichloroethane	ND		0.00095		mg/Kg			12/07/12 00:15	1
1,1,2,2-Tetrachloroethane	ND		0.0019		mg/Kg			12/07/12 00:15	1
1,1,2-Trichloroethane	ND		0.00095		mg/Kg			12/07/12 00:15	1
1,1-Dichloroethane	ND		0.00095		mg/Kg			12/07/12 00:15	1
1,1-Dichloroethene	ND		0.0019		mg/Kg			12/07/12 00:15	1
1,1-Dichloropropene	ND		0.00095		mg/Kg			12/07/12 00:15	1
1,2,3-Trichlorobenzene	ND		0.00095		mg/Kg			12/07/12 00:15	1
1,2,3-Trichloropropane	ND		0.0095		mg/Kg			12/07/12 00:15	1
1,2,4-Trichlorobenzene	ND		0.0047		mg/Kg			12/07/12 00:15	1
1,2,4-Trimethylbenzene	ND		0.0019		mg/Kg			12/07/12 00:15	1
1,2-Dibromo-3-Chloropropane	ND		0.0047		mg/Kg			12/07/12 00:15	1
1,2-Dibromoethane (EDB)	ND		0.00095		mg/Kg			12/07/12 00:15	1
1,2-Dichlorobenzene	ND		0.00095		mg/Kg			12/07/12 00:15	1
1,2-Dichloroethane	ND		0.00095		mg/Kg			12/07/12 00:15	1
1,2-Dichloropropane	ND		0.00095		mg/Kg			12/07/12 00:15	1
1,3,5-Trimethylbenzene	ND		0.0019		mg/Kg			12/07/12 00:15	1
1,3-Dichlorobenzene	ND		0.00095		mg/Kg			12/07/12 00:15	1
1,3-Dichloropropane	ND		0.00095		mg/Kg			12/07/12 00:15	1
1,4-Dichlorobenzene	ND		0.00095		mg/Kg			12/07/12 00:15	1
2,2-Dichloropropane	ND		0.00095		mg/Kg			12/07/12 00:15	1
2-Chlorotoluene	ND		0.0019		mg/Kg			12/07/12 00:15	1
4-Chlorotoluene	ND		0.0019		mg/Kg			12/07/12 00:15	1
Benzene	ND		0.00095		mg/Kg			12/07/12 00:15	1
Bromobenzene	ND		0.0019		mg/Kg			12/07/12 00:15	1
Bromochloromethane	ND		0.0019		mg/Kg			12/07/12 00:15	1
Bromodichloromethane	ND		0.00095		mg/Kg			12/07/12 00:15	1
Bromoform	ND		0.0019		mg/Kg			12/07/12 00:15	1
Bromomethane	ND		0.0019		mg/Kg			12/07/12 00:15	1
Carbon tetrachloride	ND		0.0019		mg/Kg			12/07/12 00:15	1
Chlorobenzene	ND		0.00095		mg/Kg			12/07/12 00:15	1
Chloroethane	ND		0.0019		mg/Kg			12/07/12 00:15	1
Chloroform	ND		0.00095		mg/Kg			12/07/12 00:15	1
Chloromethane	ND		0.0019		mg/Kg			12/07/12 00:15	1
cis-1,2-Dichloroethene	ND		0.00095		mg/Kg			12/07/12 00:15	1
cis-1,3-Dichloropropene	ND		0.00095		mg/Kg			12/07/12 00:15	1
Dibromochloromethane	ND		0.00095		mg/Kg			12/07/12 00:15	1
Dibromomethane	ND		0.00095		mg/Kg			12/07/12 00:15	1
Dichlorodifluoromethane	ND		0.0019		mg/Kg			12/07/12 00:15	1
Ethanol	ND		0.19		mg/Kg			12/07/12 00:15	1
Isopropyl Ether (DIPE)	ND		0.0019		mg/Kg			12/07/12 00:15	1
Ethyl-t-butyl ether (ETBE)	ND		0.0019		mg/Kg			12/07/12 00:15	1
Ethylbenzene	ND		0.00095		mg/Kg			12/07/12 00:15	1
Hexachlorobutadiene	ND		0.0019		mg/Kg			12/07/12 00:15	1
Isopropylbenzene	ND		0.00095		mg/Kg			12/07/12 00:15	1
m,p-Xylene	ND		0.0019		mg/Kg			12/07/12 00:15	1
Methylene Chloride	ND		0.0095		mg/Kg			12/07/12 00:15	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0019		mg/Kg			12/07/12 00:15	1
Naphthalene	ND		0.0019		mg/Kg			12/07/12 00:15	1

Client Sample ID: SB8-SS-10'

Lab Sample ID: 440-31357-11

Date Collected: 12/03/12 10:10

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0019	mg/Kg			12/07/12 00:15	1
N-Propylbenzene	ND		0.00095	mg/Kg			12/07/12 00:15	1
o-Xylene	ND		0.00095	mg/Kg			12/07/12 00:15	1
p-Isopropyltoluene	ND		0.00095	mg/Kg			12/07/12 00:15	1
sec-Butylbenzene	ND		0.0019	mg/Kg			12/07/12 00:15	1
Styrene	ND		0.00095	mg/Kg			12/07/12 00:15	1
Tert-amyl-methyl ether (TAME)	ND		0.0019	mg/Kg			12/07/12 00:15	1
tert-Butylbenzene	ND		0.0019	mg/Kg			12/07/12 00:15	1
Tetrachloroethene	ND		0.00095	mg/Kg			12/07/12 00:15	1
Toluene	ND		0.00095	mg/Kg			12/07/12 00:15	1
trans-1,2-Dichloroethene	ND		0.00095	mg/Kg			12/07/12 00:15	1
trans-1,3-Dichloropropene	ND		0.00095	mg/Kg			12/07/12 00:15	1
Trichloroethene	ND		0.00095	mg/Kg			12/07/12 00:15	1
Trichlorofluoromethane	ND		0.0019	mg/Kg			12/07/12 00:15	1
Xylenes, Total	ND		0.0019	mg/Kg			12/07/12 00:15	1
Vinyl chloride	ND		0.0019	mg/Kg			12/07/12 00:15	1
tert-Butyl alcohol (TBA)	ND		0.047	mg/Kg			12/07/12 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*12/07/12 00:15*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 125*		*12/07/12 00:15*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*12/07/12 00:15*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C4-C6	ND		0.38	mg/Kg			12/05/12 20:12	1
C6-C7	ND		0.38	mg/Kg			12/05/12 20:12	1
C7-C8	ND		0.38	mg/Kg			12/05/12 20:12	1
C8-C9	ND		0.38	mg/Kg			12/05/12 20:12	1
C9-C10	ND		0.38	mg/Kg			12/05/12 20:12	1
C10-C11	ND		0.38	mg/Kg			12/05/12 20:12	1
C11-C12	ND		0.38	mg/Kg			12/05/12 20:12	1
C12-C13	ND		0.38	mg/Kg			12/05/12 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*65 - 140*		*12/05/12 20:12*	*1*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
HC Dist (C13-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C13-C14)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C15-C16)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C17-C18)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C19-C20)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C21-C22)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C23-C24)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C25-C26)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C27-C28)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C29-C30)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C31-C32)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB8-SS-10'

Lab Sample ID: 440-31357-11

Date Collected: 12/03/12 10:10

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
EFH (C33-C34)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C35-C36)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C37-C38)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C39-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*84*		*40 - 140*	*12/05/12 08:57*	*12/05/12 16:15*	*1*

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB8-SS-20'
Date Collected: 12/03/12 10:20
Date Received: 12/03/12 18:25

Lab Sample ID: 440-31357-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/07/12 00:45	1
1,1,1-Trichloroethane	ND		0.00099		mg/Kg			12/07/12 00:45	1
1,1,2,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/07/12 00:45	1
1,1,2-Trichloroethane	ND		0.00099		mg/Kg			12/07/12 00:45	1
1,1-Dichloroethane	ND		0.00099		mg/Kg			12/07/12 00:45	1
1,1-Dichloroethene	ND		0.0020		mg/Kg			12/07/12 00:45	1
1,1-Dichloropropene	ND		0.00099		mg/Kg			12/07/12 00:45	1
1,2,3-Trichlorobenzene	ND		0.00099		mg/Kg			12/07/12 00:45	1
1,2,3-Trichloropropane	ND		0.0099		mg/Kg			12/07/12 00:45	1
1,2,4-Trichlorobenzene	ND		0.0050		mg/Kg			12/07/12 00:45	1
1,2,4-Trimethylbenzene	ND		0.0020		mg/Kg			12/07/12 00:45	1
1,2-Dibromo-3-Chloropropane	ND		0.0050		mg/Kg			12/07/12 00:45	1
1,2-Dibromoethane (EDB)	ND		0.00099		mg/Kg			12/07/12 00:45	1
1,2-Dichlorobenzene	ND		0.00099		mg/Kg			12/07/12 00:45	1
1,2-Dichloroethane	ND		0.00099		mg/Kg			12/07/12 00:45	1
1,2-Dichloropropane	ND		0.00099		mg/Kg			12/07/12 00:45	1
1,3,5-Trimethylbenzene	ND		0.0020		mg/Kg			12/07/12 00:45	1
1,3-Dichlorobenzene	ND		0.00099		mg/Kg			12/07/12 00:45	1
1,3-Dichloropropane	ND		0.00099		mg/Kg			12/07/12 00:45	1
1,4-Dichlorobenzene	ND		0.00099		mg/Kg			12/07/12 00:45	1
2,2-Dichloropropane	ND		0.00099		mg/Kg			12/07/12 00:45	1
2-Chlorotoluene	ND		0.0020		mg/Kg			12/07/12 00:45	1
4-Chlorotoluene	ND		0.0020		mg/Kg			12/07/12 00:45	1
Benzene	ND		0.00099		mg/Kg			12/07/12 00:45	1
Bromobenzene	ND		0.0020		mg/Kg			12/07/12 00:45	1
Bromochloromethane	ND		0.0020		mg/Kg			12/07/12 00:45	1
Bromodichloromethane	ND		0.00099		mg/Kg			12/07/12 00:45	1
Bromoform	ND		0.0020		mg/Kg			12/07/12 00:45	1
Bromomethane	ND		0.0020		mg/Kg			12/07/12 00:45	1
Carbon tetrachloride	ND		0.0020		mg/Kg			12/07/12 00:45	1
Chlorobenzene	ND		0.00099		mg/Kg			12/07/12 00:45	1
Chloroethane	ND		0.0020		mg/Kg			12/07/12 00:45	1
Chloroform	ND		0.00099		mg/Kg			12/07/12 00:45	1
Chloromethane	ND		0.0020		mg/Kg			12/07/12 00:45	1
cis-1,2-Dichloroethene	ND		0.00099		mg/Kg			12/07/12 00:45	1
cis-1,3-Dichloropropene	ND		0.00099		mg/Kg			12/07/12 00:45	1
Dibromochloromethane	ND		0.00099		mg/Kg			12/07/12 00:45	1
Dibromomethane	ND		0.00099		mg/Kg			12/07/12 00:45	1
Dichlorodifluoromethane	ND		0.0020		mg/Kg			12/07/12 00:45	1
Ethanol	ND		0.20		mg/Kg			12/07/12 00:45	1
Isopropyl Ether (DIPE)	ND		0.0020		mg/Kg			12/07/12 00:45	1
Ethyl-t-butyl ether (ETBE)	ND		0.0020		mg/Kg			12/07/12 00:45	1
Ethylbenzene	ND		0.00099		mg/Kg			12/07/12 00:45	1
Hexachlorobutadiene	ND		0.0020		mg/Kg			12/07/12 00:45	1
Isopropylbenzene	ND		0.00099		mg/Kg			12/07/12 00:45	1
m,p-Xylene	ND		0.0020		mg/Kg			12/07/12 00:45	1
Methylene Chloride	ND		0.0099		mg/Kg			12/07/12 00:45	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			12/07/12 00:45	1
Naphthalene	ND		0.0020		mg/Kg			12/07/12 00:45	1

Client Sample ID: SB8-SS-20'

Lab Sample ID: 440-31357-13

Date Collected: 12/03/12 10:20

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0020	mg/Kg			12/07/12 00:45	1
N-Propylbenzene	ND		0.00099	mg/Kg			12/07/12 00:45	1
o-Xylene	ND		0.00099	mg/Kg			12/07/12 00:45	1
p-Isopropyltoluene	ND		0.00099	mg/Kg			12/07/12 00:45	1
sec-Butylbenzene	ND		0.0020	mg/Kg			12/07/12 00:45	1
Styrene	ND		0.00099	mg/Kg			12/07/12 00:45	1
Tert-amyl-methyl ether (TAME)	ND		0.0020	mg/Kg			12/07/12 00:45	1
tert-Butylbenzene	ND		0.0020	mg/Kg			12/07/12 00:45	1
Tetrachloroethene	ND		0.00099	mg/Kg			12/07/12 00:45	1
Toluene	ND		0.00099	mg/Kg			12/07/12 00:45	1
trans-1,2-Dichloroethene	ND		0.00099	mg/Kg			12/07/12 00:45	1
trans-1,3-Dichloropropene	ND		0.00099	mg/Kg			12/07/12 00:45	1
Trichloroethene	ND		0.00099	mg/Kg			12/07/12 00:45	1
Trichlorofluoromethane	ND		0.0020	mg/Kg			12/07/12 00:45	1
Xylenes, Total	ND		0.0020	mg/Kg			12/07/12 00:45	1
Vinyl chloride	ND		0.0020	mg/Kg			12/07/12 00:45	1
tert-Butyl alcohol (TBA)	ND		0.050	mg/Kg			12/07/12 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*12/07/12 00:45*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 125*		*12/07/12 00:45*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*12/07/12 00:45*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C4-C6	ND		0.39	mg/Kg			12/05/12 20:40	1
C6-C7	ND		0.39	mg/Kg			12/05/12 20:40	1
C7-C8	ND		0.39	mg/Kg			12/05/12 20:40	1
C8-C9	ND		0.39	mg/Kg			12/05/12 20:40	1
C9-C10	ND		0.39	mg/Kg			12/05/12 20:40	1
C10-C11	ND		0.39	mg/Kg			12/05/12 20:40	1
C11-C12	ND		0.39	mg/Kg			12/05/12 20:40	1
C12-C13	ND		0.39	mg/Kg			12/05/12 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*65 - 140*		*12/05/12 20:40*	*1*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
HC Dist (C13-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C13-C14)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C15-C16)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C17-C18)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C19-C20)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C21-C22)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C23-C24)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C25-C26)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C27-C28)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C29-C30)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C31-C32)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB8-SS-20'

Lab Sample ID: 440-31357-13

Date Collected: 12/03/12 10:20

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
EFH (C33-C34)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C35-C36)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C37-C38)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1
EFH (C39-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*84*		*40 - 140*	*12/05/12 08:57*	*12/05/12 15:53*	*1*

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB3-SS-5'

Lab Sample ID: 440-31357-14

Date Collected: 12/03/12 10:45
Matrix: Solid
Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/06/12 21:16	1
1,1,1-Trichloroethane	ND		0.00098		mg/Kg			12/06/12 21:16	1
1,1,2,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/06/12 21:16	1
1,1,2-Trichloroethane	ND		0.00098		mg/Kg			12/06/12 21:16	1
1,1-Dichloroethane	ND		0.00098		mg/Kg			12/06/12 21:16	1
1,1-Dichloroethene	ND		0.0020		mg/Kg			12/06/12 21:16	1
1,1-Dichloropropene	ND		0.00098		mg/Kg			12/06/12 21:16	1
1,2,3-Trichlorobenzene	ND		0.00098		mg/Kg			12/06/12 21:16	1
1,2,3-Trichloropropane	ND		0.0098		mg/Kg			12/06/12 21:16	1
1,2,4-Trichlorobenzene	ND		0.0049		mg/Kg			12/06/12 21:16	1
1,2,4-Trimethylbenzene	**0.0023**		0.0020		mg/Kg			12/06/12 21:16	1
1,2-Dibromo-3-Chloropropane	ND		0.0049		mg/Kg			12/06/12 21:16	1
1,2-Dibromoethane (EDB)	ND		0.00098		mg/Kg			12/06/12 21:16	1
1,2-Dichlorobenzene	ND		0.00098		mg/Kg			12/06/12 21:16	1
1,2-Dichloroethane	ND		0.00098		mg/Kg			12/06/12 21:16	1
1,2-Dichloropropane	ND		0.00098		mg/Kg			12/06/12 21:16	1
1,3,5-Trimethylbenzene	ND		0.0020		mg/Kg			12/06/12 21:16	1
1,3-Dichlorobenzene	ND		0.00098		mg/Kg			12/06/12 21:16	1
1,3-Dichloropropane	ND		0.00098		mg/Kg			12/06/12 21:16	1
1,4-Dichlorobenzene	ND		0.00098		mg/Kg			12/06/12 21:16	1
2,2-Dichloropropane	ND		0.00098		mg/Kg			12/06/12 21:16	1
2-Chlorotoluene	ND		0.0020		mg/Kg			12/06/12 21:16	1
4-Chlorotoluene	ND		0.0020		mg/Kg			12/06/12 21:16	1
Benzene	ND		0.00098		mg/Kg			12/06/12 21:16	1
Bromobenzene	ND		0.0020		mg/Kg			12/06/12 21:16	1
Bromochloromethane	ND		0.0020		mg/Kg			12/06/12 21:16	1
Bromodichloromethane	ND		0.00098		mg/Kg			12/06/12 21:16	1
Bromoform	ND		0.0020		mg/Kg			12/06/12 21:16	1
Bromomethane	ND		0.0020		mg/Kg			12/06/12 21:16	1
Carbon tetrachloride	ND		0.0020		mg/Kg			12/06/12 21:16	1
Chlorobenzene	ND		0.00098		mg/Kg			12/06/12 21:16	1
Chloroethane	ND		0.0020		mg/Kg			12/06/12 21:16	1
Chloroform	ND		0.00098		mg/Kg			12/06/12 21:16	1
Chloromethane	ND		0.0020		mg/Kg			12/06/12 21:16	1
cis-1,2-Dichloroethene	ND		0.00098		mg/Kg			12/06/12 21:16	1
cis-1,3-Dichloropropene	ND		0.00098		mg/Kg			12/06/12 21:16	1
Dibromochloromethane	ND		0.00098		mg/Kg			12/06/12 21:16	1
Dibromomethane	ND		0.00098		mg/Kg			12/06/12 21:16	1
Dichlorodifluoromethane	ND		0.0020		mg/Kg			12/06/12 21:16	1
Ethanol	ND		0.20		mg/Kg			12/06/12 21:16	1
Isopropyl Ether (DIPE)	ND		0.0020		mg/Kg			12/06/12 21:16	1
Ethyl-t-butyl ether (ETBE)	ND		0.0020		mg/Kg			12/06/12 21:16	1
Ethylbenzene	ND		0.00098		mg/Kg			12/06/12 21:16	1
Hexachlorobutadiene	ND		0.0020		mg/Kg			12/06/12 21:16	1
Isopropylbenzene	ND		0.00098		mg/Kg			12/06/12 21:16	1
m,p-Xylene	ND		0.0020		mg/Kg			12/06/12 21:16	1
Methylene Chloride	ND		0.0098		mg/Kg			12/06/12 21:16	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			12/06/12 21:16	1
Naphthalene	ND		0.0020		mg/Kg			12/06/12 21:16	1

Client Sample ID: SB3-SS-5'

Lab Sample ID: 440-31357-14

Date Collected: 12/03/12 10:45

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0020	mg/Kg			12/06/12 21:16	1
N-Propylbenzene	ND		0.00098	mg/Kg			12/06/12 21:16	1
o-Xylene	ND		0.00098	mg/Kg			12/06/12 21:16	1
p-Isopropyltoluene	ND		0.00098	mg/Kg			12/06/12 21:16	1
sec-Butylbenzene	ND		0.0020	mg/Kg			12/06/12 21:16	1
Styrene	ND		0.00098	mg/Kg			12/06/12 21:16	1
Tert-amyl-methyl ether (TAME)	ND		0.0020	mg/Kg			12/06/12 21:16	1
tert-Butylbenzene	ND		0.0020	mg/Kg			12/06/12 21:16	1
Tetrachloroethene	ND		0.00098	mg/Kg			12/06/12 21:16	1
Toluene	ND		0.00098	mg/Kg			12/06/12 21:16	1
trans-1,2-Dichloroethene	ND		0.00098	mg/Kg			12/06/12 21:16	1
trans-1,3-Dichloropropene	ND		0.00098	mg/Kg			12/06/12 21:16	1
Trichloroethene	ND		0.00098	mg/Kg			12/06/12 21:16	1
Trichlorofluoromethane	ND		0.0020	mg/Kg			12/06/12 21:16	1
Xylenes, Total	ND		0.0020	mg/Kg			12/06/12 21:16	1
Vinyl chloride	ND		0.0020	mg/Kg			12/06/12 21:16	1
tert-Butyl alcohol (TBA)	ND		0.049	mg/Kg			12/06/12 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*12/06/12 21:16*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 125*		*12/06/12 21:16*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*12/06/12 21:16*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C4-C6	ND		0.37	mg/Kg			12/05/12 22:04	1
C6-C7	ND		0.37	mg/Kg			12/05/12 22:04	1
C7-C8	ND		0.37	mg/Kg			12/05/12 22:04	1
C8-C9	ND		0.37	mg/Kg			12/05/12 22:04	1
C9-C10	ND		0.37	mg/Kg			12/05/12 22:04	1
C10-C11	ND		0.37	mg/Kg			12/05/12 22:04	1
C11-C12	ND		0.37	mg/Kg			12/05/12 22:04	1
C12-C13	ND		0.37	mg/Kg			12/05/12 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*621*	*X*	*65 - 140*		*12/05/12 22:04*	*1*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
HC Dist (C13-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C13-C14)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C15-C16)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C17-C18)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C19-C20)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C21-C22)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C23-C24)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C25-C26)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C27-C28)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C29-C30)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C31-C32)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:01	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB3-SS-5'

Lab Sample ID: 440-31357-14

Date Collected: 12/03/12 10:45

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
EFH (C33-C34)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C35-C36)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C37-C38)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C39-C40)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*90*		*40 - 140*	*12/05/12 08:57*	*12/05/12 14:01*	*1*

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB4-SS-5'
Date Collected: 12/03/12 11:55
Date Received: 12/03/12 18:25

Lab Sample ID: 440-31357-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0019		mg/Kg			12/06/12 22:48	1
1,1,1-Trichloroethane	ND		0.00095		mg/Kg			12/06/12 22:48	1
1,1,2,2-Tetrachloroethane	ND		0.0019		mg/Kg			12/06/12 22:48	1
1,1,2-Trichloroethane	ND		0.00095		mg/Kg			12/06/12 22:48	1
1,1-Dichloroethane	ND		0.00095		mg/Kg			12/06/12 22:48	1
1,1-Dichloroethene	ND		0.0019		mg/Kg			12/06/12 22:48	1
1,1-Dichloropropene	ND		0.00095		mg/Kg			12/06/12 22:48	1
1,2,3-Trichlorobenzene	ND		0.00095		mg/Kg			12/06/12 22:48	1
1,2,3-Trichloropropane	ND		0.0095		mg/Kg			12/06/12 22:48	1
1,2,4-Trichlorobenzene	ND		0.0048		mg/Kg			12/06/12 22:48	1
1,2,4-Trimethylbenzene	ND		0.0019		mg/Kg			12/06/12 22:48	1
1,2-Dibromo-3-Chloropropane	ND		0.0048		mg/Kg			12/06/12 22:48	1
1,2-Dibromoethane (EDB)	ND		0.00095		mg/Kg			12/06/12 22:48	1
1,2-Dichlorobenzene	ND		0.00095		mg/Kg			12/06/12 22:48	1
1,2-Dichloroethane	ND		0.00095		mg/Kg			12/06/12 22:48	1
1,2-Dichloropropane	ND		0.00095		mg/Kg			12/06/12 22:48	1
1,3,5-Trimethylbenzene	ND		0.0019		mg/Kg			12/06/12 22:48	1
1,3-Dichlorobenzene	ND		0.00095		mg/Kg			12/06/12 22:48	1
1,3-Dichloropropane	ND		0.00095		mg/Kg			12/06/12 22:48	1
1,4-Dichlorobenzene	ND		0.00095		mg/Kg			12/06/12 22:48	1
2,2-Dichloropropane	ND		0.00095		mg/Kg			12/06/12 22:48	1
2-Chlorotoluene	ND		0.0019		mg/Kg			12/06/12 22:48	1
4-Chlorotoluene	ND		0.0019		mg/Kg			12/06/12 22:48	1
Benzene	ND		0.00095		mg/Kg			12/06/12 22:48	1
Bromobenzene	ND		0.0019		mg/Kg			12/06/12 22:48	1
Bromochloromethane	ND		0.0019		mg/Kg			12/06/12 22:48	1
Bromodichloromethane	ND		0.00095		mg/Kg			12/06/12 22:48	1
Bromoform	ND		0.0019		mg/Kg			12/06/12 22:48	1
Bromomethane	ND		0.0019		mg/Kg			12/06/12 22:48	1
Carbon tetrachloride	ND		0.0019		mg/Kg			12/06/12 22:48	1
Chlorobenzene	ND		0.00095		mg/Kg			12/06/12 22:48	1
Chloroethane	ND		0.0019		mg/Kg			12/06/12 22:48	1
Chloroform	ND		0.00095		mg/Kg			12/06/12 22:48	1
Chloromethane	ND		0.0019		mg/Kg			12/06/12 22:48	1
cis-1,2-Dichloroethene	ND		0.00095		mg/Kg			12/06/12 22:48	1
cis-1,3-Dichloropropene	ND		0.00095		mg/Kg			12/06/12 22:48	1
Dibromochloromethane	ND		0.00095		mg/Kg			12/06/12 22:48	1
Dibromomethane	ND		0.00095		mg/Kg			12/06/12 22:48	1
Dichlorodifluoromethane	ND		0.0019		mg/Kg			12/06/12 22:48	1
Ethanol	ND		0.19		mg/Kg			12/06/12 22:48	1
Isopropyl Ether (DIPE)	ND		0.0019		mg/Kg			12/06/12 22:48	1
Ethyl-t-butyl ether (ETBE)	ND		0.0019		mg/Kg			12/06/12 22:48	1
Ethylbenzene	ND		0.00095		mg/Kg			12/06/12 22:48	1
Hexachlorobutadiene	ND		0.0019		mg/Kg			12/06/12 22:48	1
Isopropylbenzene	ND		0.00095		mg/Kg			12/06/12 22:48	1
m,p-Xylene	ND		0.0019		mg/Kg			12/06/12 22:48	1
Methylene Chloride	ND		0.0095		mg/Kg			12/06/12 22:48	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0019		mg/Kg			12/06/12 22:48	1
Naphthalene	ND		0.0019		mg/Kg			12/06/12 22:48	1

Client Sample ID: SB4-SS-5'

Lab Sample ID: 440-31357-16

Date Collected: 12/03/12 11:55

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 22:48	1
N-Propylbenzene	ND		0.00095	mg/Kg			12/06/12 22:48	1
o-Xylene	ND		0.00095	mg/Kg			12/06/12 22:48	1
p-Isopropyltoluene	ND		0.00095	mg/Kg			12/06/12 22:48	1
sec-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 22:48	1
Styrene	ND		0.00095	mg/Kg			12/06/12 22:48	1
Tert-amyl-methyl ether (TAME)	ND		0.0019	mg/Kg			12/06/12 22:48	1
tert-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 22:48	1
Tetrachloroethene	ND		0.00095	mg/Kg			12/06/12 22:48	1
Toluene	ND		0.00095	mg/Kg			12/06/12 22:48	1
trans-1,2-Dichloroethene	ND		0.00095	mg/Kg			12/06/12 22:48	1
trans-1,3-Dichloropropene	ND		0.00095	mg/Kg			12/06/12 22:48	1
Trichloroethene	ND		0.00095	mg/Kg			12/06/12 22:48	1
Trichlorofluoromethane	ND		0.0019	mg/Kg			12/06/12 22:48	1
Xylenes, Total	ND		0.0019	mg/Kg			12/06/12 22:48	1
Vinyl chloride	ND		0.0019	mg/Kg			12/06/12 22:48	1
tert-Butyl alcohol (TBA)	ND		0.048	mg/Kg			12/06/12 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*12/06/12 22:48*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 125*		*12/06/12 22:48*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*12/06/12 22:48*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C4-C6	ND		0.37	mg/Kg			12/05/12 22:33	1
C6-C7	ND		0.37	mg/Kg			12/05/12 22:33	1
C7-C8	ND		0.37	mg/Kg			12/05/12 22:33	1
C8-C9	ND		0.37	mg/Kg			12/05/12 22:33	1
C9-C10	ND		0.37	mg/Kg			12/05/12 22:33	1
C10-C11	ND		0.37	mg/Kg			12/05/12 22:33	1
C11-C12	ND		0.37	mg/Kg			12/05/12 22:33	1
C12-C13	ND		0.37	mg/Kg			12/05/12 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*65 - 140*		*12/05/12 22:33*	*1*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
HC Dist (C13-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1
EFH (C13-C14)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1
EFH (C15-C16)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1
EFH (C17-C18)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1
EFH (C19-C20)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1
EFH (C21-C22)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1
EFH (C23-C24)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1
EFH (C25-C26)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1
EFH (C27-C28)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1
EFH (C29-C30)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1
EFH (C31-C32)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB4-SS-5'

Lab Sample ID: 440-31357-16

Date Collected: 12/03/12 11:55

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
EFH (C33-C34)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1
EFH (C35-C36)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1
EFH (C37-C38)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1
EFH (C39-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*95*		*40 - 140*	*12/05/12 08:57*	*12/05/12 15:30*	*1*

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB7-SS-10'

Lab Sample ID: 440-31357-19

Date Collected: 12/03/12 12:45
Matrix: Solid
Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/06/12 23:19	1
1,1,1-Trichloroethane	ND		0.00098		mg/Kg			12/06/12 23:19	1
1,1,2,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/06/12 23:19	1
1,1,2-Trichloroethane	ND		0.00098		mg/Kg			12/06/12 23:19	1
1,1-Dichloroethane	ND		0.00098		mg/Kg			12/06/12 23:19	1
1,1-Dichloroethene	ND		0.0020		mg/Kg			12/06/12 23:19	1
1,1-Dichloropropene	ND		0.00098		mg/Kg			12/06/12 23:19	1
1,2,3-Trichlorobenzene	ND		0.00098		mg/Kg			12/06/12 23:19	1
1,2,3-Trichloropropane	ND		0.0098		mg/Kg			12/06/12 23:19	1
1,2,4-Trichlorobenzene	ND		0.0049		mg/Kg			12/06/12 23:19	1
1,2,4-Trimethylbenzene	ND		0.0020		mg/Kg			12/06/12 23:19	1
1,2-Dibromo-3-Chloropropane	ND		0.0049		mg/Kg			12/06/12 23:19	1
1,2-Dibromoethane (EDB)	ND		0.00098		mg/Kg			12/06/12 23:19	1
1,2-Dichlorobenzene	ND		0.00098		mg/Kg			12/06/12 23:19	1
1,2-Dichloroethane	ND		0.00098		mg/Kg			12/06/12 23:19	1
1,2-Dichloropropane	ND		0.00098		mg/Kg			12/06/12 23:19	1
1,3,5-Trimethylbenzene	ND		0.0020		mg/Kg			12/06/12 23:19	1
1,3-Dichlorobenzene	ND		0.00098		mg/Kg			12/06/12 23:19	1
1,3-Dichloropropane	ND		0.00098		mg/Kg			12/06/12 23:19	1
1,4-Dichlorobenzene	ND		0.00098		mg/Kg			12/06/12 23:19	1
2,2-Dichloropropane	ND		0.00098		mg/Kg			12/06/12 23:19	1
2-Chlorotoluene	ND		0.0020		mg/Kg			12/06/12 23:19	1
4-Chlorotoluene	ND		0.0020		mg/Kg			12/06/12 23:19	1
Benzene	ND		0.00098		mg/Kg			12/06/12 23:19	1
Bromobenzene	ND		0.0020		mg/Kg			12/06/12 23:19	1
Bromochloromethane	ND		0.0020		mg/Kg			12/06/12 23:19	1
Bromodichloromethane	ND		0.00098		mg/Kg			12/06/12 23:19	1
Bromoform	ND		0.0020		mg/Kg			12/06/12 23:19	1
Bromomethane	ND		0.0020		mg/Kg			12/06/12 23:19	1
Carbon tetrachloride	ND		0.0020		mg/Kg			12/06/12 23:19	1
Chlorobenzene	ND		0.00098		mg/Kg			12/06/12 23:19	1
Chloroethane	ND		0.0020		mg/Kg			12/06/12 23:19	1
Chloroform	ND		0.00098		mg/Kg			12/06/12 23:19	1
Chloromethane	ND		0.0020		mg/Kg			12/06/12 23:19	1
cis-1,2-Dichloroethene	ND		0.00098		mg/Kg			12/06/12 23:19	1
cis-1,3-Dichloropropene	ND		0.00098		mg/Kg			12/06/12 23:19	1
Dibromochloromethane	ND		0.00098		mg/Kg			12/06/12 23:19	1
Dibromomethane	ND		0.00098		mg/Kg			12/06/12 23:19	1
Dichlorodifluoromethane	ND		0.0020		mg/Kg			12/06/12 23:19	1
Ethanol	ND		0.20		mg/Kg			12/06/12 23:19	1
Isopropyl Ether (DIPE)	ND		0.0020		mg/Kg			12/06/12 23:19	1
Ethyl-t-butyl ether (ETBE)	ND		0.0020		mg/Kg			12/06/12 23:19	1
Ethylbenzene	ND		0.00098		mg/Kg			12/06/12 23:19	1
Hexachlorobutadiene	ND		0.0020		mg/Kg			12/06/12 23:19	1
Isopropylbenzene	ND		0.00098		mg/Kg			12/06/12 23:19	1
m,p-Xylene	ND		0.0020		mg/Kg			12/06/12 23:19	1
Methylene Chloride	ND		0.0098		mg/Kg			12/06/12 23:19	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			12/06/12 23:19	1
Naphthalene	ND		0.0020		mg/Kg			12/06/12 23:19	1

Client Sample ID: SB7-SS-10'

Lab Sample ID: 440-31357-19

Date Collected: 12/03/12 12:45

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0020	mg/Kg			12/06/12 23:19	1
N-Propylbenzene	ND		0.00098	mg/Kg			12/06/12 23:19	1
o-Xylene	ND		0.00098	mg/Kg			12/06/12 23:19	1
p-Isopropyltoluene	ND		0.00098	mg/Kg			12/06/12 23:19	1
sec-Butylbenzene	ND		0.0020	mg/Kg			12/06/12 23:19	1
Styrene	ND		0.00098	mg/Kg			12/06/12 23:19	1
Tert-amyl-methyl ether (TAME)	ND		0.0020	mg/Kg			12/06/12 23:19	1
tert-Butylbenzene	ND		0.0020	mg/Kg			12/06/12 23:19	1
Tetrachloroethene	ND		0.00098	mg/Kg			12/06/12 23:19	1
Toluene	ND		0.00098	mg/Kg			12/06/12 23:19	1
trans-1,2-Dichloroethene	ND		0.00098	mg/Kg			12/06/12 23:19	1
trans-1,3-Dichloropropene	ND		0.00098	mg/Kg			12/06/12 23:19	1
Trichloroethene	ND		0.00098	mg/Kg			12/06/12 23:19	1
Trichlorofluoromethane	ND		0.0020	mg/Kg			12/06/12 23:19	1
Xylenes, Total	ND		0.0020	mg/Kg			12/06/12 23:19	1
Vinyl chloride	ND		0.0020	mg/Kg			12/06/12 23:19	1
tert-Butyl alcohol (TBA)	ND		0.049	mg/Kg			12/06/12 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*12/06/12 23:19*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 125*		*12/06/12 23:19*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*12/06/12 23:19*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C4-C6	ND		0.38	mg/Kg			12/05/12 23:01	1
C6-C7	ND		0.38	mg/Kg			12/05/12 23:01	1
C7-C8	ND		0.38	mg/Kg			12/05/12 23:01	1
C8-C9	ND		0.38	mg/Kg			12/05/12 23:01	1
C9-C10	ND		0.38	mg/Kg			12/05/12 23:01	1
C10-C11	ND		0.38	mg/Kg			12/05/12 23:01	1
C11-C12	ND		0.38	mg/Kg			12/05/12 23:01	1
C12-C13	ND		0.38	mg/Kg			12/05/12 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*65 - 140*		*12/05/12 23:01*	*1*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
HC Dist (C13-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1
EFH (C13-C14)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1
EFH (C15-C16)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1
EFH (C17-C18)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1
EFH (C19-C20)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1
EFH (C21-C22)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1
EFH (C23-C24)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1
EFH (C25-C26)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1
EFH (C27-C28)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1
EFH (C29-C30)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1
EFH (C31-C32)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB7-SS-10'

Lab Sample ID: 440-31357-19

Date Collected: 12/03/12 12:45

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
EFH (C33-C34)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1
EFH (C35-C36)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1
EFH (C37-C38)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1
EFH (C39-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*88*		*40 - 140*	*12/05/12 08:57*	*12/05/12 14:45*	*1*

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB7-SS-20'

Lab Sample ID: 440-31357-21

Date Collected: 12/03/12 12:55
Matrix: Solid
Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0019		mg/Kg			12/06/12 23:49	1
1,1,1-Trichloroethane	ND		0.00096		mg/Kg			12/06/12 23:49	1
1,1,2,2-Tetrachloroethane	ND		0.0019		mg/Kg			12/06/12 23:49	1
1,1,2-Trichloroethane	ND		0.00096		mg/Kg			12/06/12 23:49	1
1,1-Dichloroethane	ND		0.00096		mg/Kg			12/06/12 23:49	1
1,1-Dichloroethene	ND		0.0019		mg/Kg			12/06/12 23:49	1
1,1-Dichloropropene	ND		0.00096		mg/Kg			12/06/12 23:49	1
1,2,3-Trichlorobenzene	ND		0.00096		mg/Kg			12/06/12 23:49	1
1,2,3-Trichloropropane	ND		0.0096		mg/Kg			12/06/12 23:49	1
1,2,4-Trichlorobenzene	ND		0.0048		mg/Kg			12/06/12 23:49	1
1,2,4-Trimethylbenzene	ND		0.0019		mg/Kg			12/06/12 23:49	1
1,2-Dibromo-3-Chloropropane	ND		0.0048		mg/Kg			12/06/12 23:49	1
1,2-Dibromoethane (EDB)	ND		0.00096		mg/Kg			12/06/12 23:49	1
1,2-Dichlorobenzene	ND		0.00096		mg/Kg			12/06/12 23:49	1
1,2-Dichloroethane	ND		0.00096		mg/Kg			12/06/12 23:49	1
1,2-Dichloropropane	ND		0.00096		mg/Kg			12/06/12 23:49	1
1,3,5-Trimethylbenzene	ND		0.0019		mg/Kg			12/06/12 23:49	1
1,3-Dichlorobenzene	ND		0.00096		mg/Kg			12/06/12 23:49	1
1,3-Dichloropropane	ND		0.00096		mg/Kg			12/06/12 23:49	1
1,4-Dichlorobenzene	ND		0.00096		mg/Kg			12/06/12 23:49	1
2,2-Dichloropropane	ND		0.00096		mg/Kg			12/06/12 23:49	1
2-Chlorotoluene	ND		0.0019		mg/Kg			12/06/12 23:49	1
4-Chlorotoluene	ND		0.0019		mg/Kg			12/06/12 23:49	1
Benzene	ND		0.00096		mg/Kg			12/06/12 23:49	1
Bromobenzene	ND		0.0019		mg/Kg			12/06/12 23:49	1
Bromochloromethane	ND		0.0019		mg/Kg			12/06/12 23:49	1
Bromodichloromethane	ND		0.00096		mg/Kg			12/06/12 23:49	1
Bromoform	ND		0.0019		mg/Kg			12/06/12 23:49	1
Bromomethane	ND		0.0019		mg/Kg			12/06/12 23:49	1
Carbon tetrachloride	ND		0.0019		mg/Kg			12/06/12 23:49	1
Chlorobenzene	ND		0.00096		mg/Kg			12/06/12 23:49	1
Chloroethane	ND		0.0019		mg/Kg			12/06/12 23:49	1
Chloroform	ND		0.00096		mg/Kg			12/06/12 23:49	1
Chloromethane	ND		0.0019		mg/Kg			12/06/12 23:49	1
cis-1,2-Dichloroethene	ND		0.00096		mg/Kg			12/06/12 23:49	1
cis-1,3-Dichloropropene	ND		0.00096		mg/Kg			12/06/12 23:49	1
Dibromochloromethane	ND		0.00096		mg/Kg			12/06/12 23:49	1
Dibromomethane	ND		0.00096		mg/Kg			12/06/12 23:49	1
Dichlorodifluoromethane	ND		0.0019		mg/Kg			12/06/12 23:49	1
Ethanol	ND		0.19		mg/Kg			12/06/12 23:49	1
Isopropyl Ether (DIPE)	ND		0.0019		mg/Kg			12/06/12 23:49	1
Ethyl-t-butyl ether (ETBE)	ND		0.0019		mg/Kg			12/06/12 23:49	1
Ethylbenzene	ND		0.00096		mg/Kg			12/06/12 23:49	1
Hexachlorobutadiene	ND		0.0019		mg/Kg			12/06/12 23:49	1
Isopropylbenzene	ND		0.00096		mg/Kg			12/06/12 23:49	1
m,p-Xylene	ND		0.0019		mg/Kg			12/06/12 23:49	1
Methylene Chloride	ND		0.0096		mg/Kg			12/06/12 23:49	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0019		mg/Kg			12/06/12 23:49	1
Naphthalene	ND		0.0019		mg/Kg			12/06/12 23:49	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB7-SS-20'

Date Collected: 12/03/12 12:55
Date Received: 12/03/12 18:25

Lab Sample ID: 440-31357-21

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 23:49	1
N-Propylbenzene	ND		0.00096	mg/Kg			12/06/12 23:49	1
o-Xylene	ND		0.00096	mg/Kg			12/06/12 23:49	1
p-Isopropyltoluene	ND		0.00096	mg/Kg			12/06/12 23:49	1
sec-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 23:49	1
Styrene	ND		0.00096	mg/Kg			12/06/12 23:49	1
Tert-amyl-methyl ether (TAME)	ND		0.0019	mg/Kg			12/06/12 23:49	1
tert-Butylbenzene	ND		0.0019	mg/Kg			12/06/12 23:49	1
Tetrachloroethene	**0.0014**		0.00096	mg/Kg			12/06/12 23:49	1
Toluene	ND		0.00096	mg/Kg			12/06/12 23:49	1
trans-1,2-Dichloroethene	ND		0.00096	mg/Kg			12/06/12 23:49	1
trans-1,3-Dichloropropene	ND		0.00096	mg/Kg			12/06/12 23:49	1
Trichloroethene	ND		0.00096	mg/Kg			12/06/12 23:49	1
Trichlorofluoromethane	ND		0.0019	mg/Kg			12/06/12 23:49	1
Xylenes, Total	ND		0.0019	mg/Kg			12/06/12 23:49	1
Vinyl chloride	ND		0.0019	mg/Kg			12/06/12 23:49	1
tert-Butyl alcohol (TBA)	ND		0.048	mg/Kg			12/06/12 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*12/06/12 23:49*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 125*		*12/06/12 23:49*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*12/06/12 23:49*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C4-C6	ND		0.38	mg/Kg			12/05/12 23:29	1
C6-C7	ND		0.38	mg/Kg			12/05/12 23:29	1
C7-C8	ND		0.38	mg/Kg			12/05/12 23:29	1
C8-C9	ND		0.38	mg/Kg			12/05/12 23:29	1
C9-C10	ND		0.38	mg/Kg			12/05/12 23:29	1
C10-C11	ND		0.38	mg/Kg			12/05/12 23:29	1
C11-C12	ND		0.38	mg/Kg			12/05/12 23:29	1
C12-C13	ND		0.38	mg/Kg			12/05/12 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*65 - 140*		*12/05/12 23:29*	*1*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
HC Dist (C13-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C13-C14)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C15-C16)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C17-C18)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C19-C20)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C21-C22)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C23-C24)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C25-C26)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C27-C28)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C29-C30)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C31-C32)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB7-SS-20'

Lab Sample ID: 440-31357-21

Date Collected: 12/03/12 12:55

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
EFH (C33-C34)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C35-C36)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C37-C38)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C39-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*88*		*40 - 140*	*12/05/12 08:57*	*12/05/12 17:00*	*1*

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB6-SS-5'
Date Collected: 12/03/12 13:20
Date Received: 12/03/12 18:25

Lab Sample ID: 440-31357-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/07/12 00:20	1
1,1,1-Trichloroethane	ND		0.00098		mg/Kg			12/07/12 00:20	1
1,1,2,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/07/12 00:20	1
1,1,2-Trichloroethane	ND		0.00098		mg/Kg			12/07/12 00:20	1
1,1-Dichloroethane	ND		0.00098		mg/Kg			12/07/12 00:20	1
1,1-Dichloroethene	ND		0.0020		mg/Kg			12/07/12 00:20	1
1,1-Dichloropropene	ND		0.00098		mg/Kg			12/07/12 00:20	1
1,2,3-Trichlorobenzene	ND		0.00098		mg/Kg			12/07/12 00:20	1
1,2,3-Trichloropropane	ND		0.0098		mg/Kg			12/07/12 00:20	1
1,2,4-Trichlorobenzene	ND		0.0049		mg/Kg			12/07/12 00:20	1
1,2,4-Trimethylbenzene	ND		0.0020		mg/Kg			12/07/12 00:20	1
1,2-Dibromo-3-Chloropropane	ND		0.0049		mg/Kg			12/07/12 00:20	1
1,2-Dibromoethane (EDB)	ND		0.00098		mg/Kg			12/07/12 00:20	1
1,2-Dichlorobenzene	ND		0.00098		mg/Kg			12/07/12 00:20	1
1,2-Dichloroethane	ND		0.00098		mg/Kg			12/07/12 00:20	1
1,2-Dichloropropane	ND		0.00098		mg/Kg			12/07/12 00:20	1
1,3,5-Trimethylbenzene	ND		0.0020		mg/Kg			12/07/12 00:20	1
1,3-Dichlorobenzene	ND		0.00098		mg/Kg			12/07/12 00:20	1
1,3-Dichloropropane	ND		0.00098		mg/Kg			12/07/12 00:20	1
1,4-Dichlorobenzene	ND		0.00098		mg/Kg			12/07/12 00:20	1
2,2-Dichloropropane	ND		0.00098		mg/Kg			12/07/12 00:20	1
2-Chlorotoluene	ND		0.0020		mg/Kg			12/07/12 00:20	1
4-Chlorotoluene	ND		0.0020		mg/Kg			12/07/12 00:20	1
Benzene	ND		0.00098		mg/Kg			12/07/12 00:20	1
Bromobenzene	ND		0.0020		mg/Kg			12/07/12 00:20	1
Bromochloromethane	ND		0.0020		mg/Kg			12/07/12 00:20	1
Bromodichloromethane	ND		0.00098		mg/Kg			12/07/12 00:20	1
Bromoform	ND		0.0020		mg/Kg			12/07/12 00:20	1
Bromomethane	ND		0.0020		mg/Kg			12/07/12 00:20	1
Carbon tetrachloride	ND		0.0020		mg/Kg			12/07/12 00:20	1
Chlorobenzene	ND		0.00098		mg/Kg			12/07/12 00:20	1
Chloroethane	ND		0.0020		mg/Kg			12/07/12 00:20	1
Chloroform	ND		0.00098		mg/Kg			12/07/12 00:20	1
Chloromethane	ND		0.0020		mg/Kg			12/07/12 00:20	1
cis-1,2-Dichloroethene	ND		0.00098		mg/Kg			12/07/12 00:20	1
cis-1,3-Dichloropropene	ND		0.00098		mg/Kg			12/07/12 00:20	1
Dibromochloromethane	ND		0.00098		mg/Kg			12/07/12 00:20	1
Dibromomethane	ND		0.00098		mg/Kg			12/07/12 00:20	1
Dichlorodifluoromethane	ND		0.0020		mg/Kg			12/07/12 00:20	1
Ethanol	ND		0.20		mg/Kg			12/07/12 00:20	1
Isopropyl Ether (DIPE)	ND		0.0020		mg/Kg			12/07/12 00:20	1
Ethyl-t-butyl ether (ETBE)	ND		0.0020		mg/Kg			12/07/12 00:20	1
Ethylbenzene	ND		0.00098		mg/Kg			12/07/12 00:20	1
Hexachlorobutadiene	ND		0.0020		mg/Kg			12/07/12 00:20	1
Isopropylbenzene	ND		0.00098		mg/Kg			12/07/12 00:20	1
m,p-Xylene	ND		0.0020		mg/Kg			12/07/12 00:20	1
Methylene Chloride	ND		0.0098		mg/Kg			12/07/12 00:20	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			12/07/12 00:20	1
Naphthalene	ND		0.0020		mg/Kg			12/07/12 00:20	1

Client Sample ID: SB6-SS-5'

Lab Sample ID: 440-31357-22

Date Collected: 12/03/12 13:20

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0020	mg/Kg			12/07/12 00:20	1
N-Propylbenzene	ND		0.00098	mg/Kg			12/07/12 00:20	1
o-Xylene	ND		0.00098	mg/Kg			12/07/12 00:20	1
p-Isopropyltoluene	ND		0.00098	mg/Kg			12/07/12 00:20	1
sec-Butylbenzene	ND		0.0020	mg/Kg			12/07/12 00:20	1
Styrene	ND		0.00098	mg/Kg			12/07/12 00:20	1
Tert-amyl-methyl ether (TAME)	ND		0.0020	mg/Kg			12/07/12 00:20	1
tert-Butylbenzene	ND		0.0020	mg/Kg			12/07/12 00:20	1
Tetrachloroethene	ND		0.00098	mg/Kg			12/07/12 00:20	1
Toluene	ND		0.00098	mg/Kg			12/07/12 00:20	1
trans-1,2-Dichloroethene	ND		0.00098	mg/Kg			12/07/12 00:20	1
trans-1,3-Dichloropropene	ND		0.00098	mg/Kg			12/07/12 00:20	1
Trichloroethene	ND		0.00098	mg/Kg			12/07/12 00:20	1
Trichlorofluoromethane	ND		0.0020	mg/Kg			12/07/12 00:20	1
Xylenes, Total	ND		0.0020	mg/Kg			12/07/12 00:20	1
Vinyl chloride	ND		0.0020	mg/Kg			12/07/12 00:20	1
tert-Butyl alcohol (TBA)	ND		0.049	mg/Kg			12/07/12 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*12/07/12 00:20*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 125*		*12/07/12 00:20*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/07/12 00:20*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C4-C6	ND		0.38	mg/Kg			12/05/12 23:57	1
C6-C7	ND		0.38	mg/Kg			12/05/12 23:57	1
C7-C8	ND		0.38	mg/Kg			12/05/12 23:57	1
C8-C9	ND		0.38	mg/Kg			12/05/12 23:57	1
C9-C10	ND		0.38	mg/Kg			12/05/12 23:57	1
C10-C11	ND		0.38	mg/Kg			12/05/12 23:57	1
C11-C12	ND		0.38	mg/Kg			12/05/12 23:57	1
C12-C13	ND		0.38	mg/Kg			12/05/12 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*65 - 140*		*12/05/12 23:57*	*1*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
HC Dist (C13-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C13-C14)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C15-C16)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C17-C18)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C19-C20)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C21-C22)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C23-C24)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C25-C26)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C27-C28)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C29-C30)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C31-C32)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 17:00	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB6-SS-5'

Lab Sample ID: 440-31357-22

Date Collected: 12/03/12 13:20

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
EFH (C33-C34)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C35-C36)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C37-C38)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 17:00	1
EFH (C39-C40)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*73*		*40 - 140*	*12/05/12 08:57*	*12/05/12 17:00*	*1*

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB5-SS-5'
Date Collected: 12/03/12 13:45
Date Received: 12/03/12 18:25

Lab Sample ID: 440-31357-24
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/07/12 00:51	1
1,1,1-Trichloroethane	ND		0.00099		mg/Kg			12/07/12 00:51	1
1,1,2,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/07/12 00:51	1
1,1,2-Trichloroethane	ND		0.00099		mg/Kg			12/07/12 00:51	1
1,1-Dichloroethane	ND		0.00099		mg/Kg			12/07/12 00:51	1
1,1-Dichloroethene	ND		0.0020		mg/Kg			12/07/12 00:51	1
1,1-Dichloropropene	ND		0.00099		mg/Kg			12/07/12 00:51	1
1,2,3-Trichlorobenzene	ND		0.00099		mg/Kg			12/07/12 00:51	1
1,2,3-Trichloropropane	ND		0.0099		mg/Kg			12/07/12 00:51	1
1,2,4-Trichlorobenzene	ND		0.0050		mg/Kg			12/07/12 00:51	1
1,2,4-Trimethylbenzene	ND		0.0020		mg/Kg			12/07/12 00:51	1
1,2-Dibromo-3-Chloropropane	ND		0.0050		mg/Kg			12/07/12 00:51	1
1,2-Dibromoethane (EDB)	ND		0.00099		mg/Kg			12/07/12 00:51	1
1,2-Dichlorobenzene	ND		0.00099		mg/Kg			12/07/12 00:51	1
1,2-Dichloroethane	ND		0.00099		mg/Kg			12/07/12 00:51	1
1,2-Dichloropropane	ND		0.00099		mg/Kg			12/07/12 00:51	1
1,3,5-Trimethylbenzene	ND		0.0020		mg/Kg			12/07/12 00:51	1
1,3-Dichlorobenzene	ND		0.00099		mg/Kg			12/07/12 00:51	1
1,3-Dichloropropane	ND		0.00099		mg/Kg			12/07/12 00:51	1
1,4-Dichlorobenzene	ND		0.00099		mg/Kg			12/07/12 00:51	1
2,2-Dichloropropane	ND		0.00099		mg/Kg			12/07/12 00:51	1
2-Chlorotoluene	ND		0.0020		mg/Kg			12/07/12 00:51	1
4-Chlorotoluene	ND		0.0020		mg/Kg			12/07/12 00:51	1
Benzene	ND		0.00099		mg/Kg			12/07/12 00:51	1
Bromobenzene	ND		0.0020		mg/Kg			12/07/12 00:51	1
Bromochloromethane	ND		0.0020		mg/Kg			12/07/12 00:51	1
Bromodichloromethane	ND		0.00099		mg/Kg			12/07/12 00:51	1
Bromoform	ND		0.0020		mg/Kg			12/07/12 00:51	1
Bromomethane	ND		0.0020		mg/Kg			12/07/12 00:51	1
Carbon tetrachloride	ND		0.0020		mg/Kg			12/07/12 00:51	1
Chlorobenzene	ND		0.00099		mg/Kg			12/07/12 00:51	1
Chloroethane	ND		0.0020		mg/Kg			12/07/12 00:51	1
Chloroform	ND		0.00099		mg/Kg			12/07/12 00:51	1
Chloromethane	ND		0.0020		mg/Kg			12/07/12 00:51	1
cis-1,2-Dichloroethene	ND		0.00099		mg/Kg			12/07/12 00:51	1
cis-1,3-Dichloropropene	ND		0.00099		mg/Kg			12/07/12 00:51	1
Dibromochloromethane	ND		0.00099		mg/Kg			12/07/12 00:51	1
Dibromomethane	ND		0.00099		mg/Kg			12/07/12 00:51	1
Dichlorodifluoromethane	ND		0.0020		mg/Kg			12/07/12 00:51	1
Ethanol	ND		0.20		mg/Kg			12/07/12 00:51	1
Isopropyl Ether (DIPE)	ND		0.0020		mg/Kg			12/07/12 00:51	1
Ethyl-t-butyl ether (ETBE)	ND		0.0020		mg/Kg			12/07/12 00:51	1
Ethylbenzene	ND		0.00099		mg/Kg			12/07/12 00:51	1
Hexachlorobutadiene	ND		0.0020		mg/Kg			12/07/12 00:51	1
Isopropylbenzene	ND		0.00099		mg/Kg			12/07/12 00:51	1
m,p-Xylene	ND		0.0020		mg/Kg			12/07/12 00:51	1
Methylene Chloride	ND		0.0099		mg/Kg			12/07/12 00:51	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			12/07/12 00:51	1
Naphthalene	ND		0.0020		mg/Kg			12/07/12 00:51	1

Client Sample ID: SB5-SS-5'

Lab Sample ID: 440-31357-24

Date Collected: 12/03/12 13:45

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0020	mg/Kg			12/07/12 00:51	1
N-Propylbenzene	ND		0.00099	mg/Kg			12/07/12 00:51	1
o-Xylene	ND		0.00099	mg/Kg			12/07/12 00:51	1
p-Isopropyltoluene	ND		0.00099	mg/Kg			12/07/12 00:51	1
sec-Butylbenzene	ND		0.0020	mg/Kg			12/07/12 00:51	1
Styrene	ND		0.00099	mg/Kg			12/07/12 00:51	1
Tert-amyl-methyl ether (TAME)	ND		0.0020	mg/Kg			12/07/12 00:51	1
tert-Butylbenzene	ND		0.0020	mg/Kg			12/07/12 00:51	1
Tetrachloroethene	ND		0.00099	mg/Kg			12/07/12 00:51	1
Toluene	ND		0.00099	mg/Kg			12/07/12 00:51	1
trans-1,2-Dichloroethene	ND		0.00099	mg/Kg			12/07/12 00:51	1
trans-1,3-Dichloropropene	ND		0.00099	mg/Kg			12/07/12 00:51	1
Trichloroethene	ND		0.00099	mg/Kg			12/07/12 00:51	1
Trichlorofluoromethane	ND		0.0020	mg/Kg			12/07/12 00:51	1
Xylenes, Total	ND		0.0020	mg/Kg			12/07/12 00:51	1
Vinyl chloride	ND		0.0020	mg/Kg			12/07/12 00:51	1
tert-Butyl alcohol (TBA)	ND		0.050	mg/Kg			12/07/12 00:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*12/07/12 00:51*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 125*		*12/07/12 00:51*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/07/12 00:51*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C4-C6	ND		0.38	mg/Kg			12/06/12 00:25	1
C6-C7	ND		0.38	mg/Kg			12/06/12 00:25	1
C7-C8	ND		0.38	mg/Kg			12/06/12 00:25	1
C8-C9	ND		0.38	mg/Kg			12/06/12 00:25	1
C9-C10	ND		0.38	mg/Kg			12/06/12 00:25	1
C10-C11	ND		0.38	mg/Kg			12/06/12 00:25	1
C11-C12	ND		0.38	mg/Kg			12/06/12 00:25	1
C12-C13	ND		0.38	mg/Kg			12/06/12 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*65 - 140*		*12/06/12 00:25*	*1*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
HC Dist (C13-C40)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C13-C14)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C15-C16)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C17-C18)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C19-C20)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C21-C22)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C23-C24)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C25-C26)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C27-C28)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C29-C30)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C31-C32)	ND		5.0	mg/Kg		12/05/12 08:57	12/05/12 16:15	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB5-SS-5'

Lab Sample ID: 440-31357-24

Date Collected: 12/03/12 13:45

Matrix: Solid

Date Received: 12/03/12 18:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
EFH (C33-C34)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C35-C36)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C37-C38)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 16:15	1
EFH (C39-C40)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*73*		*40 - 140*	*12/05/12 08:57*	*12/05/12 16:15*	*1*

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB1-SS-5'

Lab Sample ID: 440-31357-1
Date Collected: 12/03/12 07:55
Matrix: Solid
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 g	10 mL	71750	12/06/12 20:21	RM	TAL IRV

Client Sample ID: SB2-SS-5'

Lab Sample ID: 440-31357-3
Date Collected: 12/03/12 08:15
Matrix: Solid
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.06 g	10 mL	71750	12/06/12 21:49	RM	TAL IRV
Total/NA	Analysis	8015B		1	5.27 g	10 mL	71296	12/05/12 18:19	IM	TAL IRV
Total/NA	Prep	CA LUFT			30.08 g	1 mL	71286	12/05/12 08:57		TAL IRV
Total/NA	Analysis	8015B		1			71334	12/05/12 16:38	NK	TAL IRV

Client Sample ID: SB2-SS-10'

Lab Sample ID: 440-31357-4
Date Collected: 12/03/12 08:20
Matrix: Solid
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.16 g	10 mL	71750	12/06/12 22:47	RM	TAL IRV
Total/NA	Analysis	8015B		1	5.26 g	10 mL	71296	12/05/12 18:47	IM	TAL IRV
Total/NA	Prep	CA LUFT			30.06 g	1 mL	71286	12/05/12 08:57		TAL IRV
Total/NA	Analysis	8015B		1			71335	12/05/12 15:53	NK	TAL IRV

Client Sample ID: SB9-SS-10'

Lab Sample ID: 440-31357-7
Date Collected: 12/03/12 09:25
Matrix: Solid
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.15 g	10 mL	71750	12/06/12 23:17	RM	TAL IRV
Total/NA	Analysis	8015B		1	5.31 g	10 mL	71296	12/05/12 19:15	IM	TAL IRV
Total/NA	Prep	CA LUFT			30.07 g	1 mL	71286	12/05/12 08:57		TAL IRV
Total/NA	Analysis	8015B		1			71335	12/05/12 14:23	NK	TAL IRV

Client Sample ID: SB9-SS-20'

Lab Sample ID: 440-31357-9
Date Collected: 12/03/12 09:35
Matrix: Solid
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.15 g	10 mL	71750	12/06/12 23:46	RM	TAL IRV
Total/NA	Analysis	8015B		1	5.36 g	10 mL	71296	12/05/12 19:44	IM	TAL IRV
Total/NA	Prep	CA LUFT			30.02 g	1 mL	71286	12/05/12 08:57		TAL IRV
Total/NA	Analysis	8015B		1			71335	12/05/12 15:08	NK	TAL IRV

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB8-SS-10'

Lab Sample ID: 440-31357-11
Date Collected: 12/03/12 10:10
Matrix: Solid
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.29 g	10 mL	71750	12/07/12 00:15	RM	TAL IRV
Total/NA	Analysis	8015B		1	5.33 g	10 mL	71296	12/05/12 20:12	IM	TAL IRV
Total/NA	Prep	CA LUFT			30.01 g	1 mL	71286	12/05/12 08:57		TAL IRV
Total/NA	Analysis	8015B		1			71334	12/05/12 16:15	NK	TAL IRV

Client Sample ID: SB8-SS-20'

Lab Sample ID: 440-31357-13
Date Collected: 12/03/12 10:20
Matrix: Solid
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.04 g	10 mL	71750	12/07/12 00:45	RM	TAL IRV
Total/NA	Analysis	8015B		1	5.13 g	10 mL	71296	12/05/12 20:40	IM	TAL IRV
Total/NA	Prep	CA LUFT			30.01 g	1 mL	71286	12/05/12 08:57		TAL IRV
Total/NA	Analysis	8015B		1			71334	12/05/12 15:53	NK	TAL IRV

Client Sample ID: SB3-SS-5'

Lab Sample ID: 440-31357-14
Date Collected: 12/03/12 10:45
Matrix: Solid
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.1 g	10 mL	71748	12/06/12 21:16	RM	TAL IRV
Total/NA	Analysis	8015B		1	5.42 g	10 mL	71296	12/05/12 22:04	IM	TAL IRV
Total/NA	Prep	CA LUFT			30.03 g	1 mL	71286	12/05/12 08:57		TAL IRV
Total/NA	Analysis	8015B		1			71335	12/05/12 14:01	NK	TAL IRV

Client Sample ID: SB4-SS-5'

Lab Sample ID: 440-31357-16
Date Collected: 12/03/12 11:55
Matrix: Solid
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.25 g	10 mL	71748	12/06/12 22:48	RM	TAL IRV
Total/NA	Analysis	8015B		1	5.41 g	10 mL	71296	12/05/12 22:33	IM	TAL IRV
Total/NA	Prep	CA LUFT			30.08 g	1 mL	71286	12/05/12 08:57		TAL IRV
Total/NA	Analysis	8015B		1			71335	12/05/12 15:30	NK	TAL IRV

Client Sample ID: SB7-SS-10'

Lab Sample ID: 440-31357-19
Date Collected: 12/03/12 12:45
Matrix: Solid
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.08 g	10 mL	71748	12/06/12 23:19	RM	TAL IRV
Total/NA	Analysis	8015B		1	5.21 g	10 mL	71296	12/05/12 23:01	IM	TAL IRV

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

Client Sample ID: SB7-SS-10'

Lab Sample ID: 440-31357-19

Date Collected: 12/03/12 12:45
Matrix: Solid
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	CA LUFT			30.08 g	1 mL	71286	12/05/12 08:57		TAL IRV
Total/NA	Analysis	8015B		1			71335	12/05/12 14:45	NK	TAL IRV

Client Sample ID: SB7-SS-20'

Lab Sample ID: 440-31357-21

Date Collected: 12/03/12 12:55
Matrix: Solid
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.23 g	10 mL	71748	12/06/12 23:49	RM	TAL IRV
Total/NA	Analysis	8015B		1	5.31 g	10 mL	71296	12/05/12 23:29	IM	TAL IRV
Total/NA	Prep	CA LUFT			30.02 g	1 mL	71286	12/05/12 08:57		TAL IRV
Total/NA	Analysis	8015B		1			71335	12/05/12 17:00	NK	TAL IRV

Client Sample ID: SB6-SS-5'

Lab Sample ID: 440-31357-22

Date Collected: 12/03/12 13:20
Matrix: Solid
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.08 g	10 mL	71748	12/07/12 00:20	RM	TAL IRV
Total/NA	Analysis	8015B		1	5.33 g	10 mL	71296	12/05/12 23:57	IM	TAL IRV
Total/NA	Prep	CA LUFT			30.09 g	1 mL	71286	12/05/12 08:57		TAL IRV
Total/NA	Analysis	8015B		1			71334	12/05/12 17:00	NK	TAL IRV

Client Sample ID: SB5-SS-5'

Lab Sample ID: 440-31357-24

Date Collected: 12/03/12 13:45
Matrix: Solid
Date Received: 12/03/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.03 g	10 mL	71748	12/07/12 00:51	RM	TAL IRV
Total/NA	Analysis	8015B		1	5.31 g	10 mL	71296	12/06/12 00:25	IM	TAL IRV
Total/NA	Prep	CA LUFT			30.01 g	1 mL	71286	12/05/12 08:57		TAL IRV
Total/NA	Analysis	8015B		1			71335	12/05/12 16:15	NK	TAL IRV

Laboratory References:

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

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

Lab Sample ID: MB 440-71748/4
Matrix: Solid
Analysis Batch: 71748

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/06/12 19:44	1
1,1,1-Trichloroethane	ND		0.0010		mg/Kg			12/06/12 19:44	1
1,1,2,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/06/12 19:44	1
1,1,2-Trichloroethane	ND		0.0010		mg/Kg			12/06/12 19:44	1
1,1-Dichloroethane	ND		0.0010		mg/Kg			12/06/12 19:44	1
1,1-Dichloroethene	ND		0.0020		mg/Kg			12/06/12 19:44	1
1,1-Dichloropropene	ND		0.0010		mg/Kg			12/06/12 19:44	1
1,2,3-Trichlorobenzene	ND		0.0010		mg/Kg			12/06/12 19:44	1
1,2,3-Trichloropropane	ND		0.010		mg/Kg			12/06/12 19:44	1
1,2,4-Trichlorobenzene	ND		0.0050		mg/Kg			12/06/12 19:44	1
1,2,4-Trimethylbenzene	ND		0.0020		mg/Kg			12/06/12 19:44	1
1,2-Dibromo-3-Chloropropane	ND		0.0050		mg/Kg			12/06/12 19:44	1
1,2-Dibromoethane (EDB)	ND		0.0010		mg/Kg			12/06/12 19:44	1
1,2-Dichlorobenzene	ND		0.0010		mg/Kg			12/06/12 19:44	1
1,2-Dichloroethane	ND		0.0010		mg/Kg			12/06/12 19:44	1
1,2-Dichloropropane	ND		0.0010		mg/Kg			12/06/12 19:44	1
1,3,5-Trimethylbenzene	ND		0.0020		mg/Kg			12/06/12 19:44	1
1,3-Dichlorobenzene	ND		0.0010		mg/Kg			12/06/12 19:44	1
1,3-Dichloropropane	ND		0.0010		mg/Kg			12/06/12 19:44	1
1,4-Dichlorobenzene	ND		0.0010		mg/Kg			12/06/12 19:44	1
2,2-Dichloropropane	ND		0.0010		mg/Kg			12/06/12 19:44	1
2-Chlorotoluene	ND		0.0020		mg/Kg			12/06/12 19:44	1
4-Chlorotoluene	ND		0.0020		mg/Kg			12/06/12 19:44	1
Benzene	ND		0.0010		mg/Kg			12/06/12 19:44	1
Bromobenzene	ND		0.0020		mg/Kg			12/06/12 19:44	1
Bromochloromethane	ND		0.0020		mg/Kg			12/06/12 19:44	1
Bromodichloromethane	ND		0.0010		mg/Kg			12/06/12 19:44	1
Bromoform	ND		0.0020		mg/Kg			12/06/12 19:44	1
Bromomethane	ND		0.0020		mg/Kg			12/06/12 19:44	1
Carbon tetrachloride	ND		0.0020		mg/Kg			12/06/12 19:44	1
Chlorobenzene	ND		0.0010		mg/Kg			12/06/12 19:44	1
Chloroethane	ND		0.0020		mg/Kg			12/06/12 19:44	1
Chloroform	ND		0.0010		mg/Kg			12/06/12 19:44	1
Chloromethane	ND		0.0020		mg/Kg			12/06/12 19:44	1
cis-1,2-Dichloroethene	ND		0.0010		mg/Kg			12/06/12 19:44	1
cis-1,3-Dichloropropene	ND		0.0010		mg/Kg			12/06/12 19:44	1
Dibromochloromethane	ND		0.0010		mg/Kg			12/06/12 19:44	1
Dibromomethane	ND		0.0010		mg/Kg			12/06/12 19:44	1
Dichlorodifluoromethane	ND		0.0020		mg/Kg			12/06/12 19:44	1
Ethanol	ND		0.20		mg/Kg			12/06/12 19:44	1
Isopropyl Ether (DIPE)	ND		0.0020		mg/Kg			12/06/12 19:44	1
Ethyl-t-butyl ether (ETBE)	ND		0.0020		mg/Kg			12/06/12 19:44	1
Ethylbenzene	ND		0.0010		mg/Kg			12/06/12 19:44	1
Hexachlorobutadiene	ND		0.0020		mg/Kg			12/06/12 19:44	1
Isopropylbenzene	ND		0.0010		mg/Kg			12/06/12 19:44	1
m,p-Xylene	ND		0.0020		mg/Kg			12/06/12 19:44	1
Methylene Chloride	ND		0.010		mg/Kg			12/06/12 19:44	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			12/06/12 19:44	1

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

Lab Sample ID: MB 440-71748/4
Matrix: Solid
Analysis Batch: 71748

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0020	mg/Kg			12/06/12 19:44	1
n-Butylbenzene	ND		0.0020	mg/Kg			12/06/12 19:44	1
N-Propylbenzene	ND		0.0010	mg/Kg			12/06/12 19:44	1
o-Xylene	ND		0.0010	mg/Kg			12/06/12 19:44	1
p-Isopropyltoluene	ND		0.0010	mg/Kg			12/06/12 19:44	1
sec-Butylbenzene	ND		0.0020	mg/Kg			12/06/12 19:44	1
Styrene	ND		0.0010	mg/Kg			12/06/12 19:44	1
Tert-amyl-methyl ether (TAME)	ND		0.0020	mg/Kg			12/06/12 19:44	1
tert-Butylbenzene	ND		0.0020	mg/Kg			12/06/12 19:44	1
Tetrachloroethene	ND		0.0010	mg/Kg			12/06/12 19:44	1
Toluene	ND		0.0010	mg/Kg			12/06/12 19:44	1
trans-1,2-Dichloroethene	ND		0.0010	mg/Kg			12/06/12 19:44	1
trans-1,3-Dichloropropene	ND		0.0010	mg/Kg			12/06/12 19:44	1
Trichloroethene	ND		0.0010	mg/Kg			12/06/12 19:44	1
Trichlorofluoromethane	ND		0.0020	mg/Kg			12/06/12 19:44	1
Xylenes, Total	ND		0.0020	mg/Kg			12/06/12 19:44	1
Vinyl chloride	ND		0.0020	mg/Kg			12/06/12 19:44	1
tert-Butyl alcohol (TBA)	ND		0.050	mg/Kg			12/06/12 19:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*12/06/12 19:44*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 125*		*12/06/12 19:44*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*12/06/12 19:44*	*1*

Lab Sample ID: LCS 440-71748/5
Matrix: Solid
Analysis Batch: 71748

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0524		mg/Kg		105	70 - 130
1,1,1-Trichloroethane	0.0500	0.0427		mg/Kg		85	65 - 135
1,1,2,2-Tetrachloroethane	0.0500	0.0522		mg/Kg		104	55 - 140
1,1,2-Trichloroethane	0.0500	0.0503		mg/Kg		101	65 - 135
1,1-Dichloroethane	0.0500	0.0440		mg/Kg		88	70 - 130
1,1-Dichloroethene	0.0500	0.0445		mg/Kg		89	70 - 125
1,1-Dichloropropene	0.0500	0.0422		mg/Kg		84	70 - 130
1,2,3-Trichlorobenzene	0.0500	0.0430		mg/Kg		86	60 - 130
1,2,3-Trichloropropane	0.0500	0.0481		mg/Kg		96	60 - 135
1,2,4-Trichlorobenzene	0.0500	0.0468		mg/Kg		94	70 - 135
1,2,4-Trimethylbenzene	0.0500	0.0475		mg/Kg		95	70 - 125
1,2-Dibromo-3-Chloropropane	0.0500	0.0376		mg/Kg		75	50 - 135
1,2-Dibromoethane (EDB)	0.0500	0.0510		mg/Kg		102	70 - 130
1,2-Dichlorobenzene	0.0500	0.0491		mg/Kg		98	75 - 120
1,2-Dichloroethane	0.0500	0.0427		mg/Kg		85	60 - 140
1,2-Dichloropropane	0.0500	0.0501		mg/Kg		100	70 - 130
1,3,5-Trimethylbenzene	0.0500	0.0473		mg/Kg		95	70 - 125
1,3-Dichlorobenzene	0.0500	0.0493		mg/Kg		99	75 - 125
1,3-Dichloropropane	0.0500	0.0511		mg/Kg		102	70 - 125

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

Lab Sample ID: LCS 440-71748/5
Matrix: Solid
Analysis Batch: 71748

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0500	0.0478		mg/Kg		96	75 - 120
2,2-Dichloropropane	0.0500	0.0421		mg/Kg		84	60 - 145
2-Chlorotoluene	0.0500	0.0472		mg/Kg		94	70 - 125
4-Chlorotoluene	0.0500	0.0468		mg/Kg		94	75 - 125
Benzene	0.0500	0.0478		mg/Kg		96	65 - 120
Bromobenzene	0.0500	0.0499		mg/Kg		100	75 - 120
Bromochloromethane	0.0500	0.0506		mg/Kg		101	70 - 135
Bromodichloromethane	0.0500	0.0495		mg/Kg		99	70 - 135
Bromoform	0.0500	0.0470		mg/Kg		94	55 - 135
Bromomethane	0.0500	0.0534		mg/Kg		107	60 - 145
Carbon tetrachloride	0.0500	0.0477		mg/Kg		95	65 - 140
Chlorobenzene	0.0500	0.0497		mg/Kg		99	75 - 120
Chloroethane	0.0500	0.0518		mg/Kg		104	60 - 140
Chloroform	0.0500	0.0429		mg/Kg		86	70 - 130
Chloromethane	0.0500	0.0368		mg/Kg		74	45 - 145
cis-1,2-Dichloroethene	0.0500	0.0502		mg/Kg		100	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0511		mg/Kg		102	75 - 125
Dibromochloromethane	0.0500	0.0567		mg/Kg		113	65 - 140
Dibromomethane	0.0500	0.0491		mg/Kg		98	70 - 130
Dichlorodifluoromethane	0.0500	0.0269		mg/Kg		54	35 - 160
Ethanol	0.500	0.617		mg/Kg		123	35 - 160
Isopropyl Ether (DIPE)	0.0500	0.0441		mg/Kg		88	60 - 140
Ethyl-t-butyl ether (ETBE)	0.0500	0.0425		mg/Kg		85	60 - 140
Ethylbenzene	0.0500	0.0474		mg/Kg		95	70 - 125
Hexachlorobutadiene	0.0500	0.0406		mg/Kg		81	60 - 135
Isopropylbenzene	0.0500	0.0468		mg/Kg		94	75 - 130
m,p-Xylene	0.100	0.0958		mg/Kg		96	70 - 125
Methylene Chloride	0.0500	0.0465		mg/Kg		93	55 - 135
Methyl-t-Butyl Ether (MTBE)	0.0500	0.0453		mg/Kg		91	60 - 140
Naphthalene	0.0500	0.0446		mg/Kg		89	55 - 135
n-Butylbenzene	0.0500	0.0451		mg/Kg		90	70 - 130
N-Propylbenzene	0.0500	0.0473		mg/Kg		95	70 - 130
o-Xylene	0.0500	0.0483		mg/Kg		97	70 - 125
p-Isopropyltoluene	0.0500	0.0463		mg/Kg		93	75 - 125
sec-Butylbenzene	0.0500	0.0462		mg/Kg		92	70 - 125
Styrene	0.0500	0.0482		mg/Kg		96	75 - 130
Tert-amyl-methyl ether (TAME)	0.0500	0.0460		mg/Kg		92	60 - 145
tert-Butylbenzene	0.0500	0.0461		mg/Kg		92	70 - 125
Tetrachloroethene	0.0500	0.0487		mg/Kg		97	70 - 125
Toluene	0.0500	0.0490		mg/Kg		98	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0454		mg/Kg		91	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0521		mg/Kg		104	70 - 135
Trichloroethene	0.0500	0.0486		mg/Kg		97	70 - 125
Trichlorofluoromethane	0.0500	0.0416		mg/Kg		83	60 - 145
Vinyl chloride	0.0500	0.0360		mg/Kg		72	55 - 135
tert-Butyl alcohol (TBA)	0.250	0.243		mg/Kg		97	70 - 135

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

Lab Sample ID: LCS 440-71748/5
Matrix: Solid
Analysis Batch: 71748

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	100		80 - 125
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: 440-31357-14 MS
Matrix: Solid
Analysis Batch: 71748

Client Sample ID: SB3-SS-5'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		0.0484	0.0543		mg/Kg		112	65 - 145
1,1,1-Trichloroethane	ND		0.0484	0.0458		mg/Kg		95	65 - 145
1,1,2,2-Tetrachloroethane	ND		0.0484	0.0567		mg/Kg		117	40 - 160
1,1,2-Trichloroethane	ND		0.0484	0.0554		mg/Kg		114	65 - 140
1,1-Dichloroethane	ND		0.0484	0.0461		mg/Kg		95	65 - 135
1,1-Dichloroethene	ND		0.0484	0.0485		mg/Kg		100	65 - 135
1,1-Dichloropropene	ND		0.0484	0.0448		mg/Kg		92	65 - 135
1,2,3-Trichlorobenzene	ND		0.0484	0.0417		mg/Kg		86	45 - 145
1,2,3-Trichloropropane	ND		0.0484	0.0541		mg/Kg		112	50 - 150
1,2,4-Trichlorobenzene	ND		0.0484	0.0466		mg/Kg		96	50 - 140
1,2,4-Trimethylbenzene	0.0023		0.0484	0.0506		mg/Kg		100	65 - 140
1,2-Dibromo-3-Chloropropane	ND		0.0484	0.0427		mg/Kg		88	40 - 150
1,2-Dibromoethane (EDB)	ND		0.0484	0.0565		mg/Kg		117	65 - 140
1,2-Dichlorobenzene	ND		0.0484	0.0500		mg/Kg		103	70 - 130
1,2-Dichloroethane	ND		0.0484	0.0439		mg/Kg		91	60 - 150
1,2-Dichloropropane	ND		0.0484	0.0504		mg/Kg		104	65 - 130
1,3,5-Trimethylbenzene	ND		0.0484	0.0500		mg/Kg		101	65 - 135
1,3-Dichlorobenzene	ND		0.0484	0.0496		mg/Kg		102	70 - 130
1,3-Dichloropropane	ND		0.0484	0.0552		mg/Kg		114	65 - 140
1,4-Dichlorobenzene	ND		0.0484	0.0498		mg/Kg		103	70 - 130
2,2-Dichloropropane	ND		0.0484	0.0447		mg/Kg		92	65 - 150
2-Chlorotoluene	ND		0.0484	0.0482		mg/Kg		100	60 - 135
4-Chlorotoluene	ND		0.0484	0.0481		mg/Kg		99	65 - 135
Benzene	ND		0.0484	0.0481		mg/Kg		99	65 - 130
Bromobenzene	ND		0.0484	0.0500		mg/Kg		103	65 - 140
Bromochloromethane	ND		0.0484	0.0535		mg/Kg		110	65 - 145
Bromodichloromethane	ND		0.0484	0.0507		mg/Kg		105	65 - 145
Bromoform	ND		0.0484	0.0511		mg/Kg		105	50 - 145
Bromomethane	ND		0.0484	0.0555		mg/Kg		115	60 - 155
Carbon tetrachloride	ND		0.0484	0.0501		mg/Kg		103	60 - 145
Chlorobenzene	ND		0.0484	0.0515		mg/Kg		105	70 - 130
Chloroethane	ND		0.0484	0.0527		mg/Kg		109	60 - 150
Chloroform	ND		0.0484	0.0447		mg/Kg		92	65 - 135
Chloromethane	ND		0.0484	0.0379		mg/Kg		78	40 - 145
cis-1,2-Dichloroethene	ND		0.0484	0.0518		mg/Kg		107	65 - 135
cis-1,3-Dichloropropene	ND		0.0484	0.0530		mg/Kg		109	70 - 135
Dibromochloromethane	ND		0.0484	0.0601		mg/Kg		124	60 - 145
Dibromomethane	ND		0.0484	0.0525		mg/Kg		108	65 - 140
Dichlorodifluoromethane	ND		0.0484	0.0300		mg/Kg		62	30 - 160

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

Lab Sample ID: 440-31357-14 MS
Matrix: Solid
Analysis Batch: 71748

Client Sample ID: SB3-SS-5'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethanol	ND		0.484	0.579		mg/Kg		120	30 - 165
Isopropyl Ether (DIPE)	ND		0.0484	0.0461		mg/Kg		95	60 - 150
Ethyl-t-butyl ether (ETBE)	ND		0.0484	0.0451		mg/Kg		93	60 - 145
Ethylbenzene	ND		0.0484	0.0495		mg/Kg		102	70 - 135
Hexachlorobutadiene	ND		0.0484	0.0400		mg/Kg		83	50 - 145
Isopropylbenzene	ND		0.0484	0.0487		mg/Kg		101	70 - 145
m,p-Xylene	ND		0.0969	0.0990		mg/Kg		102	70 - 130
Methylene Chloride	ND		0.0484	0.0463		mg/Kg		95	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		0.0484	0.0492		mg/Kg		101	55 - 155
Naphthalene	ND		0.0484	0.0481		mg/Kg		99	40 - 150
n-Butylbenzene	ND		0.0484	0.0452		mg/Kg		93	55 - 145
N-Propylbenzene	ND		0.0484	0.0491		mg/Kg		101	65 - 140
o-Xylene	ND		0.0484	0.0504		mg/Kg		104	65 - 130
p-Isopropyltoluene	ND		0.0484	0.0473		mg/Kg		98	60 - 140
sec-Butylbenzene	ND		0.0484	0.0475		mg/Kg		98	60 - 135
Styrene	ND		0.0484	0.0492		mg/Kg		102	70 - 140
Tert-amyl-methyl ether (TAME)	ND		0.0484	0.0514		mg/Kg		106	60 - 150
tert-Butylbenzene	ND		0.0484	0.0470		mg/Kg		97	60 - 140
Tetrachloroethene	ND		0.0484	0.0522		mg/Kg		108	65 - 135
Toluene	ND		0.0484	0.0505		mg/Kg		104	70 - 130
trans-1,2-Dichloroethene	ND		0.0484	0.0463		mg/Kg		96	70 - 135
trans-1,3-Dichloropropene	ND		0.0484	0.0538		mg/Kg		111	60 - 145
Trichloroethene	ND		0.0484	0.0515		mg/Kg		106	65 - 140
Trichlorofluoromethane	ND		0.0484	0.0471		mg/Kg		97	55 - 155
Vinyl chloride	ND		0.0484	0.0379		mg/Kg		78	55 - 140
tert-Butyl alcohol (TBA)	ND		0.242	0.248		mg/Kg		102	65 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 125*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 440-31357-14 MSD
Matrix: Solid
Analysis Batch: 71748

Client Sample ID: SB3-SS-5'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		0.0494	0.0565		mg/Kg		114	65 - 145	4	20
1,1,1-Trichloroethane	ND		0.0494	0.0472		mg/Kg		95	65 - 145	3	20
1,1,2,2-Tetrachloroethane	ND		0.0494	0.0616		mg/Kg		125	40 - 160	8	30
1,1,2-Trichloroethane	ND		0.0494	0.0583		mg/Kg		118	65 - 140	5	30
1,1-Dichloroethane	ND		0.0494	0.0498		mg/Kg		101	65 - 135	8	25
1,1-Dichloroethene	ND		0.0494	0.0517		mg/Kg		105	65 - 135	6	25
1,1-Dichloropropene	ND		0.0494	0.0435		mg/Kg		88	65 - 135	3	20
1,2,3-Trichlorobenzene	ND		0.0494	0.0455		mg/Kg		92	45 - 145	9	30
1,2,3-Trichloropropane	ND		0.0494	0.0588		mg/Kg		119	50 - 150	8	30
1,2,4-Trichlorobenzene	ND		0.0494	0.0496		mg/Kg		100	50 - 140	6	30
1,2,4-Trimethylbenzene	0.0023		0.0494	0.0518		mg/Kg		100	65 - 140	2	25

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

Lab Sample ID: 440-31357-14 MSD
Matrix: Solid
Analysis Batch: 71748

Client Sample ID: SB3-SS-5'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		0.0494	0.0473		mg/Kg		96	40 - 150	10	30
1,2-Dibromoethane (EDB)	ND		0.0494	0.0592		mg/Kg		120	65 - 140	5	25
1,2-Dichlorobenzene	ND		0.0494	0.0539		mg/Kg		109	70 - 130	7	25
1,2-Dichloroethane	ND		0.0494	0.0470		mg/Kg		95	60 - 150	7	25
1,2-Dichloropropane	ND		0.0494	0.0527		mg/Kg		107	65 - 130	4	20
1,3,5-Trimethylbenzene	ND		0.0494	0.0500		mg/Kg		99	65 - 135	0	25
1,3-Dichlorobenzene	ND		0.0494	0.0518		mg/Kg		105	70 - 130	4	25
1,3-Dichloropropane	ND		0.0494	0.0582		mg/Kg		118	65 - 140	5	25
1,4-Dichlorobenzene	ND		0.0494	0.0510		mg/Kg		103	70 - 130	2	25
2,2-Dichloropropane	ND		0.0494	0.0435		mg/Kg		88	65 - 150	3	25
2-Chlorotoluene	ND		0.0494	0.0488		mg/Kg		99	60 - 135	1	25
4-Chlorotoluene	ND		0.0494	0.0490		mg/Kg		99	65 - 135	2	25
Benzene	ND		0.0494	0.0493		mg/Kg		100	65 - 130	3	20
Bromobenzene	ND		0.0494	0.0534		mg/Kg		108	65 - 140	7	25
Bromochloromethane	ND		0.0494	0.0588		mg/Kg		119	65 - 145	9	25
Bromodichloromethane	ND		0.0494	0.0512		mg/Kg		104	65 - 145	1	20
Bromoform	ND		0.0494	0.0549		mg/Kg		111	50 - 145	7	30
Bromomethane	ND		0.0494	0.0587		mg/Kg		119	60 - 155	6	25
Carbon tetrachloride	ND		0.0494	0.0488		mg/Kg		99	60 - 145	3	25
Chlorobenzene	ND		0.0494	0.0530		mg/Kg		106	70 - 130	3	25
Chloroethane	ND		0.0494	0.0566		mg/Kg		115	60 - 150	7	25
Chloroform	ND		0.0494	0.0484		mg/Kg		98	65 - 135	8	20
Chloromethane	ND		0.0494	0.0406		mg/Kg		82	40 - 145	7	25
cis-1,2-Dichloroethene	ND		0.0494	0.0575		mg/Kg		116	65 - 135	10	25
cis-1,3-Dichloropropene	ND		0.0494	0.0553		mg/Kg		112	70 - 135	4	25
Dibromochloromethane	ND		0.0494	0.0643		mg/Kg		130	60 - 145	7	25
Dibromomethane	ND		0.0494	0.0560		mg/Kg		113	65 - 140	7	25
Dichlorodifluoromethane	ND		0.0494	0.0305		mg/Kg		62	30 - 160	2	35
Ethanol	ND		0.494	0.452		mg/Kg		91	30 - 165	25	40
Isopropyl Ether (DIPE)	ND		0.0494	0.0514		mg/Kg		104	60 - 150	11	25
Ethyl-t-butyl ether (ETBE)	ND		0.0494	0.0506		mg/Kg		102	60 - 145	11	30
Ethylbenzene	ND		0.0494	0.0489		mg/Kg		99	70 - 135	1	25
Hexachlorobutadiene	ND		0.0494	0.0402		mg/Kg		81	50 - 145	0	35
Isopropylbenzene	ND		0.0494	0.0485		mg/Kg		98	70 - 145	0	25
m,p-Xylene	ND		0.0988	0.0978		mg/Kg		99	70 - 130	1	25
Methylene Chloride	ND		0.0494	0.0519		mg/Kg		105	55 - 145	11	25
Methyl-t-Butyl Ether (MTBE)	ND		0.0494	0.0564		mg/Kg		114	55 - 155	14	35
Naphthalene	ND		0.0494	0.0530		mg/Kg		107	40 - 150	10	40
n-Butylbenzene	ND		0.0494	0.0461		mg/Kg		93	55 - 145	2	30
N-Propylbenzene	ND		0.0494	0.0493		mg/Kg		100	65 - 140	1	25
o-Xylene	ND		0.0494	0.0504		mg/Kg		102	65 - 130	0	25
p-Isopropyltoluene	ND		0.0494	0.0476		mg/Kg		96	60 - 140	1	25
sec-Butylbenzene	ND		0.0494	0.0473		mg/Kg		96	60 - 135	0	25
Styrene	ND		0.0494	0.0504		mg/Kg		102	70 - 140	2	25
Tert-amyl-methyl ether (TAME)	ND		0.0494	0.0568		mg/Kg		115	60 - 150	10	25
tert-Butylbenzene	ND		0.0494	0.0475		mg/Kg		96	60 - 140	1	25
Tetrachloroethene	ND		0.0494	0.0508		mg/Kg		103	65 - 135	3	25
Toluene	ND		0.0494	0.0504		mg/Kg		102	70 - 130	0	20

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

Lab Sample ID: 440-31357-14 MSD — **Client Sample ID: SB3-SS-5'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 71748

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,2-Dichloroethene	ND		0.0494	0.0506		mg/Kg		102	70 - 135	9	25
trans-1,3-Dichloropropene	ND		0.0494	0.0562		mg/Kg		114	60 - 145	4	25
Trichloroethene	ND		0.0494	0.0531		mg/Kg		107	65 - 140	3	25
Trichlorofluoromethane	ND		0.0494	0.0484		mg/Kg		98	55 - 155	3	25
Vinyl chloride	ND		0.0494	0.0473		mg/Kg		96	55 - 140	22	30
tert-Butyl alcohol (TBA)	ND		0.247	0.259		mg/Kg		105	65 - 145	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*111*		*80 - 125*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 440-71750/3 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 71750

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/06/12 19:23	1
1,1,1-Trichloroethane	ND		0.0010		mg/Kg			12/06/12 19:23	1
1,1,2,2-Tetrachloroethane	ND		0.0020		mg/Kg			12/06/12 19:23	1
1,1,2-Trichloroethane	ND		0.0010		mg/Kg			12/06/12 19:23	1
1,1-Dichloroethane	ND		0.0010		mg/Kg			12/06/12 19:23	1
1,1-Dichloroethene	ND		0.0020		mg/Kg			12/06/12 19:23	1
1,1-Dichloropropene	ND		0.0010		mg/Kg			12/06/12 19:23	1
1,2,3-Trichlorobenzene	ND		0.0010		mg/Kg			12/06/12 19:23	1
1,2,3-Trichloropropane	ND		0.010		mg/Kg			12/06/12 19:23	1
1,2,4-Trichlorobenzene	ND		0.0050		mg/Kg			12/06/12 19:23	1
1,2,4-Trimethylbenzene	ND		0.0020		mg/Kg			12/06/12 19:23	1
1,2-Dibromo-3-Chloropropane	ND		0.0050		mg/Kg			12/06/12 19:23	1
1,2-Dibromoethane (EDB)	ND		0.0010		mg/Kg			12/06/12 19:23	1
1,2-Dichlorobenzene	ND		0.0010		mg/Kg			12/06/12 19:23	1
1,2-Dichloroethane	ND		0.0010		mg/Kg			12/06/12 19:23	1
1,2-Dichloropropane	ND		0.0010		mg/Kg			12/06/12 19:23	1
1,3,5-Trimethylbenzene	ND		0.0020		mg/Kg			12/06/12 19:23	1
1,3-Dichlorobenzene	ND		0.0010		mg/Kg			12/06/12 19:23	1
1,3-Dichloropropane	ND		0.0010		mg/Kg			12/06/12 19:23	1
1,4-Dichlorobenzene	ND		0.0010		mg/Kg			12/06/12 19:23	1
2,2-Dichloropropane	ND		0.0010		mg/Kg			12/06/12 19:23	1
2-Chlorotoluene	ND		0.0020		mg/Kg			12/06/12 19:23	1
4-Chlorotoluene	ND		0.0020		mg/Kg			12/06/12 19:23	1
Benzene	ND		0.0010		mg/Kg			12/06/12 19:23	1
Bromobenzene	ND		0.0020		mg/Kg			12/06/12 19:23	1
Bromochloromethane	ND		0.0020		mg/Kg			12/06/12 19:23	1
Bromodichloromethane	ND		0.0010		mg/Kg			12/06/12 19:23	1
Bromoform	ND		0.0020		mg/Kg			12/06/12 19:23	1
Bromomethane	ND		0.0020		mg/Kg			12/06/12 19:23	1
Carbon tetrachloride	ND		0.0020		mg/Kg			12/06/12 19:23	1
Chlorobenzene	ND		0.0010		mg/Kg			12/06/12 19:23	1

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

Lab Sample ID: MB 440-71750/3
Matrix: Solid
Analysis Batch: 71750

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.0020		mg/Kg			12/06/12 19:23	1
Chloroform	ND		0.0010		mg/Kg			12/06/12 19:23	1
Chloromethane	ND		0.0020		mg/Kg			12/06/12 19:23	1
cis-1,2-Dichloroethene	ND		0.0010		mg/Kg			12/06/12 19:23	1
cis-1,3-Dichloropropene	ND		0.0010		mg/Kg			12/06/12 19:23	1
Dibromochloromethane	ND		0.0010		mg/Kg			12/06/12 19:23	1
Dibromomethane	ND		0.0010		mg/Kg			12/06/12 19:23	1
Dichlorodifluoromethane	ND		0.0020		mg/Kg			12/06/12 19:23	1
Ethanol	ND		0.20		mg/Kg			12/06/12 19:23	1
Isopropyl Ether (DIPE)	ND		0.0020		mg/Kg			12/06/12 19:23	1
Ethyl-t-butyl ether (ETBE)	ND		0.0020		mg/Kg			12/06/12 19:23	1
Ethylbenzene	ND		0.0010		mg/Kg			12/06/12 19:23	1
Hexachlorobutadiene	ND		0.0020		mg/Kg			12/06/12 19:23	1
Isopropylbenzene	ND		0.0010		mg/Kg			12/06/12 19:23	1
m,p-Xylene	ND		0.0020		mg/Kg			12/06/12 19:23	1
Methylene Chloride	ND		0.010		mg/Kg			12/06/12 19:23	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			12/06/12 19:23	1
Naphthalene	ND		0.0020		mg/Kg			12/06/12 19:23	1
n-Butylbenzene	ND		0.0020		mg/Kg			12/06/12 19:23	1
N-Propylbenzene	ND		0.0010		mg/Kg			12/06/12 19:23	1
o-Xylene	ND		0.0010		mg/Kg			12/06/12 19:23	1
p-Isopropyltoluene	ND		0.0010		mg/Kg			12/06/12 19:23	1
sec-Butylbenzene	ND		0.0020		mg/Kg			12/06/12 19:23	1
Styrene	ND		0.0010		mg/Kg			12/06/12 19:23	1
Tert-amyl-methyl ether (TAME)	ND		0.0020		mg/Kg			12/06/12 19:23	1
tert-Butylbenzene	ND		0.0020		mg/Kg			12/06/12 19:23	1
Tetrachloroethene	ND		0.0010		mg/Kg			12/06/12 19:23	1
Toluene	ND		0.0010		mg/Kg			12/06/12 19:23	1
trans-1,2-Dichloroethene	ND		0.0010		mg/Kg			12/06/12 19:23	1
trans-1,3-Dichloropropene	ND		0.0010		mg/Kg			12/06/12 19:23	1
Trichloroethene	ND		0.0010		mg/Kg			12/06/12 19:23	1
Trichlorofluoromethane	ND		0.0020		mg/Kg			12/06/12 19:23	1
Xylenes, Total	ND		0.0020		mg/Kg			12/06/12 19:23	1
Vinyl chloride	ND		0.0020		mg/Kg			12/06/12 19:23	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			12/06/12 19:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*12/06/12 19:23*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 125*		*12/06/12 19:23*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*12/06/12 19:23*	*1*

Lab Sample ID: LCS 440-71750/4
Matrix: Solid
Analysis Batch: 71750

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0533		mg/Kg		107	70 - 130
1,1,1-Trichloroethane	0.0500	0.0553		mg/Kg		111	65 - 135

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

Lab Sample ID: LCS 440-71750/4
Matrix: Solid
Analysis Batch: 71750

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	0.0500	0.0556		mg/Kg		111	55 - 140
1,1,2-Trichloroethane	0.0500	0.0518		mg/Kg		104	65 - 135
1,1-Dichloroethane	0.0500	0.0490		mg/Kg		98	70 - 130
1,1-Dichloroethene	0.0500	0.0469		mg/Kg		94	70 - 125
1,1-Dichloropropene	0.0500	0.0472		mg/Kg		94	70 - 130
1,2,3-Trichlorobenzene	0.0500	0.0498		mg/Kg		100	60 - 130
1,2,3-Trichloropropane	0.0500	0.0531		mg/Kg		106	60 - 135
1,2,4-Trichlorobenzene	0.0500	0.0520		mg/Kg		104	70 - 135
1,2,4-Trimethylbenzene	0.0500	0.0548		mg/Kg		110	70 - 125
1,2-Dibromo-3-Chloropropane	0.0500	0.0563		mg/Kg		113	50 - 135
1,2-Dibromoethane (EDB)	0.0500	0.0546		mg/Kg		109	70 - 130
1,2-Dichlorobenzene	0.0500	0.0505		mg/Kg		101	75 - 120
1,2-Dichloroethane	0.0500	0.0511		mg/Kg		102	60 - 140
1,2-Dichloropropane	0.0500	0.0480		mg/Kg		96	70 - 130
1,3,5-Trimethylbenzene	0.0500	0.0539		mg/Kg		108	70 - 125
1,3-Dichlorobenzene	0.0500	0.0506		mg/Kg		101	75 - 125
1,3-Dichloropropane	0.0500	0.0518		mg/Kg		104	70 - 125
1,4-Dichlorobenzene	0.0500	0.0492		mg/Kg		98	75 - 120
2,2-Dichloropropane	0.0500	0.0625		mg/Kg		125	60 - 145
2-Chlorotoluene	0.0500	0.0506		mg/Kg		101	70 - 125
4-Chlorotoluene	0.0500	0.0519		mg/Kg		104	75 - 125
Benzene	0.0500	0.0496		mg/Kg		99	65 - 120
Bromobenzene	0.0500	0.0500		mg/Kg		100	75 - 120
Bromochloromethane	0.0500	0.0506		mg/Kg		101	70 - 135
Bromodichloromethane	0.0500	0.0560		mg/Kg		112	70 - 135
Bromoform	0.0500	0.0655		mg/Kg		131	55 - 135
Bromomethane	0.0500	0.0480		mg/Kg		96	60 - 145
Carbon tetrachloride	0.0500	0.0529		mg/Kg		106	65 - 140
Chlorobenzene	0.0500	0.0461		mg/Kg		92	75 - 120
Chloroethane	0.0500	0.0470		mg/Kg		94	60 - 140
Chloroform	0.0500	0.0485		mg/Kg		97	70 - 130
Chloromethane	0.0500	0.0345		mg/Kg		69	45 - 145
cis-1,2-Dichloroethene	0.0500	0.0534		mg/Kg		107	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0572		mg/Kg		114	75 - 125
Dibromochloromethane	0.0500	0.0528		mg/Kg		106	65 - 140
Dibromomethane	0.0500	0.0531		mg/Kg		106	70 - 130
Dichlorodifluoromethane	0.0500	0.0269		mg/Kg		54	35 - 160
Ethanol	0.500	0.421		mg/Kg		84	35 - 160
Isopropyl Ether (DIPE)	0.0500	0.0530		mg/Kg		106	60 - 140
Ethyl-t-butyl ether (ETBE)	0.0500	0.0525		mg/Kg		105	60 - 140
Ethylbenzene	0.0500	0.0488		mg/Kg		98	70 - 125
Hexachlorobutadiene	0.0500	0.0445		mg/Kg		89	60 - 135
Isopropylbenzene	0.0500	0.0550		mg/Kg		110	75 - 130
m,p-Xylene	0.100	0.102		mg/Kg		102	70 - 125
Methylene Chloride	0.0500	0.0481		mg/Kg		96	55 - 135
Methyl-t-Butyl Ether (MTBE)	0.0500	0.0545		mg/Kg		109	60 - 140
Naphthalene	0.0500	0.0574		mg/Kg		115	55 - 135
n-Butylbenzene	0.0500	0.0540		mg/Kg		108	70 - 130

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

Lab Sample ID: LCS 440-71750/4
Matrix: Solid
Analysis Batch: 71750

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	0.0500	0.0540		mg/Kg		108	70 - 130
o-Xylene	0.0500	0.0535		mg/Kg		107	70 - 125
p-Isopropyltoluene	0.0500	0.0513		mg/Kg		103	75 - 125
sec-Butylbenzene	0.0500	0.0531		mg/Kg		106	70 - 125
Styrene	0.0500	0.0565		mg/Kg		113	75 - 130
Tert-amyl-methyl ether (TAME)	0.0500	0.0543		mg/Kg		109	60 - 145
tert-Butylbenzene	0.0500	0.0537		mg/Kg		107	70 - 125
Tetrachloroethene	0.0500	0.0473		mg/Kg		95	70 - 125
Toluene	0.0500	0.0508		mg/Kg		102	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0483		mg/Kg		97	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0546		mg/Kg		109	70 - 135
Trichloroethene	0.0500	0.0482		mg/Kg		96	70 - 125
Trichlorofluoromethane	0.0500	0.0510		mg/Kg		102	60 - 145
Vinyl chloride	0.0500	0.0417		mg/Kg		83	55 - 135
tert-Butyl alcohol (TBA)	0.250	0.304		mg/Kg		122	70 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*113*		*80 - 125*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: 440-31357-1 MS
Matrix: Solid
Analysis Batch: 71750

Client Sample ID: SB1-SS-5'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		0.0498	0.0564		mg/Kg		113	65 - 145
1,1,1-Trichloroethane	ND		0.0498	0.0597		mg/Kg		120	65 - 145
1,1,2,2-Tetrachloroethane	ND		0.0498	0.0504		mg/Kg		101	40 - 160
1,1,2-Trichloroethane	ND		0.0498	0.0518		mg/Kg		104	65 - 140
1,1-Dichloroethane	ND		0.0498	0.0512		mg/Kg		103	65 - 135
1,1-Dichloroethene	ND		0.0498	0.0503		mg/Kg		101	65 - 135
1,1-Dichloropropene	ND		0.0498	0.0504		mg/Kg		101	65 - 135
1,2,3-Trichlorobenzene	ND		0.0498	0.0503		mg/Kg		101	45 - 145
1,2,3-Trichloropropane	ND		0.0498	0.0499		mg/Kg		100	50 - 150
1,2,4-Trichlorobenzene	ND		0.0498	0.0531		mg/Kg		107	50 - 140
1,2,4-Trimethylbenzene	ND		0.0498	0.0568		mg/Kg		114	65 - 140
1,2-Dibromo-3-Chloropropane	ND		0.0498	0.0520		mg/Kg		104	40 - 150
1,2-Dibromoethane (EDB)	ND		0.0498	0.0570		mg/Kg		114	65 - 140
1,2-Dichlorobenzene	ND		0.0498	0.0526		mg/Kg		106	70 - 130
1,2-Dichloroethane	ND		0.0498	0.0524		mg/Kg		105	60 - 150
1,2-Dichloropropane	ND		0.0498	0.0524		mg/Kg		105	65 - 130
1,3,5-Trimethylbenzene	ND		0.0498	0.0553		mg/Kg		111	65 - 135
1,3-Dichlorobenzene	ND		0.0498	0.0518		mg/Kg		104	70 - 130
1,3-Dichloropropane	ND		0.0498	0.0533		mg/Kg		107	65 - 140
1,4-Dichlorobenzene	ND		0.0498	0.0503		mg/Kg		101	70 - 130
2,2-Dichloropropane	ND		0.0498	0.0671		mg/Kg		135	65 - 150
2-Chlorotoluene	ND		0.0498	0.0526		mg/Kg		106	60 - 135

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

Lab Sample ID: 440-31357-1 MS
Matrix: Solid
Analysis Batch: 71750

Client Sample ID: SB1-SS-5'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	ND		0.0498	0.0538		mg/Kg		108	65 - 135
Benzene	ND		0.0498	0.0520		mg/Kg		104	65 - 130
Bromobenzene	ND		0.0498	0.0529		mg/Kg		106	65 - 140
Bromochloromethane	ND		0.0498	0.0545		mg/Kg		109	65 - 145
Bromodichloromethane	ND		0.0498	0.0580		mg/Kg		116	65 - 145
Bromoform	ND		0.0498	0.0664		mg/Kg		133	50 - 145
Bromomethane	ND		0.0498	0.0505		mg/Kg		101	60 - 155
Carbon tetrachloride	ND		0.0498	0.0571		mg/Kg		115	60 - 145
Chlorobenzene	ND		0.0498	0.0491		mg/Kg		99	70 - 130
Chloroethane	ND		0.0498	0.0490		mg/Kg		98	60 - 150
Chloroform	ND		0.0498	0.0505		mg/Kg		101	65 - 135
Chloromethane	ND		0.0498	0.0357		mg/Kg		72	40 - 145
cis-1,2-Dichloroethene	ND		0.0498	0.0547		mg/Kg		110	65 - 135
cis-1,3-Dichloropropene	ND		0.0498	0.0592		mg/Kg		119	70 - 135
Dibromochloromethane	ND		0.0498	0.0554		mg/Kg		111	60 - 145
Dibromomethane	ND		0.0498	0.0547		mg/Kg		110	65 - 140
Dichlorodifluoromethane	ND		0.0498	0.0298		mg/Kg		60	30 - 160
Ethanol	ND		0.498	0.507		mg/Kg		102	30 - 165
Isopropyl Ether (DIPE)	ND		0.0498	0.0554		mg/Kg		111	60 - 150
Ethyl-t-butyl ether (ETBE)	ND		0.0498	0.0539		mg/Kg		108	60 - 145
Ethylbenzene	ND		0.0498	0.0521		mg/Kg		105	70 - 135
Hexachlorobutadiene	ND		0.0498	0.0447		mg/Kg		90	50 - 145
Isopropylbenzene	ND		0.0498	0.0573		mg/Kg		115	70 - 145
m,p-Xylene	ND		0.0996	0.109		mg/Kg		109	70 - 130
Methylene Chloride	ND		0.0498	0.0492		mg/Kg		99	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		0.0498	0.0551		mg/Kg		111	55 - 155
Naphthalene	ND		0.0498	0.0570		mg/Kg		115	40 - 150
n-Butylbenzene	ND		0.0498	0.0566		mg/Kg		114	55 - 145
N-Propylbenzene	ND		0.0498	0.0557		mg/Kg		112	65 - 140
o-Xylene	ND		0.0498	0.0565		mg/Kg		113	65 - 130
p-Isopropyltoluene	ND		0.0498	0.0529		mg/Kg		106	60 - 140
sec-Butylbenzene	ND		0.0498	0.0557		mg/Kg		112	60 - 135
Styrene	ND		0.0498	0.0595		mg/Kg		120	70 - 140
Tert-amyl-methyl ether (TAME)	ND		0.0498	0.0566		mg/Kg		114	60 - 150
tert-Butylbenzene	ND		0.0498	0.0546		mg/Kg		110	60 - 140
Tetrachloroethene	ND		0.0498	0.0515		mg/Kg		103	65 - 135
Toluene	ND		0.0498	0.0539		mg/Kg		108	70 - 130
trans-1,2-Dichloroethene	ND		0.0498	0.0508		mg/Kg		102	70 - 135
trans-1,3-Dichloropropene	ND		0.0498	0.0570		mg/Kg		114	60 - 145
Trichloroethene	ND		0.0498	0.0548		mg/Kg		110	65 - 140
Trichlorofluoromethane	ND		0.0498	0.0546		mg/Kg		110	55 - 155
Vinyl chloride	ND		0.0498	0.0448		mg/Kg		90	55 - 140
tert-Butyl alcohol (TBA)	ND		0.249	0.329		mg/Kg		132	65 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*113*		*80 - 125*
Toluene-d8 (Surr)	*106*		*80 - 120*

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

Lab Sample ID: 440-31357-1 MSD
Matrix: Solid
Analysis Batch: 71750

Client Sample ID: SB1-SS-5'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		0.0498	0.0597		mg/Kg		120	65 - 145	6	20
1,1,1-Trichloroethane	ND		0.0498	0.0649		mg/Kg		130	65 - 145	8	20
1,1,2,2-Tetrachloroethane	ND		0.0498	0.0595		mg/Kg		119	40 - 160	16	30
1,1,2-Trichloroethane	ND		0.0498	0.0551		mg/Kg		111	65 - 140	6	30
1,1-Dichloroethane	ND		0.0498	0.0552		mg/Kg		111	65 - 135	7	25
1,1-Dichloroethene	ND		0.0498	0.0595		mg/Kg		119	65 - 135	17	25
1,1-Dichloropropene	ND		0.0498	0.0566		mg/Kg		114	65 - 135	12	20
1,2,3-Trichlorobenzene	ND		0.0498	0.0518		mg/Kg		104	45 - 145	3	30
1,2,3-Trichloropropane	ND		0.0498	0.0550		mg/Kg		110	50 - 150	10	30
1,2,4-Trichlorobenzene	ND		0.0498	0.0568		mg/Kg		114	50 - 140	7	30
1,2,4-Trimethylbenzene	ND		0.0498	0.0632		mg/Kg		127	65 - 140	11	25
1,2-Dibromo-3-Chloropropane	ND		0.0498	0.0589		mg/Kg		118	40 - 150	12	30
1,2-Dibromoethane (EDB)	ND		0.0498	0.0605		mg/Kg		121	65 - 140	6	25
1,2-Dichlorobenzene	ND		0.0498	0.0555		mg/Kg		111	70 - 130	5	25
1,2-Dichloroethane	ND		0.0498	0.0522		mg/Kg		105	60 - 150	0	25
1,2-Dichloropropane	ND		0.0498	0.0521		mg/Kg		105	65 - 130	1	20
1,3,5-Trimethylbenzene	ND		0.0498	0.0633		mg/Kg		127	65 - 135	13	25
1,3-Dichlorobenzene	ND		0.0498	0.0568		mg/Kg		114	70 - 130	9	25
1,3-Dichloropropane	ND		0.0498	0.0540		mg/Kg		108	65 - 140	1	25
1,4-Dichlorobenzene	ND		0.0498	0.0548		mg/Kg		110	70 - 130	9	25
2,2-Dichloropropane	ND		0.0498	0.0771	F	mg/Kg		155	65 - 150	14	25
2-Chlorotoluene	ND		0.0498	0.0578		mg/Kg		116	60 - 135	9	25
4-Chlorotoluene	ND		0.0498	0.0590		mg/Kg		118	65 - 135	9	25
Benzene	ND		0.0498	0.0539		mg/Kg		108	65 - 130	4	20
Bromobenzene	ND		0.0498	0.0566		mg/Kg		114	65 - 140	7	25
Bromochloromethane	ND		0.0498	0.0516		mg/Kg		104	65 - 145	5	25
Bromodichloromethane	ND		0.0498	0.0614		mg/Kg		123	65 - 145	6	20
Bromoform	ND		0.0498	0.0723		mg/Kg		145	50 - 145	9	30
Bromomethane	ND		0.0498	0.0552		mg/Kg		111	60 - 155	9	25
Carbon tetrachloride	ND		0.0498	0.0664		mg/Kg		133	60 - 145	15	25
Chlorobenzene	ND		0.0498	0.0520		mg/Kg		104	70 - 130	6	25
Chloroethane	ND		0.0498	0.0574		mg/Kg		115	60 - 150	16	25
Chloroform	ND		0.0498	0.0521		mg/Kg		105	65 - 135	3	20
Chloromethane	ND		0.0498	0.0522	F	mg/Kg		105	40 - 145	38	25
cis-1,2-Dichloroethene	ND		0.0498	0.0591		mg/Kg		119	65 - 135	8	25
cis-1,3-Dichloropropene	ND		0.0498	0.0624		mg/Kg		125	70 - 135	5	25
Dibromochloromethane	ND		0.0498	0.0577		mg/Kg		116	60 - 145	4	25
Dibromomethane	ND		0.0498	0.0564		mg/Kg		113	65 - 140	3	25
Dichlorodifluoromethane	ND		0.0498	0.0606	F	mg/Kg		122	30 - 160	68	35
Ethanol	ND		0.498	0.437		mg/Kg		88	30 - 165	15	40
Isopropyl Ether (DIPE)	ND		0.0498	0.0565		mg/Kg		113	60 - 150	2	25
Ethyl-t-butyl ether (ETBE)	ND		0.0498	0.0556		mg/Kg		112	60 - 145	3	30
Ethylbenzene	ND		0.0498	0.0571		mg/Kg		115	70 - 135	9	25
Hexachlorobutadiene	ND		0.0498	0.0506		mg/Kg		102	50 - 145	12	35
Isopropylbenzene	ND		0.0498	0.0646		mg/Kg		130	70 - 145	12	25
m,p-Xylene	ND		0.0996	0.120		mg/Kg		120	70 - 130	9	25
Methylene Chloride	ND		0.0498	0.0487		mg/Kg		98	55 - 145	1	25
Methyl-t-Butyl Ether (MTBE)	ND		0.0498	0.0567		mg/Kg		114	55 - 155	3	35

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

Lab Sample ID: 440-31357-1 MSD — **Client Sample ID: SB1-SS-5'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 71750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	ND		0.0498	0.0610		mg/Kg		123	40 - 150	7	40
n-Butylbenzene	ND		0.0498	0.0658		mg/Kg		132	55 - 145	15	30
N-Propylbenzene	ND		0.0498	0.0630		mg/Kg		127	65 - 140	12	25
o-Xylene	ND		0.0498	0.0611		mg/Kg		123	65 - 130	8	25
p-Isopropyltoluene	ND		0.0498	0.0613		mg/Kg		123	60 - 140	15	25
sec-Butylbenzene	ND		0.0498	0.0625		mg/Kg		126	60 - 135	12	25
Styrene	ND		0.0498	0.0638		mg/Kg		128	70 - 140	7	25
Tert-amyl-methyl ether (TAME)	ND		0.0498	0.0584		mg/Kg		117	60 - 150	3	25
tert-Butylbenzene	ND		0.0498	0.0612		mg/Kg		123	60 - 140	11	25
Tetrachloroethene	ND		0.0498	0.0589		mg/Kg		118	65 - 135	13	25
Toluene	ND		0.0498	0.0566		mg/Kg		114	70 - 130	5	20
trans-1,2-Dichloroethene	ND		0.0498	0.0569		mg/Kg		114	70 - 135	11	25
trans-1,3-Dichloropropene	ND		0.0498	0.0594		mg/Kg		119	60 - 145	4	25
Trichloroethene	ND		0.0498	0.0573		mg/Kg		115	65 - 140	4	25
Trichlorofluoromethane	ND		0.0498	0.0626		mg/Kg		126	55 - 155	14	25
Vinyl chloride	ND		0.0498	0.0651	F	mg/Kg		131	55 - 140	37	30
tert-Butyl alcohol (TBA)	ND		0.249	0.317		mg/Kg		127	65 - 145	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 125*
Toluene-d8 (Surr)	*107*		*80 - 120*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 440-71296/4 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 71296

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C4-C6	ND		0.40		mg/Kg			12/05/12 13:29	1
C6-C7	ND		0.40		mg/Kg			12/05/12 13:29	1
C7-C8	ND		0.40		mg/Kg			12/05/12 13:29	1
C8-C9	ND		0.40		mg/Kg			12/05/12 13:29	1
C9-C10	ND		0.40		mg/Kg			12/05/12 13:29	1
C10-C11	ND		0.40		mg/Kg			12/05/12 13:29	1
C11-C12	ND		0.40		mg/Kg			12/05/12 13:29	1
C12-C13	ND		0.40		mg/Kg			12/05/12 13:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*65 - 140*		*12/05/12 13:29*	*1*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 440-71296/2 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 71296

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1.60	1.28		mg/Kg		80	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*142*	*X*	*65 - 140*

Lab Sample ID: LCSD 440-71296/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 71296

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1.60	1.28		mg/Kg		80	70 - 135	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*134*		*65 - 140*

Lab Sample ID: 440-31158-A-10 MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 71296

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)	ND		1.57	1.12		mg/Kg		71	60 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*65 - 140*

Lab Sample ID: 440-31158-A-10 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 71296

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1.53	0.972		mg/Kg		64	60 - 140	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*65 - 140*

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

Lab Sample ID: MB 440-71286/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 71334 — **Prep Batch: 71286**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
HC Dist (C13-C40)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C13-C14)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C15-C16)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C17-C18)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C19-C20)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1

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

Lab Sample ID: MB 440-71286/1-A
Matrix: Solid
Analysis Batch: 71334

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71286

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
EFH (C21-C22)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C23-C24)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C25-C26)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C27-C28)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C29-C30)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C31-C32)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C33-C34)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C35-C36)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C37-C38)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1
EFH (C39-C40)	ND		5.0		mg/Kg		12/05/12 08:57	12/05/12 14:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*72*		*40 - 140*	*12/05/12 08:57*	*12/05/12 14:01*	*1*

Lab Sample ID: LCS 440-71286/2-A
Matrix: Solid
Analysis Batch: 71334

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71286

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
EFH (C10-C28)			33.3	24.4		mg/Kg		73	45 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*83*		*40 - 140*

QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

GC/MS VOA

Analysis Batch: 71748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-31357-14	SB3-SS-5'	Total/NA	Solid	8260B	
440-31357-14 MS	SB3-SS-5'	Total/NA	Solid	8260B	
440-31357-14 MSD	SB3-SS-5'	Total/NA	Solid	8260B	
440-31357-16	SB4-SS-5'	Total/NA	Solid	8260B	
440-31357-19	SB7-SS-10'	Total/NA	Solid	8260B	
440-31357-21	SB7-SS-20'	Total/NA	Solid	8260B	
440-31357-22	SB6-SS-5'	Total/NA	Solid	8260B	
440-31357-24	SB5-SS-5'	Total/NA	Solid	8260B	
LCS 440-71748/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 440-71748/4	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 71750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-31357-1	SB1-SS-5'	Total/NA	Solid	8260B	
440-31357-1 MS	SB1-SS-5'	Total/NA	Solid	8260B	
440-31357-1 MSD	SB1-SS-5'	Total/NA	Solid	8260B	
440-31357-3	SB2-SS-5'	Total/NA	Solid	8260B	
440-31357-4	SB2-SS-10'	Total/NA	Solid	8260B	
440-31357-7	SB9-SS-10'	Total/NA	Solid	8260B	
440-31357-9	SB9-SS-20'	Total/NA	Solid	8260B	
440-31357-11	SB8-SS-10'	Total/NA	Solid	8260B	
440-31357-13	SB8-SS-20'	Total/NA	Solid	8260B	
LCS 440-71750/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 440-71750/3	Method Blank	Total/NA	Solid	8260B	

GC VOA

Analysis Batch: 71296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-31158-A-10 MS	Matrix Spike	Total/NA	Solid	8015B	
440-31158-A-10 MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	
440-31357-3	SB2-SS-5'	Total/NA	Solid	8015B	
440-31357-4	SB2-SS-10'	Total/NA	Solid	8015B	
440-31357-7	SB9-SS-10'	Total/NA	Solid	8015B	
440-31357-9	SB9-SS-20'	Total/NA	Solid	8015B	
440-31357-11	SB8-SS-10'	Total/NA	Solid	8015B	
440-31357-13	SB8-SS-20'	Total/NA	Solid	8015B	
440-31357-14	SB3-SS-5'	Total/NA	Solid	8015B	
440-31357-16	SB4-SS-5'	Total/NA	Solid	8015B	
440-31357-19	SB7-SS-10'	Total/NA	Solid	8015B	
440-31357-21	SB7-SS-20'	Total/NA	Solid	8015B	
440-31357-22	SB6-SS-5'	Total/NA	Solid	8015B	
440-31357-24	SB5-SS-5'	Total/NA	Solid	8015B	
LCS 440-71296/2	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-71296/3	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-71296/4	Method Blank	Total/NA	Solid	8015B	

QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

GC Semi VOA

Prep Batch: 71286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-31357-3	SB2-SS-5'	Total/NA	Solid	CA LUFT	
440-31357-4	SB2-SS-10'	Total/NA	Solid	CA LUFT	
440-31357-7	SB9-SS-10'	Total/NA	Solid	CA LUFT	
440-31357-9	SB9-SS-20'	Total/NA	Solid	CA LUFT	
440-31357-11	SB8-SS-10'	Total/NA	Solid	CA LUFT	
440-31357-13	SB8-SS-20'	Total/NA	Solid	CA LUFT	
440-31357-14	SB3-SS-5'	Total/NA	Solid	CA LUFT	
440-31357-16	SB4-SS-5'	Total/NA	Solid	CA LUFT	
440-31357-19	SB7-SS-10'	Total/NA	Solid	CA LUFT	
440-31357-21	SB7-SS-20'	Total/NA	Solid	CA LUFT	
440-31357-22	SB6-SS-5'	Total/NA	Solid	CA LUFT	
440-31357-24	SB5-SS-5'	Total/NA	Solid	CA LUFT	
LCS 440-71286/2-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
MB 440-71286/1-A	Method Blank	Total/NA	Solid	CA LUFT	

Analysis Batch: 71334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-31357-3	SB2-SS-5'	Total/NA	Solid	8015B	71286
440-31357-11	SB8-SS-10'	Total/NA	Solid	8015B	71286
440-31357-13	SB8-SS-20'	Total/NA	Solid	8015B	71286
440-31357-22	SB6-SS-5'	Total/NA	Solid	8015B	71286
LCS 440-71286/2-A	Lab Control Sample	Total/NA	Solid	8015B	71286
MB 440-71286/1-A	Method Blank	Total/NA	Solid	8015B	71286

Analysis Batch: 71335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-31357-4	SB2-SS-10'	Total/NA	Solid	8015B	71286
440-31357-7	SB9-SS-10'	Total/NA	Solid	8015B	71286
440-31357-9	SB9-SS-20'	Total/NA	Solid	8015B	71286
440-31357-14	SB3-SS-5'	Total/NA	Solid	8015B	71286
440-31357-16	SB4-SS-5'	Total/NA	Solid	8015B	71286
440-31357-19	SB7-SS-10'	Total/NA	Solid	8015B	71286
440-31357-21	SB7-SS-20'	Total/NA	Solid	8015B	71286
440-31357-24	SB5-SS-5'	Total/NA	Solid	8015B	71286

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

GC VOA

Qualifier	Qualifier Description
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
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
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
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Stantec Consulting Corp.
Project/Site: 1333 Tippecanoe

TestAmerica Job ID: 440-31357-1

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
Alaska	State Program	10	CA01531	06-30-13
Arizona	State Program	9	AZ0671	10-13-13
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	07-31-13
New Mexico	State Program	6	N/A	01-31-13
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
USEPA UCMR	Federal	1	CA01531	01-31-13

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

440-51357

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: TORO	Site Contact: VIGGIANO	Date: 12/3/12	COC No:
Stantec Consulting Services Inc.	Tel/Fax:	Lab Contact:	Carrier:	1 of 3 COCs
25864-F Business Center Drive	Analysis Turnaround Time			For Lab Use Only:
Redlands, CA 92374	Calendar (C) or Work Days (W)			Walk-in Client:
(909) 335-6116	TAT if different from Below ✓			Lab Sampling:
(909) 335-6120	☑ 2 weeks			
Project Name: 1333 FIRECANYON	☐ 1 week			Job / SDG No.:
Site:	☐ 2 days			
P O #	☐ 1 day			Sampler:

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample (Y / N)	Composite = C / Grab = G	VOCs by 8260B	TPH by 8015(ec)	Sample Specific Notes:
SB1-SS-5'	12/3/12	755	RINE	S	1			X		
SB1-SS-10'	↓	800	↓	↓	↓					
SB2-SS-5'		815						X	X	
SB2-SS-10'		820						X	X	
SB2-SS-15'		825						X	X	
SB9-SS-5'		0920								
SB9-SS-10'		0925						X	X	
SB9-SS-15'		0930								
SB9-SS-20'		0935						X	X	
SB8-SS-5'		1005								
SB8-SS-10'		1010						X	X	
SB8-SS-15'	↓	1015	↓	↓	↓					

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	STANTEC	12/3/12 1630	[signature]	TASB	12/3/12 1630
[signature]	TASB	12/3/12 1645	[signature]	TA-I	12/3/12 1645
[signature]	TA-I	12/3/12 1645	Received in Laboratory by: [signature] 1825	TA	12/3/12 1825

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12/7/2012

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

440-31357

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: TORO	Site Contact: VIGILANT	Date: 12/03/12	COC No:
Stantec Consulting Services Inc.	Tel/Fax:	Lab Contact:	Carrier:	2 of 3 COCs
25864-F Business Center Drive	Analysis Turnaround Time			For Lab Use Only:
Redlands, CA 92374	Calendar (C) or Work Days (W) N			Walk-in Client:
(909) 335-6116	TAT if different from Below			Lab Sampling:
(909) 335-6120	☑ 2 weeks			
Project Name: 1333 TRAPECANOE	☐ 1 week			Job / SDG No.:
Site:	☐ 2 days			
P O #	☐ 1 day			Sampler:

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample (Y / N)	Composite = C / Grab = G	VOCs by 8260B	TPH by 8015 (CC)	Sample Specific Notes:
SB8-SS-20'	12/3/12	1020	PIMA	S	1			X	X	
SB3-SS-5'		1045						X	X	
SB3-SS-10'		1050						[redacted]	[redacted]	
SB4-SS-5'		1155						X	X	
SB4-SS-10'		1200								
SB7-SS-5'		1240								
SB7-SS-10'		1245						X	X	
SB7-SS-15'		1250								
SB7-SS-20'		1255						X	X	
SB6-SS-5'		1320						X	X	
SB6-SS-10'		1325								
SB5-SS-5'		1345						X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	STANTEC	12/03/12 1630	[signature]	TASB	12/3/12 16:30
[signature]	TASB	12/3/12 1645	[signature]	TA-I	12/3/12 1645
[signature]	TA-I	12/3/12 1835	Received in Laboratory by: [signature]	TA	~~12/3/12~~ 12-3-12 1835

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12/7/2012

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

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

440-31357

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: TORR	Site Contact: VIGORAUS	Date: 12/03/12	COC No:
Stantec Consulting Services Inc.	Tel/Fax:	Lab Contact:	Carrier:	3 of 3 COCs
25864-F Business Center Drive	Analysis Turnaround Time			For Lab Use Only:
Redlands, CA 92374	Calendar (C) or Work Days (W)			Walk-in Client:
(909) 335-6116	TAT if different from Below N			Lab Sampling:
(909) 335-6120	☑ 2 weeks			
Project Name: 1333 TIPPECANOE	☐ 1 week			Job / SDG No.:
Site:	☐ 2 days			
P O #	☐ 1 day			Sampler:

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample (Y/N)	Composite = C / Grab = G	VOCs by 8260B	TPH by 8015 (GC)	Sample Specific Notes:
SB5-SS-10'	12/3/12	1320	Rinse	S	1					

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	STANTEC	12/03/12 1630	[signature]	TASB	12/3/12 16:30
[signature]	TA-B	12/3/12 1645	[signature]	TA-I	12/3/12 1645
[signature]	TA-I 12/3/12	12	Received in Laboratory by: [signature]	TA	12-3-12 1825

Rec at Irvine

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Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 440-31357-1

Login Number: 31357

List Source: TestAmerica Irvine

List Number: 1

Creator: Freitag, Kevin R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are 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?	False	Not requested on COC.
There are no discrepancies between the containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	