THE OLSON COMPANY

AMERICA'S BUILDER OF THE YEAR

February 17, 2011

Alameda County Environmental Health
Hazardous Materials Division
1131 Harbor Bay Parkway
Alameda, California 94502

Re: DOWN GRADIENT SOIL AND GROUNDWATER INVESTIGATION DATED JANUARY 7, 2011
Case #2737
Former Impulse Motors
1210 Bockman Road
San Lorenzo, California

To Whom It May Concern:

In Town Communities, LLC, a California limited liability company and subsidiary of Olson Urban Housing, LLC, a Delaware corporation doing business as The Olson Company, hereby submits the enclosed *Down-Gradient Soil and Groundwater Investigation* dated January 7, 2011 prepared by Stantec Consulting Corporation ("Stantec"). The report is for the additional down-gradient soil and groundwater investigation at the former Impulse Motors site located at 1210 Bockman Road, in the City of San Lorenzo, California.

I certify under penalty of perjury that the referenced investigation report and all attachments and supplemental information and recommendations contained in the attached report is true and correct to the best of my knowledge.

Very truly yours,

Dale Hines
Vice President, Operations
Northern California Division

Enclosures as stated

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www.olsonhomes.com

DOWN-GRADIENT SOIL AND GROUNDWATER INVESTIGATION

Former Impulse Motors
1210 Bockman Road
San Lorenzo, California

Stantec Project No.: 185802329

Submitted to:
Department of Environmental Health
Hazardous Materials Division
1131 Harbor Bay Parkway
Alameda, California

Submitted by:
Stantec Consulting Corporation
25864-F Business Center Drive
Redlands, California

Prepared by:
Kristen Daly
Staff Geologist

Reviewed by:
Kyle D. Emerson, CEG 1271
Managing Principal Geologist

January 7, 2011

Stantec Consulting Corporation
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January 7, 2011

Mark Detterman
Department of Environmental Health
Hazardous Materials Division
1131 Harbor Bay Parkway
Alameda, California 94502

RE: DOWN-GRADIENT SOIL AND GROUNDWATER INVESTIGATION
Former Impulse Motors
1210 Bockman Road
San Lorenzo, California (the "Site")

Dear Mr. Detterman,

At the request and authorization of The Olson Company, Stantec Consulting Corporation (Stantec) has prepared this report detailing the results of a Phase II investigation of down-gradient soil and groundwater at the above referenced Site. The investigation was completed in general accordance with Stantec's *Workplan for Down-Gradient Soil and Groundwater Assessment,* dated September 14, 2010. The results of the completed work are summarized in the following Executive Summary, and described in greater detail in the attached report.

EXECUTIVE SUMMARY

The Site is located on the southwest corner of Bockman Road and Via Chiquita Road within a residential area of the City of San Lorenzo. Currently, the Site is developed as a multi-family residential complex and parking lot.

The Site was developed with a gasoline fuel station from the 1950s until 2004. Impact to soil and groundwater was noted during tank and dispenser removal activities and subsequent soil and groundwater sampling. Based on these site investigations and resulting quarterly groundwater sampling, the plume appeared to be stable and limited to an area immediately down-gradient of the former fuel dispensers. Based on this information, Stantec submitted a request for closure after discussing the case with the case worker at the time. The case worker indicated that regulatory closure should be granted and, accordingly, the final paper work was filed for that purpose.

The ACDEH transferred the case to a new reviewer and, after review of the file, a request was made for additional assessment of soil and groundwater in down-gradient locations prior to granting closure. A meeting was held to discuss this new request on July 27, 2010. During that meeting, it was agreed that two hydropunch locations to be located across Bockman Road in a down gradient location of the former dispenser islands were necessary to evaluate the plume limits.

On December 7, 2010, Stantec personnel oversaw the advancement two (2) soil borings at the Site. Soils encountered during the investigation consisted primarily of clay. Groundwater was encountered in the boreholes at an approximate depth of between 15 and 17 feet bgs. No staining or hydrocarbon odors were observed in either of the two boreholes. PID readings were all 0.0 parts per million (ppm).

A total of nine (9) soil samples and two (2) groundwater samples collected during this investigation were delivered under chain-of-custody to Test America Laboratories located in Pleasanton, California. Test America is certified to perform hazardous waste testing by the State of California Department of Health Services, Environmental Laboratory Accreditation Program.

Two soil samples, one from each boring location, were analyzed for Total Petroleum Hydrocarbons (TPH) and volatile organic compounds (VOCs) including fuel oxygenates and ethanol by EPA Test Methods 8015m and 8260b, respectively. Two groundwater samples, one from each boring location, were analyzed for TPH and VOCs including fuel oxygenates and ethanol by EPA Test Methods 8015m and 8260b, respectively.

Soil Samples
Selected soil samples collected during the investigation exhibited non-detectable concentrations of TPH and VOCs with the exception of TPH as diesel, which was detected in the 17 foot and15 foot sample from borings SB-01 and SB-02 at 7.6 and 10 milligrams per kilogram (mg/kg), respectively.

None of the concentrations were found to be above the established regulatory criteria for soil. No other TPH or VOCs were detected above laboratory reporting limits.

Groundwater Samples
TPH as diesel was detected at 110 micrograms per liter (ug/L) in groundwater sample SB-01. No other TPH or VOCs were detected above laboratory reporting limits.

Low concentrations of diesel were detected in soil and groundwater down-gradient of the former fueling features at the Site. Detected concentrations of diesel are below California Regional Water Quality Control Board (CRWQCB) Environmental Screening Levels (ESLs) for both soil and groundwater and no other analytes were detected above laboratory reporting limits.

Accordingly, Stantec requests that the Department of Environmental Health, Hazardous Materials Division, grant regulatory closure for the Site.

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 CORPORATION

Kristen Daly
Staff Geologist

Kyle D. Emerson, CEG 1271
Managing Principal Geologist

PROFESSIONAL GEOLOGIST
KYLE EMERSON
No. 1271
CERTIFIED
ENGINEERING
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STATE OF CALIFORNIA

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Ms. Donna Drogos
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1131 Harbor Bay Parkway
Alameda, California 94502

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1.0 INTRODUCTION

This report documents the methodology and results of a down-gradient soil and groundwater investigation completed by Stantec Consulting Inc. (Stantec) at the former Impulse Motors, located at 1210 Bockman Road, San Lorenzo, California (the "Site").

The completed work was conducted in general accordance with Stantec's *Workplan for Down-Gradient Soil and Groundwater Assessment,* dated September 14, 2010. 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 is located on the southwest corner of Bockman Road and Via Chiquita Road within a residential area of the City of San Lorenzo. Currently, the Site is developed as a multi-family residential complex and parking lot.

1.2 SITE GEOLOGY AND HYDROGEOLOGY

The Site is located in Alameda County. The area is located within the Coast Ranges Geomorphic Province, which includes northwest-southeast trending mountain ranges and valleys that have been developed by the San Andreas Fault system (California Geological Survey [CGS], 2002). The stratigraphy underlying the Site consists primarily of recent-age alluvium overlying Mesozoic and Cenozoic marine strata (CDMG, 1961).

The Site is at an elevation of approximately 20 feet above mean sea level. The regional topographic gradient is to the west (USGS, 1993).

The closest mapped recently active fault is the Hayward Fault located approximately 1 mile northeast (CGS, 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 within the Hayward Basin (2.9-04), within the East and South Bay Basin (2.9) (California Regional Water Quality Control Board [CRWQCB], 2007). Quarterly groundwater monitoring was conducted at the Site in March 2008, June 2008, September 2008, and December 2008. During the course of these investigations, depth to water ranged between 7.65 and 9.14 feet bgs and flowed in a general northwest direction.

2.0 BACKGROUND INFORMATION

The Site is located on the southwest corner of Bockman Road and Via Chiquita Road within a residential area of the City of San Lorenzo. The Site was developed with a gasoline fuel station from the 1950s until 2004. Based on records provided by Alameda County two 4,000-gallon and one 6,000-gallon unleaded fuel tanks as well as one waste oil tank were removed from the Site in 1987. New double-wall steel fuel tanks were installed in their place in accordance with State regulations. In April 2004, one 8,000-gallon and two 6,000-gallon double-wall steel gasoline fuel tanks were removed from the Site. Removal activities are provided in the Underground Storage Tank (UST) Closure Report dated June 11, 2004.

According to the report, upon removal, the three USTs were observed to be in good condition and no field indications of hydrocarbon release were observed. A total of three confirmation soil samples were collected from the northern and southern sidewalls of the UST excavation at depths of 8.5 to 9.0 feet below ground surface (bgs). According to the report, analytical results of soil samples collected from the UST excavation exhibited non-detectable concentrations; however, specific data is not presented in this version of the report. According to the report, the tanks were removed from the Site by Ecology Control Industries. No information pertaining to the disposal of tank rinseate, piping, or dispensers is presented in the report. The soil overburden generated during tank excavation activities was approved for use as backfill by the Alameda County Health Care Services Agency (ACHCSA).

During the removal activities, four soil samples were collected from beneath the former fuel dispensers and three soil samples were collected from beneath the former piping runs at depths of 1.0 to 2.0 feet bgs. The soil samples collected from beneath the fuel dispensers and piping run contained concentrations of total petroleum hydrocarbons as gasoline (TPHg) ranging from 690 to 5,900 milligrams per kilogram (mg/kg). Minimal to non-detectable concentrations of benzene, toluene, ethylbenzene and xylenes (BTEX) were exhibited in samples collected from the dispensers and piping runs. Based on these detections, additional assessment was recommended.

In December 2004 a subsurface investigation was conducted to laterally and vertically delineate the extent of impact to soil beneath the former fuel dispensers. In addition, groundwater samples were collected from up- and down-gradient of the former USTs and dispensers to confirm that contamination to groundwater was not significant in the vicinity of these former features. The results of the investigation indicated low to non-detectable concentrations of TPHg and volatile organic compounds (VOCs) at a depth of 5 feet bgs in the vicinity of the former fuel dispensers. Based on this information, the impacted soil was believed to be limited to the upper 5 feet of soil. Groundwater collected from the vicinity of the former USTs exhibited non-detectable concentrations of TPHg and VOCs.

In December 2006, a remedial excavation was performed to remove the TPH impacted soil from the areas of the former fuel dispensers. Approximately 500 cubic yards of soil was removed from two excavation areas and stockpiled on-site. Clean and impacted soil was segregated based on photoionization detector (PID) readings, olfactory observations, and visual signs of staining. The depths of the excavations were limited to 10 feet bgs, due to the presence of groundwater. Verification soil samples were collected from the bottoms and sidewalls of each excavation. Analytical results of the soil samples collected from the sidewalls exhibited low to non-detectable concentrations of TPHg, TPH as diesel (TPHd), and VOCs. Analytical results of the soil samples collected from the bottoms of the excavations exhibited concentrations of TPHg ranging from 2.7 to 120 parts per million (ppm) and low to non-detectable concentrations of TPHd and VOCs. Composite soil samples collected from the impacted soil stockpile exhibited TPHg concentrations ranging from 1.4 to 47 ppm, as well as low to non-detectable concentrations of TPHd and VOCs.

Concentrations of lead were exhibited in all soil samples ranging from 3.47 to 16.5 ppm. The clean soil stockpile was authorized to be used as backfill material by the ACHCSA.

In April 2007 a confirmation soil, soil vapor, and groundwater investigation was conducted in order to determine remaining impacts to the Site. Soil, soil vapor, and groundwater samples were collected from down-gradient of the former fuel dispensers and in the vicinity of the former USTs. Soil vapor and groundwater collected from immediately down-gradient of the former dispensers detected concentrations of TPHg and TPHd above the Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs). However, these samples did not contain any detectable concentrations of BTEX and very low concentrations of methyl tert-butyl ether (MTBE) and ethyl tert-butyl ether (ETBE). TPHg and VOCs were detected at low to non-detectable levels in soil samples collected from the vicinity of the former fuel dispensers and former USTs.

In November 2007, at the request of the ACHCSA, three groundwater monitoring wells were installed down-gradient of the former fuel dispensers. A fourth well (MW-04) was installed, developed, sampled, and abandoned due to conflicts with Site development activities. Soil samples collected during the investigation exhibited low to non-detectable concentrations of TPHg and VOCs. Groundwater collected from MW-01, MW-03, and MW-04 exhibited non-detectable concentrations of TPHg and VOCs. However, well MW-02 exhibited a TPHg concentration of 710 micrograms per liter (ug/L) and low to non-detectable concentrations of VOCs. The result of this investigation determined that the plume is confined to a limited area immediately down-gradient of the former fuel dispensers. The ACHCSA requested one year of quarterly groundwater monitoring to evaluate the stability of the plume.

Quarterly groundwater monitoring was conducted in March 2008, June 2008, September 2008, and December 2008. During the course of these investigations, depth to water ranged between 7.65 and 9.14 feet bgs and flowed in a general northwest direction. Concentrations of TPHg and TPHd in well MW-02 ranged from 300 to 590 ug/L and non-detectable to 230 ug/L, respectively. MW-02 also exhibited low to non-detectable concentrations of VOCs. The remaining wells (MW-01 and MW-03) exhibited non-detectable concentrations of TPHg and VOCs. As a result, the plume appeared to be stable and limited to an area immediately down-gradient of the former fuel dispensers. Based on this information, Stantec submitted a request for closure after discussing the case with the case worker at the time. The case worker indicated that regulatory closure should be granted and, accordingly, the final paper work was filed for that purpose.

The ACDEH transferred the case to a new reviewer and, after review of the file, a request was made for additional assessment of soil and groundwater in down-gradient locations prior to granting closure. A meeting was held to discuss this new request on July 27, 2010. During that meeting, it was agreed that two hydropunch locations to be located across Bockman Road in a down gradient location of the former dispenser islands were necessary to evaluate that the plume limits were confined to the site. Tentative locations for these wells were agreed to in that meeting.

3.0 FIELD INVESTIGATION PROGRAM

3.1 SCOPE-OF-WORK

The scope of work consisted of the following general elements:

Task 1: USA Notification and Marking
As required by law, Stantec visited the Site to mark the proposed boring locations and acquire a current Underground Service Alert (USA) ticket number prior to commencement of Site drilling activities.

Task 2: Pre-Drilling Activities
In accordance with federal OSHA regulations (29 CFR, Section 1910.120), Stantec developed a site specific Health and Safety Plan (HASP) for the subject property. All Stantec personnel and subcontractors associated with the project were required to be familiar with, and comply with, all provisions of the HASP.

Task 3: Field Investigation
All work was conducted under the supervision of a State of California registered professional and included the following:

- Stantec advanced two (2) soil borings to 20 feet in depth by a direct push drilling rig. The borings were located as indicated on the attached figure 2 and placed down-gradient of the area of known impact to groundwater. Soil samples were collected for potential chemical analysis at five (5) foot intervals for the total depth of the boring for logging purposes as well as the capillary fringe as observed during drilling operations;
- One (1) groundwater sample was collected by using a direct push hydropunch at each boring location.
- Stantec submitted one (1) soil sample from the capillary fringe zone of each and one (1) groundwater sample from each boring for chemical analysis. Each of these samples was analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline, diesel, and oil by EPA Test Method 8015m. In addition, these samples were analyzed for volatile organic compounds (VOCs) including fuel oxygenates and ethanol by EPA Test Method 8260b.

3.2 SAMPLING PROCEDURES

Soil Sampling
Soil boring locations were hand augered within the upper five feet for utility clearance. Once the five foot depth had been reached, each of the boring locations was further advanced using a Geoprobe direct push rig. During advancement at each location, sampling of subsurface soils was performed every five feet starting at 5 feet bgs using a 12-inch long by 1.25-inch inner diameter stainless steel sampler with acetate 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 bottom portion of the acetate liner. 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 sleeve was sealed, it was 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.

Groundwater Sampling

A hydro-punch type driven sampler was used to collect groundwater samples at first encountered groundwater. The sampler was driven into the selected depth below first encountered groundwater and retracted to expose a well screen and the groundwater sample was collected with a decontaminated stainless steel bailer lowered and raised within the hollow drill rod. After an allotted amount of time the sampler was brought to the surface.

Upon extracting the sampler at each depth interval, the groundwater contained therein was discharged into laboratory provided 40 milliliter glass vials and 0.5 liter amber bottles. The sample vessels were capped and labeled with the appropriate identification (sample ID, sample time, date, and sample location) and placed in an ice-filled cooler pending delivery under Chain-of-Custody (COC) to a laboratory for potential chemical analysis. The COC records for the samples collected from the borings are presented in 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 cement bentonite grout. Surfaces were patched with concrete to match the surrounding 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.

3.5 WASTE DISPOSAL

All soil cuttings and purge/decon-water generated during this investigation were placed in DOT approved 55-gallon drums and labeled with the appropriate identification. The drums were temporarily stored on-site prior to removal and proper disposal.

4.0 LABORATORY TESTING PROGRAM

A total of nine (9) soil samples and two (2) groundwater samples collected during this investigation were delivered under chain-of-custody (Appendix B) to Test America Laboratories located in Pleasanton, California. Test America is certified to perform hazardous waste testing by the State of California Department of Health Services, Environmental Laboratory Accreditation Program.

Two soil samples, one from each boring location, were analyzed for Total Petroleum Hydrocarbons (TPH) and volatile organic compounds (VOCs) including fuel oxygenates and ethanol by EPA Test Methods 8015m and 8260b, respectively. Two groundwater samples were analyzed for TPH and VOCs including fuel oxygenates and ethanol by EPA Test Methods 8015m and 8260b, respectively. Analytical results are tabulated in Tables 1 through 2. Analytical laboratory test results are included in Appendix B and discussed in Section 5.0.

5.0 INVESTIGATION RESULTS

5.1 FIELD OBSERVATIONS

On December 7, 2010, Stantec personnel oversaw the advancement two (2) soil borings at the Site. Soils encountered during the investigation consisted primarily of clay. Groundwater was encountered in the boreholes at an approximate depth of between 15 and 17 feet bgs. No staining or hydrocarbon odors were observed in either of the two boreholes. PID readings were all 0.0 parts per million (ppm).

5.2 ANALYTICAL RESULTS

The laboratory test results are discussed below. Laboratory test results are summarized in attached Tables 1 through 2. The complete laboratory analytical test results are presented on the laboratory data sheets attached as Appendix B.

Soil Samples
Selected soil samples collected during the investigation exhibited non-detectable concentrations of TPH and VOCs with the exception of TPH as diesel, which was detected in the 17 foot and15 foot sample from borings SB-01 and SB-02 at 7.6 and 10 milligrams per kilogram (mg/kg), respectively. None of the concentrations were found to be above the established regulatory criteria for soil. No other TPH or VOCs were detected above laboratory reporting limits.

Groundwater Samples
TPH as diesel were detected at 110 micrograms per liter (ug/L) in groundwater sample SB-01. No other TPH or VOCs were detected above laboratory reporting limits.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The Site is located on the southwest corner of Bockman Road and Via Chiquita Road within a residential area of the City of San Lorenzo. Currently, the Site is developed as a multi-family residential complex and parking lot.

The Site was developed with a gasoline fuel station from the 1950s until 2004. Impact to soil and groundwater was noted during tank and dispenser removal activities and subsequent soil and groundwater sampling. Based on these site investigations and resulting quarterly groundwater sampling, the plume appeared to be stable and limited to an area immediately down-gradient of the former fuel dispensers. Based on this information, Stantec submitted a request for closure after discussing the case with the case worker at the time. The case worker indicated that regulatory closure should be granted and, accordingly, the final paper work was filed for that purpose.

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None of the concentrations were found to be above the established regulatory criteria for soil. No other TPH or VOCs were detected above laboratory reporting limits.

Groundwater Samples

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Low concentrations of diesel were detected in soil and groundwater down-gradient of the former fueling features at the Site. Detected concentrations of diesel are below California Regional Water Quality Control Board (CRWQCB) Environmental Screening Levels (ESLs) for both soil and groundwater and no other analytes were detected above laboratory reporting limits.

Accordingly, Stantec requests that the Department of Environmental Health, Hazardous Materials Division, grant regulatory closure for the Site.

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.

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

California Division of Mines and Geology (CDMG), 1961, Geologic Map of California, San Francisco Sheet, scale 1:250,000.

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

California Geological Survey (CGS), 2002, California Geomorphic Provinces, Note 36.

_____, 2010, Fault Activity Map of California, adjustable scale, http://www.quake.ca.gov/gmaps/FAM/faultactivitymap.html.

California Regional Water Quality Control Board (CRWQCB), 2007, Water Quality Control Plan, San Francisco Bay Basin Region – Region 2.

Stantec, *Workplan for Down-Gradient Soil and Groundwater Assessment ,* dated September 14, 2010.

United States Geological Survey (USGS), 1993, San Leandro Quadrangle, 7.5 Minute Topographic Map, Scale 1 inch = 2,000 feet.

TABLES

Table 1

Summary of Soil Analytical Results - TPH and VOCs
The Olson Company
1210 Bockman Road
San Lorenzo, California
Stantec Job No.: 185802329

Sample ID[1]	Sample Depth (feet bgs)	Sampling Date	TPH[2] 8015m[3]			VOCs [2] 8260[3]					
			TPHg	TPHd	TPHo	Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl-tert-butyl ether (MtBE)	All Other VOCs
USEPA PRGs (mg/kg)			NA	NA	NA	1.1	5,000	5.4	630	43	varies
CRWQCB ESLs (mg/kg)			100	100	370	0.12	9.3	2.3	11	8.4	varies
Samples											
SB-01@17'	17	12/7/2010	<0.230	**7.6**	<49	<0.0047	<0.0047	<0.0047	<0.0093	<0.0047	ND<varies
SB-02@15'	15	12/7/2010	<0.240	**10**	<50	<0.0048	<0.0048	<0.0048	<0.0097	<0.0048	ND<varies

NOTES:
(1) Refer to Figure 2 for sampling locations
(2) Concentrations reported in milligrams per kilogram (mg/kg)
(3) EPA Test Method
< - Indicates the concentration was not detected above the laboratory method detection limit.

ABBREVIATIONS:

TPHg - Total Petroleum Hydrocarbons as gasoline
TPHd - Total Petroleum Hydrocarbons as diesel
TPHo - Total Petroleum Hydrocarbons as oil
VOCs - Volatile Organic Compounds
CRWQCB ESL - California Regional Water Quality Control Board Environmental Screening Level, shallow soils and groundwater not a source of drinking water
USEPA PRGs - United States Environmental Protection Agency Preliminary Remediation Goals

Table 2

Summary of Groundwater Analytical Results
The Olson Company
1210 Bockman Road
San Lorenzo, California
Stantec Job No.: 185802329

Sample ID[1]	Sampling Date	TPH[2] 8015m[3]			VOCs [2] 8260[3]					
		TPHg	TPHd	TPHo	Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl-tert-butyl ether (MtBE)	All Other VOCs
CRWQCB ESLs (ug/L)		210	210	210	46	130	43	100	1800	varies
Samples										
SB-01-GW	12/7/2010	<50	**110**	<540	<0.50	<0.50	<0.50	<1.0	<0.50	< varies
SB-02-GW	12/7/2010	<50	<92	<550	<0.50	<0.50	<0.50	<1.0	<0.50	< varies

NOTES:
(1) Refer to Figure 2 for sampling locations
(2) Concentrations reported in micrograms per liter (ug/L)
(3) EPA Test Method
< - Indicates the concentration was not detected above the laboratory method detection limit.

ABBREVIATIONS:
VOCs - Volatile Organic Compounds
CRWQCB ESL - California Regional Water Quality Control Board Environmental Screening Level, shallow soils and groundwater not a source of drinking water

FIGURES

Reference: U.S.G.S., 1993, San Leandro and Hayward Quadrangles California - Alameda County, 7.5' Series Topographic.

NORTH

SCALE
1 inch = 2000 feet

0 1000 2000

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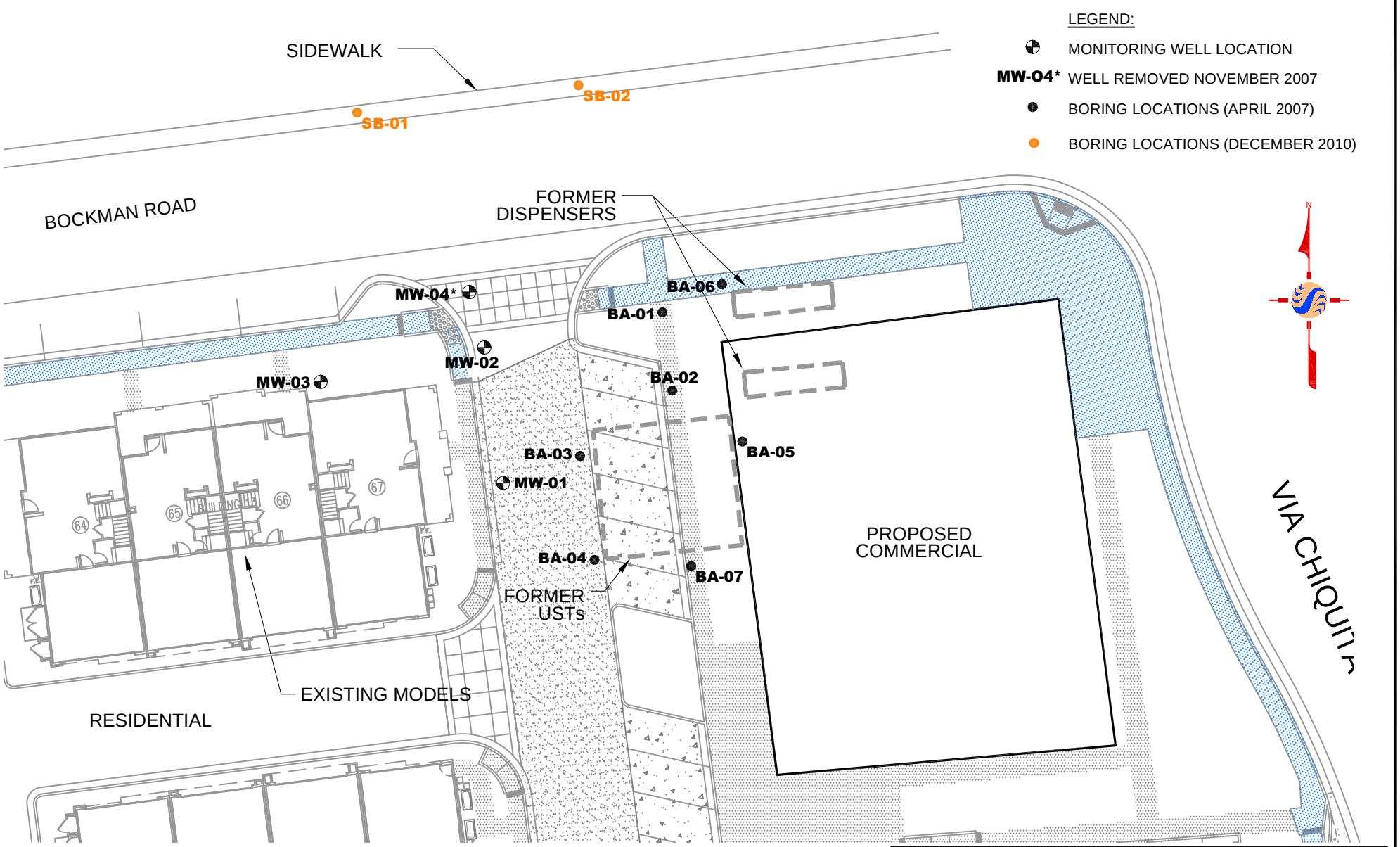
FOR:		FIGURE:
THE OLSON COMPANY VILLAGE WALK 1210 BOCKMAN ROAD SAN LORENZO, CALIFORNIA	SITE LOCATION MAP	1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185899000	JBL	KD	KE	09/07/10



0 30 60

APPROXIMATE SCALE IN FEET

Stantec
25864-F BUISNESS CENTER DRIVE
REDLANDS, CALIFORNIA 92374
PHONE: (909) 335-6116 FAX: (909) 335-6120

FOR:
THE OLSON COMPANY
VILLAGE WALK
1210 BOCKMAN ROAD
SAN LORENZO, CALIFORNIA

SITE PLAN WITH
BORING LOCATIONS

FIGURE:
2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185802329	JBL	KD	KE	12/21/10

APPENDIX A
BORING LOGS

PROJECT: **Former Impulse Motors**
LOCATION: **1210 Bockman Road, San Lorenzo CA**
PROJECT NUMBER: **185802329**

WELL / PROBEHOLE / BOREHOLE NO: **SB-01** PAGE 1 OF 1

Stantec

DRILLING: STARTED **12/7/10** COMPLETED: **12/7/10**
INSTALLATION: STARTED **12/7/10** COMPLETED: **12/7/10**
DRILLING COMPANY: **WDC**
DRILLING EQUIPMENT: **Geoprobe**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Acetate sleeves**

NORTHING (ft): EASTING (ft):
LATITUDE: LONGITUDE:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **17** **12/7/10** BOREHOLE DEPTH (ft): **20.0**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **2.5**
LOGGED BY: **KT** CHECKED BY: **KD**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			4" Concrete							Concrete
		CL	**CLAY** ; CL; dark brown; no odor; no odor							
5			... same as above		940 SB-01@5'	0.5		0.0	5	
10			... same as above		945 SB-01@10'	0.5		0.0	10	Cement bentonite grout
15			... same as above; light brown; slightly moist		950 SB-01@15'	0.5		0.0	15	
					955 SB-01@17'	0.5		0.0	▽	
			... same as above; moist		1140 SB-01-GW	0				
20			Hole terminated at 20 feet.		1000 SB-01@20'	0.5		0.0	20	

GEO FORM 304 SAN LORANZO DOWN-GRADIENT BORINGS.GPJ SECOR INTL.GDT 12/23/10

PROJECT: **Former Impulse Motors**
LOCATION: **1210 Bockman Road, San Lorenzo CA**
PROJECT NUMBER: **185802329**

WELL / PROBEHOLE / BOREHOLE NO: **SB-02** PAGE 1 OF 1

Stantec

DRILLING: STARTED **12/7/10** COMPLETED: **12/7/10**
INSTALLATION: STARTED **12/7/10** COMPLETED: **12/7/10**
DRILLING COMPANY: **WDC**
DRILLING EQUIPMENT: **Geoprobe**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Acetate sleeves**

NORTHING (ft): EASTING (ft):
LATITUDE: LONGITUDE:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **17** **12/7/10** BOREHOLE DEPTH (ft): **20.0**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **2.5**
LOGGED BY: **KT** CHECKED BY: **KD**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			4" Concrete							Concrete
		CL	**CLAY** ; CL; dark brown; no odor; no odor							
5			... same as above		900 SB-02@5'	0.5		0.0	5	
10			... same as above		905 SB-02@10'	0.5		0.0	10	Cement bentonite grout
15			... same as above; light brown; slightly moist		913 SB-02@15'	0.5		0.0	15	
			... same as above; moist		1030 SB-02-GW	0				
20			Hole terminated at 20 feet.		917 SB-02@20'	0.5		0.0	20	

GEO FORM 304 SAN LORANZO DOWN-GRADIENT BORINGS.GPJ SECOR INTL.GDT 12/23/10

APPENDIX B
LABORATORY DATA SHEETS AND QA/QC RESULTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-32151-1

Job Description: San Loranzo

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

Attention: Ms. Kristen Daly

Approved for release.
Afsaneh Salimpour
Project Manager I
12/14/2010 12:45 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
12/14/2010

CA ELAP Certification # 2496
The Chain(s) of Custody are included and are an integral part of this report.

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

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Job Narrative
720-32151-1

Comments
No additional comments.

Receipt
1/ Logged in as HOLD on those samples that don't have analysis requested on COC.
2/ Water samples: Received only 1 (500 ML) amber for TPH-D.

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

GC/MS VOA
No analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Concentrations reported represent individual or discrete peaks: 720-32151 - 4, 8

Method(s) 8015B: Concentrations reported represent individual or discrete peaks: 720-32151 - 10

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-32151-4	**SB-01 @ 17'**				
Diesel Range Organics [C10-C28]		7.6	0.99	mg/Kg	8015B
720-32151-8	**SB-02 @ 15'**				
Diesel Range Organics [C10-C28]		10	1.0	mg/Kg	8015B
720-32151-10	**SB-01-GW**				
Diesel Range Organics [C10-C28]		110	90	ug/L	8015B

METHOD SUMMARY

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL SF	SW846 8260B	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B
Matrix Water			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

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

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Method	Analyst	Analyst ID
SW846 8260B	Chen, Amy	AC
SW846 8260B/CA_LUFTMS	Le, Lien	LL
SW846 8015B	Hayashi, Derek	DH

SAMPLE SUMMARY

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-32151-4	SB-01 @ 17'	Solid	12/07/2010 0955	12/07/2010 1900
720-32151-8	SB-02 @ 15'	Solid	12/07/2010 0913	12/07/2010 1900
720-32151-10	SB-01-GW	Water	12/07/2010 1140	12/07/2010 1900
720-32151-11	SB-02-GW	Water	12/07/2010 1030	12/07/2010 1900

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Client Sample ID: **SB-01 @ 17'**

Lab Sample ID: 720-32151-4 Date Sampled: 12/07/2010 0955
Client Matrix: Solid Date Received: 12/07/2010 1900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-82947		Instrument ID:	CHMSV2
Preparation:	5030B	Prep Batch: 720-82982		Lab File ID:	12081043.D
Dilution:	1.0			Initial Weight/Volume:	5.35 g
Date Analyzed:	12/09/2010 0425			Final Weight/Volume:	10 mL
Date Prepared:	12/08/2010 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.7
Acetone		ND		47
Benzene		ND		4.7
Dichlorobromomethane		ND		4.7
Bromobenzene		ND		4.7
Chlorobromomethane		ND		19
Bromoform		ND		4.7
Bromomethane		ND		9.3
2-Butanone (MEK)		ND		47
n-Butylbenzene		ND		4.7
sec-Butylbenzene		ND		4.7
tert-Butylbenzene		ND		4.7
Carbon disulfide		ND		4.7
Carbon tetrachloride		ND		4.7
Chlorobenzene		ND		4.7
Chloroethane		ND		9.3
Chloroform		ND		4.7
Chloromethane		ND		9.3
2-Chlorotoluene		ND		4.7
4-Chlorotoluene		ND		4.7
Chlorodibromomethane		ND		4.7
1,2-Dichlorobenzene		ND		4.7
1,3-Dichlorobenzene		ND		4.7
1,4-Dichlorobenzene		ND		4.7
1,3-Dichloropropane		ND		4.7
1,1-Dichloropropene		ND		4.7
1,2-Dibromo-3-Chloropropane		ND		4.7
Ethylene Dibromide		ND		4.7
Dibromomethane		ND		9.3
Dichlorodifluoromethane		ND		9.3
1,1-Dichloroethane		ND		4.7
1,2-Dichloroethane		ND		4.7
1,1-Dichloroethene		ND		4.7
cis-1,2-Dichloroethene		ND		4.7
trans-1,2-Dichloroethene		ND		4.7
1,2-Dichloropropane		ND		4.7
cis-1,3-Dichloropropene		ND		4.7
trans-1,3-Dichloropropene		ND		4.7
Ethylbenzene		ND		4.7
Hexachlorobutadiene		ND		4.7
2-Hexanone		ND		47
Isopropylbenzene		ND		4.7
4-Isopropyltoluene		ND		4.7
Methylene Chloride		ND		9.3
4-Methyl-2-pentanone (MIBK)		ND		47
Naphthalene		ND		9.3

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Client Sample ID: **SB-01 @ 17'**

Lab Sample ID: 720-32151-4 Date Sampled: 12/07/2010 0955
Client Matrix: Solid Date Received: 12/07/2010 1900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-82947		Instrument ID:	CHMSV2
Preparation:	5030B	Prep Batch: 720-82982		Lab File ID:	12081043.D
Dilution:	1.0			Initial Weight/Volume:	5.35 g
Date Analyzed:	12/09/2010 0425			Final Weight/Volume:	10 mL
Date Prepared:	12/08/2010 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.7
Styrene		ND		4.7
1,1,1,2-Tetrachloroethane		ND		4.7
1,1,2,2-Tetrachloroethane		ND		4.7
Tetrachloroethene		ND		4.7
Toluene		ND		4.7
1,2,3-Trichlorobenzene		ND		4.7
1,2,4-Trichlorobenzene		ND		4.7
1,1,1-Trichloroethane		ND		4.7
1,1,2-Trichloroethane		ND		4.7
Trichloroethene		ND		4.7
Trichlorofluoromethane		ND		4.7
1,2,3-Trichloropropane		ND		4.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.7
1,2,4-Trimethylbenzene		ND		4.7
1,3,5-Trimethylbenzene		ND		4.7
Vinyl acetate		ND		47
Vinyl chloride		ND		4.7
Xylenes, Total		ND		9.3
2,2-Dichloropropane		ND		4.7
Gasoline Range Organics (GRO)-C5-C12		ND		230
TBA		ND		9.3
Ethanol		ND		470
DIPE		ND		4.7
TAME		ND		4.7
Ethyl t-butyl ether		ND		4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		45 - 131
1,2-Dichloroethane-d4 (Surr)	102		60 - 140
Toluene-d8 (Surr)	101		58 - 140

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Client Sample ID: **SB-02 @ 15'**

Lab Sample ID: 720-32151-8 Date Sampled: 12/07/2010 0913
Client Matrix: Solid Date Received: 12/07/2010 1900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-82947		Instrument ID:	CHMSV2
Preparation:	5030B	Prep Batch: 720-82982		Lab File ID:	12081044.D
Dilution:	1.0			Initial Weight/Volume:	5.18 g
Date Analyzed:	12/09/2010 0456			Final Weight/Volume:	10 mL
Date Prepared:	12/08/2010 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.8
Acetone		ND		48
Benzene		ND		4.8
Dichlorobromomethane		ND		4.8
Bromobenzene		ND		4.8
Chlorobromomethane		ND		19
Bromoform		ND		4.8
Bromomethane		ND		9.7
2-Butanone (MEK)		ND		48
n-Butylbenzene		ND		4.8
sec-Butylbenzene		ND		4.8
tert-Butylbenzene		ND		4.8
Carbon disulfide		ND		4.8
Carbon tetrachloride		ND		4.8
Chlorobenzene		ND		4.8
Chloroethane		ND		9.7
Chloroform		ND		4.8
Chloromethane		ND		9.7
2-Chlorotoluene		ND		4.8
4-Chlorotoluene		ND		4.8
Chlorodibromomethane		ND		4.8
1,2-Dichlorobenzene		ND		4.8
1,3-Dichlorobenzene		ND		4.8
1,4-Dichlorobenzene		ND		4.8
1,3-Dichloropropane		ND		4.8
1,1-Dichloropropene		ND		4.8
1,2-Dibromo-3-Chloropropane		ND		4.8
Ethylene Dibromide		ND		4.8
Dibromomethane		ND		9.7
Dichlorodifluoromethane		ND		9.7
1,1-Dichloroethane		ND		4.8
1,2-Dichloroethane		ND		4.8
1,1-Dichloroethene		ND		4.8
cis-1,2-Dichloroethene		ND		4.8
trans-1,2-Dichloroethene		ND		4.8
1,2-Dichloropropane		ND		4.8
cis-1,3-Dichloropropene		ND		4.8
trans-1,3-Dichloropropene		ND		4.8
Ethylbenzene		ND		4.8
Hexachlorobutadiene		ND		4.8
2-Hexanone		ND		48
Isopropylbenzene		ND		4.8
4-Isopropyltoluene		ND		4.8
Methylene Chloride		ND		9.7
4-Methyl-2-pentanone (MIBK)		ND		48
Naphthalene		ND		9.7

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Client Sample ID: **SB-02 @ 15'**

Lab Sample ID: 720-32151-8 Date Sampled: 12/07/2010 0913
Client Matrix: Solid Date Received: 12/07/2010 1900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-82947		Instrument ID:	CHMSV2
Preparation:	5030B	Prep Batch: 720-82982		Lab File ID:	12081044.D
Dilution:	1.0			Initial Weight/Volume:	5.18 g
Date Analyzed:	12/09/2010 0456			Final Weight/Volume:	10 mL
Date Prepared:	12/08/2010 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.8
Styrene		ND		4.8
1,1,1,2-Tetrachloroethane		ND		4.8
1,1,2,2-Tetrachloroethane		ND		4.8
Tetrachloroethene		ND		4.8
Toluene		ND		4.8
1,2,3-Trichlorobenzene		ND		4.8
1,2,4-Trichlorobenzene		ND		4.8
1,1,1-Trichloroethane		ND		4.8
1,1,2-Trichloroethane		ND		4.8
Trichloroethene		ND		4.8
Trichlorofluoromethane		ND		4.8
1,2,3-Trichloropropane		ND		4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.8
1,2,4-Trimethylbenzene		ND		4.8
1,3,5-Trimethylbenzene		ND		4.8
Vinyl acetate		ND		48
Vinyl chloride		ND		4.8
Xylenes, Total		ND		9.7
2,2-Dichloropropane		ND		4.8
Gasoline Range Organics (GRO)-C5-C12		ND		240
TBA		ND		9.7
Ethanol		ND		480
DIPE		ND		4.8
TAME		ND		4.8
Ethyl t-butyl ether		ND		4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	91		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	99		58 - 140

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Client Sample ID: **SB-01-GW**

Lab Sample ID: 720-32151-10 Date Sampled: 12/07/2010 1140
Client Matrix: Water Date Received: 12/07/2010 1900

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-82974		Instrument ID:	HP12
Preparation:	5030B			Lab File ID:	12091009.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	12/09/2010 1304			Final Weight/Volume:	10 mL
Date Prepared:	12/09/2010 1304				

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	115		67 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Client Sample ID: **SB-01-GW**

Lab Sample ID: 720-32151-10 Date Sampled: 12/07/2010 1140
Client Matrix: Water Date Received: 12/07/2010 1900

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-82973		Instrument ID:	CHMSV2
Preparation:	5030B			Lab File ID:	12091010.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	12/09/2010 1335			Final Weight/Volume:	10 mL
Date Prepared:	12/09/2010 1335				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Client Sample ID: **SB-01-GW**

Lab Sample ID: 720-32151-10 Date Sampled: 12/07/2010 1140
Client Matrix: Water Date Received: 12/07/2010 1900

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-82973 Instrument ID: CHMSV2
Preparation: 5030B Lab File ID: 12091010.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 12/09/2010 1335 Final Weight/Volume: 10 mL
Date Prepared: 12/09/2010 1335

Analyte	Result (ug/L)	Qualifier	RL
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		10
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
TBA	ND		4.0
Ethanol	ND		250
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	99		67 - 130
Toluene-d8 (Surr)	106		70 - 130

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Client Sample ID: **SB-02-GW**

Lab Sample ID: 720-32151-11 Date Sampled: 12/07/2010 1030
Client Matrix: Water Date Received: 12/07/2010 1900

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-82973		Instrument ID:	CHMSV2
Preparation:	5030B			Lab File ID:	12091011.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	12/09/2010 1405			Final Weight/Volume:	10 mL
Date Prepared:	12/09/2010 1405				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Client Sample ID: **SB-02-GW**

Lab Sample ID: 720-32151-11 Date Sampled: 12/07/2010 1030
Client Matrix: Water Date Received: 12/07/2010 1900

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-82973 Instrument ID: CHMSV2
Preparation: 5030B Lab File ID: 12091011.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 12/09/2010 1405 Final Weight/Volume: 10 mL
Date Prepared: 12/09/2010 1405

Analyte	Result (ug/L)	Qualifier	RL
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		10
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
Ethanol	ND		250
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	97		67 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Client Sample ID: **SB-01 @ 17'**

Lab Sample ID: 720-32151-4 Date Sampled: 12/07/2010 0955
Client Matrix: Solid Date Received: 12/07/2010 1900

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-82984		Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-82914		Initial Weight/Volume:	30.40 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	12/09/2010 1036			Injection Volume:	1 uL
Date Prepared:	12/08/2010 1313			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		7.6		0.99
Motor Oil Range Organics [C24-C36]		ND		49

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	79		31 - 114

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Client Sample ID: **SB-02 @ 15'**

Lab Sample ID: 720-32151-8 Date Sampled: 12/07/2010 0913
Client Matrix: Solid Date Received: 12/07/2010 1900

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-82984		Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-82914		Initial Weight/Volume:	30.08 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	12/09/2010 1059			Injection Volume:	1 uL
Date Prepared:	12/08/2010 1313			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		10		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	87		31 - 114

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Client Sample ID: **SB-01-GW**

Lab Sample ID: 720-32151-10 Date Sampled: 12/07/2010 1140
Client Matrix: Water Date Received: 12/07/2010 1900

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-82970		Instrument ID:	CHDRO6
Preparation:	3510C	Prep Batch: 720-82921		Initial Weight/Volume:	550 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	12/09/2010 1308			Injection Volume:	1 uL
Date Prepared:	12/08/2010 1338			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	110		90
Motor Oil Range Organics [C24-C36]	ND		540

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	93		23 - 156

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Client Sample ID: **SB-02-GW**

Lab Sample ID: 720-32151-11 Date Sampled: 12/07/2010 1030
Client Matrix: Water Date Received: 12/07/2010 1900

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-82970		Instrument ID:	CHDRO6
Preparation:	3510C	Prep Batch: 720-82921		Initial Weight/Volume:	540 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	12/09/2010 1509			Injection Volume:	1 uL
Date Prepared:	12/08/2010 1338			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		92
Motor Oil Range Organics [C24-C36]	ND		550

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	80		23 - 156

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: Stantec Consulting Corp. Job Number: 720-32151-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-82947					
LCS 720-82982/2-A	Lab Control Sample	T	Solid	8260B	720-82982
LCS 720-82982/4-A	Lab Control Sample	T	Solid	8260B	720-82982
LCSD 720-82982/3-A	Lab Control Sample Duplicate	T	Solid	8260B	720-82982
LCSD 720-82982/5-A	Lab Control Sample Duplicate	T	Solid	8260B	720-82982
MB 720-82982/1-A	Method Blank	T	Solid	8260B	720-82982
720-32151-4	SB-01 @ 17'	T	Solid	8260B	720-82982
720-32151-8	SB-02 @ 15'	T	Solid	8260B	720-82982
Analysis Batch:720-82973					
LCS 720-82973/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-82973/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-82973/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-82973/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-82973/4	Method Blank	T	Water	8260B/CA_LUFT	
720-32151-10	SB-01-GW	T	Water	8260B/CA_LUFT	
720-32151-11	SB-02-GW	T	Water	8260B/CA_LUFT	
Analysis Batch:720-82974					
LCS 720-82974/8	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-82974/9	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-82974/5	Method Blank	T	Water	8260B/CA_LUFT	
720-32151-10	SB-01-GW	T	Water	8260B/CA_LUFT	
Prep Batch: 720-82982					
LCS 720-82982/2-A	Lab Control Sample	T	Solid	5030B	
LCS 720-82982/4-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-82982/3-A	Lab Control Sample Duplicate	T	Solid	5030B	
LCSD 720-82982/5-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-82982/1-A	Method Blank	T	Solid	5030B	
720-32151-4	SB-01 @ 17'	T	Solid	5030B	
720-32151-8	SB-02 @ 15'	T	Solid	5030B	

Report Basis

T = Total

Client: Stantec Consulting Corp. Job Number: 720-32151-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-82871					
LCS 720-82914/2-A	Lab Control Sample	T	Solid	8015B	720-82914
LCSD 720-82914/3-A	Lab Control Sample Duplicate	T	Solid	8015B	720-82914
MB 720-82914/1-A	Method Blank	T	Solid	8015B	720-82914
Prep Batch: 720-82914					
LCS 720-82914/2-A	Lab Control Sample	T	Solid	3550B	
LCSD 720-82914/3-A	Lab Control Sample Duplicate	T	Solid	3550B	
MB 720-82914/1-A	Method Blank	T	Solid	3550B	
720-32151-4	SB-01 @ 17'	T	Solid	3550B	
720-32151-8	SB-02 @ 15'	T	Solid	3550B	
Prep Batch: 720-82921					
LCS 720-82921/2-A	Lab Control Sample	T	Water	3510C	
LCSD 720-82921/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 720-82921/1-A	Method Blank	T	Water	3510C	
720-32151-10	SB-01-GW	T	Water	3510C	
720-32151-11	SB-02-GW	T	Water	3510C	
Analysis Batch:720-82970					
LCS 720-82921/2-A	Lab Control Sample	T	Water	8015B	720-82921
LCSD 720-82921/3-A	Lab Control Sample Duplicate	T	Water	8015B	720-82921
MB 720-82921/1-A	Method Blank	T	Water	8015B	720-82921
720-32151-10	SB-01-GW	T	Water	8015B	720-82921
720-32151-11	SB-02-GW	T	Water	8015B	720-82921
Analysis Batch:720-82984					
720-32151-4	SB-01 @ 17'	T	Solid	8015B	720-82914
720-32151-8	SB-02 @ 15'	T	Solid	8015B	720-82914

Report Basis

T = Total

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Method Blank - Batch: 720-82982

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-82982/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/08/2010 1917
Date Prepared: 12/08/2010 1700

Analysis Batch: 720-82947
Prep Batch: 720-82982
Units: ug/Kg

Instrument ID: CHMSV2
Lab File ID: 12081025.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		10
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		5.0
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Ethylbenzene	ND		5.0
Hexachlorobutadiene	ND		5.0
2-Hexanone	ND		50
Isopropylbenzene	ND		5.0
4-Isopropyltoluene	ND		5.0

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Method Blank - Batch: 720-82982

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-82982/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/08/2010 1917
Date Prepared: 12/08/2010 1700

Analysis Batch: 720-82947
Prep Batch: 720-82982
Units: ug/Kg

Instrument ID: CHMSV2
Lab File ID: 12081025.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		10
N-Propylbenzene	ND		5.0
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		50
Vinyl chloride	ND		5.0
m-Xylene & p-Xylene	ND		5.0
o-Xylene	ND		5.0
Xylenes, Total	ND		10
2,2-Dichloropropane	ND		5.0
Gasoline Range Organics (GRO)-C5-C12	ND		250
TBA	ND		10
Ethanol	ND		500
DIPE	ND		5.0
TAME	ND		5.0
Ethyl t-butyl ether	ND		5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	96	45 - 131
1,2-Dichloroethane-d4 (Surr)	97	60 - 140
Toluene-d8 (Surr)	102	58 - 140

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-82982

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-82982/2-A	Analysis Batch:	720-82947	Instrument ID:	CHMSV2
Client Matrix:	Solid	Prep Batch:	720-82982	Lab File ID:	12081026.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	12/08/2010 1948			Final Weight/Volume:	10 mL
Date Prepared:	12/08/2010 1700				

LCSD Lab Sample ID:	LCSD 720-82982/3-A	Analysis Batch:	720-82947	Instrument ID:	CHMSV2
Client Matrix:	Solid	Prep Batch:	720-82982	Lab File ID:	12081027.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	12/08/2010 2018			Final Weight/Volume:	10 mL
Date Prepared:	12/08/2010 1700				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	105	103	71 - 144	2	20		
Acetone	112	104	30 - 162	7	30		
Benzene	102	102	82 - 124	0	20		
Dichlorobromomethane	101	99	90 - 130	2	20		
Bromobenzene	102	102	86 - 112	0	20		
Chlorobromomethane	98	98	81 - 116	1	20		
Bromoform	107	105	59 - 158	2	20		
Bromomethane	94	96	71 - 136	2	20		
2-Butanone (MEK)	102	96	61 - 150	7	20		
n-Butylbenzene	108	108	80 - 142	0	20		
sec-Butylbenzene	105	105	85 - 136	0	20		
tert-Butylbenzene	108	108	71 - 130	0	20		
Carbon disulfide	82	84	60 - 136	2	20		
Carbon tetrachloride	96	96	81 - 138	0	20		
Chlorobenzene	102	102	87 - 113	1	20		
Chloroethane	96	98	69 - 141	2	20		
Chloroform	96	96	77 - 127	0	20		
Chloromethane	91	95	60 - 149	3	20		
2-Chlorotoluene	105	106	80 - 138	0	20		
4-Chlorotoluene	105	104	79 - 136	0	20		
Chlorodibromomethane	100	100	75 - 146	1	20		
1,2-Dichlorobenzene	102	101	84 - 130	1	20		
1,3-Dichlorobenzene	104	103	84 - 131	1	20		
1,4-Dichlorobenzene	101	101	85 - 125	0	20		
1,3-Dichloropropane	101	100	79 - 140	1	20		
1,1-Dichloropropene	102	102	70 - 130	1	20		
1,2-Dibromo-3-Chloropropane	112	105	68 - 145	7	20		
Ethylene Dibromide	103	102	79 - 140	2	20		
Dibromomethane	100	98	80 - 139	2	20		
Dichlorodifluoromethane	87	88	37 - 158	2	20		
1,1-Dichloroethane	97	97	85 - 124	0	20		
1,2-Dichloroethane	90	89	74 - 125	2	20		
1,1-Dichloroethene	94	96	84 - 120	2	20		

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-82982

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-82982/2-A	Analysis Batch:	720-82947	Instrument ID:	CHMSV2
Client Matrix:	Solid	Prep Batch:	720-82982	Lab File ID:	12081026.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	12/08/2010 1948			Final Weight/Volume:	10 mL
Date Prepared:	12/08/2010 1700				

LCSD Lab Sample ID:	LCSD 720-82982/3-A	Analysis Batch:	720-82947	Instrument ID:	CHMSV2
Client Matrix:	Solid	Prep Batch:	720-82982	Lab File ID:	12081027.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	12/08/2010 2018			Final Weight/Volume:	10 mL
Date Prepared:	12/08/2010 1700				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
cis-1,2-Dichloroethene	108	108	91 - 131	0	20		
trans-1,2-Dichloroethene	87	88	80 - 118	1	20		
1,2-Dichloropropane	101	102	73 - 127	1	20		
cis-1,3-Dichloropropene	108	107	68 - 147	0	20		
trans-1,3-Dichloropropene	107	104	84 - 136	2	20		
Ethylbenzene	101	102	80 - 137	1	20		
Hexachlorobutadiene	94	95	72 - 132	1	20		
2-Hexanone	109	101	60 - 161	8	20		
Isopropylbenzene	106	107	82 - 121	1	20		
4-Isopropyltoluene	104	104	85 - 133	0	20		
Methylene Chloride	92	93	72 - 134	2	20		
4-Methyl-2-pentanone (MIBK)	106	100	69 - 160	6	20		
Naphthalene	111	108	70 - 147	3	20		
N-Propylbenzene	102	103	72 - 125	0	20		
Styrene	110	111	89 - 126	1	20		
1,1,1,2-Tetrachloroethane	99	98	90 - 130	1	20		
1,1,2,2-Tetrachloroethane	104	99	82 - 146	5	20		
Tetrachloroethene	102	102	78 - 132	0	20		
Toluene	102	102	83 - 128	0	20		
1,2,3-Trichlorobenzene	104	103	74 - 136	1	20		
1,2,4-Trichlorobenzene	102	101	70 - 131	1	20		
1,1,1-Trichloroethane	96	96	80 - 122	1	20		
1,1,2-Trichloroethane	103	102	82 - 125	1	20		
Trichloroethene	101	101	81 - 133	0	20		
Trichlorofluoromethane	100	102	71 - 139	1	20		
1,2,3-Trichloropropane	100	96	76 - 146	5	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	100	103	70 - 130	3	20		
1,2,4-Trimethylbenzene	110	110	84 - 130	0	20		
1,3,5-Trimethylbenzene	109	109	82 - 131	0	20		
Vinyl acetate	93	90	38 - 176	4	20		
Vinyl chloride	92	94	63 - 140	2	20		
m-Xylene & p-Xylene	102	102	79 - 146	0	20		
o-Xylene	102	103	84 - 140	0	20		

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-82982

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-82982/2-A	Analysis Batch:	720-82947	Instrument ID:	CHMSV2
Client Matrix:	Solid	Prep Batch:	720-82982	Lab File ID:	12081026.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	12/08/2010 1948			Final Weight/Volume:	10 mL
Date Prepared:	12/08/2010 1700				

LCSD Lab Sample ID:	LCSD 720-82982/3-A	Analysis Batch:	720-82947	Instrument ID:	CHMSV2
Client Matrix:	Solid	Prep Batch:	720-82982	Lab File ID:	12081027.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	12/08/2010 2018			Final Weight/Volume:	10 mL
Date Prepared:	12/08/2010 1700				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	100	101	73 - 162	1	20		
TBA	95	94	76 - 119	1	20		
Ethanol	93	103	49 - 162	10	20		
DIPE	102	102	83 - 131	1	20		
TAME	112	110	74 - 140	2	20		
Ethyl t-butyl ether	101	100	76 - 129	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	98	98	45 - 131
1,2-Dichloroethane-d4 (Surr)	93	92	60 - 140
Toluene-d8 (Surr)	104	104	58 - 140

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-82982

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-82982/4-A	Analysis Batch:	720-82947	Instrument ID:	CHMSV2
Client Matrix:	Solid	Prep Batch:	720-82982	Lab File ID:	12081028.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	12/08/2010 2049			Final Weight/Volume:	10 mL
Date Prepared:	12/08/2010 1700				

LCSD Lab Sample ID:	LCSD 720-82982/5-A	Analysis Batch:	720-82947	Instrument ID:	CHMSV2
Client Matrix:	Solid	Prep Batch:	720-82982	Lab File ID:	12081029.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	12/08/2010 2119			Final Weight/Volume:	10 mL
Date Prepared:	12/08/2010 1700				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	87	87	61 - 128	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	98	95	45 - 131
1,2-Dichloroethane-d4 (Surr)	95	93	60 - 140
Toluene-d8 (Surr)	105	103	58 - 140

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Method Blank - Batch: 720-82973

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-82973/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/09/2010 1018
Date Prepared: 12/09/2010 1018

Analysis Batch: 720-82973
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 12091004.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Method Blank - Batch: 720-82973

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID:	MB 720-82973/4	Analysis Batch:	720-82973	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	12091004.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/09/2010 1018			Final Weight/Volume:	10 mL
Date Prepared:	12/09/2010 1018				

Analyte	Result	Qual	RL
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		10
Vinyl chloride	ND		0.50
m-Xylene & p-Xylene	ND		1.0
o-Xylene	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
Ethanol	ND		250
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	95	67 - 130
1,2-Dichloroethane-d4 (Surr)	104	67 - 130
Toluene-d8 (Surr)	101	70 - 130

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-82973

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-82973/5	Analysis Batch:	720-82973	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	12091005.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/09/2010 1049			Final Weight/Volume:	10 mL
Date Prepared:	12/09/2010 1049				

LCSD Lab Sample ID:	LCSD 720-82973/6	Analysis Batch:	720-82973	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	12091006.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/09/2010 1119			Final Weight/Volume:	10 mL
Date Prepared:	12/09/2010 1119				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	107	108	62 - 130	1	20		
Acetone	109	105	50 - 147	5	30		
Benzene	105	105	82 - 127	0	20		
Dichlorobromomethane	110	109	70 - 130	1	20		
Bromobenzene	107	104	79 - 127	3	20		
Chlorobromomethane	102	101	70 - 130	1	20		
Bromoform	110	107	68 - 136	3	20		
Bromomethane	106	103	43 - 151	3	20		
2-Butanone (MEK)	96	91	56 - 135	5	20		
n-Butylbenzene	109	111	70 - 130	1	20		
sec-Butylbenzene	112	109	70 - 130	3	20		
tert-Butylbenzene	117	112	70 - 130	5	20		
Carbon disulfide	86	84	75 - 136	3	20		
Carbon tetrachloride	111	108	77 - 146	3	20		
Chlorobenzene	106	106	70 - 130	0	20		
Chloroethane	106	102	62 - 138	3	20		
Chloroform	106	104	70 - 130	2	20		
Chloromethane	100	98	52 - 175	2	20		
2-Chlorotoluene	113	110	70 - 130	3	20		
4-Chlorotoluene	110	108	70 - 130	2	20		
Chlorodibromomethane	106	106	78 - 145	0	20		
1,2-Dichlorobenzene	106	104	70 - 130	2	20		
1,3-Dichlorobenzene	107	106	70 - 130	0	20		
1,4-Dichlorobenzene	104	104	88 - 118	1	20		
1,3-Dichloropropane	103	102	82 - 128	0	20		
1,1-Dichloropropene	108	107	70 - 130	1	20		
1,2-Dibromo-3-Chloropropane	107	98	61 - 132	8	20		
Ethylene Dibromide	105	103	70 - 130	2	20		
Dibromomethane	103	102	70 - 130	1	20		
Dichlorodifluoromethane	95	91	33 - 125	3	20		
1,1-Dichloroethane	104	103	70 - 130	1	20		
1,2-Dichloroethane	101	99	70 - 126	2	20		
1,1-Dichloroethene	98	98	64 - 128	0	20		

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-82973

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-82973/5	Analysis Batch:	720-82973	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	12091005.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/09/2010 1049			Final Weight/Volume:	10 mL
Date Prepared:	12/09/2010 1049				

LCSD Lab Sample ID:	LCSD 720-82973/6	Analysis Batch:	720-82973	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	12091006.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/09/2010 1119			Final Weight/Volume:	10 mL
Date Prepared:	12/09/2010 1119				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
cis-1,2-Dichloroethene	117	116	70 - 130	1	20		
trans-1,2-Dichloroethene	90	90	75 - 131	0	20		
1,2-Dichloropropane	104	104	70 - 130	0	20		
cis-1,3-Dichloropropene	111	112	88 - 137	1	20		
trans-1,3-Dichloropropene	112	111	83 - 140	0	20		
Ethylbenzene	107	106	86 - 135	1	20		
Hexachlorobutadiene	102	103	70 - 130	1	20		
2-Hexanone	107	101	60 - 164	5	20		
Isopropylbenzene	113	112	70 - 130	1	20		
4-Isopropyltoluene	110	108	70 - 130	2	20		
Methylene Chloride	94	94	73 - 147	0	20		
4-Methyl-2-pentanone (MIBK)	105	99	63 - 165	5	20		
Naphthalene	109	105	78 - 122	3	20		
N-Propylbenzene	108	105	70 - 130	2	20		
Styrene	113	113	70 - 130	0	20		
1,1,1,2-Tetrachloroethane	106	105	70 - 130	2	20		
1,1,2,2-Tetrachloroethane	102	97	70 - 130	5	20		
Tetrachloroethene	106	107	70 - 130	1	20		
Toluene	106	105	83 - 129	1	20		
1,2,3-Trichlorobenzene	104	107	70 - 130	2	20		
1,2,4-Trichlorobenzene	100	105	70 - 130	4	20		
1,1,1-Trichloroethane	112	107	70 - 130	4	20		
1,1,2-Trichloroethane	103	103	82 - 128	0	20		
Trichloroethene	106	106	70 - 130	0	20		
Trichlorofluoromethane	116	110	74 - 146	5	20		
1,2,3-Trichloropropane	103	96	70 - 130	7	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	106	107	42 - 162	1	20		
1,2,4-Trimethylbenzene	117	114	70 - 132	2	20		
1,3,5-Trimethylbenzene	117	114	70 - 130	3	20		
Vinyl acetate	90	89	37 - 134	1	20		
Vinyl chloride	104	101	65 - 156	3	20		
m-Xylene & p-Xylene	108	108	70 - 142	0	20		
o-Xylene	110	108	89 - 136	1	20		

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-82973

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-82973/5	Analysis Batch:	720-82973	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	12091005.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/09/2010 1049			Final Weight/Volume:	10 mL
Date Prepared:	12/09/2010 1049				

LCSD Lab Sample ID:	LCSD 720-82973/6	Analysis Batch:	720-82973	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	12091006.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/09/2010 1119			Final Weight/Volume:	10 mL
Date Prepared:	12/09/2010 1119				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	122	111	70 - 140	9	20		
TBA	102	102	82 - 116	0	20		
Ethanol	109	111	31 - 216	1	30		
DIPE	108	108	74 - 155	0	20		
TAME	113	114	79 - 129	1	20		
Ethyl t-butyl ether	106	106	70 - 130	0	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	98	67 - 130
1,2-Dichloroethane-d4 (Surr)	100	97	67 - 130
Toluene-d8 (Surr)	104	104	70 - 130

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-82973

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-82973/7	Analysis Batch:	720-82973	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	12091007.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/09/2010 1150			Final Weight/Volume:	10 mL
Date Prepared:	12/09/2010 1150				

LCSD Lab Sample ID:	LCSD 720-82973/8	Analysis Batch:	720-82973	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	12091008.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/09/2010 1220			Final Weight/Volume:	10 mL
Date Prepared:	12/09/2010 1220				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	82	83	62 - 117	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	99	67 - 130
1,2-Dichloroethane-d4 (Surr)	102	102	67 - 130
Toluene-d8 (Surr)	104	104	70 - 130

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Method Blank - Batch: 720-82974

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-82974/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/09/2010 1018
Date Prepared: 12/09/2010 1018

Analysis Batch: 720-82974
Prep Batch: N/A
Units: ug/L

Instrument ID: HP12
Lab File ID: 12091004.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	67 - 130
1,2-Dichloroethane-d4 (Surr)	106	67 - 130
Toluene-d8 (Surr)	99	70 - 130

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-82974

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-82974/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/09/2010 1145
Date Prepared: 12/09/2010 1145

Analysis Batch: 720-82974
Prep Batch: N/A
Units: ug/L

Instrument ID: HP12
Lab File ID: 12091007.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-82974/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/09/2010 1214
Date Prepared: 12/09/2010 1214

Analysis Batch: 720-82974
Prep Batch: N/A
Units: ug/L

Instrument ID: HP12
Lab File ID: 12091008.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	83	83	62 - 117	0	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	101	67 - 130
1,2-Dichloroethane-d4 (Surr)	110	109	67 - 130
Toluene-d8 (Surr)	101	100	70 - 130

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Method Blank - Batch: 720-82914

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-82914/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2010 0029
Date Prepared: 12/08/2010 1313

Analysis Batch: 720-82871
Prep Batch: 720-82914
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 1208105a_028.d
Initial Weight/Volume: 30.35 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99
Motor Oil Range Organics [C24-C36]	ND		49

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	93	31 - 114

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-82914

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-82914/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2010 0053
Date Prepared: 12/08/2010 1313

Analysis Batch: 720-82871
Prep Batch: 720-82914
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 1208105a_029.d
Initial Weight/Volume: 30.39 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-82914/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2010 0117
Date Prepared: 12/08/2010 1313

Analysis Batch: 720-82871
Prep Batch: 720-82914
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 1208105a_030.d
Initial Weight/Volume: 30.36 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	90	100	59 - 134	11	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	104	113	31 - 114

Client: Stantec Consulting Corp. Job Number: 720-32151-1

Method Blank - Batch: 720-82921

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-82921/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/09/2010 1054
Date Prepared: 12/08/2010 1338

Analysis Batch: 720-82970
Prep Batch: 720-82921
Units: ug/L

Instrument ID: CHDRO6
Lab File ID: FID1000010.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Motor Oil Range Organics [C24-C36]	ND		300

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	93	23 - 156

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-82921

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-82921/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/09/2010 1009
Date Prepared: 12/08/2010 1338

Analysis Batch: 720-82970
Prep Batch: 720-82921
Units: ug/L

Instrument ID: CHDRO6
Lab File ID: FID1000008.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-82921/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/09/2010 1031
Date Prepared: 12/08/2010 1338

Analysis Batch: 720-82970
Prep Batch: 720-82921
Units: ug/L

Instrument ID: CHDRO6
Lab File ID: FID1000009.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

		% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	94	98	40 - 150	4	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	84	82	23 - 156

128496

CHAIN OF CUSTODY FORM

720-32157

Stantec

25864-F-Business Center Dr., Redlands, CA 92374 (909)335-6116, Fax (909) 335-6120

12/14/2010

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Client Name/Address: Stantec, 25864-F Business Center Drive, Redlands, CA 92374	Project/PO Number: 185802329/San Lorenzo
Project Manager: Kristen Daly	Phone Number:909-335-6116
Email Address: Kristen.daly@stantec.com	Fax Number:909-335-6120
Sampler: Kenny Toro	

	Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: TPH full scan by EPA Method 8015m	Analysis Required: VOCs by 8260b	Special Instructions
1	SB-01 @ 5'	soil	plastic sleeve	1	12/7/10	0940	none			2.7°C
2	SB-01 @ 10'	soil		1	12/7/10	0945	none			
3	SB-01 @ 15'	soil		1	12/7/10	0950	none			
4	SB-01 @ 17'	soil		1	12/7/10	0955	none	X	X	
5	SB-01 @ 20'	soil		1	12/7/10	1000	none			
6	SB-02 @ 5'	soil		1	12/7/10	0900	none			
7	SB-02 @ 10'	soil		1	12/7/10	0905	none			
8	SB-02 @ 15'	soil		1	12/7/10	0913	none	X	X	
9	SB-02 @ 20'	soil		1	12/7/10	0917	none			
10	SB-01-GW	GW	3 voas 1 amber	4	12/7/10	1140	HCL none	X	X	
11	SB-02-GW	GW	3 VOAs 1 amber	4	12/7/10	1030	HCL none	X	X	

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Relinquished By:	Date/Time:	Received By:	Date/ Time:	Turnaround	Time: (Chec
Kenny Toro	12/7/10 1325	Ed Martinez	12-7-10 1325	same day	
Relinquished By: Ed Martinez	Date/Time: 12-7-10 1900	Received By: TASF	Date/Time: 12/7/10-1900	24 hours	5 days
				48 hours	normal
Relinquished By:	Date/Time:	Received in Lab By:	Date/ Time;	Sample Integrity: (Check)	
				intact	on ice

Note: By relinquishing samples, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Login Sample Receipt Check List

Client: Stantec Consulting Corp.

Job Number: 720-32151-1

Login Number: 32151

List Source: TestAmerica San Francisco

Creator: Hoang, Julie

List Number: 1

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