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**REPORT ON**

**RESULTS OF THE 2005 ENVIRONMENTAL  
MONITORING PROGRAM  
WHITE PASS AND YUKON ROUTE  
MAINTENANCE YARD, SKAGWAY, ALASKA**

Submitted to:

White Pass & Yukon Route  
P.O. Box 435  
Skagway, Alaska  
99840

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July 31, 2006

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July 31, 2006

White Pass & Yukon Route  
P.O. Box 435  
Skagway, Alaska  
99840

Attention: Mr. Gary Danielson, President

**RE: DRAFT RESULTS OF THE 2005 ADDITIONAL INVESTIGATION AND ENVIRONMENTAL MONITORING PROGRAM, WHITE PASS AND YUKON ROUTE MAINTENANCE YARD, SKAGWAY, ALASKA**

Dear Mr. Danielson:

This draft letter report describes the results of environmental monitoring conducted in 2005 at the White Pass and Yukon Route Maintenance Yard, henceforth referred to as the “Shops” or the “Site”. As per our July 20, 2005 letter entitled “*Current Status and 2005 Work Plan for White Pass and Yukon Route Maintenance Yard (Shops), Skagway, Alaska*”, the work conducted in 2005 included one full round of groundwater monitoring, and one partial round (reduced number of wells) of groundwater monitoring, and a soil sampling program.

**1.0 SCOPE OF WORK**

**1.1 May 2005 Groundwater Monitoring**

A full round of monitoring was conducted in May 2005 (*i.e.*, all accessible wells not containing free product). The groundwater wells sampled are listed in Table 1 and the locations of monitoring wells and air sparging (AS) wells are shown on Figure 1. Groundwater samples were analyzed for gasoline range organics (GRO), diesel range organics (DRO), residual range organics (RRO) and volatile organic compounds (VOCs) by North Creek Analytical Laboratory (NCA) of Portland, Oregon. Three field duplicate samples of groundwater were collected and analyzed for quality control purposes.



The AS wells are constructed with short screens completed roughly 50 feet below ground surface. The AS wells were intended primarily for groundwater remediation, and not for groundwater monitoring. While the AS wells may be slightly deeper than optimal for monitoring of the chlorinated solvent plume, sampling of these wells in 2004 and 2005 was conducted to provide additional information along the south property boundary. Groundwater from MW97-3 was not analyzed for chemical parameters since it has historically contained separate-phase product above the water table.

## **1.2 October 2005 Groundwater Monitoring**

The Fall 2005 field program was conducted in October and consisted of the collection of groundwater samples from a reduced number of monitoring wells. A reduction in the scope was justified based on several years of data that indicated relatively low or non-detect concentrations in wells where the sampling scope was reduced to annual sampling. Groundwater samples from 16 representative groundwater monitoring wells were collected and analyzed for VOCs, and groundwater samples from seven key monitoring wells were collected and analyzed for GRO, DRO and RRO. A summary of the sampling and analysis program is provided in Table 1. Two field duplicate samples of groundwater were also collected and analyzed for quality control purposes.

## **1.3 Soil Quality Monitoring**

The soil quality monitoring was conducted in August 2005 and consisted of the excavation of seven test pits at the locations shown in Figure 2. The objective of the test pit program was to evaluate shallow soil quality to the southwest of the large concrete foundation of the former roundhouse (*i.e.* southwest of the limit of the remedial excavation conducted in 1998). One test pit was also excavated to investigate soil quality in the area of MW98-1, since statistical analysis of groundwater concentrations measured in this well has suggested that the trichloroethene (TCE) concentrations may be increasing with time at this location.

One soil sample from each test pit was submitted to NCA Laboratory for chemical analysis of GRO, DRO and RRO. Three of the soil samples were additionally analyzed for volatile organic compounds (*i.e.*, USEPA Method 8260). The rationale for selection of soil samples for analyses is provided in Section 3.5.2.

## **2.0 METHODOLGY**

### **2.1 Groundwater Monitoring**

During the groundwater monitoring programs, groundwater samples were collected using standard Golder procedures, which have been employed for the duration of the monitoring effort at the Site and are generally consistent with ADEC guidance. At most wells, the depth to groundwater was initially measured, using a water level meter, in order to calculate the volume of water in the well. In the case of the AS wells, it was not possible to use a water level meter since a piping system is still in place in these wells. As such, the volume of water in the AS wells was estimated based on the groundwater level in adjacent wells and on installation records.

A peristaltic pump was used to remove water from each well, with 1/4 in. diameter high density polyethylene (HDPE) tubing lowered to the approximate midpoint of each well screen. Approximately three well volumes were removed with the pump set at a moderate flow rate of less than 0.5 litres per minute (Lpm). Physical parameters consisting of pH, temperature and conductivity were monitored in real time as water was pumped through a flow-through cell. Once three well volumes were removed, or the parameters had stabilized (*i.e.*, changes in pH, temperature and conductivity measurements between three successive readings were less than ten percent), samples were collected in pre-cleaned containers supplied by NCA. The collected samples were stored in coolers with ice and shipped to NCA under standard Golder Chain-of-Custody procedures. During monitoring, the depth to the water table and the thickness of light non aqueous phase liquid (LNAPL), if present, were also obtained at well locations.

### **2.2 Soil Quality Monitoring**

During the field program conducted on August 26, 2005, seven test pits were excavated using a backhoe (Figure 2). Test pits were completed to a maximum depth of 10.5 feet below ground surface, with the exception of test pit TP05-6, which was completed to a depth of 8.5 feet, due site constraints and the presence of an abandoned fuel line (an intact 8 inch diameter cast iron pipe) at approximately 1 foot below grade.

The Golder field engineer, Ms. Linda Kemp, monitored the excavation activities, logged and recorded the soil conditions at test pits, and noted any visual or olfactory evidence of potential contamination. At each test pit, one discrete soil sample was collected from each depth interval of interest. The soil samples were generally obtained over 1.5 to 3 foot depth intervals. Each soil sample was split into two parts: 1) one sub-sample was field tested for organic vapour concentration, to provide a qualitative indication of volatile or semi-volatile organic contamination; 2) the second sub-sample was submitted to the analytical laboratory for possible chemical analysis.

Organic vapour concentrations for soil samples were assessed using the dry headspace technique, whereby a sample jar is half-filled with soil, shaken, and let stand for five minutes. The air from the sample jar headspace is then drawn through the air monitor. All concentrations of organic vapours were measured using a Photovac Model 2020 Photoionization Detector (PID), utilizing a 10.6eV ionizing lamp. The instrument was calibrated to 100 parts per million (ppm) isobutylene gas.

During the investigation, all samples were observed for visual and olfactory signs of possible contamination. Soil samples from each borehole location were placed in pre-cleaned and labelled laboratory-supplied glass jars for subsequent chemical analysis. Sample jars were placed in coolers prior to shipment to the analytical laboratory. Cold packs were also placed in the coolers to maintain low temperatures during shipment.

### **3.0 RESULTS**

#### **3.1 Groundwater Monitoring**

##### **3.1.1 Groundwater Elevations**

Groundwater elevations in accessible groundwater monitoring wells were measured during the 2005 monitoring events and are shown in Table 2 and on Figures 3 and 4. The elevations shown on Figures 3 and 4 are of the shallow well installations only. Based on the elevations, the groundwater flow direction during both monitoring programs is inferred to be to the south, approximately parallel to the Skagway River.

During the May 2005 monitoring event, the horizontal hydraulic gradient in the shallow aquifer is estimated to have been approximately 0.009 ft./ft. Assuming an effective porosity of 0.3, and a hydraulic conductivity of  $6.6 \times 10^{-2}$  ft./s (determined using the Hazen method as discussed in our previous report dated October 30, 2003 entitled, "*Cleanup Corrective Action, White Pass and Yukon Route Maintenance Yard, Skagway Alaska*") the average linear groundwater seepage velocity is estimated to have been approximately 170 ft./day. Vertical hydraulic gradients, as measured at three monitoring well pairs during the May 2005 monitoring event, ranged between approximately 0.02 and 0.09 ft./ft. downward.

During the October 2005 monitoring event, the horizontal hydraulic gradient in the shallow aquifer is estimated to have been approximately 0.008 ft./ft., which yields an estimated average linear groundwater seepage velocity of approximately 150 ft./day. Vertical hydraulic gradients, as measured at three monitoring well pairs during the October 2005 monitoring event, ranged between approximately 0.02 and 0.10 ft./ft. downward.

The average groundwater elevations measured during the May 2005 monitoring event were approximately 0.4 feet higher than those measured in October 2005. This is consistent with historical groundwater elevation data which indicates that groundwater elevations are generally higher in the spring than in the fall (*i.e.*, consistent with Skagway River elevations).

### **3.2 Product in MW97-3**

During the 2005 groundwater monitoring events, a disposable bailer was used to determine if product was present in well MW97-3. The bailer was lowered to the water table, without allowing it to become fully submerged, in order to collect a sample that included separate-phase product. On May 21, 2005 product was observed in MW97-3, and was estimated to be roughly 0.3 inches thick. On October 27, 2005 product was again observed in MW97-3, and was estimated to be roughly 0.5 inches thick. The product was dark brown in color and had an odor resembling diesel fuel.

### **3.3 Groundwater**

The results of the 2005 groundwater testing at the Shops are shown in Table 3, alongside historical data in order to assess the change in concentrations over time. Analytical reports are provided in Appendix I. The concentrations of TCE and DRO in groundwater in samples collected during the 2005 monitoring events are presented in Figures 5 and 6, respectively. The historical changes of TCE and DRO concentrations in downgradient wells with time are shown in Figures 7 and 8.

Groundwater samples collected during the 2005 monitoring events from down-gradient, off-site wells MW-1HC (deep well installation), MW-1AHC (shallow well installation), and MW-4HC were below the Alaska Department of Environmental Conservation (ADEC) Groundwater Cleanup Levels for the parameters analyzed. Detectable concentrations of cis-1,2-Dichloroethene (DCE) and TCE were present in the off-site wells. The maximum TCE concentration in the off-site wells was 0.0031 mg/L measured in the sample collected from MW-1HC (deep well), during the October 2005 monitoring event.

Groundwater samples collected from on-site monitoring wells MW-2HC, MW97-2, MW97-6M, MW98-1 and MW00-34 exceeded the ADEC cleanup level for TCE (0.005 mg/L). The highest concentration of TCE was measured in the sample collected from MW98-1, in October 2005, with a concentration of 0.044 mg/L. Groundwater samples collected from the other on-Site wells had concentrations below the ADEC cleanup levels for TCE. Groundwater samples collected from on-Site monitoring wells

MW97-1 and MW00-35 also exceeded the ADEC cleanup level for DRO (1.50 mg/L), and groundwater in MW97-3 is inferred to exceed the ADEC cleanup level for DRO, based on the presence of the free-phase product (discussed in Section 3.2). The groundwater sample collected from MW00-35 also exceeded the ADEC cleanup levels for benzene and vinyl chloride. Groundwater samples collected from the other on-Site monitoring wells had concentrations below the ADEC cleanup levels for the other parameters analyzed.

During the 2005 monitoring events, groundwater samples were also collected from six of the twelve AS wells (AS-2, 4, 6, 8, 10 and 12) in order to assess the potential for off-site migration of the TCE plume. As noted above, the AS wells were designed for the remediation of groundwater with well screens that may be slightly deeper than optimal for plume monitoring. Groundwater samples collected from AS wells AS-2, AS-4, and AS-6 exceeded the ADEC cleanup level for TCE. The highest concentration of TCE was measured in the sample collected from AS-2, in May 2005, with a concentration of 0.011 mg/L. Groundwater samples collected from the six AS wells had concentrations below the ADEC cleanup levels for the other parameters analyzed.

### **3.4 Quality Assurance/Quality Control**

As part of the May 2005 groundwater monitoring event, duplicate groundwater samples were collected from monitoring wells MW97-6M, MW98-1, and MW00-35 for quality assurance and quality control (QA/QC) purposes. Duplicate groundwater samples were also collected during the October 2005 monitoring event, from monitoring wells MW97-1 and MW97-2. The results of the duplicate sample analyses are shown in Table 4 along with the calculated relative percent differences (RPDs). For four of the five duplicate sample pairs, the calculated RPD values were well below the acceptable limit of 20% for groundwater. For the duplicate groundwater sample pair collected from MW97-1 (October 2005), the RPD for the DRO analyses was 33%. It is possible that the variability between these two sample results was due to the potential presence of a small petroleum hydrocarbon globule in one of the samples, as the RPD for the remaining (and more soluble) parameters were within the acceptable limits.

### **3.5 Soil Quality Monitoring**

#### **3.5.1 Soil Stratigraphy**

During the August 26, 2005 test pitting program, the soil stratigraphy encountered consisted of the following:

- Topsoil covered in grass or gravel from surface to approximately 0.5 feet below grade;

- Dry to moist, brown, fine-grained sand fill, with cobbles, from approximately 0.5 feet to 5 feet below grade. The sand fill unit was not observed at test pit TP05-7; trace refuse (*i.e.*, metal, concrete and wood) was observed within the sand fill unit in TP05-3, TP05-5, and TP05-6; and burnt remains likely from the former roundhouse were observed above the sand fill unit at TP05-4;
- Native, brown, sandy gravel with cobbles was observed below the sand fill unit; grey staining and hydrocarbon odours were observed near the bottom of the sandy gravel at test pits TP05-2 and TP05-7;
- The water table was observed in TP05-7 at approximately 10 feet below grade; wet soils were observed in the bottom of test pits TP05-2 and TP05-4; and,
- A layer of dark brown to black stained cobbles, with no odour, were observed at 8 feet below grade in TP05-6.

Test pit logs are provided in Table 5, and photographs are provided in Appendix II.

### 3.5.2 Chemical Analysis Results

One soil sample from each of the test pits was selected for chemical analysis based on field screening of organic vapour concentrations and visual or olfactory indications of possible contamination. Organic vapour concentrations measured during the field program are shown in Table 5, and ranged from 0.3 ppm (collected from TP05-2) to 283 ppm (collected from TP05-7).

The results of chemical analyses are compared to the ADEC Soil Cleanup Levels for the "Under 40 inch Zone", and are shown in Table 6. Analytical reports are provided in Appendix I. The cleanup levels shown in Table 6 are the most stringent of the "Migration to Groundwater", "Ingestion", and "Inhalation" pathways. For the parameters analyzed, the most stringent cleanup levels were for the "Migration to Groundwater" pathway.

Soil samples collected from four of the seven test pits had concentrations of at least one parameter that was higher than the ADEC cleanup level, as follows:

- In test pit TP05-1, the soil sample collected from 9.1 feet below grade had a concentration of PCE that was 1.02 times the ADEC cleanup level;
- In test pit TP05-2, the soil sample collected from 9.8 feet below grade had a concentration of DRO that was 11 times the ADEC cleanup level;



- In test pit TP05-3 the soil sample collected from 5.9 feet below grade had a concentration of benzene that was 3.8 times the ADEC cleanup level; and,
- In test pit TP05-7, the soil sample collected from 8.2 feet below grade had a concentration of DRO that was 6.4 times the ADEC cleanup level.

Figure 9 provides a summary of the analytical results of the 2005 test pitting program.

#### **4.0 STATISTICAL TREND ANALYSIS**

The groundwater chemistry provides a means to assess water quality trends for the same point in an aquifer through time. However, the chemistry results are subject to variability because of factors other than real changes occurring in the contaminant plume. Such factors may include, for example, subtle changes in sample acquisition techniques or laboratory protocols, variation caused by seasonal or other cycles, and correlated data that can occur when successive data are collected over a relatively short period of time. The consequent variability must be addressed and/or accounted for in order to establish significant or real trends in aquifer conditions.

Statistical analysis was performed on the collective chemistry data set of TCE and DRO concentrations in groundwater between January 1999 and October 2005. This data set represents the groundwater chemistry data collected by Golder since the remedial excavation was conducted at the Site during the Fall of 1998. The statistical method selected for the analysis was the Mann-Kendall test, which is commonly used to evaluate potential long-term trends in concentrations. This non-parametric test for trend is considered to test the null hypothesis of no trend, versus the alternative hypothesis of a significant trend. This test uses the relative magnitudes of the data (*i.e.*, increase or decrease in concentration), as opposed to using actual concentrations. For results reported as being below the laboratory detection limits, half of the detection limit was used for the test. For samples where a field duplicate was collected, the average of the two values was used. Statistical analysis was not conducted for wells where the concentrations in groundwater were typically below laboratory detection limits.

The results of the statistical Mann-Kendall test for trend in TCE concentrations are presented in Table 7 and on Figure 10, and the results for DRO concentrations are presented in Table 8. For this assessment, the ten percent significance level was selected to infer a significant trend or, in other words, there should be less than a ten percent chance that the statistical inference of trend is incorrect. The following specific criteria were used to interpret the results:

- Locations where the probability (p) was less than or equal to ten percent and the test statistic (S) was less than zero were indicated to define a decreasing concentration trend;
- Locations where the probability (p) was less than or equal to ten percent and the test statistic (S) was greater than zero were indicated to define an increasing concentration trend;
- Locations where the probability (p) was greater than ten percent and the test statistic (S) was less than zero, and the coefficient of variance (COV) was less than one were indicated to define a stable concentration; and,
- Locations where the probability (p) was greater than ten percent and the test statistic (S) was greater than zero were indicated to indicate no trend in concentration.

As shown in Table 7 and on Figure 10, five locations (MW-1AHC, MW97-6M, MW97-7D, MW-3HC and MW00-33) were determined to have a downward trend of TCE concentrations in groundwater; one location (MW98-1) was determined to have an increasing trend of TCE concentrations in groundwater, seven locations were determined to have stable concentrations of TCE in groundwater, and five locations were determined to have no significant trends of TCE concentrations in groundwater. Four of the five wells where no significant trends were identified were AS wells, where limited historical data is available.

As shown in Table 8, groundwater at MW97-1 was determined to have a downward trend of DRO concentrations in groundwater, and groundwater at MW00-35 was determined to have a stable concentration of DRO in groundwater. Trend analysis for DRO was only conducted for wells where the concentrations of DRO were detected during the 2005 groundwater monitoring.

To further evaluate the apparent upward trend in TCE concentration at MW98-1, a comparison of groundwater elevations to TCE concentrations in MW98-1 is presented in Figure 11. As shown, there appears to be a potential inverse relationship between the TCE concentration and groundwater elevation at MW98-1, such that the TCE concentrations are generally highest when the groundwater elevations are lowest. Based on the Mann-Kendall test for trend conducted on the measured groundwater elevation in MW98-1, there has been a decreasing trend in groundwater elevation since Fall 1998<sup>1</sup>.

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<sup>1</sup> With a 6% probability of no trend.

## 5.0 DISCUSSION AND RECOMMENDATIONS

### 5.1 Groundwater Monitoring

#### 5.1.1 TCE in Groundwater

The 2005 monitoring indicated that the TCE groundwater concentrations in off-site wells were below the ADEC cleanup level, as they had been during previous monitoring in 2005. As shown in Figure 7, and based on the results of the Mann-Kendall test for trend (Figure 10), the concentrations of TCE in off-site wells are either decreasing (*i.e.*, MW-1AHC) or showed no significant changes over time (*i.e.*, MW-1HC and MW-4HC) since the remedial excavation was conducted in Fall 1998. On-Site results mostly indicated that concentrations of TCE were either decreasing or showed no significant changes over time since the remedial excavation was completed. One exception to this was at MW98-1, where statistical analysis indicated that the concentration of TCE in groundwater has increased over time since Fall 1998. The TCE concentrations in this well appear to be inversely proportional to the groundwater elevation. The overall trend since Fall 1998 has been a decrease in the groundwater elevation, which may be the reason for the increase in TCE concentration in groundwater.

Information contained in our October 2003, "*Cleanup Corrective Action, White Pass and Yukon Route Maintenance Yard, Skagway Alaska*" report indicates that the area northeast (upgradient) of MW98-1 was once used as a former bunker and steam water disposal pit. In addition, information contained Tryck, Nyman & Hayes (TN&H) September 1987 report entitled "*Suspected Uncontrolled Hazardous Waste Site Inspections, White Pass and Yukon Railroad Maintenance Yard, Skagway Alaska AKD083354209*" indicated that solid waste (primarily scrap metal and paper) disposal activities were reported to have taken place at the Site in areas along the River bank to the northwest of the former roundhouse (*i.e.*, near MW98-1). This information is consistent with field observation made by Golder in August 2005, where buried metal debris, including heavy machinery parts, were identified in nearby excavation works that were being conducted to widen the Skagway River along the northwest Site boundary (refer to location of Dyke on Figure 1). Further investigation of the source and extent of contamination in this area is recommended. The program would consist of approximately six soil vapor probes near to and upgradient of MW98-1 to expand upon the soil vapor survey previously completed. Next, several test pits (likely three to four) could be excavated near to and upgradient of MW98-1. One or more test pits would be completed in the former bunker and steam water disposal pit area. Based on the results obtained, the need for downgradient groundwater monitoring will be assessed.

Of the samples collected from the AS wells, the highest TCE concentration in groundwater was measured in the sparge well located at the western end of the line of AS wells (AS-2), closest to MW98-1. The two other sparge wells for which the concentration of TCE in groundwater slightly exceeded the ADEC cleanup level were also located on the west end of the line of sparge wells. In these AS wells, the concentration of cis-1,2-Dichloroethene in groundwater was also elevated, suggesting that biotransformation and natural attenuation of the TCE plume is occurring.

#### 5.1.2 DRO in Groundwater

The historical concentrations of DRO in groundwater for five downgradient wells (MW-1HC, MW-1AHC, MW-2HC, MW97-1 and MW97-6) are shown in Figure 8. As shown in Figure 8, the DRO concentrations in groundwater at the off-site well MW-1AHC were relatively low in 2000, increased in 2001, and then have decreased since that time. The concentrations of DRO in groundwater at MW-1AHC have been below the laboratory detection limit during the past four monitoring events. The DRO concentrations in groundwater at the on-Site downgradient well MW97-1 were above the ADEC cleanup level on both monitoring events in 2005. However, based on the results of the Mann-Kendall test for trend, the concentrations of DRO in this location shows a decreasing trend in concentration since the remedial excavation was conducted in Fall 1998.

During the monitoring events in 2005, a thin product layer (approximately 0.3 to 0.5 inches thick) was measured in monitoring well MW97-3. Based on previous investigations by Golder, this product, which has odors resembling diesel fuel, does not contain TCE and is unlikely to represent a significant source for the TCE-impacted groundwater plume. The monitoring of the thickness of product in MW97-3 will be continued in 2006.

## 5.2 Test Pitting Investigation

The results of the test pitting program are summarized on Figure 9 and indicated soil concentrations above the ADEC Cleanup Levels in four locations. The ADEC Cleanup Levels that were exceeded are based on the "Migration to Groundwater" pathway. Groundwater adjacent to test pits TP05-1 and TP05-2 is characterized by the historical groundwater monitoring data at MW97-1, and groundwater adjacent to test pit TP05-7 is characterized by MW98-1. As there is no shallow groundwater well adjacent to TP05-3, it is recommended that the groundwater elevation at the downgradient former SVE well (SVE-1) be measured and if feasible, groundwater samples be collected from this location during the 2006 groundwater monitoring program. Since SVE-1 is relatively

close to TP05-3 (about 75 ft. away) there will not be opportunity for extensive downward migration of a possible plume emanating from this location (*i.e.*, due to downward hydraulic gradients), therefore sampling of groundwater from a shallow monitoring well (SVE-1) is considered appropriate.

## **6.0 LIMITATIONS AND USE OF REPORT**

This report has been prepared for the sole benefit of the White Pass and Yukon Route and is intended to provide an indication of soil and groundwater quality at the Site. This report may not be relied upon by any other person(s) or entity without the express written consent of Golder Associates Ltd. and the White Pass and Yukon Route. The inferences concerning the conditions of the Site contained in this report are based on information obtained during the environmental sampling program conducted by Golder personnel, and are based solely on conditions at the time of the sampling. Therefore, the potential remains for the presence of unknown, unidentified or unforeseen contamination in areas not inspected as part of this study.

Any uses that a third party makes of this report, or any reliance on decisions to be made based on it, are the responsibility of such third parties. Golder Associates Ltd accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

The findings and conclusions documented in this report have been prepared for the specific application to this project, the services performed as described in this report were conducted in a manner consistent with that level of care and skill normally exercised by other members of the engineering and science professions currently practicing under similar conditions, subject to the time limits and financial and physical constraints applicable to the services.

The content of this report is based on information collected during our environmental sampling, our present understanding of the Site, and our professional judgment in light of such information available at the time of this report. This report provides a professional opinion, and therefore no warranty is either expressed, implied or made as to the conclusions, advice and recommendations offered in this report. This report does not provide a legal opinion regarding compliance with applicable laws. With respect to regulatory compliance issues, it should be noted that regulatory statutes and the interpretation of regulatory statutes are subject to change.

## 7.0 CLOSURE

We trust that this report provides you the information you require at this time. Should you have any further questions or concerns, please do not hesitate to call Ian Hers at 604-296-4233.

Yours very truly,

### **GOLDER ASSOCIATES LTD.**

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**TABLE 1**  
**Groundwater Sampling and Analysis Program for 2005**  
**Maintenance Yard Shops, Skagway, AK**  
**White Pass & Yukon Route**

Monitoring Well Location	May 2005		October 2005	
	VOCs	GRO, DRO, and RRO	VOCs	GRO, DRO, and RRO
MW-1A <sup>HC</sup>	x	x	x	x
MW-1 <sup>HC</sup>	x	x	x	x
MW-2 <sup>HC</sup>	x	x	x	x
MW-3 <sup>HC</sup>	x	x		
MW-4 <sup>HC</sup>	x	x	x	x
MW97-1	x	x	x	x
MW97-2	x	x	x	x
MW97-6M	x	x	x	
MW97-6D	x	x		
MW97-7S	x	x		x
MW97-7M	x	x		
MW97-7D	x	x		
MW98-1	x	x	x	
MW98-2	x	x	x	
MW00-31	x	x		
MW00-32	x	x		
MW00-33	x	x	x	
MW00-34	x	x	x	
MW00-35	x	x	x	
AS-2	x	x	x	
AS-4	x	x	x	
AS-6	x	x	x	
AS-8	x	x		
AS-10	x	x		
AS-12	x	x	x	

**TABLE 2**  
**Water Level Elevations, May and October 2005**  
**Maintenance Yard Shops, Skagway, AK**  
**White Pass & Yukon Route**

Monitoring Well Location	TOC Elevation (ft) <sup>(2)</sup>	Depth to Bottom (ft) <sup>(4)</sup>	May 21, 2005		October 27 to 28, 2005	
			Depth to Water (ft) <sup>(3)</sup>	Water Table Elevation (ft)	Depth to Water (ft) <sup>(3)</sup>	Water Table Elevation (ft)
MW-1A <sup>HC</sup>	69.17	16	6.92	62.25	7.382	61.79
MW-1 <sup>HC</sup>	68.93	64	10.66	58.27	11.123	57.81
MW-2 <sup>HC</sup>	76.94	15	10.11	66.83	10.483	66.46
MW-3 <sup>HC</sup>	75.14	15	5.56	69.58	5.873	69.27
MW-4 <sup>HC</sup>	-	15	6.86	-	7.612	-
MW97-1	74.72	13	9.74	64.98	9.889	64.83
MW97-2	77.02	13	8.96	68.06	9.400	67.62
MW97-6M	76.80	30	10.40	66.40	10.762	66.04
MW97-6D	76.82	50	12.21	64.61	12.730	64.09
MW97-7S	74.24	13	9.25	64.99	9.436	64.80
MW97-7M	73.65	23	8.89	64.76	9.121	64.53
MW97-7D	73.61	47	9.10	64.51	9.384	64.23
MW98-1	76.64	22	8.79	67.85	9.515	67.13
MW98-2	87.22	18	11.65	75.57	12.474	74.75
MW00-31	88.46	15	15.32	73.14	15.634	72.83
MW00-32	83.98	15	11.81	72.17	12.025	71.96
MW00-33	83.36	15	11.68	71.68	12.058	71.30
MW00-35	77.10	15	9.88	67.22	10.171	66.93

**Notes:**

1. 0.3 inch layer of product was detected at MW97-3 on May 21, 2005; 0.5 inch layer of product was detected at MW97-3 on Oct 27, 2005
2. TOC = Top of Well Casing
3. Depth to Water Measured from TOC
4. Approximate Depth to Bottom Measured from Grade



**TABLE 3**  
**Groundwater Analytical Results**  
**Maintenance Yard Shops, Skagway, AK**  
**White Pass Yukon Route**

Location	SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW-1AHC	MW-1AHC	MW-1AHC	MW-1AHC	MW-1AHC	MW-1A HC	MW-1A HC	MW-1A HC	MW-1AHC	MW-1AHC	MW-1AHC	MW-1AHC	MW-1AHC	MW-1AHC	
			0840-01 23-Aug-97 FDA	A9800524-14 29-Jul-98	A9900238-3 10-Jun-99	A9900715-1 24-Sep-99	A9900854-3 02-Nov-99	P005200-02 06-May-00	P0K0452-02 14-Nov-00	0862-01 28-Jun-01	0886-12 12-Oct-01	0903-01 19-Sep-02	8220-03 15-Sep-03	9029-04 29-May-04	041021-04 21-Oct-04	10842-12 21-May-05	11013-06 28-Oct-05
<b>BTEX</b>																	
Benzene		0.005	-	0.046	0.005	ND (0.001)	ND (0.001)	-	ND (0.0005)	0.000531	ND (0.0003)	0.000618	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene		0.7	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene		1.0	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total m,p,o)		10.0	-	0.001	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.0006)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)
<b>Petroleum Hydrocarbons</b>																	
Diesel Range Organics (DRO)		1.5	-	0.84	0.63	ND (0.1)	0.22	ND (0.250)	0.999	0.817	0.510	0.321	0.28	ND (0.320)	ND (0.435)	ND (0.370)	ND (0.417)
Gasoline Range Organics (GRO)		1.3*	-	0.187	ND (0.050)	ND (0.05)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)
Residual Range Organics (RRO)		1.1	-	-	ND (1)	ND (1.0)	ND (1.0)	ND (0.500)	-	-	-	-	-	ND (0.400)	ND (0.522)	ND (0.444)	ND (0.500)
<b>Volatile Organic Compounds (VOCs)</b>																	
Benzene		0.005	0.0343	0.041	0.0043	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000121)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane		3.65	0.0015	0.0021	0.0013	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000214)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene		0.007	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000151)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene		0.07	0.0067	0.011	0.0091	0.0016	0.0014	0.00313	0.0047	0.00791	0.00505	0.0086	0.00872	0.00317	0.00403	0.00441	0.00313
Ethylbenzene		0.7	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000143)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methylene Chloride		0.005	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Naphthalene		0.7	ND(0.0005)	0.006	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.002)	ND (0.000104)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene		0.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000154)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene (PCE)		0.005	0.0045	ND (0.0005)	ND (0.0005)	0.0013	0.0016	0.00191	ND (0.001)	ND (0.001)	ND (0.00027)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene		1.0	ND (0.0005)	0.0005	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000115)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,1-Trichloroethane (TCA)		0.2	ND(0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene (TCE)		0.005	0.0038	0.0014	0.0039	0.0032	0.0034	0.00543	0.00199	0.00293	0.00245	0.00222	0.00219	0.00202	0.00209	0.0022	0.00179
Vinyl Chloride		0.002	0.0007	0.0015	0.001	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00031)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Total Xylene [Calc.]		10.0	ND (0.0005)	ND (0.0005)	[ND (0.001)]	0.001	[ND (0.001)]	[ND (0.003)]	ND (0.003)	ND (0.003)	ND (0.000353)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)

**Notes:**

All concentrations are in milligrams per litre (mg/L).

ND (0.001) - Not detected at concentrations above laboratory reporting limit (LRL) shown in parentheses.

\*Based on estimated solubility.

1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.

2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J1123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).

3. Note that the groundwater sample collected from MW00-35 during the October 2005 sampling program was not analyzed for GRO, DRO, and RROs (as planned), due to an inadvertent omission on the Chain-of-Custody form.

**TABLE 3**  
**Groundwater Analytical Results**  
**Maintenance Yard Shops, Skagway, AK**  
**White Pass Yukon Route**

Location SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW-1HC	MW-1HC	MW-1HC	MW-1HC	MW-1HC	MW-1 HC	MW-1 HC	MW-1 HC	MW1 HC	MW-1 HC	MW-1HC	MW-1HC	MW-1HC	MW-1HC	MW-1HC	MW-1HC	
		0840-03 23-Aug-97	A9800524-15 29-Jul-98	A9900238-2 10-Jun-99 FDA	A9900715-2 24-Sep-99 FDA	A9900854-2 02-Nov-99	P005200-01 06-May-00	P005488-01 20-May-00 FDA	P0K0452-01 14-Nov-00	0862-02 28-Jun-01 FDA	0862-03 28-Jun-01 FD	0886-11 12-Oct-01	0903-02 19-Sep-02	8220-02 15-Sep-03	9029-03 28-May-04	041021-03 21-Oct-04	10842-11 21-May-05	11013-05 28-Oct-05
<b>BTEX</b>																		
Benzene	0.005	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0003)	0.000729	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	0.7	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	1.0	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total m,p,o)	10.0	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0006)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)
<b>Petroleum Hydrocarbons</b>																		
Diesel Range Organics (DRO)	1.5	-	ND (0.1)	0.15	ND (0.1)	0.11	-	ND (0.250)	0.321	ND (0.250)	ND (0.250)	ND (0.250)	ND (0.250)	ND (0.250)	ND (0.320)	ND (0.417)	ND (0.370)	ND (0.417)
Gasoline Range Organics (GRO)	1.3*	-	ND (0.05)	ND (0.050)	ND (0.05)	ND (0.05)	ND (0.08)	-	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)
Residual Range Organics (RRO)	1.1	-	-	ND (1)	ND (1.0)	ND (1.0)	-	ND (0.500)	-	-	-	-	-	-	ND (0.400)	ND (0.500)	ND (0.444)	ND (0.500)
<b>Volatile Organic Compounds (VOCs)</b>																		
Benzene	0.005	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000121)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	3.65	ND(0.0005)	ND (0.0005)	0.0005	ND (0.0005)	ND (0.0005)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000214)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	0.007	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000151)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	0.07	ND (0.0005)	ND (0.0005)	0.0034	0.0012	0.0008	0.00179	-	0.00273	0.00387	0.00374	0.0036	0.00432	0.00324	0.00121	0.00163	0.001	0.0015
Ethylbenzene	0.7	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000143)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methylene Chloride	0.005	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Naphthalene	0.7	ND(0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.000104)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	0.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000154)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene (PCE)	0.005	ND (0.0005)	0.0006	0.0014	0.0011	0.0009	0.00116	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00027)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	1.0	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000115)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,1-Trichloroethane (TCA)	0.2	ND(0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene (TCE)	0.005	ND(0.0005)	0.0008	0.0054	0.0029	0.0022	0.00471	-	0.00331	0.00505	0.00498	0.0056	0.00566	0.00725	0.00256	0.00348	0.00199	0.00311
Vinyl Chloride	0.002	ND(0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00031)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Total Xylene [Calc.]	10.0	ND (0.0005)	ND (0.0005)	[ND (0.001)]	ND (0.0005)	[ND (0.001)]	[ND (0.003)]	-	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.000353)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)

**Notes:**

All concentrations are in milligrams per litre (mg/L).

ND (0.001) - Not detected at concentrations above laboratory reporting limit (LRL) shown in parentheses.

\*Based on estimated solubility.

1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.

2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J11123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).

3. Note that the groundwater sample collected from MW00-35 during the October 2005 sampling program was not analyzed for GRO, DRO, and RROs (as planned), due to an inadvertent omission on the Chain-of-Custody form.

**TABLE 3**  
**Groundwater Analytical Results**  
**Maintenance Yard Shops, Skagway, AK**  
**White Pass Yukon Route**

Location	SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW-2HC	MW-2HC	MW-2HC	MW-2HC	MW-2HC	MW-2HC	MW-2HC	MW-2HC	MW-2HC	MW-2HC	MW-2HC	MW-2HC	MW-2HC	
			0839-02 06-Aug-97	A9800524-4 30-Jul-98	A9900271-10 15-Jun-99	A9900854-13 02-Nov-99	P005200-03 08-May-00	P0K0452-03 14-Nov-00	0862-05 28-Jun-01	0886-01 11-Oct-01	0903-12 20-Sep-02	8220-10 16-Sep-03	9029-09 01-Jun-04	041022-04 22-Oct-04	10841-06 21-May-05	11013-02 27-Oct-05
<b>BTEX</b>																
Benzene		<b>0.005</b>	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene		<b>0.7</b>	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene		<b>1.0</b>	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total m,p,o)		<b>10.0</b>	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.0006)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)
<b>Petroleum Hydrocarbons</b>																
Diesel Range Organics (DRO)		<b>1.5</b>	-	<b>3.2</b>	<b>2.34</b>	<b>11.8</b>	<b>2.46</b>	1.27	0.832	0.836	0.299	0.684	ND (0.320)	ND (0.435)	ND (0.357)	ND (0.500)
Gasoline Range Organics (GRO)		<b>1.3*</b>	-	0.056	ND (0.050)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)
Residual Range Organics (RRO)		<b>1.1</b>	-	-	ND (1)	<b>1.8</b>	ND (0.500)	-	-	-	-	-	ND (0.400)	ND (0.522)	ND (0.429)	ND (0.600)
<b>Volatile Organic Compounds (VOCs)</b>																
Benzene		<b>0.005</b>	0.0007	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000121)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane		<b>3.65</b>	0.0234	0.016	0.0018	0.0007	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000214)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene		<b>0.007</b>	ND (0.0005)	0.0016	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000151)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene		<b>0.07</b>	0.0271	0.038	0.027	0.0068	0.0283	0.0247	0.0375	0.0379	0.0349	0.0278	0.00751	0.0135	0.0105	0.0145
Ethylbenzene		<b>0.7</b>	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000143)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methylene Chloride		<b>0.005</b>	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Naphthalene		<b>0.7</b>	ND(0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.002)	ND (0.000104)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene		<b>0.1</b>	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000154)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene (PCE)		<b>0.005</b>	<b>0.0318</b>	<b>0.0068</b>	0.0027	0.0016	0.00201	0.00113	ND (0.001)	ND (0.00027)	ND (0.001)	ND (0.001)	0.00126	ND (0.001)	0.00139	ND (0.001)
Toluene		<b>1.0</b>	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000115)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,1-Trichloroethane (TCA)		<b>0.2</b>	0.0672	0.021	0.0011	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene (TCE)		<b>0.005</b>	<b>0.0585</b>	<b>0.027</b>	<b>0.023</b>	0.0016	<b>0.0244</b>	<b>0.00947</b>	<b>0.013</b>	<b>0.0117</b>	<b>0.0164</b>	<b>0.0159</b>	<b>0.00817</b>	<b>0.0133</b>	<b>0.0151</b>	<b>0.0136</b>
Vinyl Chloride		<b>0.002</b>	ND(0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00031)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Total Xylene [Calc.]		<b>10.0</b>	ND (0.0005)	ND (0.0005)	[ND (0.001)]	[ND (0.001)]	[ND (0.003)]	ND (0.003)	ND (0.003)	ND (0.000353)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)

**Notes:**

- All concentrations are in milligrams per litre (mg/L).
- ND (0.001) - Not detected at concentrations above laboratory reporting limit (LRL) shown in parentheses.
- \*Based on estimated solubility.
- 1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.
- 2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J1123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).
- 3. Note that the groundwater sample collected from MW00-35 during the October 2005 sampling program was not analyzed for GRO, DRO, and RROs (as planned), due to an inadvertent omission on the Chain-of-Custody form.

**TABLE 3  
Groundwater Analytical Results  
Maintenance Yard Shops, Skagway, AK  
White Pass Yukon Route**

Location SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW-3HC	MW-3HC	MW-3HC	MW-3HC	MW-3HC	MW-3HC	MW-3HC	MW-3HC	MW-3HC	MW-4HC	MW-4HC	MW-4HC	MW-4HC	MW-4HC	MW-4HC
		0839-01 06-Aug-97	A9800524-13 30-Jul-98	A9900238-6 10-Jun-99	A9900854-6 02-Nov-99	P005200-04 08-May-00	P0K0452-04 14-Nov-00	9030-03 02-Jun-04	041020-05 20-Oct-04	10842-09 20-May-05	0839-04 06-Aug-97	A9800524-16 29-Jul-98	A9900238-1 10-Jun-99	A9900854-1 02-Nov-99	P005200-05 06-May-00	0862-11 29-Jun-01
<b>BTEX</b>																
Benzene	0.005	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)
Ethylbenzene	0.7	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)
Toluene	1.0	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)
Xylene (total m,p,o)	10.0	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)
<b>Petroleum Hydrocarbons</b>																
Diesel Range Organics (DRO)	1.5	-	0.37	ND (0.1)	ND (0.1)	ND (0.250)	ND (0.250)	ND (0.320)	ND (0.417)	ND (0.370)	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.250)	ND (0.250)
Gasoline Range Organics (GRO)	1.3*	-	0.087	ND (0.050)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	-	ND (0.05)	ND (0.050)	ND (0.05)	ND (0.08)	ND (0.08)
Residual Range Organics (RRO)	1.1	-	-	ND (1)	ND (1.0)	ND (0.500)	-	ND (0.400)	ND (0.500)	ND (0.444)	-	-	ND (1)	ND (1.0)	ND (0.500)	-
<b>Volatile Organic Compounds (VOCs)</b>																
Benzene	0.005	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	0.0008	ND (0.0005)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	3.65	ND(0.0005)	0.002	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0006	0.0006	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	0.007	ND (0.0005)	0.013	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	0.07	0.0020	0.006	0.0088	0.0067	0.00668	0.00351	0.0011	ND (0.001)	0.0011	0.0011	0.0010	ND (0.0005)	0.0006	0.00112	0.00228
Ethylbenzene	0.7	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)
Methylene Chloride	0.005	ND (0.0005)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)
Naphthalene	0.7	ND(0.0005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND(0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.002)
Styrene	0.1	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)
Tetrachloroethene (PCE)	0.005	0.0460	0.12	0.014	0.015	0.00938	0.0134	0.00318	0.00294	0.003	0.0011	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)
Toluene	1.0	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)
1,1,1-Trichloroethane (TCA)	0.2	ND(0.0005)	0.11	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0005	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)
Trichloroethene (TCE)	0.005	0.0124	0.044	0.03	0.015	0.0183	0.0073	0.00179	ND (0.001)	0.00154	0.0124	0.0037	ND (0.0005)	0.0014	0.00235	0.00424
Vinyl Chloride	0.002	ND(0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND(0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)
Total Xylene [Calc.]	10.0	ND (0.0005)	ND (0.001)	[ND (0.001)]	[ND (0.001)]	[ND (0.003)]	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.0005)	ND (0.0005)	[ND (0.001)]	[ND (0.001)]	[ND (0.003)]	[ND (0.003)]

**Notes:**  
 All concentrations are in milligrams per litre (mg/L).  
 ND (0.001) - Not detected at concentrations above laboratory reporting limit (LRL) shown in parentheses.  
 \*Based on estimated solubility.  
 1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.  
 2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J11123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).  
 3. Note that the groundwater sample collected from MW00-35 during the October 2005 sampling program was not analyzed for GRO, DRO, and RROs (as planned), due to an inadvertent omission on the Chain-of-Custody form.

**TABLE 3  
Groundwater Analytical Results  
Maintenance Yard Shops, Skagway, AK  
White Pass Yukon Route**

Location SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW-4HC	MW-4HC	MW-4HC	MW-4HC	MW-4HC	MW-4HC	MW-4HC	MW-5HC	MW97-1	MW97-1	MW97-1	MW97-1	MW97-1	MW97-1	MW97-1
		0885-01 05-Oct-01	0903-03 19-Sep-02	8220-01 15-Sep-03	9029-01 28-May-04	041021-01 21-Oct-04	10842-10 20-May-05	11013-04 28-Oct-05	0839-03 06-Aug-97	A709046-01 06-Sep-97	A9800524-7 30-Jul-98	A9900271-7 15-Jun-99	A9900854-10 02-Nov-99	P005200-06 08-May-00	P0K0452-05 14-Nov-00	0862-04 28-Jun-01
<b>BTEX</b>																
Benzene	0.005	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	0.13	0.045	ND (0.001)	-	0.0148	0.00465
Ethylbenzene	0.7	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	0.27	0.2	ND (0.001)	-	0.0108	0.0476
Toluene	1.0	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	0.12	0.046	ND (0.001)	-	0.0981	0.0037
Xylene (total m,p,o)	10.0	ND (0.0006)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	-	-	0.750	0.58	ND (0.001)	-	0.141	0.0257
<b>Petroleum Hydrocarbons</b>																
Diesel Range Organics (DRO)	1.5	ND (0.125)	ND (0.250)	ND (0.250)	ND (0.320)	ND (0.435)	ND (0.357)	ND (0.417)	-	8.4	1.3	5.04	7.1	4.1	2.82	2.92
Gasoline Range Organics (GRO)	1.3*	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	-	-	3.4	1.8	1.45	0.664	1.36	0.464
Residual Range Organics (RRO)	1.1		-		ND (0.400)	ND (0.522)	ND (0.429)	ND (0.500)	-	-	-	ND (1)	1.0	ND (0.500)	-	-
<b>Volatile Organic Compounds (VOCs)</b>																
Benzene	0.005	ND (0.000121)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	0.430	0.17	0.044	0.032	0.0118	0.0113	0.00406
1,1-Dichloroethane	3.65	ND (0.000214)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND(0.0005)	ND (0.05)	0.0082	ND (0.005)	0.0015	ND (0.001)	ND (0.005)	ND (0.001)
1,1-Dichloroethene	0.007	ND (0.000151)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.05)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.001)	ND (0.005)	ND (0.001)
cis-1,2-Dichloroethene	0.07	0.00152	0.00118	0.00168	ND (0.001)	ND (0.001)	0.00131	ND (0.001)	ND (0.0005)	ND (0.03)	0.0056	0.016	0.0043	0.00803	ND (0.005)	0.00762
Ethylbenzene	0.7	ND (0.000143)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	0.450	0.280	0.26	0.11	0.134	0.103	0.0544
Methylene Chloride	0.005	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	0.022	ND (0.005)	ND (0.01)	ND (0.001)	ND (0.005)	ND (0.025)	ND (0.005)
Naphthalene	0.7	ND (0.000104)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND(0.0005)	0.051	0.030	0.038	0.022	0.0321	0.0221	0.00603
Styrene	0.1	ND (0.000154)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.03)	ND (0.0025)	0.0051	ND (0.0005)	ND (0.001)	ND (0.005)	ND (0.001)
Tetrachloroethene (PCE)	0.005	ND (0.00027)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.03)	ND (0.0025)	ND (0.005)	0.0008	ND (0.001)	ND (0.005)	ND (0.001)
Toluene	1.0	ND (0.000115)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	0.640	0.13	0.051	0.023	0.00697	0.00945	0.00329
1,1,1-Trichloroethane (TCA)	0.2	ND (0.0001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND(0.0005)	ND (0.05)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.001)	ND (0.005)	ND (0.001)
Trichloroethene (TCE)	0.005	0.00228	0.00227	0.00338	0.00211	0.00167	0.0026	0.00187	ND(0.0005)	ND (0.03)	ND (0.0025)	ND (0.005)	0.0019	0.00341	ND (0.005)	0.00458
Vinyl Chloride	0.002	ND (0.00031)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND(0.0005)	ND (0.02)	0.0037	0.015	0.0018	0.00924	ND (0.005)	0.00411
Total Xylene [Calc.]	10.0	ND (0.000353)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.0005)	[1.6]	0.770	[0.83]	[0.214]	[0.1948]	0.138	0.02686

**Notes:**  
 All concentrations are in milligrams per litre (mg/L).  
 ND (0.001) - Not detected at concentrations above laboratory reporting limit (LRL) shown in parentheses.  
 \*Based on estimated solubility.  
 1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.  
 2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J11123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).  
 3. Note that the groundwater sample collected from MW00-35 during the October 2005 sampling program was not analyzed for GRO, DRO, and RROs (as planned), due to an inadvertent omission on the Chain-of-Custody form.

**TABLE 3  
Groundwater Analytical Results  
Maintenance Yard Shops, Skagway, AK  
White Pass Yukon Route**

Location	SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW97-1	MW97-1	MW97-1	MW97-1	MW97-1	MW97-1	MW97-1	MW97-1	MW97-1	MW97-1	MW97-1	MW97-2	MW97-2	MW97-2	MW97-2	MW97-2
			0886-09 11-Oct-01 FDA	0886-10 11-Oct-01 FD	0905-02 20-Sep-02 FDA	0903-03 20-Sep-02 FD	8221-05 16-Sep-03 FDA	8221-06 16-Sep-03 FD	9030-06 03-Jun-04 FDA	9030-07 03-Jun-04 FD	041020-06 20-Oct-04 FDA	10844-04 24-May-05 FDA	11012-05 26-Oct-05 FDA	11012-06 26-Oct-05 FD	A709046-02 06-Sep-97 FDA	A9800524-11 30-Jul-98 FDA	A9900271-9 15-Jun-99 FDA	A9900854-17 02-Nov-99 FD
<b>BTEX</b>																		
Benzene	0.005	0.00568	0.00468	0.00156	0.00153	0.00239	0.00252	0.00261	0.0026	0.00115	0.00124	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	-
Ethylbenzene	0.7	0.0603	0.0568	0.0295	0.0274	0.0193	0.0201	0.0117	0.0125	0.00584	0.00506	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	-
Toluene	1.0	0.00584	0.00479	0.000828	0.000718	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	-
Xylene (total m,p,o)	10.0	0.0514	0.0384	0.00277	0.00234	0.00163	0.00193	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	-	ND (0.001)	ND (0.001)	ND (0.001)	-
<b>Petroleum Hydrocarbons</b>																		
Diesel Range Organics (DRO)	1.5	2.37	2.64	1.71	1.67	1.07	1.22	2.98	2.96	1.48	2.97	2.88	4.00	6.8	0.91	1.87	6.74	-
Gasoline Range Organics (GRO)	1.3*	1.47	1.19	0.322	0.295	0.315	0.34	ND (0.08)	ND (0.08)	0.0858	0.0836	ND (0.08)	ND (0.08)	-	0.051	0.06	0.071	0.238
Residual Range Organics (RRO)	1.1	-	-	-	-	-	-	3.57	ND (0.400)	ND (0.522)	ND (0.444)	ND (0.522)	0.580	-	-	7.5	24.2	-
<b>Volatile Organic Compounds (VOCs)</b>																		
Benzene	0.005	0.00294	0.00294	0.00104	0.00106	ND (0.001)	ND (0.001)	0.00208	0.00212	0.00115	0.00124	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)
1,1-Dichloroethane	3.65	ND (0.000214)	ND (0.000214)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	0.004	0.0009	ND (0.0005)	ND (0.001)
1,1-Dichloroethene	0.007	ND (0.000151)	ND (0.000151)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	0.0021	ND (0.0005)	ND (0.0005)	ND (0.001)
cis-1,2-Dichloroethene	0.07	0.00517	0.00528	0.00652	0.00651	0.00593	0.00703	0.00394	0.00425	0.00559	0.00463	0.00307	0.00312	0.0100	0.021	0.026	0.0073	0.0183
Ethylbenzene	0.7	0.0619	0.0604	0.0283	0.0288	0.0194	0.0188	0.0108	0.0111	0.00584	0.00506	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)
Methylene Chloride	0.005	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.005)
Naphthalene	0.7	0.0108	0.00963	0.00449	0.00463	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)
Styrene	0.1	ND (0.000154)	ND (0.000154)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)
Tetrachloroethene (PCE)	0.005	ND (0.00027)	ND (0.00027)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00207	0.00196	0.014	0.017	0.0057	0.011	0.0046
Toluene	1.0	0.00333	0.00313	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)
1,1,1-Trichloroethane (TCA)	0.2	ND (0.0001)	ND (0.0001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.021	0.025	0.0009	0.0006	ND (0.001)
Trichloroethene (TCE)	0.005	0.00163	0.00174	0.00211	0.00203	0.0012	0.00123	0.00193	0.00187	0.00125	0.00297	0.00223	0.00226	0.016	0.047	0.06	0.0048	0.0374
Vinyl Chloride	0.002	0.00226	0.00225	0.00426	0.00423	0.0043	0.00451	0.00143	0.00138	0.00149	0.0021	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)
Total Xylene [Calc.]	10.0	0.046	0.0381	ND (0.003)	0.00136	0.00458	0.0045	0.00154	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	[ND (0.002)]	ND (0.0005)	[ND (0.001)]	[ND (0.001)]	[ND (0.003)]

**Notes:**

All concentrations are in milligrams per litre (mg/L).

ND (0.001) - Not detected at concentrations above laboratory reporting limit (LRL) shown in parentheses.

\*Based on estimated solubility.

1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.

2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J1123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).

3. Note that the groundwater sample collected from MW00-35 during the October 2005 sampling program was not analyzed for GRO, DRO, and RROs (as planned), due to an inadvertent omission on the Chain-of-Custody form.

**TABLE 3**  
**Groundwater Analytical Results**  
**Maintenance Yard Shops, Skagway, AK**  
**White Pass Yukon Route**

Location SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW97-2	MW97-2	MW97-2	MW97-2	MW97-2	MW97-2	MW97-2	MW97-2	MW97-2	MW97-2	MW97-2	MW97-2	MW97-3	MW97-4	MW97-4
		P005488-03 20-May-00	P0K0452-06 14-Nov-00	0862-07 29-Jun-01	0885-08 08-Oct-01	0903-09 19-Sep-02	8220-09 16-Sep-03	9030-04 02-Jun-04	041022-05 22-Oct-04	041022-06 22-Oct-04	10841-10 23-May-05	11012-09 27-Oct-05	11012-10 27-Oct-05	A709046-03 06-Sep-97	A709046-04 06-Sep-97	A9800524-9 30-Jul-98
<b>BTEX</b>																
Benzene	0.005	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.001)
Ethylbenzene	0.7	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.001)
Toluene	1.0	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.001)
Xylene (total m,p,o)	10.0	-	ND (0.001)	ND (0.001)	ND (0.0006)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	-	-	ND (0.001)
<b>Petroleum Hydrocarbons</b>																
Diesel Range Organics (DRO)	1.5	3.02	0.327	0.474	0.368	0.441	ND (0.250)	0.508	ND (0.417)	ND (0.400)	ND (0.400)	ND (0.500)	ND (0.500)	3.1	1.8	0.74
Gasoline Range Organics (GRO)	1.3*	-	ND (0.08)	ND (0.08)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	-	-	ND (0.05)
Residual Range Organics (RRO)	1.1	12.3	-	-	-	-	-	0.956	ND (0.500)	ND (0.480)	ND (0.480)	ND (0.600)	ND (0.600)	-	-	-
<b>Volatile Organic Compounds (VOCs)</b>																
Benzene	0.005	-	ND (0.001)	ND (0.001)	ND (0.000121)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0058	ND (0.0005)
1,1-Dichloroethane	3.65	-	ND (0.001)	ND (0.001)	ND (0.000214)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.0005)
1,1-Dichloroethene	0.007	-	ND (0.001)	ND (0.001)	ND (0.000151)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	-	0.0152	0.0244	0.0197	0.0154	0.0157	0.00635	0.00902	0.00954	0.0121	0.0166	0.0163	ND (0.003)	0.066	0.0025
Ethylbenzene	0.7	-	ND (0.001)	ND (0.001)	ND (0.000143)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0035	ND (0.0005)
Methylene Chloride	0.005	-	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	0.012	0.0023	ND (0.001)
Naphthalene	0.7	-	ND (0.002)	ND (0.002)	ND (0.000104)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	0.011	ND (0.002)
Styrene	0.1	-	ND (0.001)	ND (0.001)	ND (0.000154)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.0005)
Tetrachloroethene (PCE)	0.005	-	0.00416	0.00375	0.00323	0.00335	0.00256	0.00183	0.00239	0.00248	0.00241	0.0026	0.00254	0.083	0.036	0.01
Toluene	1.0	-	ND (0.001)	ND (0.001)	ND (0.000115)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.015	ND (0.0005)
1,1,1-Trichloroethane (TCA)	0.2	-	ND (0.001)	ND (0.001)	ND (0.0001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.063	ND (0.005)	ND (0.0005)
Trichloroethene (TCE)	0.005	-	0.0185	0.0349	0.0255	0.0372	0.0303	0.0104	0.0163	0.0173	0.0209	0.0217	0.0217	0.019	0.013	0.012
Vinyl Chloride	0.002	-	ND (0.001)	ND (0.001)	ND (0.00031)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.002)	ND (0.0005)
Total Xylene [Calc.]	10.0	-	ND (0.003)	ND (0.003)	ND (0.000353)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	[ND (0.002)]	[0.113]	ND (0.0005)

**Notes:**  
 All concentrations are in milligrams per litre (mg/L).  
 ND (0.001) - Not detected at concentrations above laboratory reporting limit (LRL) shown in parentheses.  
 \*Based on estimated solubility.  
 1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.  
 2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J11123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).  
 3. Note that the groundwater sample collected from MW00-35 during the October 2005 sampling program was not analyzed for GRO, DRO, and RROs (as planned), due to an inadvertent omission on the Chain-of-Custody form.

**TABLE 3**  
**Groundwater Analytical Results**  
**Maintenance Yard Shops, Skagway, AK**  
**White Pass Yukon Route**

Location SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW97-5	MW97-5	MW97-5	MW97-5	MW97-5	MW97-6M	MW97-6M	MW97-6M	MW97-6M	MW97-6M	MW97-6M	MW97-6M	MW97-6M	MW97-6M	MW97-6M
		A709046-05 06-Sep-97 FDA	A9800524-8 30-Jul-98 FDA	A9900271-6 15-Jun-99	A9900854-15 02-Nov-99	P005200-08 05-May-00	A709046-07 06-Sep-97	A9800524-3 30-Jul-98	A9900271-11 15-Jun-99	A9900854-12 02-Nov-99	P005200-10 08-May-00	P0K0452-07 14-Nov-00	0862-06 29-Jun-01	0886-02 11-Oct-01	0903-10 20-Sep-02	8220-12 16-Sep-03
<b>BTEX</b>																
Benzene	0.005	-	0.22	0.36	ND (0.001)	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)
Ethylbenzene	0.7	-	0.29	0.44	ND (0.001)	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)
Toluene	1.0	-	0.23	0.3	ND (0.001)	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)
Xylene (total m,p,o)	10.0	-	1.4	2.4	ND (0.001)	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.0006)	ND (0.001)	ND (0.001)
<b>Petroleum Hydrocarbons</b>																
Diesel Range Organics (DRO)	1.5	13	8.2	1.69	6.0	1.56	ND (0.25)	0.22	ND (0.100)	0.78	ND (0.250)	ND (0.250)	ND (0.250)	ND (0.000156)	ND (0.250)	ND (0.250)
Gasoline Range Organics (GRO)	1.3*	-	6.5	7.1	0.142	3.430	-	ND (0.05)	ND (0.050)	0.066	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.05)	ND (0.08)	ND (0.08)
Residual Range Organics (RRO)	1.1	-	-	ND (1)	54	ND (0.500)	-	-	ND (1)	ND (1.0)	ND (0.500)	-	-	-	-	-
<b>Volatile Organic Compounds (VOCs)</b>																
Benzene	0.005	0.160	0.36	0.35	0.0036	0.162	0.009	ND (0.0005)	ND (0.0005)	0.0014	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000121)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	3.65	ND (0.025)	ND (0.01)	ND (0.05)	ND (0.0005)	ND (0.01)	ND (0.005)	0.0034	ND (0.0005)	0.0011	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000214)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	0.007	ND (0.025)	ND (0.01)	ND (0.05)	ND (0.0005)	ND (0.01)	ND (0.005)	0.0014	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000151)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	0.07	0.024	0.045	0.053	0.0009	0.0321	0.017	0.019	0.015	0.021	0.0203	0.019	0.0241	0.0216	0.0148	0.0139
Ethylbenzene	0.7	0.180	0.31	0.45	0.0066	0.199	0.010	ND (0.0005)	ND (0.0005)	0.0005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000143)	ND (0.001)	ND (0.001)
Methylene Chloride	0.005	0.037	ND (0.02)	ND (0.1)	ND (0.001)	ND (0.05)	0.0076	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.005)
Naphthalene	0.7	0.025	0.043	ND (0.2)	ND (0.002)	0.0205	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.002)	ND (0.000104)	ND (0.002)	ND (0.002)
Styrene	0.1	0.27	ND (0.01)	ND (0.05)	ND (0.0005)	ND (0.01)	ND (0.003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000154)	ND (0.001)	ND (0.001)
Tetrachloroethene (PCE)	0.005	ND (0.015)	ND (0.01)	ND (0.05)	0.0009	ND (0.01)	0.012	0.011	0.0062	0.0027	0.00395	0.00404	0.00283	0.00248	0.00228	0.00158
Toluene	1.0	0.270	0.34	0.26	0.0014	0.0649	0.022	ND (0.0005)	ND (0.0005)	0.0009	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000115)	ND (0.001)	ND (0.001)
1,1,1-Trichloroethane (TCA)	0.2	ND (0.025)	ND (0.01)	ND (0.05)	ND (0.0005)	ND (0.01)	0.019	0.018	0.0011	0.0006	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0001)	ND (0.001)	ND (0.001)
Trichloroethene (TCE)	0.005	ND (0.015)	ND (0.01)	ND (0.05)	0.0006	ND (0.01)	0.030	0.045	0.041	0.012	0.0398	0.0241	0.0375	0.0292	0.0361	0.0322
Vinyl Chloride	0.002	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.0005)	ND (0.01)	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00031)	ND (0.001)	ND (0.001)
Total Xylene [Calc.]	10.0	[0.78]	1.8	[2.84]	[0.0201]	[1.042]	[0.042]	ND (0.0005)	[ND (0.001)]	[0.0058]	[ND (0.003)]	ND (0.003)	ND (0.003)	ND (0.000353)	ND (0.003)	ND (0.003)

**Notes:**

All concentrations are in milligrams per litre (mg/L).

ND (0.001) - Not detected at concentrations above laboratory reporting limit (LRL) shown in parentheses.

\*Based on estimated solubility.

1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.

2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J11123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).

3. Note that the groundwater sample collected from MW00-35 during the October 2005 sampling program was not analyzed for GRO, DRO, and RROs (as planned), due to an inadvertent omission on the Chain-of-Custody form.



**TABLE 3  
Groundwater Analytical Results  
Maintenance Yard Shops, Skagway, AK  
White Pass Yukon Route**

Location SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW97-6M	MW97-6M	MW97-6M	MW97-6M	MW97-6M	MW97-6M	MW97-6D	MW97-6D	MW97-6D	MW97-6D	MW97-6D	MW97-6D	MW97-6D	MW97-6D	MW97-6D	MW97-6D
		9029-10 01-Jun-04	041022-02 22-Oct-04 FDA	041022-03 22-Oct-04 FD	10841-03 21-May-05 FDA	10841-05 21-May-05 FD	11013-01 27-Oct-05	A709046-08 06-Sep-97	A9800524-5 30-Jul-98	A9900271-8 15-Jun-99	A9900854-11 02-Nov-99	P005200-09 08-May-00	P0K0452-08 14-Nov-00	0878-06 28-Jul-01	0886-03 11-Oct-01	0903-11 20-Sep-02	8220-11 16-Sep-03
<b>BTEX</b>																	
Benzene	0.005	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)
Ethylbenzene	0.7	ND (0.0005)	ND (0.001)	ND (0.001)	0.0147	0.0146	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)
Toluene	1.0	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)
Xylene (total m,p,o)	10.0	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.0006)	ND (0.001)	ND (0.001)
<b>Petroleum Hydrocarbons</b>																	
Diesel Range Organics (DRO)	1.5	ND (0.320)	ND (0.435)	ND (0.417)	ND (0.357)	ND (0.333)	-	ND (0.25)	0.28	ND (0.100)	ND (0.1)	ND (0.250)	ND (0.250)	ND (0.250)	ND (0.000156)	ND (0.250)	ND (0.250)
Gasoline Range Organics (GRO)	1.3*	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	-	-	ND (0.05)	ND (0.050)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.05)	ND (0.08)	ND (0.08)
Residual Range Organics (RRO)	1.1	ND (0.400)	ND (0.522)	ND (0.500)	ND (0.429)	ND (0.400)	-	-	-	ND (1)	ND (1.0)	ND (0.500)	-	-	-	-	-
<b>Volatile Organic Compounds (VOCs)</b>																	
Benzene	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0082	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000121)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	3.65	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000214)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	0.007	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000151)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	0.07	0.0109	0.0109	0.0107	0.0147	0.0146	0.0151	0.015	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000187)	ND (0.001)	ND (0.001)
Ethylbenzene	0.7	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0089	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000143)	ND (0.001)	ND (0.001)
Methylene Chloride	0.005	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	0.0049	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.005)
Naphthalene	0.7	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.002)	ND (0.000104)	ND (0.002)	ND (0.002)
Styrene	0.1	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000154)	ND (0.001)	ND (0.001)
Tetrachloroethene (PCE)	0.005	0.00227	0.00164	0.00166	0.00204	0.00208	0.00162	0.011	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00027)	ND (0.001)	ND (0.001)
Toluene	1.0	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.020	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000115)	ND (0.001)	ND (0.001)
1,1,1-Trichloroethane (TCA)	0.2	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.015	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0001)	ND (0.001)	ND (0.001)
Trichloroethene (TCE)	0.005	0.0196	0.0206	0.0204	0.0259	0.0254	0.0226	0.029	0.0012	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000359)	ND (0.001)	ND (0.001)
Vinyl Chloride	0.002	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00031)	ND (0.001)	ND (0.001)
Total Xylene [Calc.]	10.0	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	[0.038]	ND (0.0005)	[ND (0.001)]	[ND (0.001)]	[ND (0.003)]	ND (0.003)	ND (0.003)	ND (0.000353)	ND (0.003)	ND (0.003)

**Notes:**

All concentrations are in milligrams per litre (mg/L).

ND (0.001) - Not detected at concentrations above laboratory reporting limit (LRL) shown in parentheses.

\*Based on estimated solubility.

1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.

2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J1123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).

3. Note that the groundwater sample collected from MW00-35 during the October 2005 sampling program was not analyzed for GRO, DRO, and RROs (as planned), due to an inadvertent omission on the Chain-of-Custody form.

**TABLE 3**  
**Groundwater Analytical Results**  
**Maintenance Yard Shops, Skagway, AK**  
**White Pass Yukon Route**

Location	SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW97-6D	MW97-6D	MW97-6D	MW97-7S	MW97-7S	MW97-7S	MW97-7S	MW97-7S	MW97-7S	MW97-7S	MW97-7S	MW97-7S	MW97-7S	MW97-7S	
			9029-11 01-Jun-04	041022-01 22-Oct-04	10841-04 21-May-05	A709046-09 06-Sep-97	A9800524-6 30-Jul-98	A9900271-1 15-Jun-99 FDA	A9900854-9 02-Nov-99	P005200-13 05-May-00	P0K0452-09 10-Nov-00	0862-12 29-Jun-01	0886-05 11-Oct-01 FDA	0886-06 11-Oct-01 FD	0903-13 20-Sep-02 FDA	0903-14 20-Sep-02 FD	8221-01 16-Sep-03 FDA
<b>BTEX</b>																	
Benzene		<b>0.005</b>	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene		<b>0.7</b>	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Toluene		<b>1.0</b>	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total m,p,o)		<b>10.0</b>	ND (0.001)	ND (0.003)	ND (0.003)	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.0006)	ND (0.0006)	ND (0.001)	ND (0.001)	ND (0.001)
<b>Petroleum Hydrocarbons</b>																	
Diesel Range Organics (DRO)		<b>1.5</b>	ND (0.320)	ND (0.417)	ND (0.417)	0.47	0.14	ND (0.100)	0.12	ND (0.250)	ND (0.250)	ND (0.250)	ND (0.000156)	ND (0.000156)	ND (0.250)	ND (0.250)	ND (0.250)
Gasoline Range Organics (GRO)		<b>1.3*</b>	ND (0.08)	ND (0.08)	ND (0.08)	-	ND (0.05)	ND (0.050)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.05)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)
Residual Range Organics (RRO)		<b>1.1</b>	ND (0.400)	ND (0.500)	ND (0.500)	-	-	ND (1)	ND (1.0)	ND (0.500)	-	-	-	-	-	-	-
<b>Volatile Organic Compounds (VOCs)</b>																	
Benzene		<b>0.005</b>	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000121)	ND (0.000121)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane		<b>3.65</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000214)	ND (0.000214)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene		<b>0.007</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000151)	ND (0.000151)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene		<b>0.07</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000187)	ND (0.000187)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene		<b>0.7</b>	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000143)	ND (0.000143)	ND (0.001)	ND (0.001)	ND (0.001)
Methylene Chloride		<b>0.005</b>	ND (0.005)	ND (0.005)	ND (0.005)	<b>0.0067</b>	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)
Naphthalene		<b>0.7</b>	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.002)	ND (0.000104)	ND (0.000104)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene		<b>0.1</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000154)	ND (0.000154)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene (PCE)		<b>0.005</b>	ND (0.001)	ND (0.001)	ND (0.001)	0.0020	0.0006	0.0028	0.0022	0.00280	0.00148	0.00198	0.0025	0.00249	0.00204	0.00205	0.00114
Toluene		<b>1.0</b>	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000115)	ND (0.000115)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,1-Trichloroethane (TCA)		<b>0.2</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0001)	ND (0.0001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene (TCE)		<b>0.005</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.0005)	0.002	0.0016	0.00271	ND (0.001)	0.0016	0.00226	0.00225	0.00249	0.00258	0.0021
Vinyl Chloride		<b>0.002</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00031)	ND (0.00031)	ND (0.001)	ND (0.001)	ND (0.001)
Total Xylene [Calc.]		<b>10.0</b>	ND (0.001)	ND (0.003)	ND (0.003)	[ND (0.002)]	ND (0.0005)	[ND (0.001)]	[ND (0.001)]	[ND (0.003)]	ND (0.003)	ND (0.003)	ND (0.000353)	ND (0.000353)	ND (0.003)	ND (0.003)	ND (0.003)

**Notes:**  
 All concentrations are in milligrams per litre (mg/L).  
 ND (0.001) - Not detected at concentrations above laboratory reporting limit (LRL) shown in parentheses.  
 \*Based on estimated solubility.  
 1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.  
 2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J11123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).  
 3. Note that the groundwater sample collected from MW00-35 during the October 2005 sampling program was not analyzed for GRO, DRO, and RROs (as planned), due to an inadvertent omission on the Chain-of-Custody form.

**TABLE 3  
Groundwater Analytical Results  
Maintenance Yard Shops, Skagway, AK  
White Pass Yukon Route**

Location SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW97-7S	MW97-7S	MW97-7S	MW97-7S	MW97-7S	MW97-7M	MW97-7M	MW97-7M	MW97-7M	MW97-7M	MW97-7M	MW97-7M	MW97-7M	MW97-7M	MW97-7M	MW97-7M	
		8221-02 16-Sep-03 FD	9030-02 02-Jun-04	041021-07 21-Oct-04	10844-03 24-May-05	11012-12 27-Oct-05	A709046-10 06-Sep-97	A9800524-2 30-Jul-98	A9900271-3 15-Jun-99	A9900854-8 02-Nov-99	P005200-12 05-May-00	P0K0452-10 10-Nov-00	0878-04 27-Jul-01	8221-03 16-Sep-03	9029-12 01-Jun-04	041021-06 21-Oct-04	10844-02 24-May-05	
<b>BTEX</b>																		
Benzene	0.005	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	
Ethylbenzene	0.7	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	
Toluene	1.0	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	
Xylene (total m,p,o)	10.0	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	
<b>Petroleum Hydrocarbons</b>																		
Diesel Range Organics (DRO)	1.5	ND (0.250)	0.481	ND (0.417)	ND (0.400)	ND (0.500)	ND (0.25)	0.22	ND (0.100)	ND (0.1)	ND (0.250)	ND (0.250)	0.381	ND (0.250)	ND (0.320)	ND (0.417)	ND (0.385)	
Gasoline Range Organics (GRO)	1.3*	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	-	ND (0.05)	ND (0.050)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	
Residual Range Organics (RRO)	1.1		ND (0.400)	ND (0.500)	ND (0.480)	ND (0.600)	-	-	ND (1)	ND (1.0)	ND (0.500)	-	-	ND (0.400)	ND (0.500)	ND (0.462)		
<b>Volatile Organic Compounds (VOCs)</b>																		
Benzene	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
1,1-Dichloroethane	3.65	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
1,1-Dichloroethene	0.007	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
cis-1,2-Dichloroethene	0.07	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
Ethylbenzene	0.7	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
Methylene Chloride	0.005	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	0.0080	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
Naphthalene	0.7	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	
Styrene	0.1	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
Tetrachloroethene (PCE)	0.005	0.00106	ND (0.001)	ND (0.001)	ND (0.001)	-	0.0049	0.0014	0.0024	0.0018	0.00234	0.00179	0.00235	0.00109	ND (0.001)	ND (0.001)	ND (0.001)	
Toluene	1.0	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
1,1,1-Trichloroethane (TCA)	0.2	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
Trichloroethene (TCE)	0.005	0.002	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.003)	0.0012	0.0021	0.0013	0.00280	0.00132	0.00242	0.0023	ND (0.001)	ND (0.001)	ND (0.001)	
Vinyl Chloride	0.002	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
Total Xylene [Calc.]	10.0	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	-	[ND (0.002)]	ND (0.0005)	[ND (0.001)]	[ND (0.001)]	[ND (0.003)]	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	

**Notes:**

All concentrations are in milligrams per litre (mg/L).

ND (0.001) - Not detected at concentrations above laboratory reporting limit (LRL) shown in parentheses.

\*Based on estimated solubility.

1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.

2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J11123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).

3. Note that the groundwater sample collected from MW00-35 during the October 2005 sampling program was not analyzed for GRO, DRO, and RROs (as planned), due to an inadvertent omission on the Chain-of-Custody form.

**TABLE 3  
Groundwater Analytical Results  
Maintenance Yard Shops, Skagway, AK  
White Pass Yukon Route**

Location SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW97-7D	MW97-7D	MW97-7D	MW97-7D	MW97-7D	MW97-7D	MW97-7D	MW97-7D	MW97-7D	MW97-7D	MW97-7D	MW97-7D	MW97-7D
		A709046-11 06-Sep-97	A9800524-1 30-Jul-98	A9900271-2 15-Jun-99	A9900854-7 02-Nov-99	P005200-11 05-May-00	P0K0452-11 10-Nov-00	0878-05 27-Jul-01	0886-08 11-Oct-01	0905-01 20-Sep-02	8221-04 16-Sep-03	9030-01 01-Jun-04	041021-05 21-Oct-04	10844-01 24-May-05
<b>BTEX</b>														
Benzene	0.005	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)
Ethylbenzene	0.7	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)
Toluene	1.0	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)
Xylene (total m,p,o)	10.0	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.0006)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)
<b>Petroleum Hydrocarbons</b>														
Diesel Range Organics (DRO)	1.5	0.34	0.28	ND (0.100)	ND (0.1)	ND (0.250)	ND (0.250)	1.03	ND (0.000156)	ND (0.250)	ND (0.250)	ND (0.320)	ND (0.435)	ND (0.370)
Gasoline Range Organics (GRO)	1.3*	-	ND (0.05)	ND (0.050)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)
Residual Range Organics (RRO)	1.1	-	-	ND (1)	ND (1.0)	ND (0.500)	-	-	-	-	-	ND (0.400)	ND (0.522)	ND (0.444)
<b>Volatile Organic Compounds (VOCs)</b>														
Benzene	0.005	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000121)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	3.65	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000214)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	0.007	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000151)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	0.07	ND (0.003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000187)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	0.7	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000143)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methylene Chloride	0.005	0.0083	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Naphthalene	0.7	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.002)	ND (0.000104)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	0.1	ND (0.003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000154)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene (PCE)	0.005	0.0034	0.0019	0.0018	0.0017	0.00179	0.00143	0.00136	0.00183	0.00131	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	1.0	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000115)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,1-Trichloroethane (TCA)	0.2	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene (TCE)	0.005	ND (0.003)	0.0008	0.0015	0.0013	0.00208	0.00107	0.00159	0.00186	0.00171	0.00149	ND (0.001)	ND (0.001)	ND (0.001)
Vinyl Chloride	0.002	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00031)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Total Xylene [Calc.]	10.0	[ND (0.002)]	ND (0.0005)	[ND (0.001)]	[ND (0.001)]	[ND (0.003)]	ND (0.003)	ND (0.003)	ND (0.000353)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)

**Notes:**

All concentrations are in milligrams per litre (mg/L).  
reporting limit (LRL) shown in parentheses.

\*Based on estimated solubility.

1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.

2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J1123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).

**TABLE 3  
Groundwater Analytical Results  
Maintenance Yard Shops, Skagway, AK  
White Pass Yukon Route**

Location SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW98-1	MW98-1	MW98-1	MW98-1	MW-98-1	MW98-1	MW98-1	MW98-1	MW98-1	MW98-1	MW98-1	MW98-1	MW98-1	MW98-1	MW98-1		
		A9800683-1 01-Sep-98	A9900238-5 10-Jun-99	A9900854-5 02-Nov-99	P005200-14 06-May-00	P0K0452-12 14-Nov-00	0862-10 29-Jun-01	0885-07 08-Oct-01	0903-05 19-Sep-02	8220-05 15-Sep-03	9029-08 01-Jun-04	041021-08 21-Oct-04	041021-09 21-Oct-04	10841-08 23-May-05	10841-09 23-May-05	11013-07 28-Oct-05	FDA	FD
<b>BTEX</b>																		
Benzene	0.005	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-	ND (0.001)	ND (0.001)	ND (0.001)		
Ethylbenzene	0.7	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-	ND (0.001)	ND (0.001)	ND (0.001)		
Toluene	1.0	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-	ND (0.001)	ND (0.001)	ND (0.001)		
Xylene (total m,p,o)	10.0	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.0006)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.003)	ND (0.003)	ND (0.003)		
<b>Petroleum Hydrocarbons</b>																		
Diesel Range Organics (DRO)	1.5	-	ND (0.1)	0.41	ND (0.250)	ND (0.250)	ND (0.250)	ND (0.125)	ND (0.250)	ND (0.250)	ND (0.320)	ND (0.500)	ND (0.435)	ND (0.400)	ND (0.400)	ND (0.435)		
Gasoline Range Organics (GRO)	1.3*	-	ND (0.050)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)		
Residual Range Organics (RRO)	1.1	-	ND (1)	ND (1.0)	ND (0.500)	-	-	-	-	-	ND (0.400)	ND (0.600)	ND (0.522)	ND (0.480)	ND (0.480)	ND (0.522)		
<b>Volatile Organic Compounds (VOCs)</b>																		
Benzene	0.005	-	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000121)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		
1,1-Dichloroethane	3.65	-	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000214)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		
1,1-Dichloroethene	0.007	-	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000151)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		
cis-1,2-Dichloroethene	0.07	-	ND (0.0005)	ND (0.0005)	0.00306	0.0327	0.00231	0.0129	0.00439	0.0026	0.00529	0.013	0.0129	0.00514	0.00508	0.0205		
Ethylbenzene	0.7	-	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000143)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		
Methylene Chloride	0.005	-	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)		
Naphthalene	0.7	-	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.002)	ND (0.000104)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)		
Styrene	0.1	-	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000154)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		
Tetrachloroethene (PCE)	0.005	-	ND (0.0005)	ND (0.0005)	ND (0.001)	0.00316	ND (0.001)	ND (0.00027)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		
Toluene	1.0	-	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000115)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		
1,1,1-Trichloroethane (TCA)	0.2	-	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		
Trichloroethene (TCE)	0.005	-	0.0019	ND (0.0005)	<b>0.00551</b>	<b>0.0277</b>	<b>0.00532</b>	<b>0.015</b>	<b>0.0107</b>	<b>0.00598</b>	<b>0.0197</b>	<b>0.0289</b>	<b>0.029</b>	<b>0.0147</b>	<b>0.0146</b>	<b>0.0436</b>		
Vinyl Chloride	0.002	-	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00031)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		
Total Xylene [Calc.]	10.0	-	[ND (0.001)]	[ND (0.001)]	[ND (0.003)]	ND (0.003)	ND (0.003)	ND (0.000353)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)		

**Notes:**  
 All concentrations are in milligrams per litre (mg/L).  
 reporting limit (LRL) shown in parentheses.  
 \*Based on estimated solubility.  
 1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.

2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J1123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).

**TABLE 3  
Groundwater Analytical Results  
Maintenance Yard Shops, Skagway, AK  
White Pass Yukon Route**

Location SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW98-2	MW98-2	MW98-2	MW-98-2	MW98-2	MW98-2	MW98-2	MW98-2	MW98-2	MW98-2	MW98-2	MW98-2	MW00-31	MW00-31	MW00-31
		A9900271-5 15-Jun-99	A9900854-4 02-Nov-99	P005200-15 08-May-00	P0K0452-13 10-Nov-00	0878-03 27-Jul-01	0885-03 07-Oct-01	0903-04 19-Sep-02	8220-04 15-Sep-03	9029-02 28-May-04	041020-01 20-Oct-04	10842-05 20-May-05	11013-03 28-Oct-05		P0K0452-14 10-Nov-00	0878-02 27-Jul-01
<b>BTEX</b>																
Benzene	0.005	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0003)
Ethylbenzene	0.7	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0003)
Toluene	1.0	ND (0.001)	ND (0.001)	-	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0003)
Xylene (total m,p,o)	10.0	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.0006)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.001)	ND (0.0006)
<b>Petroleum Hydrocarbons</b>																
Diesel Range Organics (DRO)	1.5	ND (0.100)	ND (0.1)	ND (0.250)	ND (0.250)	ND (0.250)	ND (0.125)	ND (0.250)	-	ND (0.320)	ND (0.435)	ND (0.357)	-	0.626	ND (0.250)	ND (0.125)
Gasoline Range Organics (GRO)	1.3*	ND (0.050)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	-	0.137	ND (0.08)	ND (0.05)
Residual Range Organics (RRO)	1.1	ND (1)	ND (1.0)	ND (0.500)	-	-	-	-	-	ND (0.400)	ND (0.522)	ND (0.429)	-	-	-	-
<b>Volatile Organic Compounds (VOCs)</b>																
Benzene	0.005	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000121)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000121)
1,1-Dichloroethane	3.65	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000214)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000214)
1,1-Dichloroethene	0.007	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000151)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000151)
cis-1,2-Dichloroethene	0.07	ND (0.0005)	0.029	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000187)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000187)
Ethylbenzene	0.7	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000143)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000143)
Methylene Chloride	0.005	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)
Naphthalene	0.7	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.002)	ND (0.000104)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.000104)
Styrene	0.1	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000154)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000154)
Tetrachloroethene (PCE)	0.005	ND (0.0005)	0.0062	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00027)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00027)
Toluene	1.0	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000115)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000115)
1,1,1-Trichloroethane (TCA)	0.2	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0001)
Trichloroethene (TCE)	0.005	ND (0.0005)	0.026	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000359)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000359)
Vinyl Chloride	0.002	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00031)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00031)
Total Xylene [Calc.]	10.0	[ND (0.001)]	[ND (0.001)]	[ND (0.003)]	ND (0.003)	ND (0.003)	ND (0.000353)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.000353)

**Notes:**  
 All concentrations are in milligrams per litre (mg/L).  
 reporting limit (LRL) shown in parentheses.  
 \*Based on estimated solubility.  
 1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.

2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J1123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).

**TABLE 3**  
**Groundwater Analytical Results**  
**Maintenance Yard Shops, Skagway, AK**  
**White Pass Yukon Route**

Location SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW00-31	MW00-31	MW00-31	MW00-31	MW00-31	MW00-32	MW00-32	MW00-32	MW00-32	MW00-32	MW00-32	MW00-32	MW00-32	MW00-33	MW00-33	MW00-33	
		0903-06 19-Sep-02	8220-06 15-Sep-03	9029-05 29-May-04	041020-03 20-Oct-04	10842-06 20-May-05	P0K0452-14 10-Nov-00	0878-01 27-Jul-01	0885-05 7-Oct-01	0903-07 19-Sep-02	8220-07 15-Sep-03	9029-06 29-May-04	041020-02 20-Oct-04	10842-07 20-May-05	P0K0452-16 10-Nov-00	0862-13 29-Jun-01	0885-04 7-Oct-01	
<b>BTEX</b>																		
Benzene	<b>0.005</b>	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0003)
Ethylbenzene	<b>0.7</b>	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0003)
Toluene	<b>1.0</b>	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0003)
Xylene (total m,p,o)	<b>10.0</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.001)	ND (0.0006)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.001)	ND (0.0006)	
<b>Petroleum Hydrocarbons</b>																		
Diesel Range Organics (DRO)	<b>1.5</b>	ND (0.250)	ND (0.250)	0.42	ND (0.417)	ND (0.370)	1.28	0.381	0.79	ND (0.250)	ND (0.250)	ND (0.320)	ND (0.417)	ND (0.385)	ND (0.250)	ND (0.250)	ND (0.125)	
Gasoline Range Organics (GRO)	<b>1.3*</b>	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	0.0851	ND (0.08)	ND (0.05)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.05)	
Residual Range Organics (RRO)	<b>1.1</b>	-	-	0.583	ND (0.500)	ND (0.444)	-	-	-	-	-	ND (0.400)	ND (0.500)	ND (0.462)	-	-	-	
<b>Volatile Organic Compounds (VOCs)</b>																		
Benzene	<b>0.005</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000121)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000121)	
1,1-Dichloroethane	<b>3.65</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000214)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000214)	
1,1-Dichloroethene	<b>0.007</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000151)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000151)	
cis-1,2-Dichloroethene	<b>0.07</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000187)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00784	0.0108	0.0193	
Ethylbenzene	<b>0.7</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000143)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000143)	
Methylene Chloride	<b>0.005</b>	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	
Naphthalene	<b>0.7</b>	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.000104)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.000104)	
Styrene	<b>0.1</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000154)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000154)	
Tetrachloroethene (PCE)	<b>0.005</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00027)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
Toluene	<b>1.0</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000115)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000115)	
1,1,1-Trichloroethane (TCA)	<b>0.2</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0001)	
Trichloroethene (TCE)	<b>0.005</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000359)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000359)	
Vinyl Chloride	<b>0.002</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00031)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00031)	
Total Xylene [Calc.]	<b>10.0</b>	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.000353)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.000353)	

**Notes:**  
 All concentrations are in milligrams per litre (mg/L).  
 reporting limit (LRL) shown in parentheses.  
 \*Based on estimated solubility.  
 1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.

2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J1123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).

**TABLE 3  
Groundwater Analytical Results  
Maintenance Yard Shops, Skagway, AK  
White Pass Yukon Route**

Location SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW00-33	MW00-33	MW00-33	MW00-33	MW00-33	MW00-33	MW00-34	MW00-34	MW00-34	MW00-34	MW00-34	MW00-34	MW00-35	MW00-35	MW00-35
		0903-08 19-Sep-02	8220-08 15-Sep-03	9029-07 1-Jun-04	041020-04 20-Oct-04	10842-08 20-May-05	11012-07 27-Oct-05	P0K0452-17 14-Nov-00	0862-09 29-Jun-01	0885-06 7-Oct-01	041021-02 21-Oct-04	10841-07 23-May-05	11012-08 27-Oct-05	P0K0452-18 14-Nov-00	0862-08 29-Jun-01	0886-04 11-Oct-01
<b>BTEX</b>																
Benzene	<b>0.005</b>	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.001)	ND (0.001)	ND (0.001)	<b>0.0779</b>	<b>0.0335</b>	<b>0.0268</b>
Ethylbenzene	<b>0.7</b>	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.001)	ND (0.001)	ND (0.001)	0.0611	0.106	0.09
Toluene	<b>1.0</b>	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0003)	ND (0.001)	ND (0.001)	ND (0.001)	0.19	0.0247	0.0227
Xylene (total m,p,o)	<b>10.0</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.001)	ND (0.0006)	ND (0.003)	ND (0.003)	ND (0.003)	0.761	0.222	0.335
<b>Petroleum Hydrocarbons</b>																
Diesel Range Organics (DRO)	<b>1.5</b>	ND (0.250)	ND (0.250)	ND (0.320)	ND (0.417)	ND (0.357)	-	ND (0.250)	ND (0.250)	ND (0.125)	ND (0.500)	ND (0.400)	-	<b>5.15</b>	<b>3.25</b>	<b>3.49</b>
Gasoline Range Organics (GRO)	<b>1.3*</b>	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	-	ND (0.08)	ND (0.08)	0.0977	ND (0.08)	ND (0.08)	-	<b>5.34</b>	<b>2.06</b>	<b>4.07</b>
Residual Range Organics (RRO)	<b>1.1</b>	-	-	ND (0.400)	ND (0.500)	ND (0.429)	-	-	-	-	ND (0.600)	ND (0.480)	-	-	-	-
<b>Volatile Organic Compounds (VOCs)</b>																
Benzene	<b>0.005</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000121)	ND (0.001)	ND (0.001)	ND (0.001)	<b>0.0599</b>	<b>0.0281</b>	<b>0.0258</b>
1,1-Dichloroethane	<b>3.65</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000214)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	ND (0.000428)
1,1-Dichloroethene	<b>0.007</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000151)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	ND (0.000302)
cis-1,2-Dichloroethene	<b>0.07</b>	0.00464	0.00243	0.00547	ND (0.001)	0.00407	ND (0.001)	0.0197	0.0303	0.0222	0.0144	0.0229	0.0196	0.00655	0.0137	0.0073
Ethylbenzene	<b>0.7</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000143)	ND (0.001)	ND (0.001)	ND (0.001)	0.204	0.118	0.118
Methylene Chloride	<b>0.005</b>	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.01)	ND (0.004)
Naphthalene	<b>0.7</b>	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.000104)	ND (0.002)	ND (0.002)	ND (0.002)	0.0545	0.0361	0.0443
Styrene	<b>0.1</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000154)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	ND (0.000308)
Tetrachloroethene (PCE)	<b>0.005</b>	0.00429	0.00227	<b>0.00508</b>	0.00482	0.00342	0.00236	0.00469	<b>0.0056</b>	0.00437	0.00283	0.00326	0.00244	ND (0.005)	ND (0.002)	ND (0.00054)
Toluene	<b>1.0</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.000115)	ND (0.001)	ND (0.001)	ND (0.001)	0.0492	0.0219	0.0268
1,1,1-Trichloroethane (TCA)	<b>0.2</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	ND (0.0002)
Trichloroethene (TCE)	<b>0.005</b>	<b>0.0156</b>	<b>0.0102</b>	<b>0.0106</b>	ND (0.001)	0.00457	ND (0.001)	<b>0.0278</b>	<b>0.0578</b>	<b>0.0354</b>	<b>0.0219</b>	<b>0.0372</b>	<b>0.0266</b>	ND (0.005)	0.0028	ND (0.000718)
Vinyl Chloride	<b>0.002</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00031)	ND (0.001)	ND (0.001)	ND (0.001)	<b>0.0052</b>	<b>0.00778</b>	<b>0.00392</b>
Total Xylene [Calc.]	<b>10.0</b>	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.000353)	ND (0.003)	ND (0.003)	ND (0.003)	0.763	0.2625	0.441

**Notes:**  
 All concentrations are in milligrams per litre (mg/L).  
 reporting limit (LRL) shown in parentheses.  
 \*Based on estimated solubility.  
 1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.

2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J1123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).



**TABLE 3**  
**Groundwater Analytical Results**  
**Maintenance Yard Shops, Skagway, AK**  
**White Pass Yukon Route**

Location SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	MW00-35	MW00-35	MW00-35	AS-2	AS-2	AS-2	AS-2	AS-4	AS-4	AS-4	AS-4	AS-6	AS-6	AS-6	AS-6
		10841-01 21-May-05 FDA	10841-02 21-May-05 FD	11012-11 27-Oct-05	9030-08 4-Jun-04	041022-07 22-Oct-04	10841-11 23-May-05	11012-01 25-Oct-05	9030-09 4-Jun-04	041023-01 23-Oct-04	10841-12 23-May-05	11012-02 25-Oct-05	9030-10 4-Jun-04	041023-02 23-Oct-04	10842-04 19-May-05	11012-03 26-Oct-05
<b>BTEX</b>																
Benzene	<b>0.005</b>	<b>0.0092</b>	<b>0.00904</b>	<b>0.0104</b>	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	<b>0.7</b>	0.021	0.0191	0.0281	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	<b>1.0</b>	0.0034	0.00316	0.00356	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total m,p,o)	<b>10.0</b>	0.02599	0.02363	0.0366	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)
<b>Petroleum Hydrocarbons</b>																
Diesel Range Organics (DRO)	<b>1.5</b>	<b>3.83</b>	<b>3.67</b>	-	ND (0.320)	ND (0.500)	ND (0.400)	-	ND (0.320)	ND (0.417)	ND (0.435)	-	ND (0.320)	ND (0.500)	ND (0.357)	-
Gasoline Range Organics (GRO)	<b>1.3*</b>	0.52	0.533	-	ND (0.08)	ND (0.08)	ND (0.08)	-	ND (0.08)	ND (0.08)	ND (0.08)	-	ND (0.08)	ND (0.08)	ND (0.08)	-
Residual Range Organics (RRO)	<b>1.1</b>	ND (0.545)	ND (0.429)	-	ND (0.400)	ND (0.600)	ND (0.480)	-	ND (0.400)	ND (0.500)	ND (0.522)	-	ND (0.400)	ND (0.600)	ND (0.429)	-
<b>Volatile Organic Compounds (VOCs)</b>																
Benzene	<b>0.005</b>	<b>0.0092</b>	<b>0.00904</b>	<b>0.0104</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	<b>3.65</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	<b>0.007</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	<b>0.07</b>	0.00536	0.00524	0.00565	0.0046	0.00412	0.0056	0.00519	0.00222	0.00208	0.00216	0.00283	0.00257	0.00264	0.0027	0.00348
Ethylbenzene	<b>0.7</b>	0.021	0.0191	0.0281	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methylene Chloride	<b>0.005</b>	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Naphthalene	<b>0.7</b>	0.00862	0.00906	0.015	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	<b>0.1</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene (PCE)	<b>0.005</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	<b>1.0</b>	0.0034	0.00316	0.00356	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,1-Trichloroethane (TCA)	<b>0.2</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene (TCE)	<b>0.005</b>	0.00115	0.00108	ND (0.001)	<b>0.00762</b>	<b>0.00948</b>	<b>0.0111</b>	<b>0.0104</b>	0.00427	<b>0.00525</b>	<b>0.0051</b>	<b>0.00578</b>	<b>0.00509</b>	<b>0.00600</b>	<b>0.00569</b>	<b>0.00611</b>
Vinyl Chloride	<b>0.002</b>	<b>0.00229</b>	<b>0.00217</b>	<b>0.00252</b>	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Total Xylene [Calc.]	<b>10.0</b>	0.02599	0.02363	0.0366	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)

**Notes:**

All concentrations are in milligrams per litre (mg/L).  
reporting limit (LRL) shown in parentheses.

\*Based on estimated solubility.

1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.

2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), POK0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J1123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).

**TABLE 3**  
**Groundwater Analytical Results**  
**Maintenance Yard Shops, Skagway, AK**  
**White Pass Yukon Route**

Location SCN Date QA/QC	ADEC Clean-up Level <sup>1</sup>	AS-8	AS-8	AS-8	AS-10	AS-10	AS-10	AS-10	AS-12	AS-12	AS-12	AS-12
		9030-11 4-Jun-04	041022-08 22-Oct-04	10842-03 19-May-05	9031-01 9-Jun-04 FDA	9031-02 9-Jun-04 FD	041022-09 22-Oct-04	10842-02 19-May-05	9031-03 9-Jun-04	041022-10 22-Oct-04	10842-01 19-May-05	11012-04 26-Oct-05
<b>BTEX</b>												
Benzene	0.005	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	0.7	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	1.0	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total m,p,o)	10.0	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)
<b>Petroleum Hydrocarbons</b>												
Diesel Range Organics (DRO)	1.5	ND (0.320)	ND (0.417)	ND (0.370)	ND (0.320)	ND (0.320)	ND (0.417)	ND (0.385)	ND (0.320)	ND (0.400)	ND (0.357)	-
Gasoline Range Organics (GRO)	1.3*	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.08)	-
Residual Range Organics (RRO)	1.1	ND (0.400)	ND (0.500)	ND (0.444)	ND (0.400)	ND (0.400)	ND (0.500)	ND (0.462)	ND (0.400)	ND (0.480)	ND (0.429)	-
<b>Volatile Organic Compounds (VOCs)</b>												
Benzene	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	3.65	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	0.007	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	0.07	ND (0.001)	ND (0.001)	ND (0.001)	0.0012	0.0013	0.00122	0.00114	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	0.7	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methylene Chloride	0.005	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Naphthalene	0.7	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	0.1	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene (PCE)	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	1.0	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,1-Trichloroethane (TCA)	0.2	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene (TCE)	0.005	ND (0.001)	ND (0.001)	ND (0.001)	0.00283	0.00287	0.00333	0.00279	0.00141	0.00232	0.00143	0.00205
Vinyl Chloride	0.002	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Total Xylene [Calc.]	10.0	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)

**Notes:**

All concentrations are in milligrams per litre (mg/L).  
reporting limit (LRL) shown in parentheses.

\*Based on estimated solubility.

1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.

2. Data reported from Analytical Laboratory & Consultants, Oregon Lab Reports #81714 through 81720 and 81126 through 81133 (Aug. 1997); Analytica Alaska Inc. Order A7-09-046 and Analytical Environmental Laboratory Order 97-09-069 (Sept. 1997); Columbia Analytical Services Inc., Anchorage, AK Service Request Orders A9800683 (Sept. 1998), A9800524 (July 1998), A9900271 and A9900238 (June 1999), A9900715 (Sept. 1999), and A9900854 (Nov. 1999); and North Creek Analytical, Portland, OR Files P005200 and P005488 (May 2000), P0K0452 (Nov. 2000), P1J0346 and P1J0528 (Oct. 2001), P2I0604 (Sept. 2002), P3I0738 (Sept. 2003), P4F0112, P4F0225, and P4F0455 (June 2004), P4J1121, P4J1122, and P4J1123 (Oct. 2004), P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).

**TABLE 4**  
**QA/QC Results for Chemical Analysis - Groundwater 2005**  
**Maintenance Yard Shops, Skagway, AK**  
**White Pass Yukon Route**

Location	SCN	MW97-6M	MW97-6M	RPD	MW98-1	MW98-1	RPD	MW00-35	MW00-35	RPD	MW97-1	MW97-1	RPD	MW97-2	MW97-2	RPD
Date		21-May-05	21-May-05		23-May-05	23-May-05		21-May-05	21-May-05		26-Oct-05	26-Oct-05		27-Oct-05	27-Oct-05	
QA/QC		FDA	FD		FDA	FD		FDA	FD		FDA	FD		FDA	FD	
<b>Petroleum Hydrocarbons</b>																
Diesel Range Organics (DRO)	1.5	ND (0.357)	ND (0.333)	nc	ND (0.400)	ND (0.400)	nc	3.83	3.67	4%	2.88	4.00	33%	ND (0.500)	ND (0.500)	nc
Gasoline Range Organics (GRO)	1.3*	ND (0.08)	ND (0.08)	nc	ND (0.08)	ND (0.08)	nc	0.52	0.533	2%	ND (0.08)	ND (0.08)	nc	ND (0.08)	ND (0.08)	nc
Residual Range Organics (RRO)	1.1	ND (0.429)	ND (0.400)	nc	ND (0.480)	ND (0.480)	nc	ND (0.545)	ND (0.429)	nc	ND (0.522)	0.580	nc	ND (0.600)	ND (0.600)	nc
<b>Volatile Organic Compounds (VOCs)</b>																
Benzene	0.005	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	0.0092	0.00904	nc	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc
1,1-Dichloroethane	3.65	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc
1,1-Dichloroethene	0.007	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc
cis-1,2-Dichloroethene	0.07	0.0147	0.0146	1%	0.00514	0.00508	1%	0.00536	0.00524	2%	0.00307	0.00312	2%	0.0166	0.0163	2%
Ethylbenzene	0.7	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	0.021	0.0191	9%	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc
Methylene Chloride	0.005	ND (0.005)	ND (0.005)	nc	ND (0.005)	ND (0.005)	nc	ND (0.005)	ND (0.005)	nc	ND (0.005)	ND (0.005)	nc	ND (0.005)	ND (0.005)	nc
Naphthalene	0.7	ND (0.002)	ND (0.002)	nc	ND (0.002)	ND (0.002)	nc	0.00862	0.00906	5%	ND (0.002)	ND (0.002)	nc	ND (0.002)	ND (0.002)	nc
Styrene	0.1	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc
Tetrachloroethene (PCE)	0.005	0.00204	0.00208	2%	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	0.00207	0.00196	5%	0.0026	0.00254	2%
Toluene	1.0	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	0.0034	0.00316	7%	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc
1,1,1-Trichloroethane (TCA)	0.2	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc
Trichloroethene (TCE)	0.005	0.0259	0.0254	2%	0.0147	0.0146	1%	0.00115	0.00108	6%	0.00223	0.00226	1%	0.0217	0.0217	0%
Vinyl Chloride	0.002	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc	0.00229	0.00217	5%	ND (0.001)	ND (0.001)	nc	ND (0.001)	ND (0.001)	nc
Total Xylene [Calc.]	10.0	ND (0.003)	ND (0.003)	nc	ND (0.003)	ND (0.003)	nc	0.02599	0.02363	10%	ND (0.003)	ND (0.003)	nc	ND (0.003)	ND (0.003)	nc

**Notes:**

All concentrations are in milligrams per litre (mg/L).

ND (0.001) - Not detected at concentrations above laboratory reporting limit (LRL) shown in parentheses.

RPD - Relative Percent Difference

nc - not calculated

\*Standard based on estimated solubility.

1. Table C of "18 AAC 75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control" Regulations as amended through May 2004.

2. Data reported from North Creek Analytical, Portland OR Files P5E1058, P5E1141, P5E1146 (May 2005) and P5K0124 (Oct. 2005).

TABLE 5  
 Test Pitting Logs  
 Test Pitting Program August 26, 2005  
 Maintenance Yard Shops, Skagway, AK  
 White Pass Yukon Route

Test Pit	Sample ID	Depth (m)	Depth (ft)	Headspace Vapors (ppm)	Stratigraphy Description
TP05-1					0 - 0.4 ft: Grass and TOPSOIL
	S1	0.7	2.3	5.5	0.4 - 4.0 ft: Dry to moist, brown, fine-grained SAND (FILL) with trace gravel; thin veneer of organics at 1 ft.
	S2	1.3	4.3	5.1	4.0 - 10.5 ft: Dry, brown, sandy GRAVEL with cobbles; grey with boulders at 10 ft.
	S3	1.8	5.9	6.4	
	S4	2.3	7.5	5.8	
S5*	3.2	10.5	9.1		
TP05-2					0 - 0.4 ft: Grass and TOPSOIL
	S1	0.5	1.6	2.7	0.4 - 3.5 ft: Moist, brown, fine-grained SAND with trace gravel.
	S2	1.2	3.9	0.8	3.5 - 10.5 ft: Moist, brown, sandy GRAVEL with cobbles; grey and wet with hydrocarbon odours at 9.5 ft.
	S3	2	6.6	7.8	
S4*	3	9.8	130		
TP05-3					0 - 0.4 ft: Grass and TOPSOIL
	S1	0.7	2.3	23	0.4 - 5.0 ft: Dry to moist, dark brown SAND (FILL) with organics, cobbles, and trace metal debris.
	S2*	1.8	5.9	23.6	5.0 - 10.5 ft: Moist, brown, sandy GRAVEL with cobbles; south wall of test pit sand fill (same as above) with wood at 9.2 ft.
	S3	2	6.6	6.3	
S4	3	9.8	4.9		
TP05-4					0 - 0.4 ft: Grass and TOPSOIL
	S1	0.5	1.6	12.5	0.4 - 1.6 ft: Dry, black, SAND AND GRAVEL, with brittle organics (burnt remains of former roundhouse).
	S2*	1	3.3	13.6	1.6ft - 6.0 ft: Dry, brown SAND (FILL) with cobbles.
	S3	2	6.6	13.4	6.0 - 10.5 ft: Moist, brown, sandy GRAVEL with cobbles; wet at 9.8 ft.
S4	3	9.8	11.3		
TP05-5					0 - 0.4 ft: Gravel and TOPSOIL
	S1	0.3	1.0	8.1	0.4 - 6.0 ft: Dry, brown, fine-grained SAND (FILL) with cobbles and trace metal, wood and concrete debris.
	S2	0.7	2.3	8.8	6.0 - 10.5 ft: Moist, brown, sandy GRAVEL with cobbles.
	S3	2	6.6	7.8	
S4*	3	9.8	18.7		
TP05-6					0 - 1.0 ft: Grass and topsoil, with metal debris; abandoned fuel line at 1 ft (intact, 8" diameter, cast iron pipe).
	S1	0.7	2.3	3.3	1.0 - 5.5 ft: Dry, brown, fine-grained SAND (FILL) with cobbles.
	S2	1.8	5.9	6.5	1.2ft - 8.5 ft: Moist, brown, sandy GRAVEL with cobbles and boulders; dark brown to black stained coating on cobbles at 8 ft (no odours; see photo Appendix X).
S3*	2.5	8.2	1.8		
TP05-7					0 - 0.5 ft: Grass and topsoil
	S1	0.7	2.3	1.4	0.5 - 10.5 ft: Moist, brown, coarse-grained SAND and GRAVEL; grey and wet, with hydrocarbon odors at 7 ft; water at 10 ft.
	S2	1.8	5.9	102	
S3*	2.5	8.2	283		

## Notes:

\* Sample submitted for chemical analysis

**Results of Soil Chemical Analysis - Test Pitting Program August 2005  
Maintenance Yard Shops, Skagway, AK  
White Pass & Yukon Route**

Location SCN Depth (feet) Headspace Vapour (ppm) Date	ANALYSIS METHOD	ADEC CLEANUP LEVEL	TP05-1	TP05-2	TP05-3	TP05-4	TP05-5	TP05-6	TP05-7
			TP05-1 S5 10.5 26-Aug-05	TP05-2 S4 9.8 130 26-Aug-05	TP05-3 S2 5.9 23.6 26-Aug-05	TP05-4 S2 3.3 13.6 26-Aug-05	TP05-5 S4 9.8 18.7 26-Aug-05	TP05-6 S3 8.2 1.8 26-Aug-05	TP05-7 S3 8.2 283 26-Aug-05
<b>BETX</b>									
Benzene	5030B	0.02	ND (0.00444)	ND (0.00484)	0.075	ND (0.00419)	ND (0.00368)	ND (0.00408)	ND (0.00393)
Ethylbenzene	5030B	5.5	ND (0.0222)	ND (0.0242)	ND (0.0202)	ND (0.0210)	ND (0.0184)	ND (0.0204)	ND (0.0197)
Toluene	5030B	5.4	0.0317	ND (0.0242)	0.19	ND (0.0210)	ND (0.0184)	ND (0.0204)	ND (0.0197)
Xylene	5030B	78	ND (0.0222)	0.0783	0.0404	ND (0.0210)	ND (0.0184)	ND (0.0204)	0.0586
<b>Petroleum Hydrocarbons</b>									
Diesel Range Organics	AK102	250	58	2840	59	ND (250)	234	ND (25.0)	1610
Residual Range Organics	AK103	10000	ND (50.0)	ND (50.0)	191	571	ND (50.0)	185	384
Gasoline Range Organics	AK101	300	ND (0.887)	12.4	7.1	ND (0.838)	ND (0.735)	ND (0.816)	4.34
<b>Volatile Organic Compounds (VOCs)</b>									
1,1,1,2-Tetrachloroethane	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,1,1-Trichloroethane (TCA)	8260	1	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,1,2,2-Tetrachloroethane	8260	0.017	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,1,2-Trichloroethane	8260	0.017	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,1-Dichloroethane	8260	12	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,1-Dichloroethene	8260	0.03	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,1-Dichloropropene	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,2,3-Trichlorobenzene	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,2,3-Trichloropropane	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,2,4-Trichlorobenzene	8260	2	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,2,4-Trimethylbenzene	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	0.0432
1,2-Dibromo-3-chloropropane (DBCP)	8260		ND (0.111)	ND (0.121)	-	-	-	-	ND (0.0984)
1,2-Dibromoethane (EDB)	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,2-Dichlorobenzene	8260	7	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,2-Dichloroethane	8260	0.015	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,2-Dichloropropane	8260	0.017	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,3,5-Trimethylbenzene	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,3-Dichlorobenzene	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,3-Dichloropropane	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
1,4-Dichlorobenzene	8260	0.8	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
2,2-Dichloropropane	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
2-Butanone (MEK)	8260		ND (0.222)	ND (0.242)	-	-	-	-	ND (0.197)
2-Chlorotoluene	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
2-Hexanone	8260		ND (0.222)	ND (0.242)	-	-	-	-	ND (0.197)
4-Chlorotoluene	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
4-Methyl-2-pentanone (MIBK)	8260		ND (0.111)	ND (0.121)	-	-	-	-	ND (0.0984)
Acetone	8260	10	ND (0.555)	ND (0.605)	-	-	-	-	ND (0.492)
Benzene	8260	0.02	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Bromobenzene	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Bromochloromethane	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Bromodichloromethane	8260	0.35	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Bromoform	8260	0.38	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Bromomethane	8260		ND (0.111)	ND (0.121)	-	-	-	-	ND (0.0984)
Carbon disulfide	8260	17	ND (0.222)	ND (0.242)	-	-	-	-	ND (0.197)
Carbon tetrachloride	8260	0.03	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Chlorobenzene	8260	0.6	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Chloroethane	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Chloroform	8260	0.34	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Chloromethane	8260		ND (0.111)	ND (0.121)	-	-	-	-	ND (0.0984)
cis-1,2-Dichloroethene	8260	0.2	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
cis-1,3-Dichloropropene	8260	0.02	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Dibromochloromethane	8260	0.2	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Dibromomethane	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Dichlorodifluoromethane	8260		ND (0.111)	ND (0.121)	-	-	-	-	ND (0.0984)
Ethylbenzene	8260	5.5	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Hexachlorobutadiene	8260	8	ND (0.0887)	ND (0.0968)	-	-	-	-	ND (0.0787)
Isopropylbenzene	8260		ND (0.0444)	ND (0.0484)	-	-	-	-	ND (0.0393)
m,p-Xylene	8260		ND (0.0444)	ND (0.0484)	-	-	-	-	ND (0.0393)
Methyl tert-butyl ether	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Methylene chloride	8260	0.015	ND (0.111)	ND (0.121)	-	-	-	-	ND (0.0984)
n-Butylbenzene	8260		ND (0.111)	ND (0.121)	-	-	-	-	ND (0.0984)
n-Propylbenzene	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Naphthalene	8260	21	ND (0.0444)	ND (0.0484)	-	-	-	-	ND (0.0393)
o-Xylene	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
p-Isopropyltoluene	8260		ND (0.0444)	ND (0.0484)	-	-	-	-	ND (0.0393)
sec-Butylbenzene	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Styrene	8260	1.3	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
tert-Butylbenzene	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Tetrachloroethene (PCE)	8260	0.03	0.0306	ND (0.0242)	-	-	-	-	ND (0.0197)
Toluene	8260	5.4	0.0302	ND (0.0242)	-	-	-	-	ND (0.0197)
Total Xylenes	8260 <sup>(3)</sup>	78	ND(0.0666)	ND(0.0726)	-	-	-	-	ND(0.059)
trans-1,2-Dichloroethene	8260	0.4	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
trans-1,3-Dichloropropene	8260	0.02	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Trichloroethene (TCE)	8260	0.027	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Trichlorofluoromethane (CFC 11)	8260		ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)
Vinyl chloride	8260	0.009	ND (0.0222)	ND (0.0242)	-	-	-	-	ND (0.0197)

**Notes:**

All values in milligram per kilogram (mg/kg) unless otherwise noted

ND (50.0) - Not detected at concentrations above method reporting limits (MRL) shown in parentheses.

Bold italics indicates method reporting limit exceeds standard

<sup>(1)</sup> Table B1 of "18AAC75, Articles 3 and 9, Oil and Other Hazardous Substances Pollution Control"

Regulations as amended through May 2004. "Under 40 inch Zone";

most stringent cleanup level for "Migration to Groundwater", "Ingestion", and "Inhalation" pathways.

<sup>(2)</sup> Method reporting limits (MRL) exceed threshold effect levels (TELS)<sup>(3)</sup> Calculation<sup>(4)</sup> Data reported from North Creek Analytical, Portland OR File P5H1259 (August 2005).

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**TABLE 7**  
**Results of Mann-Kendall Test for TCE Concentrations in Groundwater**  
**January 1999 to October 2005**  
**Maintenance Yard Shops, Skagway, AK**  
**White Pass & Yukon Route**

Location	Sample size (n)	Test Statistic (S)	Probability (p) <sup>a</sup>	COV	Result <sup>b</sup>
MW-1AHC (shallow)	13	-48	0.1%	n/a	decreasing
MW-1HC (deep)	13	-2	48%	0.4	stable
MW-2HC	12	0	53%	0.4	stable
MW-3HC	7	-17	0.5%	n/a	decreasing
MW-4HC	11	3	44%	0.5	no trend
MW97-1	12	-12	23%	0.4	stable
MW97-2	12	-16	16%	0.6	stable
MW97-6M	12	-22	8%	n/a	decreasing
MW97-7S	11	-16	12%	0.6	stable
MW97-7M	11	-16	13%	0.5	stable
MW97-7D	11	-22	5%	n/a	decreasing
MW98-1	12	38	0.4%	n/a	increasing
MW00-33	9	-26	0.3%	n/a	decreasing
MW00-34	6	-3	36%	0.4	stable
AS-2	4	4	17%	0.2	no trend
AS-4	4	4	17%	0.1	no trend
AS-6	4	4	17%	0.1	no trend
AS-12	4	2	38%	0.3	no trend

a) Refers to the probability of no trend

b) Result is based on the following decision making criteria:

**Decreasing:**  $S < 0$ ;  $p < 10\%$

**Increasing:**  $S > 0$ ;  $p < 10\%$

**Stable:**  $S \leq 0$ ;  $p > 10\%$ ;  $COV < 1$

**No Trend:**  $S > 0$ ;  $p > 10\%$ ;

**TABLE 8**  
**Results of Mann-Kendall Test for DRO Concentrations in Groundwater**  
**January 1999 to October 2005**  
**Maintenance Yard Shops, Skagway, AK**  
**White Pass & Yukon Route**

<b>Location</b>	<b>Sample size (n)</b>	<b>Test Statistic (S)</b>	<b>Probability (p)<sup>a</sup></b>	<b>COV</b>	<b>Result<sup>b</sup></b>
MW97-1	12	-20	9.8%	n/a	decreasing
MW00-35	4	0	62%	0.2	stable

a) Refers to the probability of no trend

b) Result is based on the following decision making criteria:

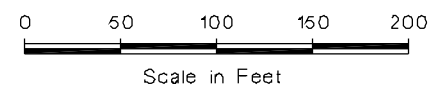
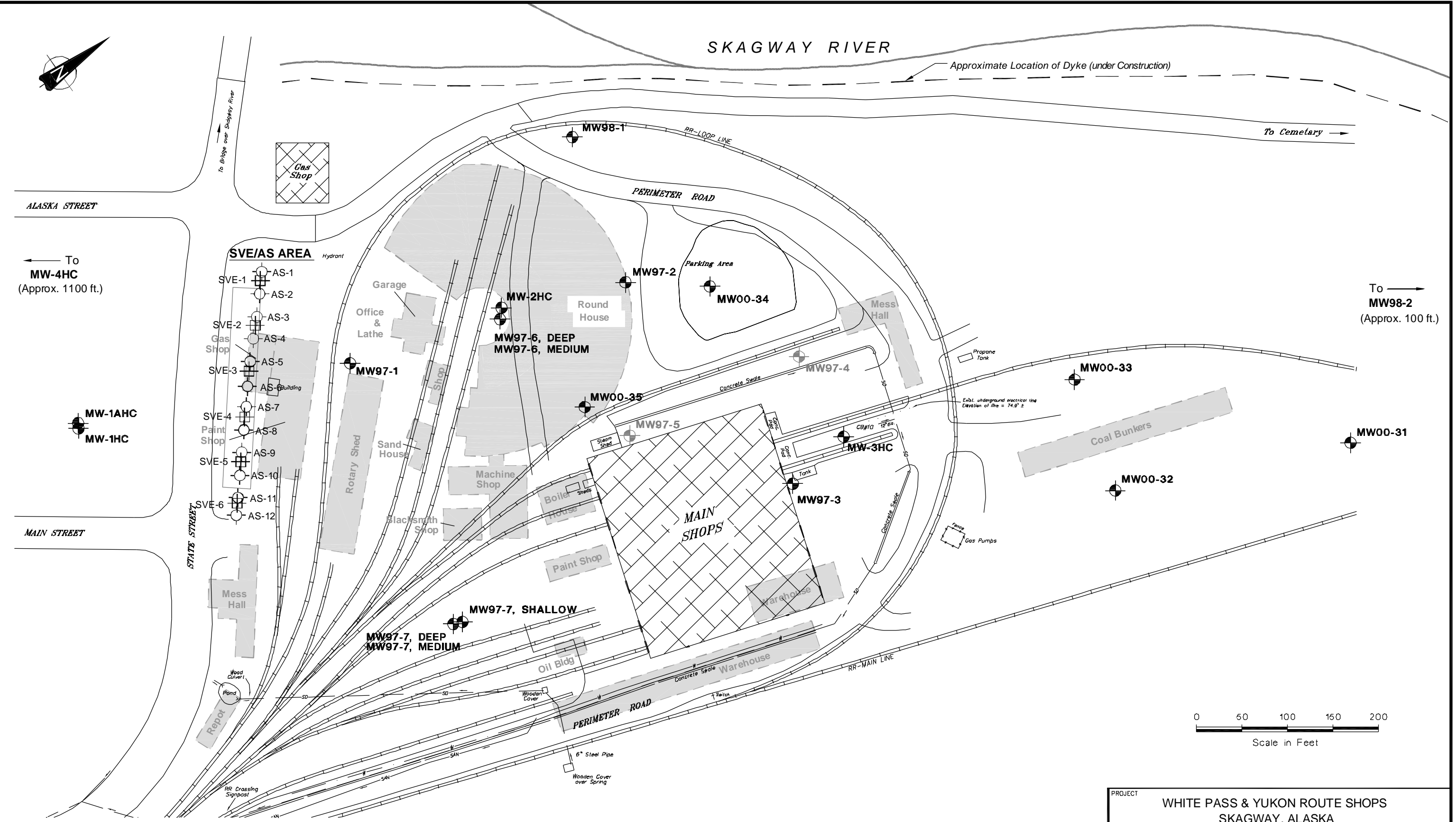
**Decreasing:**  $S < 0$ ;  $p < 10\%$

**Increasing:**  $S > 0$ ;  $p < 10\%$

**Stable:**  $S \leq 0$ ;  $p > 10\%$ ;  $COV < 1$

**No Trend:**  $S > 0$ ;  $p > 10\%$ ;

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LEGEND	
	MW98-1 Monitoring Well Location (Golder Associates)
	MW-1HC Monitoring Well Location (Hart Crowser)
	AS-1 Air Sparging Well Location
	SVE-2 Soil Vapour Extraction Well Location
	MW97-5 Monitoring Well Abandoned
	Former Building Outline

**REFERENCES**  
 1) Basemap from "Site Plan White Pass Yard Skagway, Alaska" by Underhill Geomatics Ltd. November, 2000.

PROJECT			
WHITE PASS & YUKON ROUTE SHOPS SKAGWAY, ALASKA			
TITLE			
SITE PLAN SHOWING LOCATIONS OF MONITORING WELLS AND SVE/AS WELLS			
	PROJECT	No. 96-1412-853B	FILE No. 961412853B-SK1
	DESIGN	LK 02DEC05	SCALE AS SHOWN   REV. -
	CADD	WLI 02DEC06	
	CHECK	LK 02DEC05	
REVIEW			
			<b>FIGURE 1</b>



SKAGWAY RIVER

Approximate Location of Dyke (under Construction)

To Cemetery

ALASKA STREET

SVE/AS AREA

Hydrant

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

STATE STREET

To MW-4HC  
MW-1AHC  
MW-1HC

MAIN STREET

Mess Hall

Repot

TP05-3

Office & Lathe

Garage

TP05-2

MW97-1

Rotary Shed

Sand House

TP05-1

Blacksmith Shop

Machine Shop

Boiler House

Paint Shop

MW97-7, DEEP  
MW97-7, MEDIUM

MW97-7, SHALLOW

Oil Bldg

Warehouse

6" Steel Pipe

Wooden Cover over Spring

MW98-1

TP05-5

TP05-4

TP05-7

RR-LOOP LINE

Approximate Location of Historic Fuel Line

PERIMETER ROAD

MW2HC

Round House

MW97-6, DEEP  
MW97-6, MEDIUM

Parking Area

MW00-34

MW97-2

MW97-4

Mess Hall

Propane Tank

Exist. underground electrical line  
Elevation of line = 74.9' ±

MW00-35

MW97-5

Concrete Swale

MW00-33

MW97-3

Tank

MW-3HC

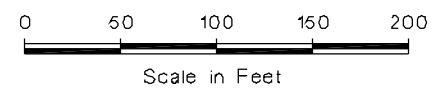
Coal Bunkers

MW00-32

MW00-31

RR-MAIN LINE

To MW98-2



LEGEND

- MW98-1 Monitoring Well Location (Golder Associates)
- MW-1HC Monitoring Well Location (Hart Crowser)
- AS-1 Air Sparging Well Location
- SVE-2 Soil Vapour Extraction Well Location
- TP05-6 Test Pit Locations (Approximate)
- MW97-5 Monitoring Well Abandoned
- Former Building Outline

REFERENCES

1) Basemap from "Site Plan White Pass Yard Skagway, Alaska" by Underhill Geomatics Ltd. November, 2000.

PROJECT				WHITE PASS & YUKON ROUTE SHOPS SKAGWAY, ALASKA			
TITLE				SITE PLAN SHOWING LOCATIONS OF TEST PITS			
PROJECT No. 96-1412-853B		FILE No. 961412853B-SK2		DESIGN LK 02DEC05		SCALE AS SHOWN   REV. -	
CADD WLI 02DEC05		CHECK LK 02DEC05		REVIEW		FIGURE 2	



REVISION DATE: 06/05/12 01:29PM By: sskermar  
 CADD FILE: N:\Bur-Graphics\Projects\1400\Older than 98\96-1412-853B\961412853B-SK2.dwg



SKAGWAY RIVER

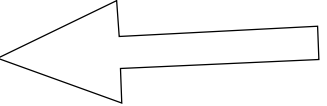
Approximate Location of Dyke (under Construction)

To Cemetery

ALASKA STREET

To MW-4HC (Approx. 1100 ft.)

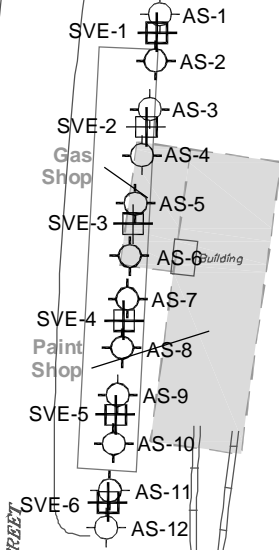
To MW98-2 (75.57) (Approx. 100 ft.)



INFERRED GROUND WATER FLOW DIRECTION

CADD FILE: N:\Bur-Graphics\Projects\1400\Older than 98\96-1412-853B\961412853B-SK1.dwg  
REVISION DATE: 06/05/12 01:41PM By: sskermr

SVE/AS AREA



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

Garage  
Office & Lathe  
Rotary Shed  
Sand House  
Blacksmith Shop

Round House  
Machine Shop  
Boiler House  
Paint Shop

Parking Area  
Mess Hall  
MAIN SHOPS  
Warehouse

Propane Tank  
Coal Bunkers  
Gas Pumps

Mess Hall  
Repot  
Wood Cover  
Pond

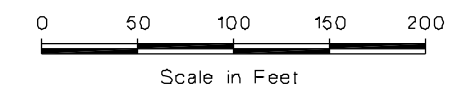
Oil Bldg  
Wooden Cover  
6" Steel Pipe  
Wooden Cover over Spring

RR-CROSSING SIGNS

RR-LOOP LINE  
PERIMETER ROAD  
RR-MAIN LINE

MAIN STREET

STATE STREET



**LEGENDS**

- MW98-1 Monitoring Well Location (Golder Associates)
- MW-1HC Monitoring Well Location (Hart Crowser)
- AS-1 Air Sparging Well Location
- MW97-5 Monitoring Well Abandoned
- SVE-2 Soil Vapour Extraction Well Location
- 72.22 Water Table Elevation (ft) May 2005
- Former Building Outline

**REFERENCES**

- 1) Basemap from "Site Plan White Pass Yard Skagway, Alaska" by Underhill Geomatics Ltd. November, 2000.

PROJECT				WHITE PASS & YUKON ROUTE SHOPS SKAGWAY, ALASKA			
TITLE				WATER TABLE ELEVATION MAY 2005			
PROJECT No. 96-1412-853B		FILE No. 961412853B-SK1		DESIGN LK 02DEC05		SCALE AS SHOWN REV. -	
CADD WLI 02DEC06		CHECK LK 02DEC05		<b>FIGURE 3</b>			
REVIEW							





SKAGWAY RIVER

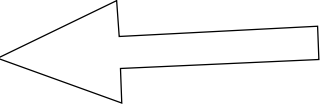
Approximate Location of Dyke (under Construction)

To Cemetery

ALASKA STREET

To MW-4HC (Approx. 1100 ft.)

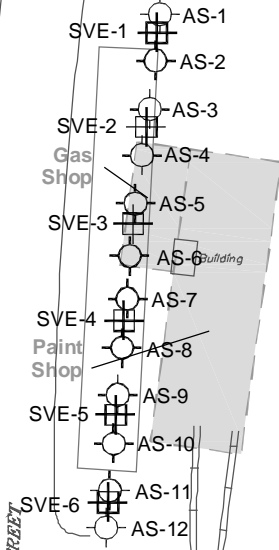
To MW98-2 (74.75) (Approx. 100 ft.)



INFERRED GROUND WATER FLOW DIRECTION

CADD FILE: N:\Bur-Graphics\Projects\1400\Older than 98\96-1412-853B\961412853B-SK1.dwg  
REVISION DATE: 06/05/12 01:41 PM By: sskermr

SVE/AS AREA



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

Garage  
Office & Lathe  
Rotary Shed  
Sand House  
Blacksmith Shop  
Machine Shop  
Boiler House  
Paint Shop  
Warehouse

MW-2HC  
66.46  
Round House  
MW97-6, DEEP  
MW97-6, MEDIUM

MW00-35  
66.93

MW97-5  
69.27  
MAIN SHOPS

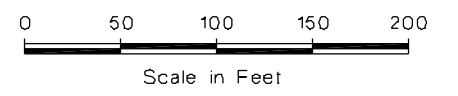
MW-3HC  
69.27  
MW97-3

MW97-7, SHALLOW  
64.80  
MW97-7, DEEP  
MW97-7, MEDIUM

MW00-33  
71.30

MW00-32  
71.96

MW00-31  
72.83



LEGEND

- MW98-1 Monitoring Well Location (Golder Associates)
- MW-1HC Monitoring Well Location (Hart Crowser)
- AS-1 Air Sparging Well Location
- MW97-5 Monitoring Well Abandoned
- SVE-2 Soil Vapour Extraction Well Location
- 72.22 Water Table Elevation (ft) May 2005
- Former Building Outline

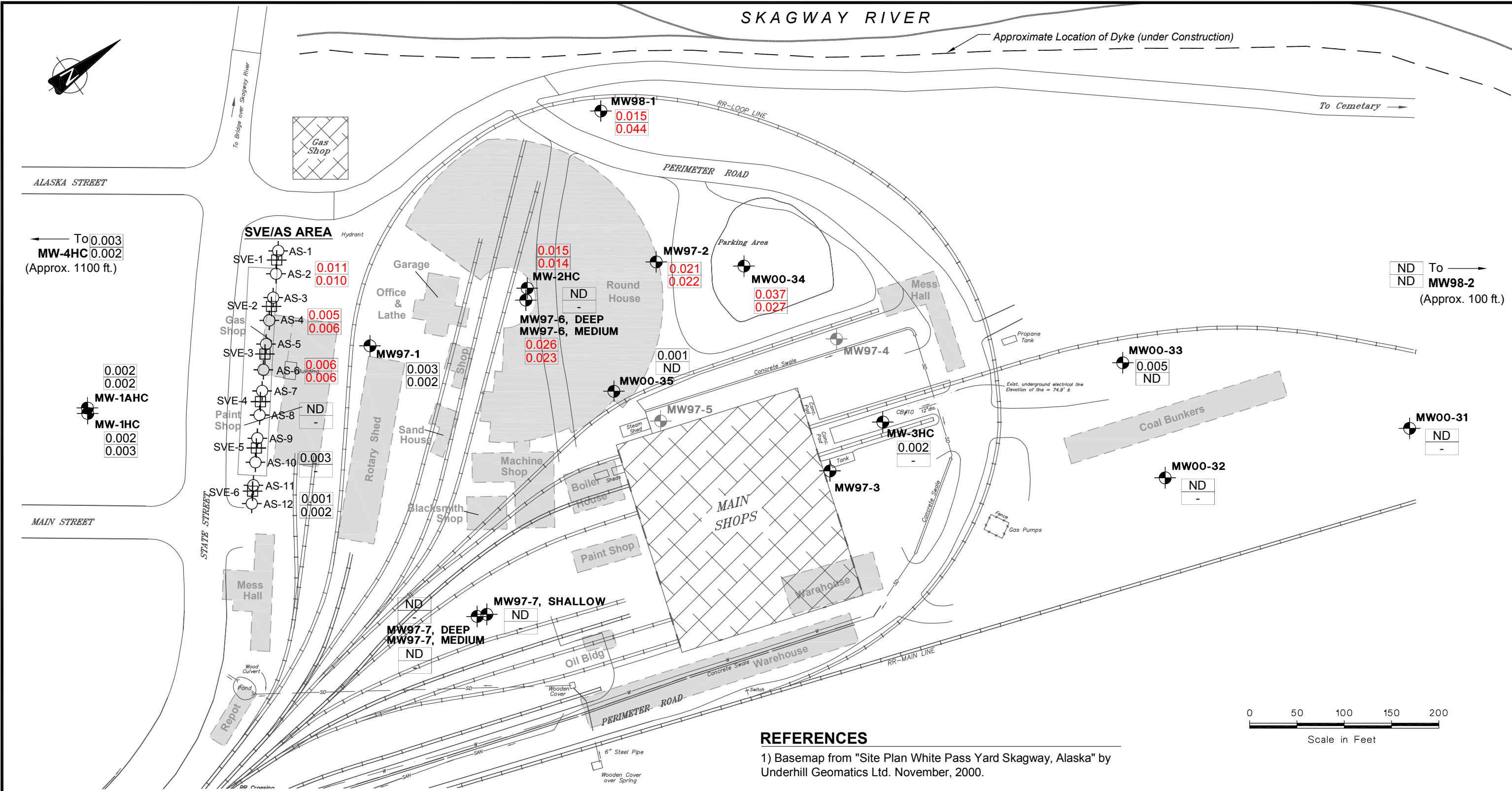
REFERENCES

1) Basemap from "Site Plan White Pass Yard Skagway, Alaska" by Underhill Geomatics Ltd. November, 2000.

PROJECT				WHITE PASS & YUKON ROUTE SHOPS SKAGWAY, ALASKA			
TITLE				WATER TABLE ELEVATION OCTOBER 2005			
PROJECT No. 96-1412-853B		FILE No. 961412853B-SK1		DESIGN LK 02DEC05		SCALE AS SHOWN REV. -	
CADD WLI 02DEC06		CHECK LK 02DEC05		<b>FIGURE 4</b>			
REVIEW							



REVISION DATE: 06/05/12 01:41PM By: sskermmer  
 CADD FILE: N:\Bur-Graphics\Projects\1400\Older than 98\96-1412-853B\961412853B-SK1.dwg



**REFERENCES**

1) Basemap from "Site Plan White Pass Yard Skagway, Alaska" by Underhill Geomatics Ltd. November, 2000.

**LEGEND**

- MW98-1 Monitoring Well Location (Golder Associates)
- MW-1HC Monitoring Well Location (Hart Crowser)
- MW97-5 Monitoring Well Abandoned
- AS-1 Air Sparging Well Location
- SVE-2 Soil Vapour Extraction Well Location
- Former Building Outline

- 0.003 TCE Concentration (mg/L) May 2005
- 0.002 TCE Concentration (mg/L) October 2005
- 0.006 TCE Concentration is above the ADEC Clean-up Level of 0.005 mg/L
- ND Not Detected
- Not Monitored

PROJECT			
WHITE PASS & YUKON ROUTE SHOPS SKAGWAY, ALASKA			
TITLE			
<b>TCE CONCENTRATIONS IN GROUNDWATER MAY AND OCTOBER 2005</b>			
PROJECT No. 96-1412-853B		FILE No. 961412853B-SK1	
DESIGN	LK	02DEC05	SCALE AS SHOWN
CADD	WLJ	02DEC05	REV. -
CHECK	LK	02DEC05	<b>FIGURE 5</b>
REVIEW			





# SKAGWAY RIVER

Approximate Location of Dyke (under Construction)

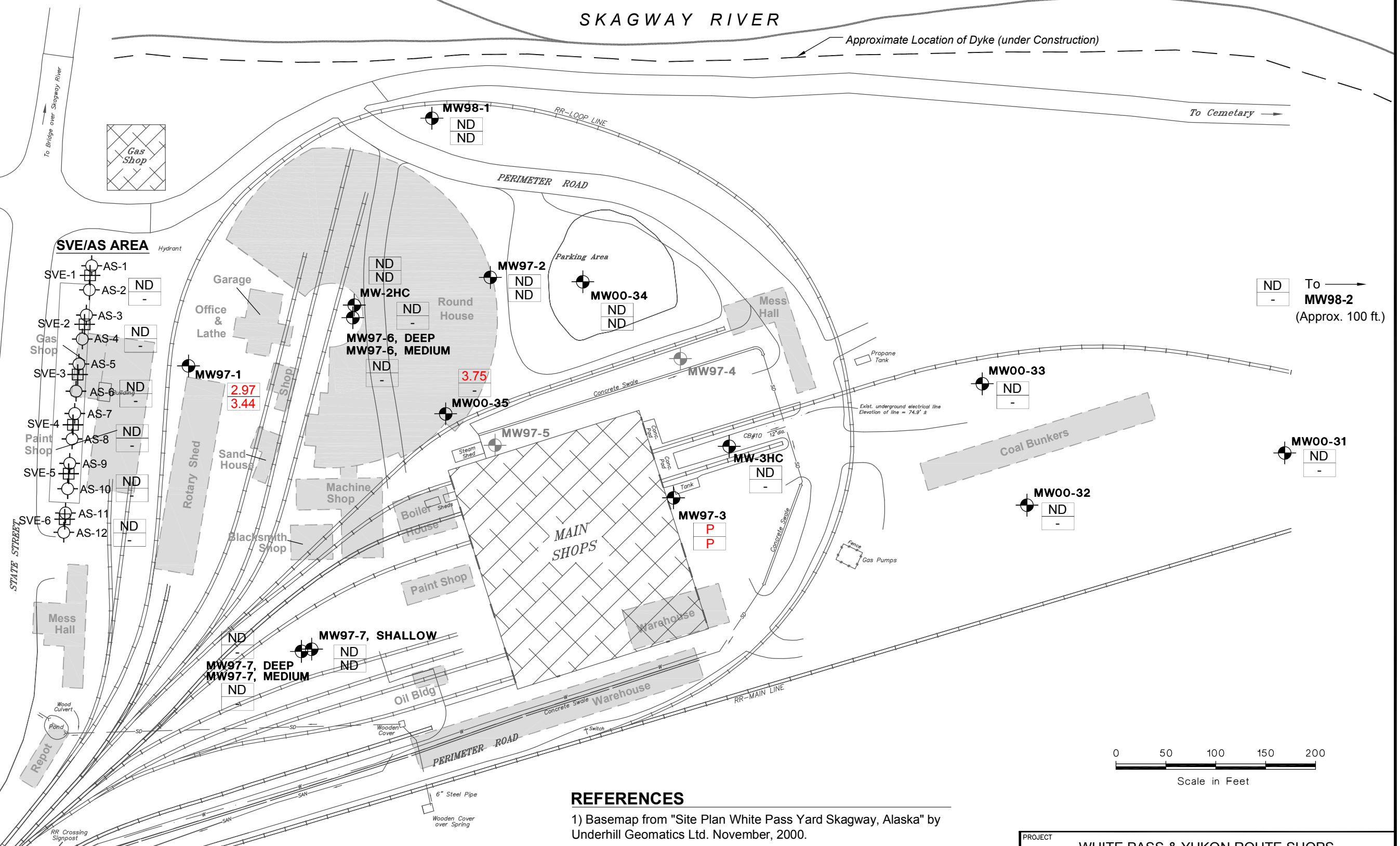
To Cemetary

ALASKA STREET

To **MW-4HC**  
(Approx. 1100 ft.)

To **MW98-2**  
(Approx. 100 ft.)

MAIN STREET



## REFERENCES

1) Basemap from "Site Plan White Pass Yard Skagway, Alaska" by Underhill Geomatics Ltd. November, 2000.

## LEGEND

- MW98-1** Monitoring Well Location (Golder Associates)
- MW-1HC** Monitoring Well Location (Hart Crowser)
- MW97-5** Monitoring Well Abandoned
- AS-1** Air Sparging Well Location
- SVE-2** Soil Vapour Extraction Well Location
- Former Building Outline
- 1.42** DRO Concentration (mg/L) May 2005
- 1.17** DRO Concentration (mg/L) October 2005
- 2.97** DRO Concentration is above the ADEC Clean-up Level of 1.50 mg/L
- ND** Not Detected

- Not Monitored
- Product Detected

Trend Analysis is Based on Mann-Kendall Test  
For Trends (January 1999 - October 2005 Chemistry Data)

PROJECT <b>WHITE PASS &amp; YUKON ROUTE SHOPS SKAGWAY, ALASKA</b>			
TITLE <b>DRO CONCENTRATIONS IN GROUNDWATER MAY AND OCTOBER 2005</b>			
PROJECT No. 96-1412-853B		FILE No. 961412853B-SK1	
DESIGN	LK	02DEC05	SCALE AS SHOWN REV. -
CADD	WLJ	02DEC05	
CHECK	LK	02DEC05	
REVIEW			
			<b>FIGURE 6</b>

REVISION DATE: 06/05/12 01:41 PM By: sskermr  
 CADD FILE: N:\Bur-Graphics\Projects\1400\Older than 98\96-1412-853B\961412853B-SK1.dwg

**Figure 7 Concentration of TCE in Groundwater over Time**

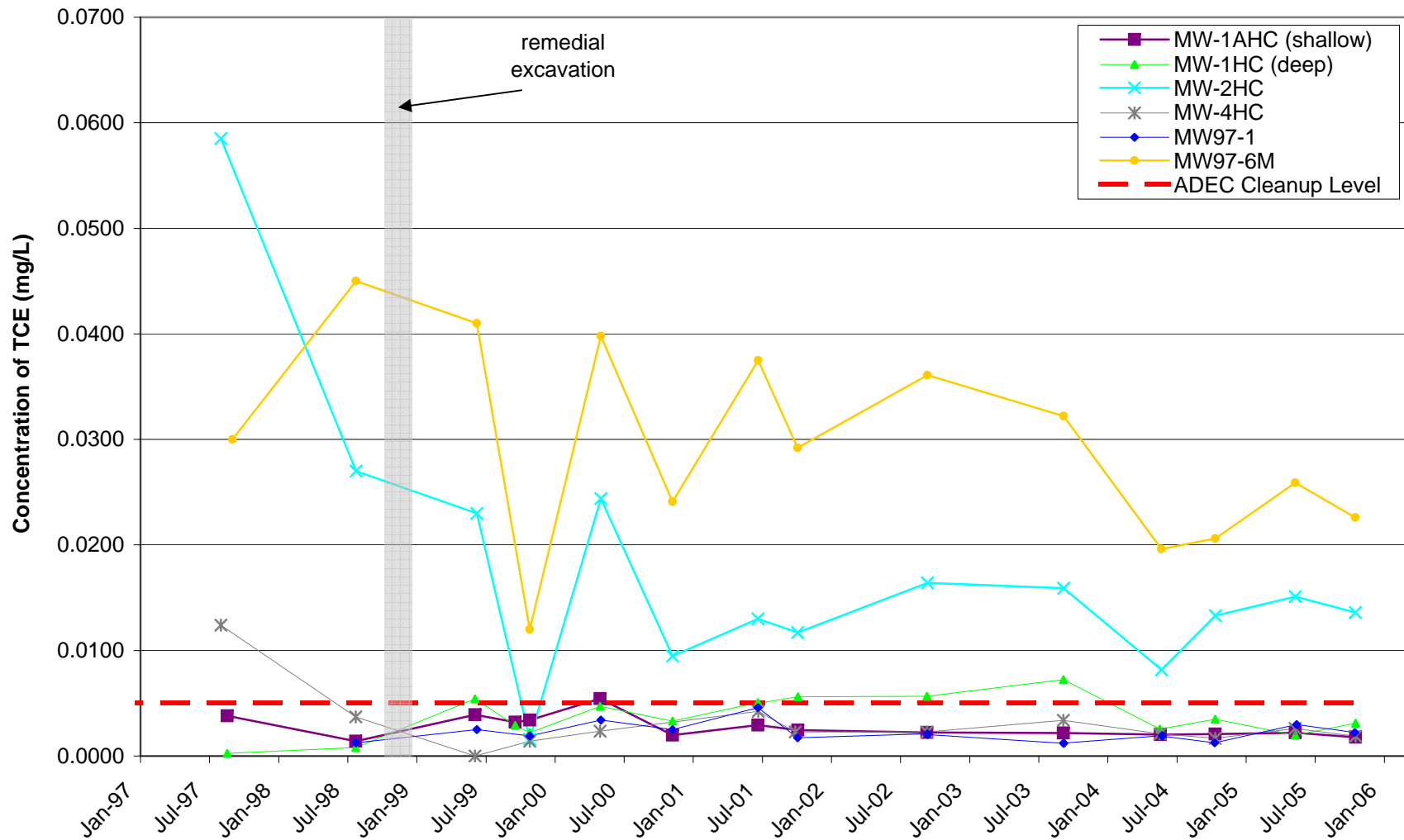
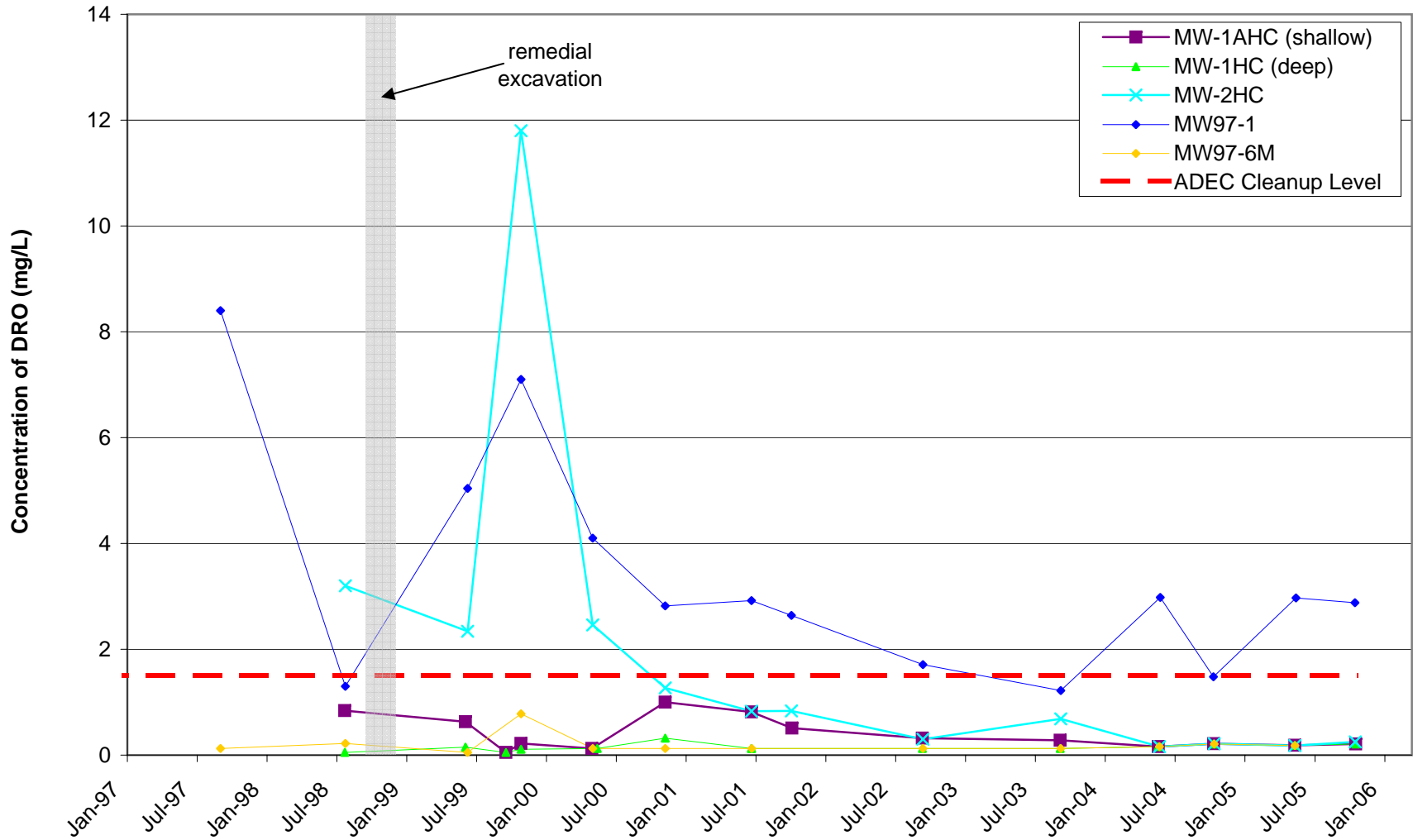


Figure 8 Concentration of DRO in Groundwater over Time





SKAGWAY RIVER

Approximate Location of Dyke (under Construction)

To Cemetery

ALASKA STREET

SVE/AS AREA

Hydrant

Benzene

TP05-3

MW-2HC

Round House

Parking Area

MW00-34

To MW98-2

To MW-4HC

MW-1AHC  
MW-1HC

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

Office & Lathe

Garage

Shop

MW97-6, DEEP  
MW97-6, MEDIUM

MW97-4

MW00-33

STATE STREET

Paint Shop

Rotary Shed

Sand House

Machine Shop

Boiler House

MW00-35

MW97-5

MW-3HC

MW00-32

MW00-31

MAIN STREET

Mess Hall

Blacksmith Shop

Paint Shop

MW97-7, SHALLOW

MW97-7, DEEP  
MW97-7, MEDIUM

Oil Bldg

Warehouse

Warehouse

Repot

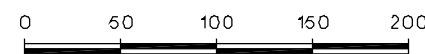
Wooden Cover

6" Steel Pipe

Wooden Cover over Spring

PERIMETER ROAD

RR-MAIN LINE



Scale in Feet

LEGEND

- MW98-1 Monitoring Well Location (Golder Associates)
- MW-1HC Monitoring Well Location (Hart Crowser)
- AS-1 Air Sparging Well Location
- SVE-2 Soil Vapour Extraction Well Location
- TP05-6 Test Pit Locations (Approximate)
- TP05-1 Soil Collected in this Location was above the ADEC Clean-up Level for the Parameter indicated
- MW97-5 Monitoring Well Abandoned
- Former Building Outline

REFERENCES

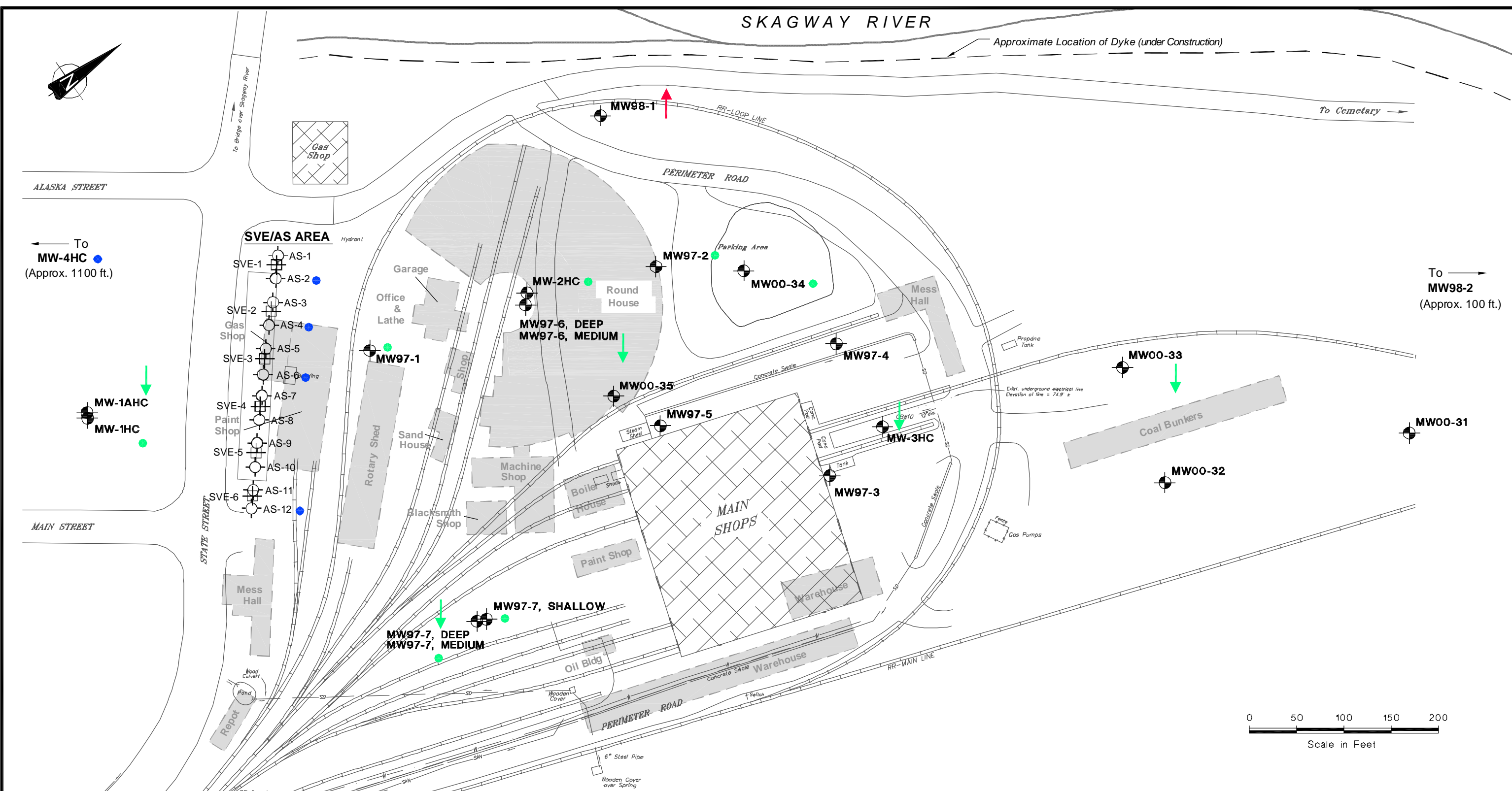
- 1) Basemap from "Site Plan White Pass Yard Skagway, Alaska" by Underhill Geomatics Ltd. November, 2000.

PROJECT				WHITE PASS & YUKON ROUTE SHOPS SKAGWAY, ALASKA			
TITLE				SUMMARY OF RESULTS OF TEST PITTING PROGRAM AUGUST 2005			
PROJECT No. 96-1412-853B		FILE No. 961412853B-SK2		DESIGN LK 02DEC05		SCALE AS SHOWN REV. -	
CADD WLI 02DEC05		CHECK LK 02DEC05		<b>FIGURE 9</b>			
REVIEW							

REVISION DATE: 06/05/12 01:29PM By: sksmer  
 CADD FILE: N:\Bur-Graphics\Projects\1400\Older than 98\96-1412-853B\961412853B-SK2.dwg



REVISION DATE: 06/05/12 01:41PM By: sskermmer  
 CADD FILE: N:\Bur-Graphics\Projects\1400\Older than 98\96-1412-853B\961412853B-SK1.dwg



**LEGEND**

- MW98-1 Monitoring Well Location (Golder Associates)
- MW-1HC Monitoring Well Location (Hart Crowser)
- MW97-5 Monitoring Well Abandoned
- AS-1 Air Sparging Well Location
- SVE-2 Soil Vapour Extraction Well Location
- Former Building Outline

- Decreasing Trend
- Increasing Trend
- No Significant Trend
- Stable

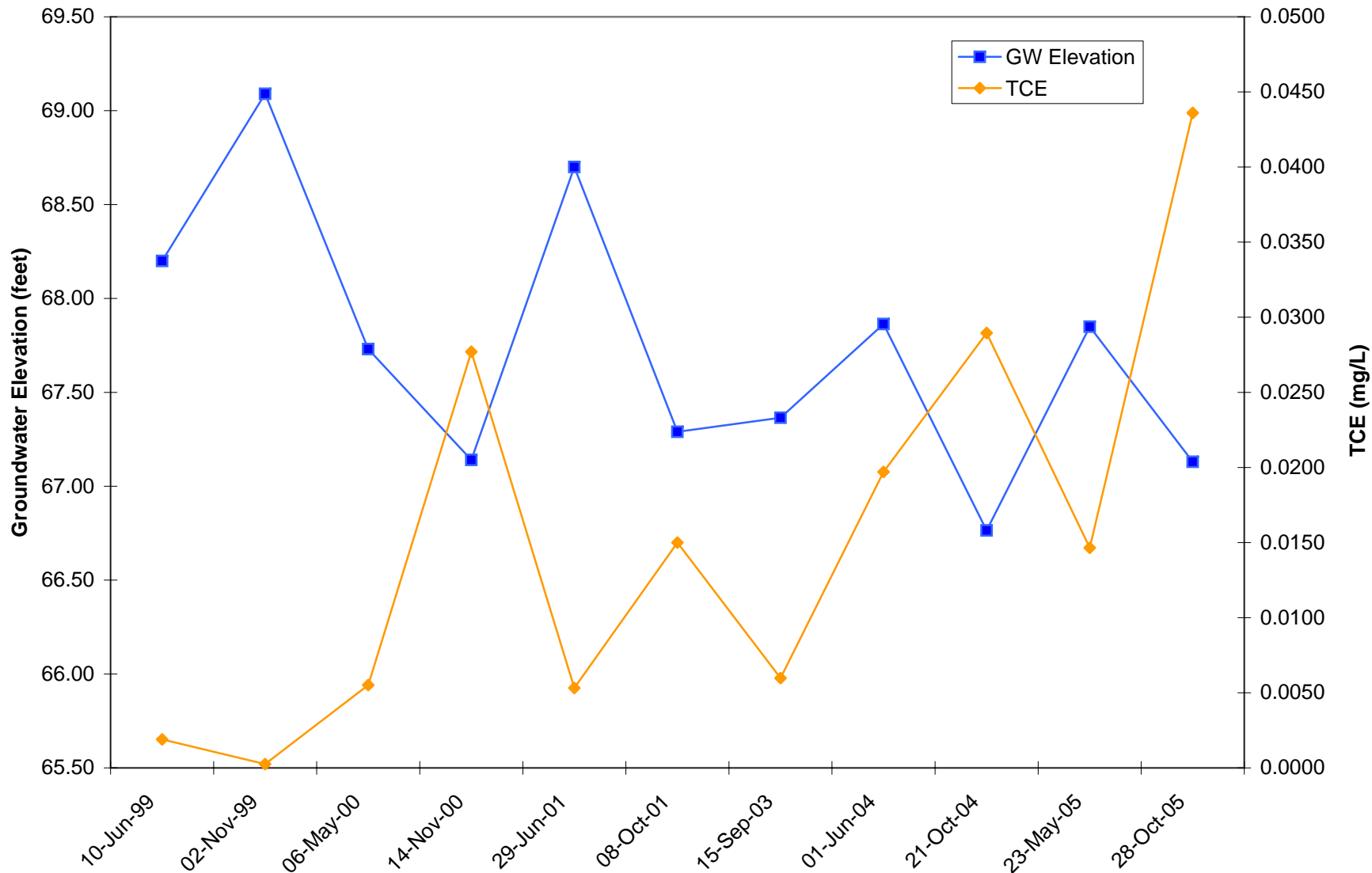
Trend Analysis is Based on Mann-Kendall Test  
 For Trends (January 1999 - October 2005 Chemistry Data)

**REFERENCES**

- 1) Basemap from "Site Plan White Pass Yard Skagway, Alaska" by Underhill Geomatics Ltd. November, 2000.

PROJECT			
WHITE PASS & YUKON ROUTE SHOPS SKAGWAY, ALASKA			
TITLE			
<b>SUMMARY OF STATISTICAL TREND ANALYSIS FOR TCE IN GROUND WATER</b>			
PROJECT No. 96-1412-853B		FILE No. 961412853B-SK1	
DESIGN	LK	02DEC05	SCALE AS SHOWN   REV. -
CADD	WLI	02DEC06	
CHECK	LK	02DEC05	
REVIEW			
		<b>FIGURE 10</b>	

Figure 11: TCE Concentration and Groundwater Elevation in MW98-1 over Time



**APPENDIX I**  
**LABORATORY CHEMISTRY REPORTS**



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
 phone: (425) 420.9200 fax: (425) 420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 phone: (509) 924.9200 fax: (509) 924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 phone: (503) 906.9200 fax: (503) 906.9210  
**Bend** 20332 Emplre Avenue, Suite F-1, Bend, OR 97701-5711  
 phone: (541) 383.9310 fax: 541.382.7588  
**Anchorage** 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119  
 phone: (907) 563.9200 fax: (907) 563.9210

<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	<b>Report Created:</b> 09/14/05 16:06
	Project Number: 96-1412-853B	
	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch Prepared	Analyzed	Notes
PSH1259-27	Soil	TP05-7 S3	Sampled: 08/26/05 12:00						
<i>Toluene-d8</i>		93.0%		42.1 - 144 %	0.01x			09/07/05 13:42	

North Creek Analytical - Portland

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
 phone: (425) 420.9200 fax: (425) 420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 phone: (509) 924.9200 fax: (509) 924.9290  
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 phone: (541) 383.9310 fax: 541.382.7588  
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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name:	<b>WP&amp;YR/Shops/Skagway</b>	<b>Report Created:</b> 09/14/05 16:06
	Project Number:	96-1412-853B	
	Project Manager:	Linda Kemp	

**Percent Dry Weight (Solids) per Standard Methods**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5H1259-05	Soil	TP05-1 S5	Sampled: 08/26/05 12:00							
% Solids	NCA SOP	96.3	---	1.00 % by Weight	1x	5090232	09/07/05	09/08/05	12:04	
P5H1259-09	Soil	TP05-2 S4	Sampled: 08/26/05 12:00							
% Solids	NCA SOP	96.5	---	1.00 % by Weight	1x	5090232	09/07/05	09/08/05	12:04	
P5H1259-11	Soil	TP05-3 S2	Sampled: 08/26/05 12:00							
% Solids	NCA SOP	92.2	----	1.00 % by Weight	1x	5090232	09/07/05	09/08/05	12:04	
P5H1259-15	Soil	TP05-4 S2	Sampled: 08/26/05 12:00							
% Solids	NCA SOP	86.3	----	1.00 % by Weight	1x	5090232	09/07/05	09/08/05	12:04	
P5H1259-21	Soil	TP05-5 S4	Sampled: 08/26/05 12:00							
% Solids	NCA SOP	97.1	----	1.00 % by Weight	1x	5090232	09/07/05	09/08/05	12:04	
P5H1259-24	Soil	TP05-6B S3	Sampled: 08/26/05 12:00							
% Solids	NCA SOP	94.2	----	1.00 % by Weight	1x	5090232	09/07/05	09/08/05	12:04	
P5H1259-27	Soil	TP05-7 S3	Sampled: 08/26/05 12:00							
% Solids	NCA SOP	94.8	---	1.00 % by Weight	1x	5090232	09/07/05	09/08/05	12:04	

North Creek Analytical - Portland

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
 phone: (425) 420.9200 fax: (425) 420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4775  
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 phone: (503) 906.9200 fax: (503) 906.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 phone: (541) 383.9310 fax: 541.382.7588  
 Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119  
 phone: (907) 563.9200 fax: (907) 563.9210

**Golder Associates - Canada**  
 500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**  
 Project Number: 96-1412-853B  
 Project Manager: Linda Kemp

Report Created: 09/14/05 16:06

**Gasoline Range Organics (C6-C10) and BTEX per AK101/8021B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5090159      Soil Preparation Method: EPA 5035A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
Extracted: 09/06/05 10:33															
<b>Blank (5090159-BLK1)</b>															
Gasoline Range Organics	AK101/8021B	ND	--	4.00	mg/kg	1x	--	--	--	--	--	--	09/06/05 14:55		
Benzene	"	ND	--	0.0200	"	"	--	--	--	--	--	--	"		
Toluene	"	ND	--	0.100	"	"	--	--	--	--	--	--	"		
Ethylbenzene	"	ND	--	0.100	"	"	--	--	--	--	--	--	"		
Xylenes (total)	"	ND	--	0.100	"	"	--	--	--	--	--	--	"		
Surrogate(s): a,a,a-TFT (FID)		Recovery:	92.0%	Limits: 50-150%		"									09/06/05 14:55
a,a,a-TFT (PID)			98.0%	50-150%		"									"
Extracted: 09/06/05 10:33															
<b>LCS (5090159-BS1)</b>															
Benzene	AK101/8021B	1.03	--	0.0200	mg/kg	1x	--	1.00	103%	(70-130)	--	--	09/06/05 13:57		
Toluene	"	1.02	--	0.100	"	"	--	"	102%	"	--	--	"		
Ethylbenzene	"	1.04	--	0.100	"	"	--	"	104%	"	--	--	"		
Xylenes (total)	"	3.16	--	0.100	"	"	--	3.00	105%	"	--	--	"		
Surrogate(s): a,a,a-TFT (PID)		Recovery:	98.4%	Limits: 50-150%		"									09/06/05 13:57
Extracted: 09/06/05 10:33															
<b>LCS (5090159-BS2)</b>															
Gasoline Range Organics	AK101/8021B	45.1	--	4.00	mg/kg	1x	--	50.0	90.2%	(60-120)	--	--	09/06/05 13:01		
Surrogate(s): a,a,a-TFT (FID)		Recovery:	101%	Limits: 50-150%		"									09/06/05 13:01
Extracted: 09/06/05 10:33															
<b>LCS Dup (5090159-BSD1)</b>															
Benzene	AK101/8021B	1.06	--	0.0200	mg/kg	1x	--	1.00	106%	(70-130)	2.87% (20)		09/06/05 14:26		
Toluene	"	1.06	--	0.100	"	"	--	"	106%	"	3.85%	"	"		
Ethylbenzene	"	1.08	--	0.100	"	"	--	"	108%	"	3.77%	"	"		
Xylenes (total)	"	3.24	--	0.100	"	"	--	3.00	108%	"	2.50%	"	"		
Surrogate(s): a,a,a-TFT (PID)		Recovery:	102%	Limits: 50-150%		"									09/06/05 14:26
Extracted: 09/06/05 10:33															
<b>LCS Dup (5090159-BSD2)</b>															
Gasoline Range Organics	AK101/8021B	44.2	--	4.00	mg/kg	1x	--	50.0	88.4%	(60-120)	2.02% (20)		09/06/05 13:29		
Surrogate(s): a,a,a-TFT (FID)		Recovery:	100%	Limits: 50-150%		"									09/06/05 13:29
Extracted: 09/06/05 10:33															
<b>Duplicate (5090159-DUP1)</b>															
Gasoline Range Organics	AK101/8021B	ND	--	4.00	mg/kg dry	1x	ND	--	--	--	NR (50)		09/06/05 17:02		
Surrogate(s): a,a,a-TFT (FID)		Recovery:	68.8%	Limits: 50-150%		"									09/06/05 17:02

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**Golder Associates - Canada**  
 500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**  
 Project Number: **96-1412-853B**  
 Project Manager: **Linda Kemp**

Report Created:  
**09/14/05 16:06**

**Gasoline Range Organics (C6-C10) and BTEX per AK101/8021B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: **5090159** Soil Preparation Method: **EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Matrix Spike (5090159-MS1)</b>														
QC Source: PS10073-01							Extracted: 09/06/05 10:33							
Benzene	AK101/8021B	2.03	---	0.0411	mg/kg dry	1x	ND	2.05	99.0%	(65-130)	---	---	09/06/05 22:31	
Toluene	"	2.03	---	0.205	"	"	ND	"	99.0%	"	---	---	"	
Ethylbenzene	"	2.04	---	0.205	"	"	ND	"	99.5%	"	---	---	"	
Xylenes (total)	"	6.18	---	0.205	"	"	ND	6.16	100%	"	---	---	"	
Surrogate(s): a,a,a-TFT (PID) Recovery: 29.0% Limits: 50-150% " 09/06/05 22:31 S-09														

<b>Matrix Spike (5090159-MS2)</b>														
QC Source: PS10073-01							Extracted: 09/06/05 10:33							
Gasoline Range Organics	AK101/8021B	42.0	---	8.21	mg/kg dry	1x	ND	51.3	81.9%	(60-120)	---	---	09/06/05 21:37	S-09
Surrogate(s): a,a,a-TFT (FID) Recovery: 14.2% Limits: 50-150% " 09/06/05 21:37 S-09														

<b>Matrix Spike (5090159-MS3)</b>														
QC Source: PS10155-08							Extracted: 09/06/05 10:33							
Benzene	AK101/8021B	0.350	---	0.00550	mg/kg dry	1x	ND	0.309	113%	(65-130)	---	---	09/07/05 14:49	
Toluene	"	0.332	---	0.0265	"	"	ND	"	107%	"	---	---	"	
Ethylbenzene	"	0.336	---	0.0265	"	"	ND	"	109%	"	---	---	"	
Xylenes (total)	"	1.03	---	0.0265	"	"	ND	0.927	111%	"	---	---	"	
Surrogate(s): a,a,a-TFT (PID) Recovery: 54.6% Limits: 50-150% " 09/07/05 14:49														

<b>Matrix Spike Dup (5090159-MSD1)</b>														
QC Source: PS10073-01							Extracted: 09/06/05 10:33							
Benzene	AK101/8021B	2.09	---	0.0411	mg/kg dry	1x	ND	2.05	102%	(65-130)	2.91% (20)	---	09/06/05 22:59	
Toluene	"	2.09	---	0.205	"	"	ND	"	102%	"	2.91%	"	"	
Ethylbenzene	"	2.12	---	0.205	"	"	ND	"	103%	"	3.85%	"	"	
Xylenes (total)	"	6.41	---	0.205	"	"	ND	6.16	104%	"	3.65%	"	"	
Surrogate(s): a,a,a-TFT (PID) Recovery: 21.8% Limits: 50-150% " 09/06/05 22:59 S-09														

<b>Matrix Spike Dup (5090159-MSD2)</b>														
QC Source: PS10073-01							Extracted: 09/06/05 10:33							
Gasoline Range Organics	AK101/8021B	46.2	---	8.21	mg/kg dry	1x	ND	51.3	90.1%	(60-120)	9.52% (20)	---	09/06/05 22:04	S-09
Surrogate(s): a,a,a-TFT (FID) Recovery: 18.3% Limits: 50-150% " 09/06/05 22:04 S-09														

<b>Matrix Spike Dup (5090159-MSD3)</b>														
QC Source: PS10155-08							Extracted: 09/06/05 10:33							
Benzene	AK101/8021B	0.342	---	0.00550	mg/kg dry	1x	ND	0.309	111%	(65-130)	2.31% (20)	---	09/07/05 15:17	
Toluene	"	0.334	---	0.0265	"	"	ND	"	108%	"	0.601%	"	"	
Ethylbenzene	"	0.335	---	0.0265	"	"	ND	"	108%	"	0.298%	"	"	
Xylenes (total)	"	1.01	---	0.0265	"	"	ND	0.927	109%	"	1.96%	"	"	
Surrogate(s): a,a,a-TFT (PID) Recovery: 55.1% Limits: 50-150% " 09/07/05 15:17														

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**Golder Associates - Canada**

500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**

Project Number: 96-1412-853B

Project Manager: Linda Kemp

Report Created:

09/14/05 16:06

**Gasoline Range Organics (C6-C10) and BTEX per AK101/8021B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5I06003

Water Preparation Method: 5090159

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
Extracted: 09/06/05 00:00												
<b>Instrument Blank (5I06003-IBL1)</b>												
Gasoline Range Organics	AK101/8021B	ND	--	80.0	ug/l	1x	--	--	--	--	09/06/05 09:31	
Benzene	"	0.217	--	0.500	"	"	--	--	--	--	"	
Toluene	"	0.598	--	0.500	"	"	--	--	--	--	"	
Ethylbenzene	"	0.404	--	0.500	"	"	--	--	--	--	"	
Xylenes (total)	"	2.54	--	1.00	"	"	--	--	--	--	"	
				Limits: 60-120%		"						09/06/05 09:31
Surrogate(s): 4-BFB (FID)				60-120%		"						
4-BFB (PID)												

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500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: WP&YR/Shops/Skagway

Project Number: 96-1412-853B

Project Manager: Linda Kemp

Report Created:

09/14/05 16:06

**Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103 - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5090171

Soil Preparation Method: EPA 3550 Fuels

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Extracted: 09/06/05 16:20														
<b>Blank (5090171-BLK1)</b>														
Diesel Range Organics	AK102/103	ND	--	25.0	mg/kg	1x	--	--	--	--	--	--	09/08/05 06:54	
Residual Range Organics	"	ND	--	50.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1-Chlorooctadecane		Recovery:	94.4%	Limits: 50-150%		"							09/08/05 06:54	
Triacontane			114%	50-150%		"							"	
Extracted: 09/06/05 16:20														
<b>LCS (5090171-BS1)</b>														
Diesel Range Organics	AK102/103	127	--	25.0	mg/kg	1x	--	125	102%	(75-125)	--	--	09/08/05 07:31	
Residual Range Organics	"	76.3	--	50.0	"	"	--	75.2	101%	(60-120)	--	--	"	
Surrogate(s): 1-Chlorooctadecane		Recovery:	79.7%	Limits: 60-120%		"							09/08/05 07:31	
Triacontane			116%	60-120%		"							"	
QC Source: PSH1259-05      Extracted: 09/06/05 16:20														
<b>Duplicate (5090171-DUP1)</b>														
Diesel Range Organics	AK102/103	42.0	--	25.0	mg/kg dry	1x	58.0	--	--	--	32.0% (50)	--	09/08/05 08:08	
Residual Range Organics	"	ND	--	50.0	"	"	ND	--	--	--	44.8%	--	"	
Surrogate(s): 1-Chlorooctadecane		Recovery:	88.5%	Limits: 50-150%		"							09/08/05 08:08	
Triacontane			122%	50-150%		"							"	

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**Golder Associates - Canada**

500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**  
 Project Number: 96-1412-853B  
 Project Manager: Linda Kemp

Report Created:  
 09/14/05 16:06

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**

North Creek Analytical - Portland

QC Batch: 5090204 Soil Preparation Method: EPA 5035A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
Blank (5090204-BLK1)												
Extracted: 09/07/05 08:41												
Acetone	EPA 8260B	ND	---	2500	ug/kg	1x	--	--	--	--	09/07/05 12:47	
Benzene	"	ND	---	100	"	"	--	--	--	--	"	
Bromobenzene	"	ND	---	100	"	"	--	--	--	--	"	
Bromochloromethane	"	ND	---	100	"	"	--	--	--	--	"	
Bromodichloromethane	"	ND	---	100	"	"	--	--	--	--	"	
Bromofom	"	ND	---	100	"	"	--	--	--	--	"	
Bromomethane	"	ND	---	500	"	"	--	--	--	--	"	
2-Butanone	"	ND	---	1000	"	"	--	--	--	--	"	
n-Butylbenzene	"	ND	---	500	"	"	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	"	
Carbon disulfide	"	ND	---	1000	"	"	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	100	"	"	--	--	--	--	"	
Chlorobenzene	"	ND	---	100	"	"	--	--	--	--	"	
Chloroethane	"	ND	---	100	"	"	--	--	--	--	"	
Chloroform	"	ND	---	100	"	"	--	--	--	--	"	
Chloromethane	"	ND	---	500	"	"	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	100	"	"	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	100	"	"	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	500	"	"	--	--	--	--	"	
Dibromochloromethane	"	ND	---	100	"	"	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	100	"	"	--	--	--	--	"	
Dibromomethane	"	ND	---	100	"	"	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	500	"	"	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	100	"	"	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	100	"	"	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	"	
Ethylbenzene	"	ND	---	100	"	"	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	400	"	"	--	--	--	--	"	
2-Hexanone	"	ND	---	1000	"	"	--	--	--	--	"	

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created:
500-4260 Still Creek Drive	Project Number: 96-1412-853B	09/14/05 16:06
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5090204      Soil Preparation Method: EPA 5035A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5090204-BLK1)													Extracted: 09/07/05 08:41	
Isopropylbenzene	EPA 8260B	ND	---	200	ug/kg	1x	--	--	--	--	--	--	09/07/05 12:47	
p-Isopropyltoluene	"	ND	---	200	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	200	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	100	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	200	"	"	--	--	--	--	--	--	"	

Surrogate(s): 4-BFB	Recovery:	98.0%	Limits:	42.6-130% 0.01x	09/07/05 12:47
1,2-DCA-d4		94.5%		57.3-144%	"
Dibromofluoromethane		91.0%		45.5-130%	"
Toluene-d8		92.0%		42.1-144%	"

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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**Golden Associates - Canada**  
 500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**  
 Project Number: **96-1412-853B**  
 Project Manager: **Linda Kemp**

Report Created:  
**09/14/05 16:06**

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: **5090204** Soil Preparation Method: **EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
Extracted: 09/07/05 08:41												
<b>LCS (5090204-BS1)</b>												
Benzene	EPA 8260B	2090	---	100	ug/kg	1x	--	2000	104% (81.9-125)	--	--	09/07/05 10:30
Chlorobenzene	"	1940	---	100	"	"	--	"	97.0% (79.2-125)	--	--	"
1,1-Dichloroethene	"	1740	---	100	"	"	--	"	87.0% (66.1-125)	--	--	"
Toluene	"	1850	---	100	"	"	--	"	92.5% (80-125)	--	--	"
Trichloroethene	"	1890	---	100	"	"	--	"	94.5% (76-125)	--	--	"
09/07/05 10:30												
<i>Surrogate(s): 4-BFB</i>		<i>Recovery:</i>		<i>100%</i>		<i>Limits: 42.6-130% 0.01x</i>						
<i>1,2-DCA-d4</i>		<i>99.0%</i>		<i>57.3-144%</i>								
<i>Dibromofluoromethane</i>		<i>88.5%</i>		<i>45.5-130%</i>								
<i>Toluene-d8</i>		<i>92.5%</i>		<i>42.1-144%</i>								

QC Source: P5H1259-05												
Extracted: 09/07/05 08:41												
<b>Matrix Spike (5090204-MS1)</b>												
Benzene	EPA 8260B	475	---	22.2	ug/kg dry	1x	ND	461	103% (68.5-125)	--	--	09/07/05 10:58
Chlorobenzene	"	457	---	22.2	"	"	ND	"	99.1% (65.9-125)	--	--	"
1,1-Dichloroethene	"	401	---	22.2	"	"	ND	"	87.0% (55.8-125)	--	--	"
Toluene	"	464	---	22.2	"	"	30.2	"	94.1% (70.3-125)	--	--	"
Trichloroethene	"	445	---	22.2	"	"	5.07	"	95.4% (65.5-125)	--	--	"
09/07/05 10:58												
<i>Surrogate(s): 4-BFB</i>		<i>Recovery:</i>		<i>98.0%</i>		<i>Limits: 42.6-130% 0.01x</i>						
<i>1,2-DCA-d4</i>		<i>91.5%</i>		<i>57.3-144%</i>								
<i>Dibromofluoromethane</i>		<i>87.4%</i>		<i>45.5-130%</i>								
<i>Toluene-d8</i>		<i>92.2%</i>		<i>42.1-144%</i>								

QC Source: P5H1259-05												
Extracted: 09/07/05 08:41												
<b>Matrix Spike Dup (5090204-MSD1)</b>												
Benzene	EPA 8260B	480	---	22.2	ug/kg dry	1x	ND	461	104% (68.5-125)	1.05%	(25)	09/07/05 11:26
Chlorobenzene	"	443	---	22.2	"	"	ND	"	96.1% (65.9-125)	3.11%	"	"
1,1-Dichloroethene	"	402	---	22.2	"	"	ND	"	87.2% (55.8-125)	0.249%	"	"
Toluene	"	455	---	22.2	"	"	30.2	"	92.1% (70.3-125)	1.96%	"	"
Trichloroethene	"	451	---	22.2	"	"	5.07	"	96.7% (65.5-125)	1.34%	"	"
09/07/05 11:26												
<i>Surrogate(s): 4-BFB</i>		<i>Recovery:</i>		<i>103%</i>		<i>Limits: 42.6-130% 0.01x</i>						
<i>1,2-DCA-d4</i>		<i>93.5%</i>		<i>57.3-144%</i>								
<i>Dibromofluoromethane</i>		<i>89.8%</i>		<i>45.5-130%</i>								
<i>Toluene-d8</i>		<i>91.8%</i>		<i>42.1-144%</i>								

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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**Golder Associates - Canada**

500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**  
 Project Number: 96-1412-853B  
 Project Manager: Linda Kemp

Report Created:  
 09/14/05 16:06

**Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5090232		Soil Preparation Method: Dry Weight											
Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes	
<b>Duplicate (5090232-DUP1)</b>													
% Solids	NCA SOP	93.7	--	1.00	% by Weight	1x	93.8	--	--	0.107% (20)	09/08/05 12:04	Extracted: 09/07/05 12:39	QC Source: P5H1253-03
<b>Duplicate (5090232-DUP2)</b>													
% Solids	NCA SOP	92.4	--	1.00	% by Weight	1x	92.4	--	--	0.00% (20)	09/08/05 12:04	Extracted: 09/07/05 12:39	QC Source: P5H1253-04
<b>Duplicate (5090232-DUP3)</b>													
% Solids	NCA SOP	93.2	--	1.00	% by Weight	1x	92.1	--	--	1.19% (20)	09/08/05 12:04	Extracted: 09/07/05 12:39	QC Source: P5H1253-05
<b>Duplicate (5090232-DUP4)</b>													
% Solids	NCA SOP	85.1	--	1.00	% by Weight	1x	86.3	--	--	1.40% (20)	09/08/05 12:04	Extracted: 09/07/05 12:39	QC Source: P5H1253-06

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North Creek Analytical - Portland

*Marv A. Fritzmann Smith*

Marv A. Fritzmann Smith, Project Manager

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 phone: (907) 563.9200 fax: (907) 563.9210

**Golder Associates - Canada**

500-4260 Still Creek Drive  
Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**  
 Project Number: **96-1412-853B**  
 Project Manager: **Linda Kemp**

Report Created:  
09/14/05 16:06

**Notes and Definitions**

Report Specific Notes:

- R-05 - Reporting limits raised due to dilution necessary for analysis. Sample contains high levels of reported analyte, non-target analyte, and/or matrix interference.
- S-09 - Surrogate recovery is outside control limits due to matrix interference.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR / NA - Not Reported / Not Available
- dry - Sample results reported on a dry weight basis. Reporting Limits are corrected for %Solids when %Solids are <50%.
- wet - Sample results and reporting limits reported on a wet weight basis (as received).
- RPD - Relative Percent Difference. (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL\* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. \*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

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North Creek Analytical - Portland

*Mary A. Fay Smith*

Mary A. Fay Smith Project Manager

North Creek Analytical,  
Environmental Laboratory Network



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 20332 Empire Ave, Ste F1, Bend, OR 97701-5712 FAX 563-9210  
 2000 W Intercontinental Airport Rd Ste A10, Anchorage, AK 99502-1119 FAX 563-9200

**CHAIN OF CUSTODY REPORT**

Work Order #: 05H1659

INVOICE TO:

NCA CLIENT: Goldex Associates  
 REPORT TO: Linda Kemp  
 ADDRESS: 500-42160 Still Creek Drive  
Burnaby, BC  
 PHONE: 604-296-2810  
 PROJECT NAME: Skagway Shops  
 PROJECT NUMBER: 96-1412-853B

**TURNAROUND REQUEST**

In Business Days:  
 Organic & Inorganic Analyses  
 Petroleum Hydrocarbon Analyses

OTHER  Specify:

**REQUESTED ANALYSES**

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	Hold	Field	BTEX	GRD	DEP	VOCs	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA W/O ID
1 TP05-1 S1	Aug 26 '05	✓	✓					S	2		
2 TP05-1 S2	Aug 26 '05	✓	✓					S	2		
3 TP05-1 S3	"	✓	✓					S	2		
4 TP05-1 S4	"	✓	✓	✓	✓	✓	✓	S	2		
5 TP05-1 S5	"	✓	✓	✓	✓	✓	✓	S	2		
6 TP05-2 S1	"	✓	✓	✓	✓	✓	✓	S	2		
7 TP05-2 S2	"	✓	✓	✓	✓	✓	✓	S	2		
8 TP05-2 S3	"	✓	✓	✓	✓	✓	✓	S	2		
9 TP05-2 S4	"	✓	✓	✓	✓	✓	✓	S	2		
10 TP05-3 S1	"	✓	✓	✓	✓	✓	✓	S	2		

RECEIVED BY: \_\_\_\_\_ DATE: Aug 30 '05  
 PRINT NAME: \_\_\_\_\_ TIME: 8 AM  
 RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PRINT NAME: \_\_\_\_\_ TIME: \_\_\_\_\_

ADDITIONAL REMARKS:  
I will call/fax analyses request info. Please hold samples.



425-420-9200  
 PAX 420-9210  
 509-924-9200  
 PAX 924-9200  
 503-906-9200  
 PAX 906-9210  
 541-383-9310  
 PAX 382-7588  
 907-563-9200  
 PAX 563-9210

**CHAIN OF CUSTODY REPORT**

**TURNAROUND REQUEST**

In Business Days  
 Organic & Inorganic Analyses  
 Petroleum Hydrocarbon Analyses

1  
 2  
 3  
 4  
 5

1  
 2  
 3  
 4  
 5

1  
 2  
 3  
 4  
 5

Work Order #: **PS # 1154**  
 INVOICE TO:

NCA CLIENT: **Colder Associates**  
 REPORT TO: **Linda Kemp**  
 ADDRESS: **4050-4200 StillCreek Drive**  
**StillCreek Drive**  
**PHONE: (604) 290-2810 FAX: (604) 298-5253**  
**PROJECT NAME: Skagway Shops**  
**PROJECT NUMBER: 96-1412-853B**  
**SAMPLED BY: L Kemp**

P.O. NUMBER: **96-1412-853B**  
**PRESERVATIVE**

**REQUESTED ANALYSES**  
 VOCs  
 Pb  
 Cd  
 Cr  
 BiEx  
 Hcd  
 Hcd

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	Hcd	Hcd	BiEx	Cr	Pb	VOCs	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	NCA W/O ID
1 TPO5-3 S2	Aug. 26 '05	✓	✓	✓	✓	✓		S	2		
2 TPO5-3 S3	"	✓	✓	✓	✓	✓		S	2		
3 TPO5-3 S4	"	✓	✓	✓	✓	✓		S	2		
4 TPO5-4 S1	"	✓	✓	✓	✓	✓		S	2		
5 TPO5-4 S2	"	✓	✓	✓	✓	✓		S	2		
6 TPO5-4 S3	"	✓	✓	✓	✓	✓		S	2		
7 TPO5-4 S4	"	✓	✓	✓	✓	✓		S	2		
8 TPO5-5 S1	"	✓	✓	✓	✓	✓		S	2		
9 TPO5-5 S2	"	✓	✓	✓	✓	✓		S	2		
10 TPO5-5 S3	"	✓	✓	✓	✓	✓		S	2		

RECEIVED BY: **AVS BVS**  
 DATE: **8/30/05**  
 TIME: **8 AM**  
 RECEIVED BY: **Colder**  
 DATE: **8/30/05**  
 TIME: **8 AM**  
 RECEIVED BY: **Linda Kemp**  
 DATE: **8/30/05**  
 TIME: **8 AM**

FIRM: **Colder**  
 FIRM: **Colder**  
 FIRM: **Colder**  
 FIRM: **Colder**  
 FIRM: **Colder**  
 FIRM: **Colder**  
 FIRM: **Colder**  
 FIRM: **Colder**  
 FIRM: **Colder**  
 FIRM: **Colder**  
 FIRM: **Colder**

ADDITIONAL REMARKS:  
**None. hold samples. I will call/fax analyses request info.**





435-430-9200 FAX 430-9210  
 509-974-9200 FAX 924-9296  
 503-906-9200 FAX 906-9210  
 541-383-9310 FAX 382-7588  
 907-563-9200 FAX 563-9210

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 20332 Empire Ave, Ste F1, Beav, OR 97101-5712  
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

# CHAIN OF CUSTODY REPORT

## TURNAROUND REQUEST

INVOICE TO:		PRESERVATIVE		REQUESTED ANALYSES										OTHER Analyte		FIRM:		DATE:	
NCA CLIENT:	REPORT TO:	P.O. NUMBER:	PROJECT NAME:											OTHER Analyte	RECEIVED BY:	DATE:	FIRM:	TIME:	
Goldax Associates	Linda Kemp	96-1412-8538	Skagway Shops	VOCs	Geo	BTEX	hold	hold	Geo	DRO									
ADDRESS:	PHONE:	PROJECT NUMBER:		APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	
500-4260 Still Creek Drive	604-296-2810	96-1412-8538		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Burnaby, BC		MAY: 604 298-5753		MATRIX (W, S, O)											MATRIX	DATE:	FIRM:	TIME:	
				MATRIX											MATRIX	DATE:	FIRM:	TIME:	
SAMPLED BY: Linda Kemp	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME		MATRIX											MATRIX	DATE:	FIRM:	TIME:	
				MATRIX											MATRIX	DATE:	FIRM:	TIME:	
				MATRIX											MATRIX	DATE:	FIRM:	TIME:	
				MATRIX											MATRIX	DATE:	FIRM:	TIME:	
				MATRIX											MATRIX	DATE:	FIRM:	TIME:	
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				MATRIX											MATRIX	DATE:	FIRM:	TIME:	
				MATRIX											MATRIX	DATE:	FIRM:	TIME:	
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				MATRIX											MATRIX	DATE:	FIRM:	TIME:	
				MATRIX											MATRIX	DATE:	FIRM:	TIME:	
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				MATRIX											MATRIX	DATE:	FIRM:	TIME:	
				MATRIX											MATRIX	DATE:	FIRM:	TIME:	

\*\* TOTAL PAGE 04 P. 04

Additional Remarks: Please hold samples. I will call/fax for analysis request.



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907.563.9200 fax 907.563.9210

November 15, 2005

Linda Kemp  
Golder Associates - Canada  
500-4260 Still Creek Drive  
Burnaby, BC/CAN V5C6C6

RE: WP&YR/Shops/Skagway

Enclosed are the results of analyses for samples received by the laboratory on 11/02/05 12:20.  
The following list is a summary of the NCA Work Orders contained in this report.  
If you have any questions concerning this report, please feel free to contact me.

---

<u>Work</u>	<u>Project</u>	<u>ProjectNumber</u>
P5K0124	WP&YR/Shops/Skagway	96-1412-853B

---

Thank You,

---

Mary A. Fritzmann Smith, Project Manager

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North Creek Analytical, Inc.  
Environmental Laboratory Network



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 phone: (907) 563.9200 fax: (907) 563.9210

<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name:	<u>WP&amp;YR/Shops/Skagway</u>	<b>Report Created:</b> 11/15/05 19:34
	Project Number:	96-1412-853B	
	Project Manager:	Linda Kemp	

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
11012-01	P5K0124-01	Water	10/25/05 12:00	11/02/05 12:20
11012-02	P5K0124-02	Water	10/25/05 12:00	11/02/05 12:20
11012-03	P5K0124-03	Water	10/26/05 12:00	11/02/05 12:20
11012-04	P5K0124-04	Water	10/26/05 12:00	11/02/05 12:20
11012-05	P5K0124-05	Water	10/26/05 12:00	11/02/05 12:20
11012-06	P5K0124-06	Water	10/26/05 12:00	11/02/05 12:20
11012-07	P5K0124-07	Water	10/27/05 12:00	11/02/05 12:20
11012-08	P5K0124-08	Water	10/27/05 12:00	11/02/05 12:20
11012-09	P5K0124-09	Water	10/27/05 12:00	11/02/05 12:20
11012-10	P5K0124-10	Water	10/27/05 12:00	11/02/05 12:20
11012-11	P5K0124-11	Water	10/27/05 12:00	11/02/05 12:20
11012-12	P5K0124-12	Water	10/27/05 12:00	11/02/05 12:20
11013-01	P5K0124-13	Water	10/27/05 12:00	11/02/05 12:20
11013-02	P5K0124-14	Water	10/27/05 12:00	11/02/05 12:20
11013-03	P5K0124-15	Water	10/28/05 12:00	11/02/05 12:20
11013-04	P5K0124-16	Water	10/28/05 12:00	11/02/05 12:20
11013-05	P5K0124-17	Water	10/28/05 12:00	11/02/05 12:20
11013-06	P5K0124-18	Water	10/28/05 12:00	11/02/05 12:20
11013-07	P5K0124-19	Water	10/28/05 12:00	11/02/05 12:20

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created:
500-4260 Still Creek Drive	Project Number: 96-1412-853B	11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Gasoline Range Organics (C6-C10) per AK101**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-05	Water	11012-05	Sampled: 10/26/05 12:00							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5110182	11/03/05	11/03/05 20:32	
Surrogate(s): 4-BFB (FID)		Recovery: 99.6%		Limits: 43.8 - 132 %						
P5K0124-06	Water	11012-06	Sampled: 10/26/05 12:00							
Gasoline Range Organics	AK101 GRO	ND	----	80.0	ug/l	1x	5110182	11/03/05	11/03/05 21:02	
Surrogate(s): 4-BFB (FID)		Recovery: 93.6%		Limits: 43.8 - 132 %						
P5K0124-09	Water	11012-09	Sampled: 10/27/05 12:00							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5110182	11/03/05	11/03/05 21:32	
Surrogate(s): 4-BFB (FID)		Recovery: 81.6%		Limits: 43.8 - 132 %						
P5K0124-10	Water	11012-10	Sampled: 10/27/05 12:00							
Gasoline Range Organics	AK101 GRO	ND	----	80.0	ug/l	1x	5110182	11/03/05	11/03/05 22:02	
Surrogate(s): 4-BFB (FID)		Recovery: 89.4%		Limits: 43.8 - 132 %						
P5K0124-12	Water	11012-12	Sampled: 10/27/05 12:00							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5110182	11/03/05	11/03/05 22:32	
Surrogate(s): 4-BFB (FID)		Recovery: 88.6%		Limits: 43.8 - 132 %						
P5K0124-14	Water	11013-02	Sampled: 10/27/05 12:00							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5110182	11/03/05	11/03/05 23:02	
Surrogate(s): 4-BFB (FID)		Recovery: 89.2%		Limits: 43.8 - 132 %						
P5K0124-16	Water	11013-04	Sampled: 10/28/05 12:00							
Gasoline Range Organics	AK101 GRO	ND	----	80.0	ug/l	1x	5110182	11/03/05	11/04/05 00:02	
Surrogate(s): 4-BFB (FID)		Recovery: 87.0%		Limits: 43.8 - 132 %						
P5K0124-17	Water	11013-05	Sampled: 10/28/05 12:00							
Gasoline Range Organics	AK101 GRO	ND	----	80.0	ug/l	1x	5110182	11/03/05	11/04/05 00:32	
Surrogate(s): 4-BFB (FID)		Recovery: 87.0%		Limits: 43.8 - 132 %						

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shons/Skagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 11/15/05 19:34
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**Gasoline Range Organics (C6-C10) per AK101**  
North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PSK0124-18</b>	Water	11013-06	Sampled: 10/28/05 12:00							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5110182	11/03/05	11/04/05 01:01	
Surrogate(s): 4-BFB (FID)		Recovery: 83.2%	Limits: 43.8 - 132 %							
<b>PSK0124-19</b>	Water	11013-07	Sampled: 10/28/05 12:00							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5110182	11/03/05	11/04/05 01:32	
Surrogate(s): 4-BFB (FID)		Recovery: 84.4%	Limits: 43.8 - 132 %							

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<b>Goldier Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 11/15/05 19:34
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**Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103 Low Volume**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5K0124-05</b>	Water	11012-05	<b>Sampled: 10/26/05 12:00</b>							
Diesel Range Organics	AK102/103	2.88	---	0.435	mg/l	1x	5110235	11/04/05	11/05/05 14:59	
Residual Range Organics	"	ND	---	0.522	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 75.2%		Limits: 50 - 150 %		"				
	Triacotane	66.3%		50 - 150 %		"				
<b>P5K0124-06</b>	Water	11012-06	<b>Sampled: 10/26/05 12:00</b>							
Diesel Range Organics	AK102/103	4.00	---	0.435	mg/l	1x	5110235	11/04/05	11/05/05 15:32	
Residual Range Organics	"	0.580	---	0.522	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 103%		Limits: 50 - 150 %		"				
	Triacotane	89.0%		50 - 150 %		"				
<b>P5K0124-09</b>	Water	11012-09	<b>Sampled: 10/27/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.500	mg/l	1x	5110235	11/04/05	11/05/05 16:06	
Residual Range Organics	"	ND	---	0.600	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 92.3%		Limits: 50 - 150 %		"				
	Triacotane	77.6%		50 - 150 %		"				
<b>P5K0124-10</b>	Water	11012-10	<b>Sampled: 10/27/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.500	mg/l	1x	5110235	11/04/05	11/05/05 16:39	
Residual Range Organics	"	ND	---	0.600	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 106%		Limits: 50 - 150 %		"				
	Triacotane	90.6%		50 - 150 %		"				
<b>P5K0124-12</b>	Water	11012-12	<b>Sampled: 10/27/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.500	mg/l	1x	5110235	11/04/05	11/05/05 17:13	
Residual Range Organics	"	ND	---	0.600	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 105%		Limits: 50 - 150 %		"				
	Triacotane	87.5%		50 - 150 %		"				
<b>P5K0124-14</b>	Water	11013-02	<b>Sampled: 10/27/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.500	mg/l	1x	5110235	11/04/05	11/05/05 17:46	
Residual Range Organics	"	ND	---	0.600	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 100%		Limits: 50 - 150 %		"				
	Triacotane	82.9%		50 - 150 %		"				

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	11/15/05 19:34

**Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103 Low Volume**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5K0124-16</b>	<b>Water</b>	<b>11013-04</b>	<b>Sampled: 10/28/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.417	mg/l	1x	5110235	11/04/05	11/05/05 18:20	
Residual Range Organics	"	ND	---	0.500	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 113%		Limits: 50 - 150 %		"				"
	Triacontane	94.4%		50 - 150 %		"				"
<b>P5K0124-17</b>	<b>Water</b>	<b>11013-05</b>	<b>Sampled: 10/28/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.417	mg/l	1x	5110235	11/04/05	11/05/05 18:53	
Residual Range Organics	"	ND	---	0.500	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 109%		Limits: 50 - 150 %		"				"
	Triacontane	88.3%		50 - 150 %		"				"
<b>P5K0124-18</b>	<b>Water</b>	<b>11013-06</b>	<b>Sampled: 10/28/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.417	mg/l	1x	5110235	11/04/05	11/05/05 20:33	
Residual Range Organics	"	ND	---	0.500	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 107%		Limits: 50 - 150 %		"				"
	Triacontane	90.0%		50 - 150 %		"				"
<b>P5K0124-19</b>	<b>Water</b>	<b>11013-07</b>	<b>Sampled: 10/28/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.435	mg/l	1x	5110235	11/04/05	11/05/05 21:07	
Residual Range Organics	"	ND	---	0.522	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 113%		Limits: 50 - 150 %		"				"
	Triacontane	92.8%		50 - 150 %		"				"

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<b>Golder Associates - Canada</b>	Project Name: <u>WP&amp;YR/Shops/Skagway</u>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-01	Water	11012-01	Sampled: 10/25/05 12:00							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5110304	11/06/05	11/06/05 13:21	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	5.19	---	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;VR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5K0124-01</b>	<b>Water</b>	<b>11012-01</b>	<b>Sampled: 10/25/05 12:00</b>							
p-Isopropyltoluene	EPA 8260B	ND	---	2.00	ug/l	1x	5110304	11/06/05	11/06/05 13:21	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
Trichloroethene	"	10.4	----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylene	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>Recovery: 88.5%</i>		<i>Limits: 75 - 120 %</i>	"					"
	<i>1,2-DCA-d4</i>	<i>102%</i>		<i>77 - 129 %</i>	"					"
	<i>Dibromofluoromethane</i>	<i>101%</i>		<i>80 - 121 %</i>	"					"
	<i>Toluene-d8</i>	<i>97.5%</i>		<i>80 - 120 %</i>	"					"

<b>P5K0124-02</b>	<b>Water</b>	<b>11012-02</b>	<b>Sampled: 10/25/05 12:00</b>							
Acetone	EPA 8260B	ND	----	25.0	ug/l	1x	5110304	11/06/05	11/06/05 13:48	
Benzene	"	ND	----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromoform	"	ND	----	1.00	"	"	"	"	"	
Bromomethane	"	ND	----	5.00	"	"	"	"	"	
2-Butanone	"	ND	----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	1.00	"	"	"	"	"	

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <u>WP&amp;YR/Shops/Skagway</u>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	11/15/05 19:34

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-02	Water	11012-02								Sampled: 10/25/05 12:00
Chlorobenzene	EPA 8260B	ND	----	1.00	ug/l	1x	5110304	11/06/05	11/06/05 13:48	
Chloroethane	"	ND	----	1.00	"	"	"	"	"	"
Chloroform	"	ND	----	1.00	"	"	"	"	"	"
Chloromethane	"	ND	----	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	----	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	2.83	----	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	----	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	----	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	----	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	----	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	----	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	"
Naphthalene	"	ND	----	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Styrene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	"
Toluene	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created: <b>11/15/05 19:34</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-02	Water	11012-02	Sampled: 10/25/05 12:00							
1,1,1-Trichloroethane	EPA 8260B	ND	---	1.00	ug/l	1x	5110304	11/06/05	11/06/05 13:48	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
Trichloroethene	"	5.78	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylenc	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylenc	"	ND	---	2.00	"	"	"	"	"	

Surrogate(s): 4-BFB Recovery: 93.5% Limits: 75 - 120 %  
 1,2-DCA-d4 106% 77 - 129 %  
 Dibromofluoromethane 106% 80 - 121 %  
 Toluene-d8 104% 80 - 120 %

P5K0124-03	Water	11012-03	Sampled: 10/26/05 12:00							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5110304	11/06/05	11/06/05 14:14	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 11/15/05 19:34
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**Volatile Organic Compounds per EPA Method 8260B**  
North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSK0124-03	Water	11012-03								
										Sampled: 10/26/05 12:00
Dichlorodifluoromethane	EPA 8260B	ND	----	5.00	ug/l	1x	S110304	11/06/05	11/06/05 14:14	
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	3.48	----	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	----	4.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	----	10.0	"	"	"	"	"	"
2-Hexanone	"	ND	----	2.00	"	"	"	"	"	"
Isopropylbenzene	"	ND	----	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	----	5.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	----	1.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	----	5.00	"	"	"	"	"	"
Methylene chloride	"	ND	----	2.00	"	"	"	"	"	"
Naphthalene	"	ND	----	1.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Styrene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	"
Toluene	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
Trichloroethene	"	6.11	----	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	"
o-Xylene	"	ND	----	2.00	"	"	"	"	"	"
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	"
Surrogate(s):	4-BFB	Recovery: 90.0%		Limits: 75 - 120 %						
	1,2-DCA-d4	101%		77 - 129 %						
	Dibromofluoromethane	102%		80 - 121 %						

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	11/15/05 19:34

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5K0124-03</b>	<b>Water</b>	<b>11012-03</b>	<b>Sampled: 10/26/05 12:00</b>							
<i>Toluene-d8</i>		97.0%		80 - 120 %	1x				11/06/05 14:14	
<b>P5K0124-04</b>	<b>Water</b>	<b>11012-04</b>	<b>Sampled: 10/26/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5110304	11/06/05	11/06/05 14:41	
Benzene	"	ND	---	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromoform	"	ND	---	1.00	"	"	"	"	"	"
Bromomethane	"	ND	---	5.00	"	"	"	"	"	"
2-Butanone	"	ND	---	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSK0124-04	Water	11012-04	Sampled: 10/26/05 12:00							
Hexachlorobutadiene	EPA 8260B	ND	---	4.00	ug/l	1x	5110304	11/06/05	11/06/05 14:41	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	ND	---	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Styrene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	"
Toluene	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
Trichloroethene	"	2.05	---	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	"
o-Xylene	"	ND	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	"

Surrogate(s): 4-BFB	Recovery: 88.0%	Limits: 75 - 120 %	"
1,2-DCA-d4	101%	77 - 129 %	"
Dibromofluoromethane	99.0%	80 - 121 %	"
Toluene-d8	95.5%	80 - 120 %	"

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	11/15/05 19:34

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-05	Water	11012-05								
			Sampled: 10/26/05 12:00							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5110304	11/06/05	11/06/05 15:08	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	3.07	---	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created: <b>11/15/05 19:34</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-05	Water	11012-05	Sampled: 10/26/05 12:00							
p-Isopropyltoluene	EPA 8260B	ND	----	2.00	ug/l	1x	5110304	11/06/05	11/06/05 15:08	
4-Methyl-2-pentanone	"	ND	----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	
Naphthalene	"	ND	----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	
Styrene	"	ND	----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
Tetrachloroethene	"	2.07	----	1.00	"	"	"	"	"	
Toluene	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
Trichloroethene	"	2.23	----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	
o-Xylene	"	ND	----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB	Recovery: 99.0%		Limits: 75 - 120 %	"					
	1,2-DCA-d4	106%		77 - 129 %	"					
	Dibromofluoromethane	107%		80 - 121 %	"					
	Toluene-d8	103%		80 - 120 %	"					
P5K0124-06	Water	11012-06	Sampled: 10/26/05 12:00							
Acetone	EPA 8260B	ND	----	25.0	ug/l	1x	5110304	11/06/05	11/06/05 15:34	
Benzene	"	ND	----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromoform	"	ND	----	1.00	"	"	"	"	"	
Bromomethane	"	ND	----	5.00	"	"	"	"	"	
2-Butanone	"	ND	----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	1.00	"	"	"	"	"	

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	11/15/05 19:34

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSK0124-06	Water	11012-06	Sampled: 10/26/05 12:00							
Chlorobenzene	EPA 8260B	ND	---	1.00	ug/l	1x	5110304	11/06/05	11/06/05 15:34	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	3.12	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	ND	---	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Styrene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Tetrachloroethene	"	1.96	---	1.00	"	"	"	"	"	"
Toluene	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created:
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-06	Water	11012-06	Sampled: 10/26/05 12:00							
1,1,1-Trichloroethane	EPA 8260B	ND	---	1.00	ug/l	1x	5110304	11/06/05	11/06/05 15:34	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
Trichloroethane	"	2.26	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylene	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB	Recovery: 95.5%		Limits: 75 - 120 %	"					"
	1,2-DCA-d4	101%		77 - 129 %	"					"
	Dibromofluoromethane	101%		80 - 121 %	"					"
	Toluene-d8	99.0%		80 - 120 %	"					"

P5K0124-07	Water	11012-07	Sampled: 10/27/05 12:00							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5110304	11/06/05	11/06/05 16:01	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	11/15/05 19:34

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-07	Water	11012-07	Sampled: 10/27/05 12:00							
Dichlorodifluoromethane	EPA 8260B	ND	---	5.00	ug/l	1x	5110304	11/06/05	11/06/05 16:01	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
<b>Tetrachloroethene</b>	"	<b>2.36</b>	---	1.00	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
Trichloroethene	"	ND	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylene	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB	Recovery: 91.0%		Limits: 75 - 120 %	"					
	1,2-DCA-d4	102%		77 - 129 %	"					
	Dibromofluoromethane	102%		80 - 121 %	"					

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name:	<b>WP&amp;YR/Shops/Skagway</b>	Report Created:
	Project Number:	96-1412-853B	11/15/05 19:34
	Project Manager:	Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSK0124-07	Water	11012-07	Sampled: 10/27/05 12:00							
Toluene-d8		98.5%		80 - 120 %	1x				11/06/05 16:01	
PSK0124-08	Water	11012-08	Sampled: 10/27/05 12:00							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5110304	11/06/05	11/06/05 16:28	
Benzene	"	ND	---	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromoform	"	ND	---	5.00	"	"	"	"	"	"
Bromomethane	"	ND	---	10.0	"	"	"	"	"	"
2-Butanone	"	ND	---	5.00	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	---	10.0	"	"	"	"	"	"
Carbon disulfide	"	ND	---	1.00	"	"	"	"	"	"
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	5.00	"	"	"	"	"	"
Chloromethane	"	ND	---	1.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	5.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	1.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	19.6	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"

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North Creek Analytical - Portland

*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name:	<b>WP&amp;YR/Shops/Skagway</b>	Report Created: 11/15/05 19:34
	Project Number:	96-1412-853B	
	Project Manager:	Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSK0124-08	Water	11012-08								
Sampled: 10/27/05 12:00										
Hexachlorobutadiene	EPA 8260B	ND	----	4.00	ug/l	1x	5110304	11/06/05	11/06/05 16:28	
2-Hexanone	"	ND	----	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	----	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	----	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	----	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	"
Naphthalene	"	ND	----	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Styrene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
Tetrachloroethene	"	2.44	----	1.00	"	"	"	"	"	"
Toluene	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
Trichloroethene	"	26.6	----	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	"
o-Xylene	"	ND	----	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	"
Surrogate(s):	4-BFB	Recovery: 96.5%		Limits: 75 - 120 %	"	"	"	"	"	"
	1,2-DCA-d4	111%		77 - 129 %	"	"	"	"	"	"
	Dibromofluoromethane	106%		80 - 121 %	"	"	"	"	"	"
	Toluene-d8	102%		80 - 120 %	"	"	"	"	"	"

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<b>Golder Associates - Canada</b>	Project Name: <u>WP&amp;YR/Shops/Skagway</u>	Report Created:
500-4260 Still Creek Drive	Project Number: 96-1412-853B	11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-09	Water	11012-09	Sampled: 10/27/05 12:00							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	S110304	11/06/05	11/06/05 16:55	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	16.6	---	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skaagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PSK0124-09</b>	<b>Water</b>	<b>11012-09</b>	<b>Sampled: 10/27/05 12:00</b>							
p-Isopropyltoluene	EPA 8260B	ND	---	2.00	ug/l	1x	5110304	11/06/05	11/06/05 16:55	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
<b>Tetrachloroethane</b>	"	<b>2.60</b>	----	1.00	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>21.7</b>	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	
o-Xylene	"	ND	----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>Recovery: 91.5%</i>		<i>Limits: 75 - 120 %</i>	"					"
	<i>1,2-DCA-d4</i>	<i>104%</i>		<i>77 - 129 %</i>	"					"
	<i>Dibromofluoromethane</i>	<i>103%</i>		<i>80 - 121 %</i>	"					"
	<i>Toluene-d8</i>	<i>98.5%</i>		<i>80 - 120 %</i>	"					"

<b>PSK0124-10</b>	<b>Water</b>	<b>11012-10</b>	<b>Sampled: 10/27/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5110304	11/06/05	11/06/05 17:21	
Benzene	"	ND	----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromoform	"	ND	----	1.00	"	"	"	"	"	
Bromomethane	"	ND	----	5.00	"	"	"	"	"	
2-Butanone	"	ND	----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	1.00	"	"	"	"	"	

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shons/Skagway</b>	Report Created:
500-4260 Still Creek Drive	Project Number: 96-1412-853B	11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSK0124-10	Water	11012-10								Sampled: 10/27/05 12:00
Chlorobenzene	EPA 8260B	ND	---	1.00	ug/l	1x	5110304	11/06/05	11/06/05 17:21	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	16.3	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	ND	---	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Styrene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Tetrachloroethene	"	2.54	---	1.00	"	"	"	"	"	"
Toluene	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	11/15/05 19:34

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5K0124-10</b>	<b>Water</b>	<b>11012-10</b>	<b>Sampled: 10/27/05 12:00</b>							
1,1,1-Trichloroethane	EPA 8260B	ND	---	1.00	ug/l	1x	5110304	11/06/05	11/06/05 17:21	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
Trichloroethene	"	21.7	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylene	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>Recovery: 92.0%</i>		<i>Limits: 75 - 120 %</i>						
	<i>1,2-DCA-d4</i>	<i>101%</i>		<i>77 - 129 %</i>						
	<i>Dibromofluoromethane</i>	<i>101%</i>		<i>80 - 121 %</i>						
	<i>Toluene-d8</i>	<i>97.0%</i>		<i>80 - 120 %</i>						

<b>P5K0124-11</b>	<b>Water</b>	<b>11012-11</b>	<b>Sampled: 10/27/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5110304	11/06/05	11/06/05 17:48	
Benzene	"	10.4	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Chloroethane	"	1.47	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <u>WP&amp;YR/Shops/Skagway</u> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 11/15/05 19:34
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**Volatile Organic Compounds per EPA Method 8260B**  
North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-11	Water	11012-11	Sampled: 10/27/05 12:00							
Dichlorodifluoromethane	EPA 8260B	ND	---	5.00	ug/l	1x	5110304	11/06/05	11/06/05 17:48	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	5.65	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	28.1	---	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	2.33	---	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	15.0	---	2.00	"	"	"	"	"	"
n-Propylbenzene	"	5.04	---	1.00	"	"	"	"	"	"
Styrene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	"
Toluene	"	3.56	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
Trichloroethene	"	ND	---	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	48.3	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	2.52	---	1.00	"	"	"	"	"	"
o-Xylene	"	22.4	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	14.2	---	2.00	"	"	"	"	"	"
Surrogate(s):	4-BFB	Recovery: 104%		Limits: 75 - 120 %	"	"	"	"	"	"
	1,2-DCA-d4	106%		77 - 129 %	"	"	"	"	"	"
	Dibromofluoromethane	106%		80 - 121 %	"	"	"	"	"	"

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 11/15/05 19:34
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**Volatile Organic Compounds per EPA Method 8260B**  
North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-11	Water	11012-11	Sampled: 10/27/05 12:00							
Toluene-d8		100%		80 - 120 %	1x				11/06/05 17:48	
P5K0124-13	Water	11013-01	Sampled: 10/27/05 12:00							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5110304	11/06/05	11/06/05 18:15	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	15.1	---	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created:
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-13	Water	11013-01	Sampled: 10/27/05 12:00							
Hexachlorobutadiene	EPA 8260B	ND	-----	4.00	ug/l	1x	5110304	11/06/05	11/06/05 18:15	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	-----	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	"
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	"
Styrene	"	ND	-----	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	"
Tetrachloroethene	"	1.62	-----	1.00	"	"	"	"	"	"
Toluene	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
Trichloroethene	"	22.6	---	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	"
o-Xylene	"	ND	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	"
Surrogate(s): 4-BFB		Recovery: 91.5%		Limits: 75 - 120 %	"					"
1,2-DCA-d4		102%		77 - 129 %	"					"
Dibromofluoromethane		102%		80 - 121 %	"					"
Toluene-d8		99.0%		80 - 120 %	"					"

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shons/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSK0124-14	Water	11013-02								
		Sampled: 10/27/05 12:00								
Acetone	EPA 8260B	ND	----	25.0	ug/l	1x	5110304	11/06/05	11/06/05 18:42	
Benzene	"	ND	----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromoform	"	ND	----	1.00	"	"	"	"	"	
Bromomethane	"	ND	----	5.00	"	"	"	"	"	
2-Butanone	"	ND	----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Chloroethane	"	ND	----	1.00	"	"	"	"	"	
Chloroform	"	ND	----	1.00	"	"	"	"	"	
Chloromethane	"	ND	----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	14.5	----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	----	2.00	"	"	"	"	"	

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created:
500-4260 Still Creek Drive	Project Number: 96-1412-853B	11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-14	Water	11013-02	Sampled: 10/27/05 12:00							
p-Isopropyltoluene	EPA 8260B	ND	---	2.00	ug/l	ix	5110304	11/06/05	11/06/05 18:42	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
Trichloroethene	"	13.6	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylene	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	
Surrogate(s): 4-BFB		Recovery: 92.0%		Limits: 75 - 120 %		"		"		
1,2-DCA-d4		102%		77 - 129 %		"		"		
Dibromofluoromethane		99.5%		80 - 121 %		"		"		
Toluene-d8		96.5%		80 - 120 %		"		"		

P5K0124-15	Water	11013-03	Sampled: 10/28/05 12:00							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5110304	11/06/05	11/06/05 19:08	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-15	Water	11013-03	Sampled: 10/28/05 12:00							
Chlorobenzene	EPA 8260B	ND	---	1.00	ug/l	1x	5110304	11/06/05	11/06/05 19:08	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	

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**Golder Associates - Canada**

500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**  
 Project Number: 96-1412-853B  
 Project Manager: Linda Kemp

Report Created:  
 11/15/05 19:34

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	DI	Batch	Prepared	Analyzed	Notes
<b>P5K0124-15</b>	<b>Water</b>	<b>11013-03</b>	<b>Sampled: 10/28/05 12:00</b>							
1,1,1-Trichloroethane	EPA 8260B	ND	---	1.00	ug/l	1x	5110304	11/06/05	11/06/05 19:08	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
Trichloroethene	"	ND	---	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	"
o-Xylene	"	ND	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	"

Surrogate(s): 4-BFB Recovery: 93.0% Limits: 75 - 120 %  
 1,2-DCA-d4 108% 77 - 129 %  
 Dibromofluoromethane 107% 80 - 121 %  
 Toluene-d8 102% 80 - 120 %

<b>P5K0124-16</b>	<b>Water</b>	<b>11013-04</b>	<b>Sampled: 10/28/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5110304	11/06/05	11/06/05 19:35	
Benzene	"	ND	---	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromoform	"	ND	---	1.00	"	"	"	"	"	"
Bromomethane	"	ND	---	5.00	"	"	"	"	"	"
2-Butanone	"	ND	---	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created: <b>11/15/05 19:34</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSK0124-16	Water	11013-04	Sampled: 10/28/05 12:00							
Dichlorodifluoromethane	EPA 8260B	ND	---	5.00	ug/l	1x	5110304	11/06/05	11/06/05 19:35	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	ND	---	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Styrene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	"
Toluene	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
Trichloroethene	"	1.87	---	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	"
o-Xylene	"	ND	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	"
Surrogate(s): 4-BFB		Recovery: 91.5%		Limits: 75 - 120 %	"					"
1,2-DCA-d4		104%		77 - 129 %	"					"
Dibromofluoromethane		102%		80 - 121 %	"					"

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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**Golder Associates - Canada**  
 500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**  
 Project Number: **96-1412-853B**  
 Project Manager: **Linda Kemp**

Report Created:  
 11/15/05 19:34

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5K0124-16</b>	Water	11013-04	<b>Sampled: 10/28/05 12:00</b>							
Toluene-d8		99.0%		80 - 120 %	ix			11/06/05 19:35		
<b>P5K0124-17</b>	Water	11013-05	<b>Sampled: 10/28/05 12:00</b>							
Acetone	EPA 8260B	ND	----	25.0	ug/l	1x	5110304	11/06/05	11/06/05 20:02	
Benzene	"	ND	----	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	----	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	"
Bromoform	"	ND	----	1.00	"	"	"	"	"	"
Bromomethane	"	ND	----	5.00	"	"	"	"	"	"
2-Butanone	"	ND	----	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	----	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	----	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	----	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
Chloroethane	"	ND	----	1.00	"	"	"	"	"	"
Chloroform	"	ND	----	1.00	"	"	"	"	"	"
Chloromethane	"	ND	----	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	----	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	1.50	----	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	"

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North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shons/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	<u>Report Created:</u>
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	11/15/05 19:34

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-17	Water	11013-05	Sampled: 10/28/05 12:00							
Hexachlorobutadiene	EPA 8260B	ND	----	4.00	ug/l	1x	5110304	11/06/05	11/06/05 20:02	
2-Hexanone	"	ND	----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	
Naphthalene	"	ND	----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	
Styrene	"	ND	----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	
Toluene	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
Trichloroethene	"	3.11	----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	
o-Xylene	"	ND	----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB	Recovery: 88.5%		Limits: 75 - 120 %	"					"
	1,2-DCA-d4	100%		77 - 129 %	"					"
	Dibromofluoromethane	100%		80 - 121 %	"					"
	Toluene-d8	97.0%		80 - 120 %	"					"

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <u>WP&amp;YR/Shops/Skagway</u>	Report Created:
500-4260 Still Creek Drive	Project Number: 96-1412-853B	11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSK0124-18	Water	11013-06	Sampled: 10/28/05 12:00							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5110304	11/06/05	11/06/05 20:28	
Benzene	"	ND	---	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromoform	"	ND	---	1.00	"	"	"	"	"	"
Bromomethane	"	ND	---	5.00	"	"	"	"	"	"
2-Butanone	"	ND	---	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	3.13	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	"

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	11/15/05 19:34

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-18	Water	11013-06	Sampled: 10/28/05 12:00							
p-Isopropyltoluene	EPA 8260B	ND	---	2.00	ug/l	1x	5110304	11/06/05	11/06/05 20:28	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
Trichloroethene	"	1.79	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylene	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB	Recovery: 96.5%	Limits: 75 - 120 %	"	"	"	"	"	"	
	1,2-DCA-d4	108%	77 - 129 %	"	"	"	"	"	"	
	Dibromofluoromethane	106%	80 - 121 %	"	"	"	"	"	"	
	Toluene-d8	103%	80 - 120 %	"	"	"	"	"	"	

P5K0124-19	Water	11013-07	Sampled: 10/28/05 12:00							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5110304	11/06/05	11/06/05 20:55	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	

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 Mary A. Fritzmann Smith, Project Manager



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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created:
500-4260 Still Creek Drive	Project Number: 96-1412-853B	11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-19	Water	11013-07								Sampled: 10/28/05 12:00
Chlorobenzene	EPA 8260B	ND	----	1.00	ug/l	1x	5110304	11/06/05	11/06/05 20:55	
Chloroethane	"	ND	----	1.00	"	"	"	"	"	"
Chloroform	"	ND	----	1.00	"	"	"	"	"	"
Chloromethane	"	ND	----	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	----	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	20.5	----	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	----	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	----	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	----	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	----	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	----	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	"
Naphthalene	"	ND	----	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Styrene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	"
Toluene	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0124-19	Water	11013-07	Sampled: 10/28/05 12:00							
1,1,1-Trichloroethane	EPA 8260B	ND	----	1.00	ug/l	1x	5110304	11/06/05	11/06/05 20:55	
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
Trichloroethene	"	43.6	----	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	"
o-Xylene	"	ND	----	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	"

Surrogate(s):	4-BFB	Recovery: 89.5%	Limits: 75 - 120 %	"
	1,2-DCA-d4	101%	77 - 129 %	"
	Dibromofluoromethane	100%	80 - 121 %	"
	Toluene-d8	97.5%	80 - 120 %	"

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>11/15/05 19:34</b>
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**Gasoline-Range Organics (C6-C10) per AK101 - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5110182      Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Extracted: 11/03/05 10:55														
<b>Blank (5110182-BLK1)</b>														
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	--	--	--	--	--	--	11/03/05 13:29	
Surrogate(s): 4-BFB (FID)		Recovery: 99.6%	Limits: 43.8-132%										11/03/05 13:29	
Extracted: 11/03/05 10:55														
<b>LCS (5110182-BS1)</b>														
Gasoline Range Organics	AK101 GRO	494	---	80.0	ug/l	1x	--	500	98.8%	(60-120)	--	--	11/03/05 12:29	
Surrogate(s): 4-BFB (FID)		Recovery: 92.8%	Limits: 60-120%										11/03/05 12:29	
Extracted: 11/03/05 10:55														
<b>LCS Dup (5110182-BSD1)</b>														
Gasoline Range Organics	AK101 GRO	534	---	80.0	ug/l	1x	--	500	107%	(60-120)	7.78%	(20)	11/03/05 12:59	
Surrogate(s): 4-BFB (FID)		Recovery: 99.4%	Limits: 60-120%										11/03/05 12:59	
QC Source: P5J1180-01      Extracted: 11/03/05 10:55														
<b>Duplicate (5110182-DUP1)</b>														
Gasoline Range Organics	AK101 GRO	33100	---	4000	ug/l	50x	33500	--	--	--	1.20%	(50)	11/03/05 16:49	
Surrogate(s): 4-BFB (FID)		Recovery: 105%	Limits: 43.8-132%		1x								11/03/05 16:49	
QC Source: P5K0003-01      Extracted: 11/03/05 10:55														
<b>Duplicate (5110182-DUP2)</b>														
Gasoline Range Organics	AK101 GRO	23600	---	4000	ug/l	50x	24400	--	--	--	3.33%	(50)	11/03/05 19:01	
Surrogate(s): 4-BFB (FID)		Recovery: 107%	Limits: 43.8-132%		1x								11/03/05 19:01	

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>11/15/05 19:34</b>
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**Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103 Low Volume - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5110235 Water Preparation Method: EPA 3510 Fuels

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5110235-BLK1)													Extracted: 11/04/05 13:30	
Diesel Range Organics	AK102/103	ND	---	0.500	mg/l	1x	--	--	--	--	--	--	11/05/05 12:12	
Residual Range Organics	"	ND	---	0.600	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1-Chlorooctadecane		Recovery: 102%		Limits: 50-150%								11/05/05 12:12		
Triacontane		82.7%		50-150%										
LCS (5110235-BS1)													Extracted: 11/04/05 13:30	
Diesel Range Organics	AK102/103	15.5	---	0.500	mg/l	1x	--	12.5	124%	(75-125)	--	--	11/05/05 13:52	
Residual Range Organics	"	7.27	---	0.600	"	"	--	7.52	96.7%	(60-120)	--	--	"	
Surrogate(s): 1-Chlorooctadecane		Recovery: 109%		Limits: 60-120%								11/05/05 13:52		
Triacontane		93.0%		60-120%										
LCS Dup (5110235-BSD1)													Extracted: 11/04/05 13:30	
Diesel Range Organics	AK102/103	14.2	---	0.500	mg/l	1x	--	12.5	114%	(75-125)	8.75%	(20)	11/05/05 14:25	
Residual Range Organics	"	6.83	---	0.600	"	"	--	7.52	90.8%	(60-120)	6.24%	"	"	
Surrogate(s): 1-Chlorooctadecane		Recovery: 102%		Limits: 60-120%								11/05/05 14:25		
Triacontane		86.2%		60-120%										

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 11/15/05 19:34
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5110304 Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5110304-BLK1)													Extracted: 11/06/05 10:04	
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	--	--	--	--	--	--	11/06/05 12:28	
Benzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	4.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skarway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created: <b>11/15/05 19:34</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5110304      Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (5110304-BLK1)</b>										Extracted: 11/06/05 10:04				
Isopropylbenzene	EPA 8260B	ND	---	2.00	ug/l	1x	--	--	--	--	--	--	11/06/05 12:28	
p-Isopropyltoluene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>Recovery:</i>	<i>94.5%</i>	<i>Limits:</i>	<i>75-120%</i>	"							<i>11/06/05 12:28</i>	
	<i>1,2-DCA-d4</i>		<i>103%</i>		<i>77-129%</i>	"							"	
	<i>Dibromofluoromethane</i>		<i>100%</i>		<i>80-121%</i>	"							"	
	<i>Toluene-d8</i>		<i>98.0%</i>		<i>80-120%</i>	"							"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

North Creek Analytical, Inc.  
 Environmental Laboratory Network



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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: 11/15/05 19:34
---	---	-----------------------------------

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5110304      Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

**LCS (5110304-BS1)**      Extracted: 11/06/05 10:04

Benzene	EPA 8260B	20.4	---	1.00	ug/l	1x	--	20.0	102%	(80-120)	--	--	11/06/05 10:41	
Chlorobenzene	"	20.2	---	1.00	"	"	--	"	101%	(80-124)	--	--	"	
1,1-Dichloroethene	"	19.3	---	1.00	"	"	--	"	96.5%	(78-120)	--	--	"	
Toluene	"	20.1	---	1.00	"	"	--	"	100%	(80-124)	--	--	"	
Trichloroethene	"	20.5	---	1.00	"	"	--	"	102%	(80-132)	--	--	"	
Surrogate(s):	4-BFB	Recovery:	96.0%	Limits:	75-120%	"							11/06/05 10:41	
	1,2-DCA-d4		94.0%		77-129%	"							"	
	Dibromofluoromethane		93.0%		80-121%	"							"	
	Toluene-d8		92.0%		80-120%	"							"	

**Matrix Spike (5110304-MS1)**      QC Source: P5K0124-01      Extracted: 11/06/05 10:04

Benzene	EPA 8260B	20.7	---	1.00	ug/l	1x	ND	20.0	104%	(80-124)	--	--	11/06/05 11:08	
Chlorobenzene	"	20.2	---	1.00	"	"	ND	"	101%	(72.9-134)	--	--	"	
1,1-Dichloroethene	"	20.6	---	1.00	"	"	ND	"	103%	(79.3-127)	--	--	"	
Toluene	"	20.4	---	1.00	"	"	ND	"	102%	(79.7-131)	--	--	"	
Trichloroethene	"	30.7	---	1.00	"	"	10.4	"	102%	(68.4-130)	--	--	"	
Surrogate(s):	4-BFB	Recovery:	98.5%	Limits:	75-120%	"							11/06/05 11:08	
	1,2-DCA-d4		106%		77-129%	"							"	
	Dibromofluoromethane		104%		80-121%	"							"	
	Toluene-d8		102%		80-120%	"							"	

**Matrix Spike Dup (5110304-MSD1)**      QC Source: P5K0124-01      Extracted: 11/06/05 10:04

Benzene	EPA 8260B	19.6	---	1.00	ug/l	1x	ND	20.0	98.0%	(80-124)	5.46%	(25)	11/06/05 11:35	
Chlorobenzene	"	19.4	---	1.00	"	"	ND	"	97.0%	(72.9-134)	4.04%	"	"	
1,1-Dichloroethene	"	19.8	---	1.00	"	"	ND	"	99.0%	(79.3-127)	3.96%	"	"	
Toluene	"	19.6	---	1.00	"	"	ND	"	98.0%	(79.7-131)	4.00%	"	"	
Trichloroethene	"	29.9	---	1.00	"	"	10.4	"	97.5%	(68.4-130)	2.64%	"	"	
Surrogate(s):	4-BFB	Recovery:	96.0%	Limits:	75-120%	"							11/06/05 11:35	
	1,2-DCA-d4		100%		77-129%	"							"	
	Dibromofluoromethane		99.0%		80-121%	"							"	
	Toluene-d8		99.5%		80-120%	"							"	

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	11/15/05 19:34

**Notes and Definitions**

Report Specific Notes:

None

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR / NA - Not Reported / Not Available
- dry - Sample results reported on a dry weight basis. Reporting Limits have been corrected for %Solids.
- wet - Sample results and reporting limits reported on a wet weight basis (as received).
- RPD - Relative Percent Difference. (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL\* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. \*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

North Creek Analytical, Inc.  
 Environmental Laboratory Network



500 - 4260 Still Creek Drive  
 Burnaby, British Columbia, Canada V5C 6C6  
 Telephone (604) 298-6623 Fax (604) 298-5253

Project Number: **96-1412853B**  
 Laboratory Name: **NCA Labs**  
 Address: **9405 SW Nimbus Ave**  
 Telephone/Fax: **65039069200**  
 Contact: **May Smith**  
 Golder E-mail Address: **L.Kemp@goldr.com**

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 500-4260 Still Creek Dr.  
 Burnaby, B.C.  
 V5C 6C6  
 Tel: (604) 298-6623;  
 Fax: (604) 298-5253

202 - 2790 Gladwin Road  
 Abbotsford, B.C.  
 V2T 4S8  
 Tel: (604) 850-8786  
 Fax: (604) 850-8756

220 - 174 Wilson Street  
 Victoria, B.C.  
 V9A 7N6  
 Tel: (250) 881-7372  
 Fax: (250) 881-7470

Sample Control Number (SCN)	Sample Matrix (over)	Date Sampled (D/M/Y)	Number of Containers	VOCs	GR0	DR0/RRC	RUSH	Remark (over)
11012-01	W	25/10/05	6	✓	✓	✓		
11012-02	W	25/10/05	4	✓	✓	✓		
11012-03	W	26/10/05	4	✓	✓	✓		
11012-04	W	26/10/05	4	✓	✓	✓		
11012-05	W	26/10/05	8	✓	✓	✓		
11012-06	W	26/10/05	8	✓	✓	✓		
11012-07	W	27/10/05	4	✓	✓	✓		
11012-08	W	27/10/05	4	✓	✓	✓		
11012-09	W	27/10/05	8	✓	✓	✓		
11012-10	W	27/10/05	8	✓	✓	✓		
11012-11	W	27/10/05	8	✓	✓	✓		
11012-12	W	27/10/05	4	✓	✓	✓		

Sample's Signature: \_\_\_\_\_  
 Sample Storage (°C): \_\_\_\_\_  
 Comments: **2 coolers**

Requisitioned by: Signature \_\_\_\_\_  
 Requisitioned by: Signature \_\_\_\_\_  
 Method of Shipment: \_\_\_\_\_  
 Shipped by: \_\_\_\_\_

Company: **Golder**  
 Date: **Oct 31/05**  
 Time: **14:20**  
 Received by: Signature \_\_\_\_\_  
 Received by: Signature \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Temp (°C): \_\_\_\_\_  
 Cooler opened by: \_\_\_\_\_  
 Seal Intact: \_\_\_\_\_

Waybill No.: \_\_\_\_\_  
 Shipment Condition: \_\_\_\_\_  
 Seal Intact: \_\_\_\_\_

Received for Lab by: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Cooler opened by: \_\_\_\_\_  
 Date: \_\_\_\_\_

Company: **NCA**  
 Company: \_\_\_\_\_

WHITE: Golder Copy    YELLOW: Lab Copy    PINK: Lab Returns with Final Report



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**CHAIN OF CUSTODY RECORD/ANALYSIS REQUEST**

11013

Project Number: 96-1412-853 B  
 Laboratory Name: NCA  
 Address: 94105 SW Nimbus Ave. Beaverton OR  
 Telephone/Fax: 503 906 9200  
 Contact: K Kemp  
 Golder Contact: K Kemp  
 Golder E-mail Address: k.kemp@golder.com

Office the final reports should be sent to:  
 500-4260 Still Creek Dr. Burnaby, B.C. V5C 6C6  
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 202 - 2790 Gladwin Road Abbotsford, B.C. V2T 4S8  
 Tel: (604) 850-8786 Fax: (604) 850-8756  
 220 - 174 Wilson Street Victoria, B.C. V9A 7N6  
 Tel: (250) 881-7372 Fax: (250) 881-7470

Sample Control Number (SCN)	Sample Matrix (over)	Date Sampled (D / M / Y)	Number of Containers	VOC	GR	PRO/RO	RUSH	Remarks (over)
11013-01	W	27/10/15	2	✓	✓	✓		
11013-02	W	27/10/15	2	✓	✓	✓		
11013-03	W	28/10/15	2	✓	✓	✓		
11013-04	W	28/10/15	2	✓	✓	✓		
11013-05	W	28/10/15	2	✓	✓	✓		
11013-06	W	28/10/15	2	✓	✓	✓		
11013-07	W	28/10/15	2	✓	✓	✓		
-08								
-09								
-10								
-11								
-12								

Refiniquished by: Signature [Signature]  
 Date: 01/31/05  
 Company: Golder  
 Received for Lab by: [Signature]  
 Date: 12/20/05  
 Company: NCA  
 Method of Shipment: 2 coolers  
 Shipped by: [Signature]  
 Temp (°C): 11/6  
 Cooler opened by: [Signature]  
 Seal Intact: [Signature]

WHITE: Golder Copy YELLOW: Lab Copy PINK: Lab Returns with Final Report

NORTH CAROLINA ANALYTICAL COOLER RECEIPT FORM

(Army Corp. compliant)

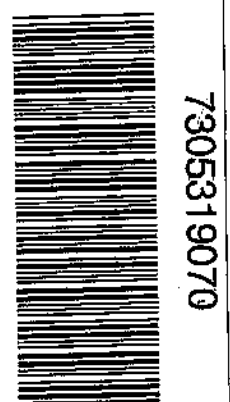
Client: Goldco ASSOC  
 Please sign for receipt and opening of 2 cooler or other  
 By (print) Allen (sign) Allen  
 Date samples received 11/21/05 Date opened: Same or 11/21/05  
 Delivered by: UPS FedEx UPS Courier Client Other DFK  
 Airbill # if applicable \_\_\_\_\_ (put copy of shipping papers in file)

4. There were 2 custody seals present, signed by \_\_\_\_\_ date \_\_\_\_\_/\_\_\_\_/\_\_\_\_ Yes \_\_\_ No \_\_\_
5. Were the custody seals unbroken and intact at the date and time of arrival? Yes \_\_\_ No \_\_\_
6. Was ice used? X yes \_\_\_ no \_\_\_ Type of ice: \_\_\_ blue ice \_\_\_ gel ice \_\_\_ real ice  
 Temperature (degrees C) 15.1 Kylek thermometer Digi-Therm (probe temperature blank)
7. Are custody papers sealed in a plastic bag and taped inside to lid? X Yes \_\_\_ No \_\_\_
8. Were custody papers filled out properly (ink, signed, etc.)? X Yes \_\_\_ No \_\_\_  
 If "no" please specify: \_\_\_\_\_
9. Was project identifiable from custody papers? \_\_\_\_\_ Yes \_\_\_ No \_\_\_  
 Name of project \_\_\_\_\_ (if applicable)
10. Initial and date for unpacking: CF (Initials) date 11/21/05
11. Packing material: X bubble wrap/bag X styrofoam X cardboard \_\_\_ other \_\_\_  
 Yes \_\_\_ No \_\_\_
12. Were samples in bags? X Yes \_\_\_ No \_\_\_
13. Did all containers indicated on the COC arrive?  
 If "no" please indicate which containers were absent TB NOT IN COC  
 Yes \_\_\_ No \_\_\_
14. Were all containers unbroken and labels in good condition?  
 If "no" please indicate which containers \_\_\_\_\_  
 Yes \_\_\_ No \_\_\_
15. Were all bottle labels complete (ID, date, time, signature, etc.)?  
 Do the IDs, times, etc. agree with the COC?  
 If "no" please indicate which containers \_\_\_\_\_  
 Yes \_\_\_ No \_\_\_
16. Are containers properly preserved for indicated analysis?  
 Yes \_\_\_ No \_\_\_
17. Is there adequate volume for the test(s) requested?  
 Yes \_\_\_ No \_\_\_
18. If vial were submitted, are they free of bubbles? \_\_\_ N/A \_\_\_  
 Yes \_\_\_ No \_\_\_
19. Log-in phase: Date samples were logged in: 11/21/05 Elm Project # P5KDL2A
20. Logged in by (print) Cailli Fahs (sign) Cailli Fahs
21. Was the project manager notified of status? (Use back of form as a record) \_\_\_ Yes \_\_\_ No \_\_\_



977077614  
 Golden's Assoc  
 4500-4260 Still Creek  
 Burnaby BC (Canada)  
 VSC-6C6 604-298-6825  
 OPCA

4205 S.W. Kimbus Ave  
 Beaverton, Oregon  
 Water Sample  
 97008-7145  
 USN  
 Mars Smith



220

**RHL** Registered Options Limited / S'Options Au Marché  
 Régulés des Options / Contratizado de Opciones de Mercado

**1 From (Emission) / Réceptionnaire**  
 Account number / Numéro de compte  
 4500-4260 Still Creek  
 Burnaby BC (Canada)  
 VSC-6C6 604-298-6825

**2 To (Receiver) / Abonné (réceptionnaire)**  
 Golden's Assoc  
 4500-4260 Still Creek  
 Burnaby BC (Canada)  
 VSC-6C6 604-298-6825

**3 Shipment details / Détails / Convoi**  
 For all countries and services, see conditions of carriage.  
 For all countries and services, see conditions of carriage.  
 Description of contents / Description complète du contenu  
 Water Sample

**4 Size and weight / Taille et poids**  
 No. of pieces / Nombre de colis: 2  
 Weight / Poids: 20.00 kg  
 Dimensions cm L x W x H: 70 x 70 x 70

**Destination Co. / Copie de Destination**

NOUVEAUX DESTINÉS MARCHÉ	NOUVEAUX DESTINÉS MARCHÉ
NO. / No.	NO. / No.
CARRIER / DMS / Service / Destinataire	CARRIER / DMS / Service / Destinataire
JA0	JA0
9876543	9876543
OPEN / INT	OPEN / INT
9876543	9876543
OPEN / INT	OPEN / INT
9876543	9876543
TOTAL	
TOTAL	

**5** **6** **7** **8**

REG. DATE 12/25



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907.563.9200 fax 907.563.9210

June 07, 2005

Linda Kemp  
Golder Associates - Canada  
500-4260 Still Creek Drive  
Burnaby, BC/CAN V5C6C6

RE: WP&YR/Shops/Skagway

Enclosed are the results of analyses for samples received by the laboratory on 05/24/05 07:30.  
The following list is a summary of the NCA Work Orders contained in this report.  
If you have any questions concerning this report, please feel free to contact me.

---

<u>Work</u>	<u>Project</u>	<u>ProjectNumber</u>
P5E1058	WP&YR/Shops/Skagway	96-1412-853B

---

Thank You,

*Mary A. Fritzmann Smith*

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	<b>Report Created:</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	<b>06/07/05 13:58</b>

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
10842-01 AS12	PSE1058-01	Water	05/19/05 12:00	05/24/05 07:30
10842-02 AS10	PSE1058-02	Water	05/19/05 12:00	05/24/05 07:30
10842-03 AS8	PSE1058-03	Water	05/19/05 12:00	05/24/05 07:30
10842-04 AS6	PSE1058-04	Water	05/19/05 12:00	05/24/05 07:30
10842-05 98-2	PSE1058-05	Water	05/20/05 12:00	05/24/05 07:30
10842-06 0031	PSE1058-06	Water	05/20/05 12:00	05/24/05 07:30
10842-07 0032	PSE1058-07	Water	05/20/05 12:00	05/24/05 07:30
10842-08 0033	PSE1058-08	Water	05/20/05 12:00	05/24/05 07:30
10842-09 3HC	PSE1058-09	Water	05/20/05 12:00	05/24/05 07:30
10842-10 4HC	PSE1058-10	Water	05/20/05 12:00	05/24/05 07:30
10842-11 1HC	PSE1058-11	Water	05/21/05 12:00	05/24/05 07:30
10842-12 1AHC	PSE1058-12	Water	05/21/05 12:00	05/24/05 07:30

North Creek Analytical - Portland

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*Mary A. Fritz Smith*

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	06/07/05 13:58

**Gasoline Range Organics (C6-C10) per AK101**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1058-01</b>	<b>Water</b>	<b>10842-01</b>	<b>Sampled: 05/19/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	—	80.0	ug/l	1x	5051140	05/25/05	05/25/05 18:14	
Surrogate(s):	4-BFB (FID)	Recovery: 98.4%		Limits: 60 - 120 %		"				"
<b>P5E1058-02</b>	<b>Water</b>	<b>10842-02</b>	<b>Sampled: 05/19/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	—	80.0	ug/l	1x	5051140	05/25/05	05/25/05 19:10	
Surrogate(s):	4-BFB (FID)	Recovery: 94.2%		Limits: 60 - 120 %		"				"
<b>P5E1058-03</b>	<b>Water</b>	<b>10842-03</b>	<b>Sampled: 05/19/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	—	80.0	ug/l	1x	5051140	05/25/05	05/25/05 19:38	
Surrogate(s):	4-BFB (FID)	Recovery: 98.2%		Limits: 60 - 120 %		"				"
<b>P5E1058-04</b>	<b>Water</b>	<b>10842-04</b>	<b>Sampled: 05/19/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	—	80.0	ug/l	1x	5051140	05/25/05	05/25/05 20:06	
Surrogate(s):	4-BFB (FID)	Recovery: 97.0%		Limits: 60 - 120 %		"				"
<b>P5E1058-05</b>	<b>Water</b>	<b>10842-05</b>	<b>Sampled: 05/20/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	—	80.0	ug/l	1x	5051140	05/25/05	05/25/05 20:33	
Surrogate(s):	4-BFB (FID)	Recovery: 96.2%		Limits: 60 - 120 %		"				"
<b>P5E1058-06</b>	<b>Water</b>	<b>10842-06</b>	<b>Sampled: 05/20/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	—	80.0	ug/l	1x	5051140	05/25/05	05/25/05 21:01	
Surrogate(s):	4-BFB (FID)	Recovery: 96.6%		Limits: 60 - 120 %		"				"
<b>P5E1058-07</b>	<b>Water</b>	<b>10842-07</b>	<b>Sampled: 05/20/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	—	80.0	ug/l	1x	5051140	05/25/05	05/25/05 21:56	
Surrogate(s):	4-BFB (FID)	Recovery: 95.6%		Limits: 60 - 120 %		"				"
<b>P5E1058-08</b>	<b>Water</b>	<b>10842-08</b>	<b>Sampled: 05/20/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	—	80.0	ug/l	1x	5051140	05/25/05	05/25/05 22:24	
Surrogate(s):	4-BFB (FID)	Recovery: 95.4%		Limits: 60 - 120 %		"				"

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>06/07/05 13:58</b>
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**Gasoline Range Organics (C6-C10) per AK101**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1058-09</b>	Water	10842-09	<b>Sampled: 05/20/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5051140	05/25/05	05/25/05 22:51	
Surrogate(s): 4-BFB (FID)		Recovery: 96.0%		Limits: 60 - 120 %						
<b>P5E1058-10</b>	Water	10842-10	<b>Sampled: 05/20/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	----	80.0	ug/l	1x	5051140	05/25/05	05/25/05 23:19	
Surrogate(s): 4-BFB (FID)		Recovery: 96.8%		Limits: 60 - 120 %						
<b>P5E1058-11</b>	Water	10842-11	<b>Sampled: 05/21/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	----	80.0	ug/l	1x	5051140	05/25/05	05/25/05 23:47	
Surrogate(s): 4-BFB (FID)		Recovery: 96.6%		Limits: 60 - 120 %						
<b>P5E1058-12</b>	Water	10842-12	<b>Sampled: 05/21/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5051140	05/25/05	05/26/05 00:41	
Surrogate(s): 4-BFB (FID)		Recovery: 96.6%		Limits: 60 - 120 %						

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/07/05 13:58
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**Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103 Low Volume**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1058-01</b>	<b>Water</b>	<b>10842-01</b>	<b>Sampled: 05/19/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.357	mg/l	1x	5051228	05/27/05	06/03/05 01:30	
Residual Range Organics	"	ND	---	0.429	"	"	"	"	"	
Surrogate(s):	<i>1-Chlorooctadecane</i>	Recovery: 82.6%		Limits: 50 - 150 %		"				"
	<i>Triacotane</i>	99.7%		50 - 150 %		"				"
<b>P5E1058-02</b>	<b>Water</b>	<b>10842-02</b>	<b>Sampled: 05/19/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.385	mg/l	1x	5051228	05/27/05	06/03/05 02:03	
Residual Range Organics	"	ND	---	0.462	"	"	"	"	"	
Surrogate(s):	<i>1-Chlorooctadecane</i>	Recovery: 90.3%		Limits: 50 - 150 %		"				"
	<i>Triacotane</i>	102%		50 - 150 %		"				"
<b>P5E1058-03</b>	<b>Water</b>	<b>10842-03</b>	<b>Sampled: 05/19/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.370	mg/l	1x	5051228	05/27/05	06/03/05 02:37	
Residual Range Organics	"	ND	---	0.444	"	"	"	"	"	
Surrogate(s):	<i>1-Chlorooctadecane</i>	Recovery: 91.9%		Limits: 50 - 150 %		"				"
	<i>Triacotane</i>	102%		50 - 150 %		"				"
<b>P5E1058-04</b>	<b>Water</b>	<b>10842-04</b>	<b>Sampled: 05/19/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.357	mg/l	1x	5051228	05/27/05	06/03/05 03:10	
Residual Range Organics	"	ND	---	0.429	"	"	"	"	"	
Surrogate(s):	<i>1-Chlorooctadecane</i>	Recovery: 83.2%		Limits: 50 - 150 %		"				"
	<i>Triacotane</i>	92.3%		50 - 150 %		"				"
<b>P5E1058-05</b>	<b>Water</b>	<b>10842-05</b>	<b>Sampled: 05/20/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.357	mg/l	1x	5051228	05/27/05	06/03/05 03:43	
Residual Range Organics	"	ND	---	0.429	"	"	"	"	"	
Surrogate(s):	<i>1-Chlorooctadecane</i>	Recovery: 81.2%		Limits: 50 - 150 %		"				"
	<i>Triacotane</i>	95.4%		50 - 150 %		"				"
<b>P5E1058-06</b>	<b>Water</b>	<b>10842-06</b>	<b>Sampled: 05/20/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.370	mg/l	1x	5051228	05/27/05	06/03/05 04:16	
Residual Range Organics	"	ND	---	0.444	"	"	"	"	"	
Surrogate(s):	<i>1-Chlorooctadecane</i>	Recovery: 83.8%		Limits: 50 - 150 %		"				"
	<i>Triacotane</i>	95.5%		50 - 150 %		"				"

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/07/05 13:58
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**Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103 Low Volume**  
North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1058-07</b>	<b>Water</b>	<b>10842-07</b>	<b>Sampled: 05/20/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.385	mg/l	1x	5051228	05/27/05	06/03/05 04:49	
Residual Range Organics	"	ND	---	0.462	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 93.0%		Limits: 50 - 150 %	"	"	"	"	"	
	Triacontane	107%		50 - 150 %	"	"	"	"	"	
<b>P5E1058-08</b>	<b>Water</b>	<b>10842-08</b>	<b>Sampled: 05/20/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.357	mg/l	1x	5051228	05/27/05	06/03/05 05:22	
Residual Range Organics	"	ND	---	0.429	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 82.6%		Limits: 50 - 150 %	"	"	"	"	"	
	Triacontane	95.1%		50 - 150 %	"	"	"	"	"	
<b>P5E1058-09</b>	<b>Water</b>	<b>10842-09</b>	<b>Sampled: 05/20/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.370	mg/l	1x	5051228	05/27/05	06/03/05 05:55	
Residual Range Organics	"	ND	---	0.444	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 79.8%		Limits: 50 - 150 %	"	"	"	"	"	
	Triacontane	93.4%		50 - 150 %	"	"	"	"	"	
<b>P5E1058-10</b>	<b>Water</b>	<b>10842-10</b>	<b>Sampled: 05/20/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.357	mg/l	1x	5051228	05/27/05	06/03/05 07:35	
Residual Range Organics	"	ND	---	0.429	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 85.8%		Limits: 50 - 150 %	"	"	"	"	"	
	Triacontane	99.7%		50 - 150 %	"	"	"	"	"	
<b>P5E1058-11</b>	<b>Water</b>	<b>10842-11</b>	<b>Sampled: 05/21/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.370	mg/l	1x	5051228	05/27/05	06/03/05 08:08	
Residual Range Organics	"	ND	---	0.444	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 90.2%		Limits: 50 - 150 %	"	"	"	"	"	
	Triacontane	103%		50 - 150 %	"	"	"	"	"	
<b>P5E1058-12</b>	<b>Water</b>	<b>10842-12</b>	<b>Sampled: 05/21/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.370	mg/l	1x	5051228	05/27/05	06/03/05 08:41	
Residual Range Organics	"	ND	---	0.444	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 87.4%		Limits: 50 - 150 %	"	"	"	"	"	
	Triacontane	94.2%		50 - 150 %	"	"	"	"	"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skapway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	<b>Report Created:</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	<b>06/07/05 13:58</b>

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1058-01	Water	10842-01								
										Sampled: 05/19/05 12:00
Acetone	EPA 8260B	ND	—	25.0	ug/l	1x	5051333	05/31/05	05/31/05 13:59	
Benzene	"	ND	—	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	—	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	—	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	—	1.00	"	"	"	"	"	"
Bromoform	"	ND	—	1.00	"	"	"	"	"	"
Bromomethane	"	ND	—	5.00	"	"	"	"	"	"
2-Butanone	"	ND	—	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	—	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	—	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	—	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	—	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	—	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	—	1.00	"	"	"	"	"	"
Chloroethane	"	ND	—	1.00	"	"	"	"	"	"
Chloroform	"	ND	—	1.00	"	"	"	"	"	"
Chloromethane	"	ND	—	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	—	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	—	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	—	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	—	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	—	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	—	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	—	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	—	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	—	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	—	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	—	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	—	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	—	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	ND	—	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	—	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	—	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	—	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	—	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	—	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	—	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	—	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	—	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	—	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	—	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	—	2.00	"	"	"	"	"	"

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <u>WP&amp;YR/Shops/Skagway</u> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/07/05 13:58
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**Volatile Organic Compounds per EPA Method 8260B**  
North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1058-01</b>	<b>Water</b>	<b>10842-01</b>	<b>Sampled: 05/19/05 12:00</b>							
p-Isopropyltoluene	EPA 8260B	ND	----	2.00	ug/l	1x	5051333	05/31/05	05/31/05 13:59	
4-Methyl-2-pentanone	"	ND	----	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	"
Naphthalene	"	ND	----	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Styrene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	"
Toluene	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
Trichloroethene	"	1.43	----	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	"
o-Xylene	"	ND	----	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	"

<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>Recovery: 78.5%</i>	<i>Limits: 75 - 120 %</i>	"	"
	<i>1,2-DCA-d4</i>	<i>94.0%</i>	<i>77 - 129 %</i>	"	"
	<i>Dibromofluoromethane</i>	<i>94.0%</i>	<i>80 - 121 %</i>	"	"
	<i>Toluene-d8</i>	<i>92.5%</i>	<i>80 - 120 %</i>	"	"

<b>P5E1058-02</b>	<b>Water</b>	<b>10842-02</b>	<b>Sampled: 05/19/05 12:00</b>							
Acetone	EPA 8260B	ND	----	25.0	ug/l	1x	5051333	05/31/05	05/31/05 19:04	
Benzene	"	ND	----	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	----	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	"
Bromoform	"	ND	----	1.00	"	"	"	"	"	"
Bromomethane	"	ND	----	5.00	"	"	"	"	"	"
2-Butanone	"	ND	----	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	----	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	----	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	----	1.00	"	"	"	"	"	"

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created: <b>06/07/05 13:58</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>F5E1058-02</b>	<b>Water</b>	<b>10842-02</b>	<b>Sampled: 05/19/05 12:00</b>							
Chlorobenzene	EPA 8260B	ND	---	1.00	ug/l	1x	5051333	05/31/05	05/31/05 19:04	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	1.14	---	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/07/05 13:58
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1058-02</b>	<b>Water</b>	<b>10842-02</b>	<b>Sampled: 05/19/05 12:00</b>							
1,1,1-Trichloroethane	EPA 8260B	ND	---	1.00	ug/l	1x	5051333	05/31/05	05/31/05 19:04	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
Trichloroethene	"	2.79	---	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	"
o-Xylene	"	ND	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	"
<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>Recovery: 89.5%</i>		<i>Limits: 75 - 120 %</i>						
	<i>1,2-DCA-d4</i>	<i>98.0%</i>		<i>77 - 129 %</i>						
	<i>Dibromofluoromethane</i>	<i>102%</i>		<i>80 - 121 %</i>						
	<i>Toluene-d8</i>	<i>98.5%</i>		<i>80 - 120 %</i>						

<b>P5E1058-03</b>	<b>Water</b>	<b>10842-03</b>	<b>Sampled: 05/19/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5051333	05/31/05	05/31/05 19:31	
Benzene	"	ND	---	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromoform	"	ND	---	1.00	"	"	"	"	"	"
Bromomethane	"	ND	---	5.00	"	"	"	"	"	"
2-Butanone	"	ND	---	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <u>WP&amp;YR/Shops/Skagway</u> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/07/05 13:58
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**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1058-03	Water	10842-03	Sampled: 05/19/05 12:00							
Dichlorodifluoromethane	EPA 8260B	ND	---	5.00	ug/l	1x	5051333	05/31/05	05/31/05 19:31	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
Trichloroethene	"	ND	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylene	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB	Recovery: 90.0%	Limits: 75 - 120 %	"	"	"	"	"	"	
	1,2-DCA-d4	98.0%	77 - 129 %	"	"	"	"	"	"	
	Dibromofluoromethane	99.0%	80 - 121 %	"	"	"	"	"	"	

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/07/05 13:58
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**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1058-03	Water	10842-03	Sampled: 05/19/05 12:00							
	<i>Toluene-d8</i>		98.5%		80 - 120 %	1x			05/31/05 19:31	
P5E1058-04	Water	10842-04	Sampled: 05/19/05 12:00							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	S051333	05/31/05	05/31/05 19:59	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	2.70	---	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	<b>Report Created:</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	<b>06/07/05 13:58</b>

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1058-04</b>	<b>Water</b>	<b>10842-04</b>	<b>Sampled: 05/19/05 12:00</b>							
Hexachlorobutadiene	EPA 8260B	ND	---	4.00	ug/l	1x	5051333	05/31/05	05/31/05 19:59	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
Trichloroethene	"	5.69	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylene	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB	Recovery: 89.0%		Limits: 75 - 120 %	"					"
	1,2-DCA-d4	98.0%		77 - 129 %	"					"
	Dibromofluoromethane	102%		80 - 121 %	"					"
	Toluene-d8	98.0%		80 - 120 %	"					"

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <u>WP&amp;YR/Shops/Skaogway</u>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	06/07/05 13:58

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1058-05	Water	10842-05								
										Sampled: 05/20/05 12:00
Acetone	EPA 8260B	ND	-----	25.0	ug/l	1x	5051333	05/31/05	05/31/05 20:26	
Benzene	"	ND	-----	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	"
Bromoform	"	ND	-----	1.00	"	"	"	"	"	"
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	"
2-Butanone	"	ND	-----	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	"
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	"
Chloroform	"	ND	-----	1.00	"	"	"	"	"	"
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	-----	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	"

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/07/05 13:58
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**Volatile Organic Compounds per EPA Method 8260B**  
North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1058-05</b>	<b>Water</b>	<b>10842-05</b>	<b>Sampled: 05/20/05 12:00</b>							
p-Isopropyltoluene	EPA 8260B	ND	---	2.00	ug/l	1x	5051333	05/31/05	05/31/05 20:26	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
Trichloroethene	"	ND	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylene	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB	Recovery: 91.5%		Limits: 75 - 120 %	"					
	1,2-DCA-d4	99.0%		77 - 129 %	"					
	Dibromofluoromethane	101%		80 - 121 %	"					
	Toluene-d8	98.0%		80 - 120 %	"					

<b>P5E1058-06</b>	<b>Water</b>	<b>10842-06</b>	<b>Sampled: 05/20/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5051333	05/31/05	05/31/05 20:54	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	06/07/05 13:58

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1058-06	Water	10842-06								
										Sampled: 05/20/05 12:00
Chlorobenzene	EPA 8260B	ND	----	1.00	ug/l	1x	5051333	05/31/05	05/31/05 20:54	
Chloroethane	"	ND	----	1.00	"	"	"	"	"	
Chloroform	"	ND	----	1.00	"	"	"	"	"	
Chloromethane	"	ND	----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	
Naphthalene	"	ND	----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	
Styrene	"	ND	----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	
Toluene	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skapway</b>	Report Created: <b>06/07/05 13:58</b>
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1058-06</b>	<b>Water</b>	<b>10842-06</b>	<b>Sampled: 05/20/05 12:00</b>							
1,1,1-Trichloroethane	EPA 8260B	ND	----	1.00	ug/l	1x	5051333	05/31/05	05/31/05 20:54	
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	
o-Xylene	"	ND	----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	

<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>Recovery: 89.0%</i>	<i>Limits: 75 - 120 %</i>	"	"
	<i>1,2-DCA-d4</i>	<i>98.0%</i>	<i>77 - 129 %</i>	"	"
	<i>Dibromofluoromethane</i>	<i>102%</i>	<i>80 - 121 %</i>	"	"
	<i>Toluene-d8</i>	<i>98.0%</i>	<i>80 - 120 %</i>	"	"

<b>P5E1058-07</b>	<b>Water</b>	<b>10842-07</b>	<b>Sampled: 05/20/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5051333	05/31/05	05/31/05 21:21	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-353B	Report Created: 06/07/05 13:58
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSE1058-07	Water	10842-07								
										Sampled: 05/20/05 12:00
Dichlorodifluoromethane	EPA 8260B	ND	---	5.00	ug/l	1x	5051333	05/31/05	05/31/05 21:21	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	ND	---	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Styrene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Toluene	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
Trichloroethene	"	ND	---	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	"
o-Xylene	"	ND	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	"
Surrogate(s):	4-BFB	Recovery: 89.0%		Limits: 75 - 120 %	"					"
	1,2-DCA-d4	98.0%		77 - 129 %	"					"
	Dibromofluoromethane	99.5%		80 - 121 %	"					"

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	<b>06/07/05 13:58</b>

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1058-07</b>	<b>Water</b>	<b>10842-07</b>	<b>Sampled: 05/20/05 12:00</b>							
<i>Toluene-d8</i>		<i>98.0%</i>		<i>80 - 120 %</i>	<i>lx</i>				<i>05/31/05 21:21</i>	
<b>P5E1058-08</b>	<b>Water</b>	<b>10842-08</b>	<b>Sampled: 05/20/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	lx	5051333	05/31/05	05/31/05 21:49	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	4.07	---	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/07/05 13:58
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	DH	Batch	Prepared	Analyzed	Notes
P5E1058-08	Water	10842-08	Sampled: 05/20/05 12:00							
Hexachlorobutadiene	EPA 8260B	ND	---	4.00	ug/l	1x	5051333	05/31/05	05/31/05 21:49	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	ND	---	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Styrene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Tetrachloroethene	"	3.42	---	1.00	"	"	"	"	"	"
Toluene	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
Trichloroethene	"	4.57	---	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	"
o-Xylene	"	ND	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	"
Surrogate(s):	4-BFB	Recovery: 94.5%		Limits: 75 - 120 %	"					"
	1,2-DCA-d4	105%		77 - 129 %	"					"
	Dibromofluoromethane	108%		80 - 121 %	"					"
	Toluene-d8	105%		80 - 120 %	"					"

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created: <b>06/07/05 13:58</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1058-09</b>	<b>Water</b>	<b>10842-09</b>								
		<b>Sampled: 05/20/05 12:00</b>								
Acetone	EPA 8260B	ND	----	25.0	ug/l	1x	5060028	06/01/05	06/01/05 14:07	
Benzene	"	ND	----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromoform	"	ND	----	1.00	"	"	"	"	"	
Bromomethane	"	ND	----	5.00	"	"	"	"	"	
2-Butanone	"	ND	----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Chloroethane	"	ND	----	1.00	"	"	"	"	"	
Chloroform	"	ND	----	1.00	"	"	"	"	"	
Chloromethane	"	ND	----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	1.10	----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	----	2.00	"	"	"	"	"	

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<b>Golder Associates - Canada</b>	Project Name: <u>WP&amp;YR/Shops/Skagway</u>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/07/05 13:58
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1058-09</b>	<b>Water</b>	<b>10842-09</b>	<b>Sampled: 05/20/05 12:00</b>							
p-Isopropyltoluene	EPA 8260B	ND	---	2.00	ug/l	1x	5060028	06/01/05	06/01/05 14:07	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	ND	---	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Styrene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
<b>Tetrachloroethene</b>	"	<b>3.00</b>	----	1.00	"	"	"	"	"	"
Toluene	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
<b>Trichloroethene</b>	"	<b>1.54</b>	----	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	"
o-Xylene	"	ND	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	"

<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>Recovery: 94.0%</i>	<i>Limits: 75 - 120 %</i>	"
	<i>1,2-DCA-d4</i>	<i>98.5%</i>	<i>77 - 129 %</i>	"
	<i>Dibromofluoromethane</i>	<i>101%</i>	<i>80 - 121 %</i>	"
	<i>Toluene-d8</i>	<i>102%</i>	<i>80 - 120 %</i>	"

<b>P5E1058-10</b>	<b>Water</b>	<b>10842-10</b>	<b>Sampled: 05/20/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5060028	06/01/05	06/01/05 14:34	
Benzene	"	ND	---	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromoform	"	ND	---	1.00	"	"	"	"	"	"
Bromomethane	"	ND	---	5.00	"	"	"	"	"	"
2-Butanone	"	ND	---	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	"

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/07/05 13:58
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1058-10	Water	10842-10								
		Sampled: 05/20/05 12:00								
Chlorobenzene	EPA 8260B	ND	----	1.00	ug/l	1x	5060028	06/01/05	06/01/05 14:34	
Chloroethane	"	ND	----	1.00	"	"	"	"	"	"
Chloroform	"	ND	----	1.00	"	"	"	"	"	"
Chloromethane	"	ND	----	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	----	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	1.31	----	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	----	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	----	10.00	"	"	"	"	"	"
Isopropylbenzene	"	ND	----	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	----	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	----	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	"
Naphthalene	"	ND	----	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Styrene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	"
Toluene	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/07/05 13:58
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1058-10</b>	<b>Water</b>	<b>10842-10</b>	<b>Sampled: 05/20/05 12:00</b>							
1,1,1-Trichloroethane	EPA 8260B	ND	---	1.00	ug/l	1x	5060028	06/01/05	06/01/05 14:34	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
Trichloroethene	"	2.60	---	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	"
o-Xylene	"	ND	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	"
<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>Recovery: 94.5%</i>		<i>Limits: 75 - 120 %</i>	"	"	"	"	"	"
	<i>1,2-DCA-d4</i>	<i>99.5%</i>		<i>77 - 129 %</i>	"	"	"	"	"	"
	<i>Dibromofluoromethane</i>	<i>102%</i>		<i>80 - 121 %</i>	"	"	"	"	"	"
	<i>Toluene-d8</i>	<i>103%</i>		<i>80 - 120 %</i>	"	"	"	"	"	"

<b>P5E1058-11</b>	<b>Water</b>	<b>10842-11</b>	<b>Sampled: 05/21/05 12:00</b>							
Acetone	EPA 8260B	ND	----	25.0	ug/l	1x	5060028	06/01/05	06/01/05 15:02	
Benzene	"	ND	---	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromoform	"	ND	----	1.00	"	"	"	"	"	"
Bromomethane	"	ND	---	5.00	"	"	"	"	"	"
2-Butanone	"	ND	---	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	<b>Report Created:</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	<b>06/07/05 13:58</b>

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1058-11	Water	10842-11	Sampled: 05/21/05 12:00							
Dichlorodifluoromethane	EPA 8260B	ND	---	5.00	ug/l	1x	5060028	06/01/05	06/01/05 15:02	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	1.00	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	ND	---	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Styrene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	"
Toluene	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
Trichloroethene	"	1.99	---	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	"
o-Xylene	"	ND	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	"
Surrogate(s):	4-BFB	Recovery: 89.5%	Limits: 75 - 120 %	"	"	"	"	"	"	"
	1,2-DCA-d4	94.5%	77 - 129 %	"	"	"	"	"	"	"
	Dibromofluoromethane	98.0%	80 - 121 %	"	"	"	"	"	"	"

North Creek Analytical - Portland

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Mary A. Fritzman Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	<b>06/07/05 13:58</b>

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1058-11</b>	<b>Water</b>	<b>10842-11</b>	<b>Sampled: 05/21/05 12:00</b>							
<i>Toluene-d8</i>		<i>98.0%</i>			<i>.80 - 120 %</i>	<i>1x</i>			<i>06/01/05 15:02</i>	
<b>P5E1058-12</b>	<b>Water</b>	<b>10842-12</b>	<b>Sampled: 05/21/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5060028	06/01/05	06/01/05 15:30	
Benzene	"	ND	---	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromoform	"	ND	---	1.00	"	"	"	"	"	"
Bromomethane	"	ND	---	5.00	"	"	"	"	"	"
2-Butanone	"	ND	---	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	4.41	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"

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*Mary A. Fritz Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/07/05 13:58
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1058-12	Water	10842-12								Sampled: 05/21/05 12:00
Hexachlorobutadiene	EPA 8260B	ND	---	4.00	ug/l	1x	5060028	06/01/05	06/01/05 15:30	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
<b>Trichloroethene</b>	"	2.20	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylene	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>Recovery: 93.5%</i>		<i>Limits: 75 - 120 %</i>	"					
	<i>1,2-DCA-d4</i>	<i>96.0%</i>		<i>77 - 129 %</i>	"					
	<i>Dibromofluoromethane</i>	<i>100%</i>		<i>80 - 121 %</i>	"					
	<i>Toluene-d8</i>	<i>97.5%</i>		<i>80 - 120 %</i>	"					

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/07/05 13:58
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**Gasoline Range Organics (C6-C10) per AK101 - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5051140      Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
<b>Blank (5051140-BLK1)</b>													Extracted: 05/25/05 15:42			
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	--	--	--	--	--	--	05/25/05 17:46			
Surrogate(s): 4-BFB (FID)		Recovery: 98.6%		Limits: 60-120%		"						05/25/05 17:46				
<b>LCS (5051140-BS1)</b>													Extracted: 05/25/05 15:42			
Gasoline Range Organics	AK101 GRO	867	---	80.0	ug/l	1x	--	1000	86.7%	(60-120)	--	--	05/25/05 16:52			
Surrogate(s): 4-BFB (FID)		Recovery: 110%		Limits: 60-120%		"						05/25/05 16:52				
<b>LCS Dup (5051140-BSD1)</b>													Extracted: 05/25/05 15:42			
Gasoline Range Organics	AK101 GRO	865	---	80.0	ug/l	1x	--	1000	86.5%	(60-120)	0.231%	(20)	05/25/05 17:19			
Surrogate(s): 4-BFB (FID)		Recovery: 106%		Limits: 60-120%		"						05/25/05 17:19				
<b>Duplicate (5051140-DUP1)</b>													QC Source: P5E1058-01		Extracted: 05/25/05 15:42	
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	ND	--	--	--	NR	(50)	05/25/05 18:42			
Surrogate(s): 4-BFB (FID)		Recovery: 97.4%		Limits: 60-120%		"						05/25/05 18:42				
<b>Duplicate (5051140-DUP2)</b>													QC Source: P5E1058-11		Extracted: 05/25/05 15:42	
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	ND	--	--	--	NR	(50)	05/26/05 00:14			
Surrogate(s): 4-BFB (FID)		Recovery: 93.8%		Limits: 60-120%		"						05/26/05 00:14				

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/07/05 13:58
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**Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103 Low Volume - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5051228 Water Preparation Method: EPA 3510 Fuels

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (5051228-BLK1)</b>													Extracted: 05/27/05 07:35	
Diesel Range Organics	AK102/103	ND	---	0.500	mg/l	1x	--	--	--	--	--	--	06/02/05 18:19	
Residual Range Organics	"	ND	---	0.600	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1-Chlorooctadecane		Recovery:	87.3%	Limits: 50-150%		"							06/02/05 18:19	
Triacontane			115%	50-150%		"							"	
<b>LCS (5051228-BS1)</b>													Extracted: 05/27/05 07:35	
Diesel Range Organics	AK102/103	5.20	---	0.500	mg/l	1x	--	5.00	104%	(75-125)	--	--	06/02/05 18:53	
Residual Range Organics	"	2.96	---	0.600	"	"	--	3.02	98.0%	(60-120)	--	--	"	
Surrogate(s): 1-Chlorooctadecane		Recovery:	92.1%	Limits: 60-120%		"							06/02/05 18:53	
Triacontane			120%	60-120%		"							"	
<b>LCS Dup (5051228-BSD1)</b>													Extracted: 05/27/05 07:35	
Diesel Range Organics	AK102/103	4.85	---	0.500	mg/l	1x	--	5.00	97.0%	(75-125)	6.97%	(20)	06/06/05 13:05	
Residual Range Organics	"	2.87	---	0.600	"	"	--	3.02	95.0%	(60-120)	3.09%	"	"	
Surrogate(s): 1-Chlorooctadecane		Recovery:	87.3%	Limits: 60-120%		"							06/06/05 13:05	
Triacontane			114%	60-120%		"							"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created: <b>06/07/05 13:58</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5051333      Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5051333-BLKI)														Extracted: 05/31/05 10:19
Acetone	EPA 8260B	ND	--	25.0	ug/l	1x	--	--	--	--	--	--	05/31/05 13:04	
Benzene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	--	5.00	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	--	10.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	--	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	--	10.0	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	--	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	--	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	--	5.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	--	1.00	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	--	4.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	--	10.0	"	"	--	--	--	--	--	--	"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created:
500-4260 Still Creek Drive	Project Number: 96-1412-853B	06/07/05 13:58
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5051333 Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Extracted: 05/31/05 10:19														
<b>Blank (5051333-BLK1)</b>														
Isopropylbenzene	EPA 8260B	ND	---	2.00	ug/l	1x	--	--	--	--	--	--	05/31/05 13:04	
p-Isopropyltoluene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB	Recovery: 86.5%	Limits: 75-120%	"										05/31/05 13:04	
1,2-DCA-d4	97.0%	77-129%	"										"	
Dibromofluoromethane	98.5%	80-121%	"										"	
Toluene-d8	98.0%	80-120%	"										"	

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>06/07/05 13:58</b>
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**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: <b>5051333</b>	Water Preparation Method: <b>EPA 5030B</b>
--------------------------	--

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>LCS (5051333-BS1)</b>														
Extracted: 05/31/05 10:19														
Benzene	EPA 8260B	22.2	---	1.00	ug/l	1x	--	20.0	111%	(80-120)	--	--	05/31/05 11:14	
Chlorobenzene	"	22.5	---	1.00	"	"	--	"	112%	(80-124)	--	--	"	
1,1-Dichloroethene	"	21.2	---	1.00	"	"	--	"	106%	(78-120)	--	--	"	
Toluene	"	23.4	---	1.00	"	"	--	"	117%	(80-124)	--	--	"	
Trichloroethene	"	21.9	---	1.00	"	"	--	"	110%	(80-132)	--	--	"	
Surrogate(s): 4-BFB		Recovery: 102%		Limits: 75-120%										05/31/05 11:14
1,2-DCA-d4		93.0%		77-129%										"
Dibromofluoromethane		96.0%		80-121%										"
Toluene-d8		101%		80-120%										"

<b>Matrix Spike (5051333-MS1)</b>														
QC Source: P5E1058-01														
Extracted: 05/31/05 10:19														
Benzene	EPA 8260B	20.9	---	1.00	ug/l	1x	ND	20.0	104%	(80-124)	--	--	05/31/05 11:41	
Chlorobenzene	"	20.9	---	1.00	"	"	ND	"	104%	(72.9-134)	--	--	"	
1,1-Dichloroethene	"	21.6	---	1.00	"	"	ND	"	108%	(79.3-127)	--	--	"	
Toluene	"	21.8	---	1.00	"	"	ND	"	109%	(79.7-131)	--	--	"	
Trichloroethene	"	21.5	---	1.00	"	"	1.43	"	100%	(68.4-130)	--	--	"	
Surrogate(s): 4-BFB		Recovery: 96.5%		Limits: 75-120%										05/31/05 11:41
1,2-DCA-d4		94.0%		77-129%										"
Dibromofluoromethane		101%		80-121%										"
Toluene-d8		101%		80-120%										"

<b>Matrix Spike Dup (5051333-MSD1)</b>														
QC Source: P5E1058-01														
Extracted: 05/31/05 10:19														
Benzene	EPA 8260B	20.9	---	1.00	ug/l	1x	ND	20.0	104%	(80-124)	0.00%	(25)	05/31/05 12:09	
Chlorobenzene	"	21.0	---	1.00	"	"	ND	"	105%	(72.9-134)	0.477%	"	"	
1,1-Dichloroethene	"	21.7	---	1.00	"	"	ND	"	108%	(79.3-127)	0.462%	"	"	
Toluene	"	22.1	---	1.00	"	"	ND	"	110%	(79.7-131)	1.37%	"	"	
Trichloroethene	"	21.2	---	1.00	"	"	1.43	"	98.8%	(68.4-130)	1.41%	"	"	
Surrogate(s): 4-BFB		Recovery: 93.5%		Limits: 75-120%										05/31/05 12:09
1,2-DCA-d4		93.0%		77-129%										"
Dibromofluoromethane		97.5%		80-121%										"
Toluene-d8		98.0%		80-120%										"

North Creek Analytical - Portland

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**Golden Associates - Canada**  
 500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**  
 Project Number: **96-1412-853B**  
 Project Manager: **Linda Kemp**

Report Created:  
**06/07/05 13:58**

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: **5060028** Water Preparation Method: **EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Extracted: 06/01/05 09:34														
<b>Blank (5060028-BLK1)</b>														06/01/05 13:39
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	--	--	--	--	--	--		
Benzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Bromobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Bromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Bromoform	"	ND	---	5.00	"	"	--	--	--	--	--	--		
Bromomethane	"	ND	---	10.0	"	"	--	--	--	--	--	--		
2-Butanone	"	ND	---	5.00	"	"	--	--	--	--	--	--		
n-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
sec-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
tert-Butylbenzene	"	ND	---	10.0	"	"	--	--	--	--	--	--		
Carbon disulfide	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Chloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Chloroform	"	ND	---	5.00	"	"	--	--	--	--	--	--		
Chloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
2-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
4-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--		
1,2-Dibromo-3-chloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,2-Dibromoethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Dibromomethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--		
Dichlorodifluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,2-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,3-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
2,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,1-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Ethylbenzene	"	ND	---	4.00	"	"	--	--	--	--	--	--		
Hexachlorobutadiene	"	ND	---	10.0	"	"	--	--	--	--	--	--		
2-Hexanone	"	ND	---	10.0	"	"	--	--	--	--	--	--		

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North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skaagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/07/05 13:58
---	--	-----------------------------------

**Volatile Organic Compounds per EPA Method 8260B -- Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5060028      Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5060028-BLK1)										Extracted: 06/01/05 09:34				
Isopropylbenzene	EPA 8260B	ND	---	2.00	ug/l	1x	---	---	---	---	---	---	06/01/05 13:39	
p-Isopropyltoluene	"	ND	---	2.00	"	"	---	---	---	---	---	---	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	---	---	---	---	---	---	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
Methylene chloride	"	ND	---	5.00	"	"	---	---	---	---	---	---	"	
Naphthalene	"	ND	---	2.00	"	"	---	---	---	---	---	---	"	
n-Propylbenzene	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
Styrene	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
Tetrachloroethene	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
Toluene	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
Trichloroethene	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
Vinyl chloride	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
o-Xylene	"	ND	---	1.00	"	"	---	---	---	---	---	---	"	
m,p-Xylene	"	ND	---	2.00	"	"	---	---	---	---	---	---	"	

Surrogate(s): 4-BFB	Recovery: 93.5%	Limits: 75-120%	"	
1,2-DCA-d4	96.0%	77-129%	"	06/01/05 13:39
Dibromofluoromethane	99.3%	80-121%	"	"
Toluene-d8	100%	80-120%	"	"

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created: <b>06/07/05 13:58</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5060028 Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>LCS (5060028-BS1)</b>														
										Extracted: 06/01/05 09:34				
Benzene	EPA 8260B	23.2	---	1.00	ug/l	1x	--	20.0	116%	(80-120)	--	--	06/01/05 11:45	
Chlorobenzene	"	23.8	---	1.00	"	"	--	"	119%	(80-124)	--	--	"	
1,1-Dichloroethene	"	22.0	---	1.00	"	"	--	"	116%	(78-120)	--	--	"	
Toluene	"	23.9	---	1.00	"	"	--	"	120%	(80-124)	--	--	"	
Trichloroethene	"	23.4	---	1.00	"	"	--	"	117%	(80-132)	--	--	"	
Surrogate(s): 4-BFB		Recovery:		110%		Limits: 75-120%						06/01/05 11:45		
1,2-DCA-d4		Recovery:		97.5%		Limits: 77-129%						"		
Dibromofluoromethane		Recovery:		104%		Limits: 80-121%						"		
Toluene-d8		Recovery:		107%		Limits: 80-120%						"		

<b>Matrix Spike (5060028-MS1)</b>														
										QC Source: PSE1058-09				
										Extracted: 06/01/05 09:34				
Benzene	EPA 8260B	21.2	---	1.00	ug/l	1x	ND	20.0	106%	(80-124)	--	--	06/01/05 12:16	
Chlorobenzene	"	22.5	---	1.00	"	"	ND	"	112%	(72.9-134)	--	--	"	
1,1-Dichloroethene	"	22.3	---	1.00	"	"	ND	"	112%	(79.3-127)	--	--	"	
Toluene	"	22.7	---	1.00	"	"	ND	"	114%	(79.7-131)	--	--	"	
Trichloroethene	"	21.6	---	1.00	"	"	1.54	"	100%	(68.4-130)	--	--	"	
Surrogate(s): 4-BFB		Recovery:		104%		Limits: 75-120%						06/01/05 12:16		
1,2-DCA-d4		Recovery:		94.0%		Limits: 77-129%						"		
Dibromofluoromethane		Recovery:		100%		Limits: 80-121%						"		
Toluene-d8		Recovery:		103%		Limits: 80-120%						"		

<b>Matrix Spike Dup (5060028-MSD1)</b>														
										QC Source: PSE1058-09				
										Extracted: 06/01/05 09:34				
Benzene	EPA 8260B	21.9	---	1.00	ug/l	1x	ND	20.0	110%	(80-124)	3.25%	(2.5)	06/01/05 12:44	
Chlorobenzene	"	23.3	---	1.00	"	"	ND	"	116%	(72.9-134)	3.49%	"	"	
1,1-Dichloroethene	"	22.9	---	1.00	"	"	ND	"	114%	(79.3-127)	2.65%	"	"	
Toluene	"	23.8	---	1.00	"	"	ND	"	119%	(79.7-131)	4.73%	"	"	
Trichloroethene	"	22.4	---	1.00	"	"	1.54	"	104%	(68.4-130)	3.64%	"	"	
Surrogate(s): 4-BFB		Recovery:		115%		Limits: 75-120%						06/01/05 12:44		
1,2-DCA-d4		Recovery:		100%		Limits: 77-129%						"		
Dibromofluoromethane		Recovery:		109%		Limits: 80-121%						"		
Toluene-d8		Recovery:		110%		Limits: 80-120%						"		

North Creek Analytical - Portland

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**Golder Associates - Canada**

500-4260 Still Creek Drive  
Burnaby, BC/CAN V5C6C6

Project Name: WP&YR/Shops/Skarway  
Project Number: 96-1412-853B  
Project Manager: Linda Kemp

Report Created:  
06/07/05 13:58

**Notes and Definitions**

Report Specific Notes:

None

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR / NA - Not Reported / Not Available
- dry - Sample results reported on a dry weight basis. Reporting Limits are corrected for %Solids when %Solids are <50%.
- wet - Sample results and reporting limits reported on a wet weight basis (as received).
- RPD - Relative Percent Difference. (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL\* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. \*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

**CHAIN OF CUSTODY RECORD/ANALYSIS REQUEST**



500 - 4260 Still Creek Drive  
 Burnaby, British Columbia, Canada V5C 6C6  
 Telephone (604) 298-6623 Fax (604) 298-5253

Office the final reports should be sent to:  
 500-4260 Still Creek Dr.  
 Burnaby, B.C.  
 V5C 6C6  
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202 - 2790 Gladwin Road  
 Abbotsford, B.C.  
 V2T 4S8  
 Tel: (604) 850-8786  
 Fax: (604) 850-8756

**Analyses Required**

Project Number: 96-1412 - 8536  
 Short Title: Skagway Shops  
 Laboratory Name: NCA Labs  
 Address: 9405 SW Nimbus Ave  
 Telephone/Fax: (503) 906-9200  
 Contact: Mary Smith  
 Golder E-mail Address: L Kemp  
 Golder Contact: L Kemp  
 @golder.com

Sample Control Number (SCN)	Sample Location	Sa. #	Sample Depth (m)	Sample Matrix (over)	Date Sampled (D / M / Y)	Time Sampled (HH:MM)	Sample Type (over)	QAQC Code (over)	Related SCN (over)	Number of Containers	DR/RO	VOCs	RUSH	Remarks (over)
10842-01	AS-12	1		W	19/5/05	11 AM				2	✓	✓		
10842-02	AS-10	1		W	19/5/05	12 AM				2	✓	✓		
10842-03	AS-8	1		W	19/5/05	1 pm				2	✓	✓		
10842-04	AS-6	1		W	19/5/05	2 pm				2	✓	✓		
10842-05	MW98-2	1		W	20/5/05	11 AM				2	✓	✓		
10842-06	MW00-31	1		W	20/5/05	12 PM				2	✓	✓		
10842-07	MW00-32	1		W	20/5/05	1 pm				2	✓	✓		
10842-08	MW00-33	1		W	20/5/05	3 pm				2	✓	✓		
10842-09	MW-3HL	1		W	20/5/05	4 pm				2	✓	✓		
10842-10	MW-9HC	1		W	20/5/5	5 pm				2	✓	✓		
10842-11	MW-1HC	1		W	21/5/5	10 A				2	✓	✓		
10842-12	MW-1AHC	1		W	21/5/5	12 P				2	✓	✓		

Relinquished by: Signature: *[Signature]*  
 Relinquished by: Signature: *[Signature]*  
 Method of Shipment: Air  
 Shipped by: *[Signature]*  
 Comments:

Sample Storage (°C):  
 Date: May 23 05 7:00 AM  
 Received by: Signature: \_\_\_\_\_ Company: \_\_\_\_\_  
 Date: \_\_\_\_\_ Received by: Signature: \_\_\_\_\_ Company: \_\_\_\_\_  
 Temp (°C): \_\_\_\_\_ Cooler opened by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Received for Lab by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Waybill No.: \_\_\_\_\_  
 Shipment Condition: \_\_\_\_\_ Seal Intact: \_\_\_\_\_

**Instructions**

Sample Control Number – Include chain-of-custody form number as prefix.

Sample Matrix – Soil, Water, Air, Refuse, Sludge.

Sample Type – Discrete, Composite, Grab.

QA/QC Code - FD = Field duplicate (homogenized)  
FR = Field replicate (unhomogenized)  
FB = Field blank  
TB = Travel blank

Related SCN – Note associated sample control number for field duplicates or related composite sample control number for discrete samples.

Remarks – Note any special instructions for analytical lab.

Comments: Note any general comments for this set of samples. If samples are time sensitive, please provide the lab with the earliest time of sampling. I.e.: Earliest sample time: time, date



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June 06, 2005

Linda Kemp  
Golder Associates - Canada  
500-4260 Still Creek Drive  
Burnaby, BC/CAN V5C6C6

RE: WP&YR/Shops/Skagway

Enclosed are the results of analyses for samples received by the laboratory on 05/26/05 11:00.  
The following list is a summary of the NCA Work Orders contained in this report.  
If you have any questions concerning this report, please feel free to contact me.

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<u>Work</u>	<u>Project</u>	<u>Project Number</u>
P5E1141	WP&YR/Shops/Skagway	96-1412-853B

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Thank You,

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Mary A. Fritzmann Smith, Project Manager

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**North Creek Analytical, Inc.**  
Environmental Laboratory Network





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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>06/06/05 17:48</b>
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**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
10841-01 MW00-35 } DUP	P5E1141-01	Water	05/21/05 12:00	05/26/05 11:00
10841-02 MW00-35 } DUP	P5E1141-02	Water	05/21/05 12:00	05/26/05 11:00
10841-03 97-6M } DUP	P5E1141-03	Water	05/21/05 12:00	05/26/05 11:00
10841-04 97-6D } DUP	P5E1141-04	Water	05/21/05 12:00	05/26/05 11:00
10841-05 97-6M } DUP	P5E1141-05	Water	05/21/05 12:00	05/26/05 11:00
10841-06 ZHC	P5E1141-06	Water	05/21/05 12:00	05/26/05 11:00
10841-07 00-34	P5E1141-07	Water	05/23/05 12:00	05/26/05 11:00
10841-08 98-1 } DUP	P5E1141-08	Water	05/23/05 12:00	05/26/05 11:00
10841-09 98-1 } DUP	P5E1141-09	Water	05/23/05 12:00	05/26/05 11:00
10841-10 97-2	P5E1141-10	Water	05/23/05 12:00	05/26/05 11:00
10841-11 AS-2	P5E1141-11	Water	05/23/05 12:00	05/26/05 11:00
10841-12 AS-4	P5E1141-12	Water	05/23/05 12:00	05/26/05 11:00

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/06/05 17:48
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Gasoline Range Organics (C6-C10) per AK101**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1141-01</b>	Water	<b>10841-01</b>	<b>Sampled: 05/21/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	520	---	80.0	ug/l	1x	5051299	05/28/05	05/29/05 04:26	
Surrogate(s): 4-BFB (FID)		Recovery: 111%		Limits: 60 - 120 %						
<b>P5E1141-02</b>	Water	<b>10841-02</b>	<b>Sampled: 05/21/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	533	----	80.0	ug/l	1x	5051299	05/28/05	05/29/05 05:21	
Surrogate(s): 4-BFB (FID)		Recovery: 112%		Limits: 60 - 120 %						
<b>P5E1141-03</b>	Water	<b>10841-03</b>	<b>Sampled: 05/21/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5051299	05/28/05	05/29/05 05:48	
Surrogate(s): 4-BFB (FID)		Recovery: 96.6%		Limits: 60 - 120 %						
<b>P5E1141-04</b>	Water	<b>10841-04</b>	<b>Sampled: 05/21/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5051299	05/28/05	05/29/05 06:16	
Surrogate(s): 4-BFB (FID)		Recovery: 94.0%		Limits: 60 - 120 %						
<b>P5E1141-05</b>	Water	<b>10841-05</b>	<b>Sampled: 05/21/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5051299	05/28/05	05/29/05 06:44	
Surrogate(s): 4-BFB (FID)		Recovery: 97.4%		Limits: 60 - 120 %						
<b>P5E1141-06</b>	Water	<b>10841-06</b>	<b>Sampled: 05/21/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	----	80.0	ug/l	1x	5051299	05/28/05	05/29/05 07:11	
Surrogate(s): 4-BFB (FID)		Recovery: 95.6%		Limits: 60 - 120 %						
<b>P5E1141-07</b>	Water	<b>10841-07</b>	<b>Sampled: 05/23/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5051299	05/28/05	05/29/05 07:39	
Surrogate(s): 4-BFB (FID)		Recovery: 95.8%		Limits: 60 - 120 %						
<b>P5E1141-08</b>	Water	<b>10841-08</b>	<b>Sampled: 05/23/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	----	80.0	ug/l	1x	5051299	05/28/05	05/29/05 08:06	
Surrogate(s): 4-BFB (FID)		Recovery: 96.0%		Limits: 60 - 120 %						

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/06/05 17:48
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**Gasoline Range Organics (C6-C10) per AK101**  
North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1141-09</b>	<b>Water</b>	<b>10841-09</b>	<b>Sampled: 05/23/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	----	80.0	ug/l	1x	5051299	05/28/05	05/29/05 08:33	
Surrogate(s): 4-BFB (FID)		Recovery: 93.4%		Limits: 60 - 120 %						
<b>P5E1141-10RE1</b>	<b>Water</b>	<b>10841-10</b>	<b>Sampled: 05/23/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5051355	05/31/05	05/31/05 20:38	
Surrogate(s): 4-BFB (FID)		Recovery: 94.8%		Limits: 60 - 120 %						
<b>P5E1141-11RE1</b>	<b>Water</b>	<b>10841-11</b>	<b>Sampled: 05/23/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5051355	05/31/05	05/31/05 21:07	
Surrogate(s): 4-BFB (FID)		Recovery: 93.8%		Limits: 60 - 120 %						
<b>P5E1141-12RE1</b>	<b>Water</b>	<b>10841-12</b>	<b>Sampled: 05/23/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	----	80.0	ug/l	1x	5051355	05/31/05	05/31/05 21:34	
Surrogate(s): 4-BFB (FID)		Recovery: 96.4%		Limits: 60 - 120 %						

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>06/06/05 17:48</b>
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**Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103 Low Volume**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1141-01</b>	<b>Water</b>	<b>10841-01</b>	<b>Sampled: 05/21/05 12:00</b>							
Diesel Range Organics	AK102/103	3.83	---	0.455	mg/l	1x	5051229	05/27/05	06/03/05 10:53	
Residual Range Organics	"	ND	---	0.545	"	"	"	"	"	"
Surrogate(s):	1-Chlorooctadecane	Recovery: 94.3%		Limits: 50 - 150 %		"				"
	Triacotane	104%		50 - 150 %		"				"
<b>P5E1141-02</b>	<b>Water</b>	<b>10841-02</b>	<b>Sampled: 05/21/05 12:00</b>							
Diesel Range Organics	AK102/103	3.67	---	0.357	mg/l	1x	5051229	05/27/05	06/03/05 11:26	
Residual Range Organics	"	ND	---	0.429	"	"	"	"	"	"
Surrogate(s):	1-Chlorooctadecane	Recovery: 94.2%		Limits: 50 - 150 %		"				"
	Triacotane	98.4%		50 - 150 %		"				"
<b>P5E1141-03</b>	<b>Water</b>	<b>10841-03</b>	<b>Sampled: 05/21/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.357	mg/l	1x	5051229	05/27/05	06/03/05 11:59	
Residual Range Organics	"	ND	---	0.429	"	"	"	"	"	"
Surrogate(s):	1-Chlorooctadecane	Recovery: 80.0%		Limits: 50 - 150 %		"				"
	Triacotane	92.1%		50 - 150 %		"				"
<b>P5E1141-04</b>	<b>Water</b>	<b>10841-04</b>	<b>Sampled: 05/21/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.417	mg/l	1x	5051229	05/27/05	06/03/05 12:32	
Residual Range Organics	"	ND	---	0.500	"	"	"	"	"	"
Surrogate(s):	1-Chlorooctadecane	Recovery: 86.1%		Limits: 50 - 150 %		"				"
	Triacotane	98.4%		50 - 150 %		"				"
<b>P5E1141-05</b>	<b>Water</b>	<b>10841-05</b>	<b>Sampled: 05/21/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.333	mg/l	1x	5051229	05/27/05	06/03/05 14:10	
Residual Range Organics	"	ND	---	0.400	"	"	"	"	"	"
Surrogate(s):	1-Chlorooctadecane	Recovery: 88.8%		Limits: 50 - 150 %		"				"
	Triacotane	108%		50 - 150 %		"				"
<b>P5E1141-06</b>	<b>Water</b>	<b>10841-06</b>	<b>Sampled: 05/21/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.357	mg/l	1x	5051229	05/27/05	06/03/05 14:43	
Residual Range Organics	"	ND	---	0.429	"	"	"	"	"	"
Surrogate(s):	1-Chlorooctadecane	Recovery: 89.3%		Limits: 50 - 150 %		"				"
	Triacotane	108%		50 - 150 %		"				"

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>06/06/05 17:48</b>
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**Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103 Low Volume**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1141-07</b>	<b>Water</b>	<b>10841-07</b>	<b>Sampled: 05/23/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	----	0.400	mg/l	1x	5051229	05/27/05	06/03/05 15:16	
Residual Range Organics	"	ND	----	0.480	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 92.7%		Limits: 50 - 150 %	"					"
	Triacotane	107%		50 - 150 %	"					"
<b>P5E1141-08</b>	<b>Water</b>	<b>10841-08</b>	<b>Sampled: 05/23/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	----	0.400	mg/l	1x	5051229	05/27/05	06/03/05 15:49	
Residual Range Organics	"	ND	----	0.480	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 89.4%		Limits: 50 - 150 %	"					"
	Triacotane	101%		50 - 150 %	"					"
<b>P5E1141-09</b>	<b>Water</b>	<b>10841-09</b>	<b>Sampled: 05/23/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	----	0.400	mg/l	1x	5051229	05/27/05	06/03/05 16:21	
Residual Range Organics	"	ND	----	0.480	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 81.6%		Limits: 50 - 150 %	"					"
	Triacotane	97.6%		50 - 150 %	"					"
<b>P5E1141-10</b>	<b>Water</b>	<b>10841-10</b>	<b>Sampled: 05/23/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	----	0.400	mg/l	1x	5051229	05/27/05	06/03/05 16:54	
Residual Range Organics	"	ND	----	0.480	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 93.0%		Limits: 50 - 150 %	"					"
	Triacotane	109%		50 - 150 %	"					"
<b>P5E1141-11</b>	<b>Water</b>	<b>10841-11</b>	<b>Sampled: 05/23/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	----	0.400	mg/l	1x	5051229	05/27/05	06/03/05 17:27	
Residual Range Organics	"	ND	----	0.480	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 97.2%		Limits: 50 - 150 %	"					"
	Triacotane	110%		50 - 150 %	"					"
<b>P5E1141-12</b>	<b>Water</b>	<b>10841-12</b>	<b>Sampled: 05/23/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	----	0.435	mg/l	1x	5051229	05/27/05	06/03/05 18:00	
Residual Range Organics	"	ND	----	0.522	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 86.7%		Limits: 50 - 150 %	"					"
	Triacotane	99.3%		50 - 150 %	"					"

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/06/05 17:48
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1141-01	Water	10841-01	Sampled: 05/21/05 12:00							
Acetone	EPA 8260B	ND	----	25.0	ug/l	1x	5060111	06/02/05	06/02/05 19:29	
Benzene	"	9.20	----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromoform	"	ND	----	1.00	"	"	"	"	"	
Bromomethane	"	ND	----	5.00	"	"	"	"	"	
2-Butanone	"	ND	----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	1.12	----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Chloroethane	"	1.83	----	1.00	"	"	"	"	"	
Chloroform	"	ND	----	1.00	"	"	"	"	"	
Chloromethane	"	ND	----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	5.36	----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
Ethylbenzene	"	21.0	----	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	----	10.0	"	"	"	"	"	
Isopropylbenzene	"	2.25	----	2.00	"	"	"	"	"	

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	<b>Report Created:</b> 06/06/05 17:48
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**Volatile Organic Compounds per EPA Method 8260B**  
North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1141-01</b>	Water	10841-01	<b>Sampled: 05/21/05 12:00</b>							
p-Isopropyltoluene	EPA 8260B	ND	---	2.00	ug/l	1x	5060111	06/02/05	06/02/05 19:29	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	8.62	----	2.00	"	"	"	"	"	"
n-Propylbenzene	"	5.18	----	1.00	"	"	"	"	"	"
Styrene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	"
Toluene	"	3.40	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
Trichloroethene	"	1.15	---	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	38.6	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	2.29	----	1.00	"	"	"	"	"	"
o-Xylene	"	20.6	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	5.39	---	2.00	"	"	"	"	"	"
Surrogate(s):	4-BFB	Recovery: 97.5%	Limits: 75 - 120 %	"	"	"	"	"	"	"
	1,2-DCA-d4	95.5%	77 - 129 %	"	"	"	"	"	"	"
	Dibromofluoromethane	93.0%	80 - 121 %	"	"	"	"	"	"	"
	Toluene-d8	91.5%	80 - 120 %	"	"	"	"	"	"	"

<b>P5E1141-02</b>	Water	10841-02	<b>Sampled: 05/21/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5060111	06/02/05	06/02/05 19:55	
Benzene	"	9.04	----	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromoform	"	ND	---	1.00	"	"	"	"	"	"
Bromomethane	"	ND	---	5.00	"	"	"	"	"	"
2-Butanone	"	ND	---	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	1.13	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	----	1.00	"	"	"	"	"	"

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/06/05 17:48
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSE1141-02	Water	10841-02	Sampled: 05/21/05 12:00							
Chlorobenzene	EPA 8260B	ND	---	1.00	ug/l	1x	S060111	06/02/05	06/02/05 19:55	
Chloroethane	"	2.12	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	5.24	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	19.1	---	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	2.11	---	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	9.06	---	2.00	"	"	"	"	"	"
n-Propylbenzene	"	4.86	---	1.00	"	"	"	"	"	"
Styrene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	"
Toluene	"	3.16	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/06/05 17:48
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1141-02</b>	<b>Water</b>	<b>10841-02</b>	<b>Sampled: 05/21/05 12:00</b>							
1,1,1-Trichloroethane	EPA 8260B	ND	----	1.00	ug/l	1x	5060111	06/02/05	06/02/05 19:55	
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
Trichloroethene	"	1.08	----	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	22.5	----	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Vinyl chloride	"	2.17	----	1.00	"	"	"	"	"	"
o-Xylene	"	16.5	----	1.00	"	"	"	"	"	"
m,p-Xylene	"	4.13	----	2.00	"	"	"	"	"	"
<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>Recovery: 96.5%</i>		<i>Limits: 75 - 120 %</i>						
	<i>1,2-DCA-d4</i>	<i>95.5%</i>		<i>77 - 129 %</i>						
	<i>Dibromofluoromethane</i>	<i>93.0%</i>		<i>80 - 121 %</i>						
	<i>Toluene-d8</i>	<i>90.0%</i>		<i>80 - 120 %</i>						

<b>P5E1141-03</b>	<b>Water</b>	<b>10841-03</b>	<b>Sampled: 05/21/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5060111	06/02/05	06/02/05 20:22	
Benzene	"	ND	---	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	"
Bromoform	"	ND	----	1.00	"	"	"	"	"	"
Bromomethane	"	ND	----	5.00	"	"	"	"	"	"
2-Butanone	"	ND	----	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	"
sco-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created: <b>06/06/05 17:48</b>
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1141-03	Water	10841-03		Sampled: 05/21/05 12:00						
Dichlorodifluoromethane	EPA 8260B	ND	---	5.00	ug/l	1x	5060111	06/02/05	06/02/05 20:22	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	14.7	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	ND	---	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Styrene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Tetrachloroethene	"	2.04	---	1.00	"	"	"	"	"	"
Toluene	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
Trichloroethene	"	25.9	---	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	"
o-Xylene	"	ND	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	"
Surrogate(s):	4-BFB	Recovery: 94.0%		Limits: 75 - 120 %	"	"				"
	1,2-DCA-d4	97.0%		77 - 129 %	"	"				"
	Dibromofluoromethane	93.0%		80 - 121 %	"	"				"

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skaegway</b>
500-4260 Still Creek Drive	Project Number: 96-1412-853B
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp
	Report Created: 06/06/05 17:48

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1141-03</b>	<b>Water</b>	<b>10841-03</b>	<b>Sampled: 05/21/05 12:00</b>							
Toluene-d8		96.0%		80 - 120 %	1x				06/02/05 20:22	
<b>P5E1141-04</b>	<b>Water</b>	<b>10841-04</b>	<b>Sampled: 05/21/05 12:00</b>							
Acetone	EPA 8260B	ND	----	25.0	ug/l	1x	5060111	06/02/05	06/02/05 20:49	
Benzene	"	ND	----	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	----	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	"
Bromoform	"	ND	----	1.00	"	"	"	"	"	"
Bromomethane	"	ND	----	5.00	"	"	"	"	"	"
2-Butanone	"	ND	----	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	----	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	----	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	----	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
Chloroethane	"	ND	----	1.00	"	"	"	"	"	"
Chloroform	"	ND	----	1.00	"	"	"	"	"	"
Chloromethane	"	ND	----	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	----	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	"

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created: <b>06/06/05 17:48</b>
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1141-04	Water	10841-04	Sampled: 05/21/05 12:00							
Hexachlorobutadiene	EPA 8260B	ND	---	4.00	ug/l	1x	5060111	06/02/05	06/02/05 20:49	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	ND	---	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Styrene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	"
Toluene	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
Trichloroethene	"	ND	---	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	"
o-Xylene	"	ND	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	"
Surrogate(s):	4-BFB	Recovery: 93.0%		Limits: 75 - 120 %	"					"
	1,2-DCA-d4	96.0%		77 - 129 %	"					"
	Dibromofluoromethane	92.5%		80 - 121 %	"					"
	Toluene-d8	94.5%		80 - 120 %	"					"

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/06/05 17:48
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1141-05	Water	10841-05								
										Sampled: 05/21/05 12:00
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5060111	06/02/05	06/02/05 21:15	
Benzene	"	ND	---	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromoform	"	ND	---	1.00	"	"	"	"	"	"
Bromomethane	"	ND	---	5.00	"	"	"	"	"	"
2-Butanone	"	ND	---	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	14.6	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	"

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skaagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>06/06/05 17:48</b>
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**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PSE1141-05</b>	<b>Water</b>	<b>10841-05</b>	<b>Sampled: 05/21/05 12:00</b>							
p-Isopropyltoluene	EPA 8260B	ND	----	2.00	ug/l	1x	5060111	06/02/05	06/02/05 21:15	
4-Methyl-2-pentanone	"	ND	----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	
Naphthalene	"	ND	----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	
Styrene	"	ND	----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
<b>Tetrachloroethene</b>	"	<b>2.08</b>	---	1.00	"	"	"	"	"	
Toluene	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>25.4</b>	----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	
o-Xylene	"	ND	----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>Recovery: 95.0%</i>		<i>Limits: 75 - 120 %</i>	"					"
	<i>1,2-DCA-d4</i>	<i>97.0%</i>		<i>77 - 129 %</i>	"					"
	<i>Dibromofluoromethane</i>	<i>94.5%</i>		<i>80 - 121 %</i>	"					"
	<i>Toluene-d8</i>	<i>96.0%</i>		<i>80 - 120 %</i>	"					"

<b>PSE1141-06</b>	<b>Water</b>	<b>10841-06</b>	<b>Sampled: 05/21/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5060111	06/02/05	06/02/05 21:42	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created: <b>06/06/05 17:48</b>
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1141-06	Water	10841-06	Sampled: 05/21/05 12:00							
Chlorobenzene	EPA 8260B	ND	---	1.00	ug/l	1x	5060111	06/02/05	06/02/05 21:42	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	10.5	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	ND	---	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Styrene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Tetrachloroethene	"	1.39	---	1.00	"	"	"	"	"	"
Toluene	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <u>WP&amp;YR/Shops/Skagway</u>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	<u>Report Created:</u>
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	06/06/05 17:48

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSE1141-06	Water	10841-06	Sampled: 05/21/05 12:00							
1,1,1-Trichloroethane	EPA 8260B	ND	----	1.00	ug/l	1x	5060111	06/02/05	06/02/05 21:42	
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
Trichloroethene	"	15.1	----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	
o-Xylene	"	ND	----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB	Recovery: 97.5%		Limits: 75 - 120 %	"					"
	1,2-DCA-d4	99.5%		77 - 129 %	"					"
	Dibromofluoromethane	96.5%		80 - 121 %	"					"
	Toluene-d8	99.0%		80 - 120 %	"					"

PSE1141-07	Water	10841-07	Sampled: 05/23/05 12:00							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5060111	06/02/05	06/02/05 22:08	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skaeway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created: <b>06/06/05 17:48</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSE1141-07	Water	10841-07	Sampled: 05/23/05 12:00							
Dichlorodifluoromethane	EPA 8260B	ND	—	5.00	ug/l	1x	5060111	06/02/05	06/02/05 22:08	
1,1-Dichloroethane	"	ND	—	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	—	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	—	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	22.9	—	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	—	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	—	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	—	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	—	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	—	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	—	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	—	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	—	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	—	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	—	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	—	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	—	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	—	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	—	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	—	5.00	"	"	"	"	"	"
Naphthalene	"	ND	—	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	—	1.00	"	"	"	"	"	"
Styrene	"	ND	—	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	—	1.00	"	"	"	"	"	"
1,1,1,2,2-Tetrachloroethane	"	ND	—	1.00	"	"	"	"	"	"
Tetrachloroethene	"	3.26	—	1.00	"	"	"	"	"	"
Toluene	"	ND	—	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	—	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	—	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	—	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	—	1.00	"	"	"	"	"	"
Trichloroethene	"	37.2	—	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	—	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	—	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	—	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	—	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	—	1.00	"	"	"	"	"	"
o-Xylene	"	ND	—	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	—	2.00	"	"	"	"	"	"
Surrogate(s):	4-BFB	Recovery: 92.5%		Limits: 75 - 120 %	"					"
	1,2-DCA-d4	97.0%		77 - 129 %	"					"
	Dibromofluoromethane	93.0%		80 - 121 %	"					"

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>
500-4260 Still Creek Drive	Project Number: 96-1412-853B
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp
	Report Created: 06/06/05 17:48

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1141-07</b>	<b>Water</b>	<b>10841-07</b>	<b>Sampled: 05/23/05 12:00</b>							
<i>Toluene-d8</i>		<i>96.5%</i>		<i>80 - 120 %</i>	<i>Ix</i>				<i>06/02/05 22:08</i>	
<b>P5E1141-08</b>	<b>Water</b>	<b>10841-08</b>	<b>Sampled: 05/23/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	Ix	5060111	06/02/05	06/02/05 22:35	
Benzene	"	ND	---	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromoform	"	ND	---	1.00	"	"	"	"	"	"
Bromomethane	"	ND	---	5.00	"	"	"	"	"	"
2-Butanone	"	ND	---	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	5.14	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/06/05 17:48
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**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1141-08	Water	10841-08								
			Sampled: 05/23/05 12:00							
Hexachlorobutadiene	EPA 8260B	ND	---	4.00	ug/l	1x	5060111	06/02/05	06/02/05 22:35	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
Trichloroethene	"	14.7	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylene	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	

Surrogate(s):	4-BFB	Recovery: 93.5%	Limits: 75 - 120 %	"	"
	1,2-DCA-d4	100%	77 - 129 %	"	"
	Dibromofluoromethane	96.0%	80 - 121 %	"	"
	Toluene-d8	95.5%	80 - 120 %	"	"

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <u>WP&amp;YR/Shops/Skagway</u>	Report Created:
500-4260 Still Creek Drive	Project Number: 96-1412-853B	06/06/05 17:48
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1141-09	Water	10841-09	Sampled: 05/23/05 12:00							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5060111	06/02/05	06/02/05 23:02	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	5.08	---	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>06/06/05 17:48</b>
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**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	DH	Batch	Prepared	Analyzed	Notes
<b>P5E1141-09</b>	<b>Water</b>	<b>10841-09</b>	<b>Sampled: 05/23/05 12:00</b>							
p-Isopropyltoluene	EPA 8260B	ND	---	2.00	ug/l	1x	5060111	06/02/05	06/02/05 23:02	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	---	1.80	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>14.6</b>	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylene	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>			<i>Recovery: 94.0%</i>				<i>Limits: 75 - 120 %</i>		
	<i>1,2-DCA-d4</i>			<i>99.0%</i>				<i>77 - 129 %</i>		
	<i>Dibromofluoromethane</i>			<i>93.5%</i>				<i>80 - 121 %</i>		
	<i>Toluene-d8</i>			<i>95.5%</i>				<i>80 - 120 %</i>		

<b>P5E1141-10</b>	<b>Water</b>	<b>10841-10</b>	<b>Sampled: 05/23/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5060111	06/02/05	06/02/05 23:28	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	

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<b>Golder Associates - Canada</b>	Project Name: <u>WP&amp;YR/Shops/Skagway</u>	Report Created:
500-4260 Still Creek Drive	Project Number: 96-1412-853B	06/06/05 17:48
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1141-10	Water	10841-10	Sampled: 05/23/05 12:00							
Chlorobenzene	EPA 8260B	ND	---	1.00	ug/l	1x	5060111	06/02/05	06/02/05 23:28	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	12.1	---	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
Tetrachloroethene	"	2.41	---	1.00	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/06/05 17:48
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	DU	Batch	Prepared	Analyzed	Notes
<b>P5E1141-10</b>	<b>Water</b>	<b>10841-10</b>	<b>Sampled: 05/23/05 12:00</b>							
1,1,1-Trichloroethane	EPA 8260B	ND	----	1.00	ug/l	1x	5060111	06/02/05	06/02/05 23:28	
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
Trichloroethene	"	20.9	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	
o-Xylene	"	ND	----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	

Surrogate(s):	4-BFB	Recovery: 92.5%	Limits: 75 - 120 %	"	"
	1,2-DCA-d4	95.0%	77 - 129 %	"	"
	Dibromofluoromethane	93.0%	80 - 121 %	"	"
	Toluene-d8	95.0%	80 - 120 %	"	"

<b>P5E1141-11</b>	<b>Water</b>	<b>10841-11</b>	<b>Sampled: 05/23/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5060111	06/02/05	06/02/05 23:55	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created:
500-4260 Still Creek Drive	Project Number: 96-1412-853B	06/06/05 17:48
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1141-11	Water	10841-11								
										Sampled: 05/23/05 12:00
Dichlorodifluoromethane	EPA 8260B	ND	----	5.00	ug/l	1x	5060111	06/02/05	06/02/05 23:55	
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	5.60	----	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	----	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	----	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	----	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	----	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	----	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	"
Naphthalene	"	ND	----	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Styrene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	"
Toluene	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
Trichloroethene	"	11.1	----	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	"
o-Xylene	"	ND	----	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	"
Surrogate(s):	4-BFB	Recovery: 93.5%		Limits: 75 - 120 %	"					"
	1,2-DCA-d4	101%		77 - 129 %	"					"
	Dibromofluoromethane	95.0%		80 - 121 %	"					"

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>06/06/05 17:48</b>
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**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1141-11</b>	<b>Water</b>	<b>10841-11</b>	<b>Sampled: 05/23/05 12:00</b>							
<i>Toluene-d8</i>		95.0%		80 - 120 %	1x				06/02/05 23:55	
<b>P5E1141-12</b>	<b>Water</b>	<b>10841-12</b>	<b>Sampled: 05/23/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5060111	06/02/05	06/03/05 00:21	
Benzene	"	ND	---	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromoform	"	ND	---	1.00	"	"	"	"	"	"
Bromomethane	"	ND	---	5.00	"	"	"	"	"	"
2-Butanone	"	ND	---	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	2.16	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <u>WP&amp;YR/Shops/Skagway</u> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/06/05 17:48
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**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1141-12	Water	10841-12	Sampled: 05/23/05 12:00							
Hexachlorobutadiene	EPA 8260B	ND	---	4.00	ug/l	1x	5060111	06/02/05	06/03/05 00:21	
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	---	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	"
Naphthalene	"	ND	---	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Styrene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	"
Toluene	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	"
Trichloroethene	"	5.10	---	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	"
o-Xylene	"	ND	---	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	"
Surrogate(s):	4-BFB	Recovery: 92.5%		Limits: 75 - 120 %	"					"
	1,2-DCA-d4	99.0%		77 - 129 %	"					"
	Dibromofluoromethane	93.5%		80 - 121 %	"					"
	Toluene-d8	96.0%		80 - 120 %	"					"

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>06/06/05 17:48</b>
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**Gasoline Range Organics (C6-C10) per AK101 - Laboratory Quality Control Results**  
**North Creek Analytical - Portland**

QC Batch: **5051299** Water Preparation Method: **EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
<b>Blank (5051299-BLK1)</b>													Extracted: 05/28/05 10:47		
Gasoline Range Organics	AK101 GRO	ND	--	80.0	ug/l	1x	--	--	--	--	--	--	05/29/05 03:31		
Surrogate(s): 4-BFB (FID)		Recovery: 94.8%		Limits: 60-120%		"						05/29/05 03:31			
<b>LCS (5051299-BS1)</b>													Extracted: 05/28/05 10:47		
Gasoline Range Organics	AK101 GRO	763	--	80.0	ug/l	1x	--	1000	76.3%	(60-120)	--	--	05/29/05 02:36		
Surrogate(s): 4-BFB (FID)		Recovery: 104%		Limits: 60-120%		"						05/29/05 02:36			
<b>LCS Dup (5051299-BSD1)</b>													Extracted: 05/28/05 10:47		
Gasoline Range Organics	AK101 GRO	764	--	80.0	ug/l	1x	--	1000	76.4%	(60-120)	0.131% (20)	--	05/29/05 03:04		
Surrogate(s): 4-BFB (FID)		Recovery: 103%		Limits: 60-120%		"						05/29/05 03:04			
<b>Duplicate (5051299-DUP1)</b>													QC Source: P5E1141-01	Extracted: 05/28/05 10:47	
Gasoline Range Organics	AK101 GRO	478	--	80.0	ug/l	1x	520	--	--	--	8.42% (50)	--	05/29/05 04:54		
Surrogate(s): 4-BFB (FID)		Recovery: 113%		Limits: 60-120%		"						05/29/05 04:54			

QC Batch: **5051355** Water Preparation Method: **EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
<b>Blank (5051355-BLK1)</b>													Extracted: 05/31/05 12:55		
Gasoline Range Organics	AK101 GRO	ND	--	80.0	ug/l	1x	--	--	--	--	--	--	05/31/05 14:08		
Surrogate(s): 4-BFB (FID)		Recovery: 94.4%		Limits: 60-120%		"						05/31/05 14:08			
<b>LCS (5051355-BS1)</b>													Extracted: 05/31/05 12:55		
Gasoline Range Organics	AK101 GRO	817	--	80.0	ug/l	1x	--	1000	81.7%	(60-120)	--	--	05/31/05 13:14		
Surrogate(s): 4-BFB (FID)		Recovery: 106%		Limits: 60-120%		"						05/31/05 13:14			
<b>LCS Dup (5051355-BSD1)</b>													Extracted: 05/31/05 12:55		
Gasoline Range Organics	AK101 GRO	792	--	80.0	ug/l	1x	--	1000	79.2%	(60-120)	3.11% (20)	--	05/31/05 13:41		
Surrogate(s): 4-BFB (FID)		Recovery: 105%		Limits: 60-120%		"						05/31/05 13:41			
<b>Duplicate (5051355-DUP1)</b>													QC Source: P5E1183-01RE1	Extracted: 05/31/05 12:55	
Gasoline Range Organics	AK101 GRO	28800	--	800	ug/l	10x	29300	--	--	--	1.72% (50)	--	05/31/05 20:11		
Surrogate(s): 4-BFB (FID)		Recovery: 131%		Limits: 60-120%		1x						05/31/05 20:11		S-02	
<b>Duplicate (5051355-DUP2)</b>													QC Source: P5E1210-02	Extracted: 05/31/05 12:55	
Gasoline Range Organics	AK101 GRO	ND	--	80.0	ug/l	1x	ND	--	--	--	NR (50)	--	05/31/05 15:31		
Surrogate(s): 4-BFB (FID)		Recovery: 92.4%		Limits: 60-120%		"						05/31/05 15:31			

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<b>Golder Associates - Canada</b>	Project Name: <u>WP&amp;YR/Shops/Skagway</u>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/06/05 17:48
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Gasoline Range Organics (C6-C10) per AK101 - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5051355      Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Matrix Spike (5051355-MS1)</b>			QC Source: F5E1210-01			Extracted: 05/31/05 12:56								
Gasoline Range Organics	AK101 GRO	794	--	80.0	ug/l	1x	ND	1000	79.4%	(70-120)	--	--	05/31/05 15:58	
Surrogate(s): 4-BFB (FID)		Recovery: 104%	Limits: 60-120%											
<b>Matrix Spike Dup (5051355-MSD1)</b>			QC Source: F5E1210-01			Extracted: 05/31/05 12:56								
Gasoline Range Organics	AK101 GRO	744	--	80.0	ug/l	1x	ND	1000	74.4%	(70-120)	6.50%	(20)	05/31/05 16:27	
Surrogate(s): 4-BFB (FID)		Recovery: 103%	Limits: 60-120%											

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created: <b>06/06/05 17:48</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103 Low Volume - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: **5051229** Water Preparation Method: **EPA 3510 Fuels**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (5051229-BLK1)</b>													Extracted: 05/27/05 07:41	
Diesel Range Organics	AK102/103	ND	---	0.500	mg/l	1x	--	--	--	--	--	--	06/03/05 09:14	
Residual Range Organics	"	ND	---	0.600	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery:</i>	<i>92.1%</i>	<i>Limits: 50-150%</i>		"							<i>06/03/05 09:14</i>	
<i>Triacontane</i>		<i>Recovery:</i>	<i>115%</i>	<i>50-150%</i>		"							"	
<b>LCS (5051229-BS1)</b>													Extracted: 05/27/05 07:41	
Diesel Range Organics	AK102/103	5.40	---	0.500	mg/l	1x	--	5.00	108%	(75-125)	--	--	06/03/05 09:47	
Residual Range Organics	"	3.19	---	0.600	"	"	--	3.02	106%	(60-120)	--	--	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery:</i>	<i>84.9%</i>	<i>Limits: 60-120%</i>		"							<i>06/03/05 09:47</i>	
<i>Triacontane</i>		<i>Recovery:</i>	<i>112%</i>	<i>60-120%</i>		"							"	
<b>LCS Dup (5051229-BSD1)</b>													Extracted: 05/27/05 07:41	
Diesel Range Organics	AK102/103	5.59	---	0.500	mg/l	1x	--	5.00	112%	(75-125)	3.46%	(20)	06/03/05 10:20	
Residual Range Organics	"	3.21	---	0.600	"	"	--	3.02	106%	(60-120)	0.625%	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery:</i>	<i>95.9%</i>	<i>Limits: 60-120%</i>		"							<i>06/03/05 10:20</i>	
<i>Triacontane</i>		<i>Recovery:</i>	<i>119%</i>	<i>60-120%</i>		"							"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created:
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	06/06/05 17:48
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5060111 Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Extracted: 06/02/05 10:44														
<b>Blank (5060111-BLK1)</b>														
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	--	--	--	--	--	--	06/02/05 19:02	
Benzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	4.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skarway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/06/05 17:48
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5060111 Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (5060111-BLK1)</b>														
Extracted: 06/02/05 10:44														
Isopropylbenzene	EPA 8260B	ND	---	2.00	ug/l	1x	--	--	--	--	--	--	06/02/05 19:02	
p-Isopropyltoluene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB		Recovery: 95.5%		Limits: 75-120%									06/02/05 19:02	
1,2-DCA-d4		98.0%		77-129%									"	
Dibromofluoromethane		93.0%		80-121%									"	
Toluene-d8		96.5%		80-120%									"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created: <b>06/06/05 17:48</b>
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5060111 Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>LCS (5060111-BS1)</b>														
Extracted: 06/02/05 10:44														
Benzene	EPA 8260B	20.5	---	1.00	ug/l	1x	--	20.0	102%	(80-120)	--	--	06/02/05 17:16	
Chlorobenzene	"	19.4	---	1.00	"	"	--	"	97.0%	(80-124)	--	--	"	
1,1-Dichloroethene	"	18.2	---	1.00	"	"	--	"	91.0%	(78-120)	--	--	"	
Toluene	"	19.6	---	1.00	"	"	--	"	98.0%	(80-124)	--	--	"	
Trichloroethene	"	21.8	---	1.00	"	"	--	"	109%	(80-132)	--	--	"	
Surrogate(s):	4-BFB	Recovery:	100%	Limits:	75-120%	"							06/02/05 17:16	
	1,2-DCA-d4		97.0%		77-129%	"							"	
	Dibromofluoromethane		95.5%		80-121%	"							"	
	Toluene-d8		98.5%		80-120%	"							"	

<b>Matrix Spike (5060111-MS1)</b>														
QC Source: PSE1141-01														
Extracted: 06/02/05 10:44														
Benzene	EPA 8260B	28.6	---	1.00	ug/l	1x	9.20	20.0	97.0%	(80-124)	--	--	06/02/05 17:42	
Chlorobenzene	"	18.9	---	1.00	"	"	ND	"	94.5%	(72.9-134)	--	--	"	
1,1-Dichloroethene	"	17.2	---	1.00	"	"	ND	"	86.0%	(79.3-127)	--	--	"	
Toluene	"	20.3	---	1.00	"	"	3.40	"	84.5%	(79.7-131)	--	--	"	
Trichloroethene	"	19.9	---	1.00	"	"	1.15	"	93.8%	(68.4-130)	--	--	"	
Surrogate(s):	4-BFB	Recovery:	97.5%	Limits:	75-120%	"							06/02/05 17:42	
	1,2-DCA-d4		93.0%		77-129%	"							"	
	Dibromofluoromethane		95.0%		80-121%	"							"	
	Toluene-d8		92.5%		80-120%	"							"	

<b>Matrix Spike Dup (5060111-MSD1)</b>														
QC Source: PSE1141-01														
Extracted: 06/02/05 10:44														
Benzene	EPA 8260B	28.9	---	1.00	ug/l	1x	9.20	20.0	98.5%	(80-124)	1.04%	(25)	06/02/05 18:09	
Chlorobenzene	"	19.4	---	1.00	"	"	ND	"	97.0%	(72.9-134)	2.61%	"	"	
1,1-Dichloroethene	"	17.5	---	1.00	"	"	ND	"	87.5%	(79.3-127)	1.73%	"	"	
Toluene	"	20.5	---	1.00	"	"	3.40	"	85.5%	(79.7-131)	0.980%	"	"	
Trichloroethene	"	20.0	---	1.00	"	"	1.15	"	94.2%	(68.4-130)	0.501%	"	"	
Surrogate(s):	4-BFB	Recovery:	98.5%	Limits:	75-120%	"							06/02/05 18:09	
	1,2-DCA-d4		95.0%		77-129%	"							"	
	Dibromofluoromethane		96.0%		80-121%	"							"	
	Toluene-d8		93.5%		80-120%	"							"	

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skaerway</b>	
300-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	06/06/05 17:48

**Notes and Definitions**

Report Specific Notes:

S-02 - The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR / NA - Not Reported / Not Available
- dry - Sample results reported on a dry weight basis. Reporting Limits are corrected for %Solids when %Solids are <50%.
- wet - Sample results and reporting limits reported on a wet weight basis (as received).
- RPD - Relative Percent Difference. (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL\* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.  
 \*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

*Mary A. Fritzmann Smith*

CHAIN OF CUSTODY RECORD/ANALYSIS REQUEST



500 - 4260 Still Creek Drive  
 Burnaby, British Columbia, Canada V5C 6C6  
 Telephone (604) 298-6623 Fax (604) 298-5253

Project Number: 96-1412 - 853B  
 Short Title: Skagway Shards  
 Golder E-mail Address: Linda Kemp @golder.com  
 Golder Contact: Linda Kemp

Laboratory Name: NCA Labs  
 Address: 9405 SW Nimbus Ave  
 Telephone/Fax: (503) 906-9200  
 Contact: Mary Smith

Office the final reports should be sent to:  
 500-4260 Still Creek Dr.  
 Burnaby, B.C.  
 V5C 6C6  
 Tel: (604) 298-6623;  
 Fax: (604) 298-5253

202 - 2790 Gladwin Road  
 Abbotsford, B.C.  
 V2T 4S8  
 Tel: (604) 850-8786  
 Fax: (604) 850-8756

Analyses Required

Sample Control Number (SCN)	Sample Location	Sa. #	Sample Depth (m)	Sample Matrix (over)	Sample Date (D/M/Y)	Time Sampled (HH:MM)	Sample Type (over)	QAQC Code (over)	Related SCN (over)	Number of Containers	VOCS	PCRO/RRO	RUSH	Remarks (over)
10841-01	Mw00-35	1		W	2/5/5	2P		FDA 10841-02		8	✓	✓		7 containers
10841-02	Mw00-35	2		W	2/5/5	2P		FD 10841-01		8	✓	✓		7 containers
10841-03	Mw97-6M	1		W	2/5/5	2P		FDA 10841-05		8	✓	✓		
10841-04	Mw97-6D	1		W	2/5/5	3P		FD 10841-03		8	✓	✓		
10841-05	Mw97-6M	2		W	2/5/5	4P				8	✓	✓		
10841-06	Mw97-2NC	1		W	2/5/5	5P				8	✓	✓		
10841-07	Mw00-34	1		W	23/5/5	2P		FDA 10841-09		8	✓	✓		
10841-08	Mw98-1	1		W	23/5/5	3P		FD 10841-08		8	✓	✓		
10841-09	Mw98-1	2		W	23/5/5	3P				8	✓	✓		
10841-10	Mw97-2	1		W	23/5/5	3P				8	✓	✓		
10841-11	AS-2	1		W	23/5/5	4P				8	✓	✓		
10841-12	AS-4	1		W	23/5/5	5P				8	✓	✓		

Sampler's Signature: Linda Kemp  
 Sample Storage (°C):  
 Relinquished by: Signature  
 Relinquished by: Signature  
 Method of Shipment:  
 Shipped by:  
 Comments:

Company: Golder  
 Date: May 25 '05  
 Time: 9 AM  
 Received by: Signature  
 Received by: Signature  
 Company: Golder  
 Company: Golder  
 Date: May 25 '05  
 Time: 9 AM  
 Received for Lab by:  
 Date: May 25 '05  
 Temp (°C):  
 Cooler opened by:  
 Date: May 25 '05  
 Time: 9 AM

Waybill No.:  
 Shipment Condition:  
 Seal Intact:

Instructions

Sample Control Number – Include chain-of-custody form number as prefix.

Sample Matrix – Soil, Water, Air, Refuse, Sludge.

Sample Type – Discrete, Composite, Grab.

QA/QC Code - FD = Field duplicate (homogenized)  
FR = Field replicate (unhomogenized)  
FB = Field blank  
TB = Travel blank

Related SCN – Note associated sample control number for field duplicates or related composite sample control number for discrete samples.

Remarks – Note any special instructions for analytical lab.

Comments: Note any general comments for this set of samples. If samples are time sensitive, please provide the lab with the earliest time of sampling. I.e.: Earliest sample time: time, date



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June 06, 2005

Linda Kemp  
Golder Associates - Canada  
500-4260 Still Creek Drive  
Burnaby, BC/CAN V5C6C6

RE: WP&YR/Shops/Skagway

Enclosed are the results of analyses for samples received by the laboratory on 05/26/05 11:05.  
The following list is a summary of the NCA Work Orders contained in this report.  
If you have any questions concerning this report, please feel free to contact me.

---

<u>Work</u>	<u>Project</u>	<u>ProjectNumber</u>
P5E1146	WP&YR/Shops/Skagway	96-1412-853B

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Thank You,

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <u>WP&amp;YR/Shops/Skagway</u>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	06/06/05 17:40

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
10844-01 97-7D	P5E1146-01	Water	05/24/05 12:00	05/26/05 11:05
10844-02 97-7M	P5E1146-02	Water	05/24/05 12:00	05/26/05 11:05
10844-03 97-7S	P5E1146-03	Water	05/24/05 12:00	05/26/05 11:05
10844-04 97-1	P5E1146-04	Water	05/24/05 12:00	05/26/05 11:05

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shons/Skaugway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>06/06/05 17:40</b>
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**Gasoline Range Organics (C6-C10) per AK101**  
North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1146-01RE1</b>	Water	10844-01	<b>Sampled: 05/24/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5051355	05/31/05	05/31/05 22:01	
Surrogate(s): 4-BFB (FID)		Recovery: 93.0%		Limits: 60 - 120 %		"				
<b>P5E1146-02RE1</b>	Water	10844-02	<b>Sampled: 05/24/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	5051355	05/31/05	05/31/05 22:29	
Surrogate(s): 4-BFB (FID)		Recovery: 94.0%		Limits: 60 - 120 %		"				
<b>P5E1146-03RE1</b>	Water	10844-03	<b>Sampled: 05/24/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	ND	----	80.0	ug/l	1x	5051355	05/31/05	05/31/05 23:24	
Surrogate(s): 4-BFB (FID)		Recovery: 94.4%		Limits: 60 - 120 %		"				
<b>P5E1146-04RE1</b>	Water	10844-04	<b>Sampled: 05/24/05 12:00</b>							
Gasoline Range Organics	AK101 GRO	83.6	---	80.0	ug/l	1x	5051355	05/31/05	05/31/05 23:52	
Surrogate(s): 4-BFB (FID)		Recovery: 98.6%		Limits: 60 - 120 %		"				

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/06/05 17:40
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103 Low Volume**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PSE1146-01</b>	<b>Water</b>	<b>10844-01</b>	<b>Sampled: 05/24/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.370	mg/l	1x	5051229	05/27/05	06/03/05 18:33	
Residual Range Organics	"	ND	---	0.444	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane		Recovery: 93.0%		Limits: 50 - 150 %		"		"		
Triacontane		105%		50 - 150 %		"		"		
<b>PSE1146-02</b>	<b>Water</b>	<b>10844-02</b>	<b>Sampled: 05/24/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.385	mg/l	1x	5051229	05/27/05	06/03/05 19:06	
Residual Range Organics	"	ND	---	0.462	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane		Recovery: 93.5%		Limits: 50 - 150 %		"		"		
Triacontane		103%		50 - 150 %		"		"		
<b>PSE1146-03</b>	<b>Water</b>	<b>10844-03</b>	<b>Sampled: 05/24/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	0.400	mg/l	1x	5051229	05/27/05	06/03/05 20:46	
Residual Range Organics	"	ND	---	0.480	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane		Recovery: 91.7%		Limits: 50 - 150 %		"		"		
Triacontane		109%		50 - 150 %		"		"		
<b>PSE1146-04</b>	<b>Water</b>	<b>10844-04</b>	<b>Sampled: 05/24/05 12:00</b>							
Diesel Range Organics	AK102/103	2.97	---	0.370	mg/l	1x	5051229	05/27/05	06/03/05 21:19	D-17
Residual Range Organics	"	ND	---	0.444	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane		Recovery: 100%		Limits: 50 - 150 %		"		"		
Triacontane		113%		50 - 150 %		"		"		

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	<b>Report Created:</b> 06/06/05 17:40
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**Volatile Organic Compounds per EPA Method 8260B**  
North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1146-01</b>	<b>Water</b>	<b>10844-01</b>	<b>Sampled: 05/24/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5060081	06/02/05	06/02/05 11:40	
Benzene	"	ND	---	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromoform	"	ND	---	1.00	"	"	"	"	"	"
Bromomethane	"	ND	---	5.00	"	"	"	"	"	"
2-Butanone	"	ND	---	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	---	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	---	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	---	2.00	"	"	"	"	"	"

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/06/05 17:40
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1146-01</b>	<b>Water</b>	<b>10844-01</b>	<b>Sampled: 05/24/05 12:00</b>							
p-Isopropyltoluene	EPA 8260B	ND	---	2.00	ug/l	1x	5060081	06/02/05	06/02/05 11:40	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	"	"	"	
Methylene chloride	"	ND	---	5.00	"	"	"	"	"	
Naphthalene	"	ND	---	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	---	1.00	"	"	"	"	"	
Styrene	"	ND	---	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	---	1.00	"	"	"	"	"	
Toluene	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
Trichloroethene	"	ND	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylene	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>Recovery: 98.5%</i>		<i>Limits: 75 - 120 %</i>	"					"
	<i>1,2-DCA-d4</i>	<i>100%</i>		<i>77 - 129 %</i>	"					"
	<i>Dibromofluoromethane</i>	<i>96.0%</i>		<i>80 - 121 %</i>	"					"
	<i>Toluene-d8</i>	<i>99.0%</i>		<i>80 - 120 %</i>	"					"

<b>P5E1146-02</b>	<b>Water</b>	<b>10844-02</b>	<b>Sampled: 05/24/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5060081	06/02/05	06/02/05 12:07	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>06/06/05 17:40</b>
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**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1146-02</b>	<b>Water</b>	<b>10844-02</b>	<b>Sampled: 05/24/05 12:00</b>							
Chlorobenzene	EPA 8260B	ND	----	1.00	ug/l	1x	5060081	06/02/05	06/02/05 12:07	
Chloroethane	"	ND	----	1.00	"	"	"	"	"	
Chloroform	"	ND	----	1.00	"	"	"	"	"	
Chloromethane	"	ND	----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	----	10.00	"	"	"	"	"	
Isopropylbenzene	"	ND	----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	
Naphthalene	"	ND	----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	
Styrene	"	ND	----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	
Toluene	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	

North Creek Analytical - Portland

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Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <u>WP&amp;YR/Shops/Skarway</u>	Report Created:
500-4260 Still Creek Drive	Project Number: 96-1412-853B	06/06/05 17:40
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5E1146-02</b>	<b>Water</b>	<b>10844-02</b>	<b>Sampled: 05/24/05 12:00</b>							
1,1,1-Trichloroethane	EPA 8260B	ND	---	1.00	ug/l	1x	S060081	06/02/05	06/02/05 12:07	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	"	"	"	
Trichloroethene	"	ND	---	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	---	1.00	"	"	"	"	"	
o-Xylene	"	ND	---	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	---	2.00	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>Recovery: 100%</i>		<i>Limits: 75 - 120 %</i>	"					"
	<i>1,2-DCA-d4</i>	<i>99.5%</i>		<i>77 - 129 %</i>	"					"
	<i>Dibromofluoromethane</i>	<i>92.0%</i>		<i>80 - 121 %</i>	"					"
	<i>Toluene-d8</i>	<i>99.0%</i>		<i>80 - 120 %</i>	"					"

<b>P5E1146-03</b>	<b>Water</b>	<b>10844-03</b>	<b>Sampled: 05/24/05 12:00</b>							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	S060081	06/02/05	06/02/05 12:34	
Benzene	"	ND	---	1.00	"	"	"	"	"	
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	
Bromoform	"	ND	---	1.00	"	"	"	"	"	
Bromomethane	"	ND	---	5.00	"	"	"	"	"	
2-Butanone	"	ND	---	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	
Chloroethane	"	ND	---	1.00	"	"	"	"	"	
Chloroform	"	ND	---	1.00	"	"	"	"	"	
Chloromethane	"	ND	---	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created: 06/06/05 17:40
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSE1146-03	Water	10844-03	Sampled: 05/24/05 12:00							
Dichlorodifluoromethane	EPA 8260B	ND	----	5.00	ug/l	1x	5060081	06/02/05	06/02/05 12:34	
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	----	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	----	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	----	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	----	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	----	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	"
Naphthalene	"	ND	----	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Styrene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	"
Toluene	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
Trichloroethene	"	ND	----	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	"
o-Xylene	"	ND	----	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	"
Surrogate(s): 4-BFB		Recovery: 95.0%	Limits: 75 - 120 %							
1,2-DCA-d4		99.0%	77 - 129 %							
Dibromofluoromethane		93.5%	80 - 121 %							

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skaerway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/06/05 17:40
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**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	DIL	Batch	Prepared	Analyzed	Notes
P5E1146-03	Water	10844-03	Sampled: 05/24/05 12:00							
Toluene-d8		100%		80 - 120 %	Ix				06/02/05 12:34	
P5E1146-04	Water	10844-04	Sampled: 05/24/05 12:00							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	5060081	06/02/05	06/02/05 13:02	
Benzene	"	1.24	---	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	---	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	---	1.00	"	"	"	"	"	"
Bromoform	"	ND	---	1.00	"	"	"	"	"	"
Bromomethane	"	ND	---	5.00	"	"	"	"	"	"
2-Butanone	"	ND	---	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	---	5.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	---	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	---	10.0	"	"	"	"	"	"
Carbon tetrachloride	"	ND	---	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Chloroethane	"	ND	---	1.00	"	"	"	"	"	"
Chloroform	"	ND	---	1.00	"	"	"	"	"	"
Chloromethane	"	ND	---	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	---	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	---	5.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	4.63	---	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	---	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	"	"	"	"
Ethylbenzene	"	5.06	---	1.00	"	"	"	"	"	"

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <u>WP&amp;YR/Shops/Skagway</u> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/06/05 17:40
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**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5E1146-04	Water	10844-04	Sampled: 05/24/05 12:00							
Hexachlorobutadiene	EPA 8260B	ND	----	4.00	ug/l	1x	5060081	06/02/05	06/02/05 13:02	
2-Hexanone	"	ND	----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	
Naphthalene	"	ND	----	2.00	"	"	"	"	"	
n-Propylbenzene	"	1.40	----	1.00	"	"	"	"	"	
Styrene	"	ND	----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	
Toluene	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
Trichloroethene	"	2.97	----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Vinyl chloride	"	2.10	----	1.00	"	"	"	"	"	
o-Xylene	"	ND	----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB	Recovery: 94.0%		Limits: 75 - 120 %	"					
	1,2-DCA-d4	97.5%		77 - 129 %	"					
	Dibromofluoromethane	93.0%		80 - 121 %	"					
	Toluene-d8	97.0%		80 - 120 %	"					

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created: <b>06/06/05 17:40</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Gasoline Range Organics (C6-C10) per AK101 - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5051299 Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (5051299-BLK1)</b> Extracted: 05/28/05 10:47														
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	--	--	--	--	--	--	05/29/05 03:31	
Surrogate(s): 4-BFB (FID)		Recovery: 94.8%		Limits: 60-120%								05/29/05 03:31		
<b>LCS (5051299-BS1)</b> Extracted: 05/28/05 10:47														
Gasoline Range Organics	AK101 GRO	763	---	80.0	ug/l	1x	--	1000	76.3%	(60-120)	--	--	05/29/05 02:36	
Surrogate(s): 4-BFB (FID)		Recovery: 104%		Limits: 60-120%								05/29/05 02:36		
<b>LCS Dup (5051299-BSD1)</b> Extracted: 05/28/05 10:47														
Gasoline Range Organics	AK101 GRO	764	---	80.0	ug/l	1x	--	1000	76.4%	(60-120)	0.131%	(20)	05/29/05 03:04	
Surrogate(s): 4-BFB (FID)		Recovery: 103%		Limits: 60-120%								05/29/05 03:04		
<b>Duplicate (5051299-DUP1)</b> QC Source: P5E1141-01 Extracted: 05/28/05 10:47														
Gasoline Range Organics	AK101 GRO	478	---	80.0	ug/l	1x	520	--	--	--	8.42%	(50)	05/29/05 04:54	
Surrogate(s): 4-BFB (FID)		Recovery: 113%		Limits: 60-120%								05/29/05 04:54		

QC Batch: 5051355 Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (5051355-BLK1)</b> Extracted: 05/31/05 12:55														
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	--	--	--	--	--	--	05/31/05 14:08	
Surrogate(s): 4-BFB (FID)		Recovery: 94.4%		Limits: 60-120%								05/31/05 14:08		
<b>LCS (5051355-BS1)</b> Extracted: 05/31/05 12:55														
Gasoline Range Organics	AK101 GRO	817	---	80.0	ug/l	1x	--	1000	81.7%	(60-120)	--	--	05/31/05 13:14	
Surrogate(s): 4-BFB (FID)		Recovery: 106%		Limits: 60-120%								05/31/05 13:14		
<b>LCS Dup (5051355-BSD1)</b> Extracted: 05/31/05 12:55														
Gasoline Range Organics	AK101 GRO	792	---	80.0	ug/l	1x	--	1000	79.2%	(60-120)	3.11%	(20)	05/31/05 13:41	
Surrogate(s): 4-BFB (FID)		Recovery: 103%		Limits: 60-120%								05/31/05 13:41		
<b>Duplicate (5051355-DUP1)</b> QC Source: P5E1183-01RE1 Extracted: 05/31/05 12:55														
Gasoline Range Organics	AK101 GRO	28800	---	800	ug/l	10x	29300	--	--	--	1.72%	(50)	05/31/05 20:11	S-02
Surrogate(s): 4-BFB (FID)		Recovery: 131%		Limits: 60-120%		1x						05/31/05 20:11		
<b>Duplicate (5051355-DUP2)</b> QC Source: P5E1210-02 Extracted: 05/31/05 12:55														
Gasoline Range Organics	AK101 GRO	ND	---	80.0	ug/l	1x	ND	--	--	--	NR	(50)	05/31/05 15:31	
Surrogate(s): 4-BFB (FID)		Recovery: 92.4%		Limits: 60-120%								05/31/05 15:31		

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>06/06/05 17:40</b>
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**Gasoline Range Organics (C6-C10) per AK101 - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5051355      Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	DH	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Matrix Spike (5051355-MS1)</b>			QC Source: P5E1210-01			Extracted: 05/31/05 12:56								
Gasoline Range Organics	AK101 GRO	794	---	80.0	ug/l	1x	ND	1000	79.4%	(70-120)	--	--	05/31/05 15:58	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 104%</i>		<i>Limit: 60-120%</i>								<i>05/31/05 15:58</i>		
<b>Matrix Spike Dup (5051355-MSD1)</b>			QC Source: P5E1210-01			Extracted: 05/31/05 12:56								
Gasoline Range Organics	AK101 GRO	744	---	80.0	ug/l	1x	ND	1000	74.4%	(70-120)	6.50%	(20)	05/31/05 16:27	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 103%</i>		<i>Limit: 60-120%</i>								<i>05/31/05 16:27</i>		

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skaagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 06/06/05 17:40
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**Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103 Low Volume - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5051229      Water Preparation Method: EPA 3510 Fuels

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (5051229-BLK1)</b>										Extracted: 05/27/05 07:41				
Diesel Range Organics	AK102/103	ND	---	0.500	mg/l	1x	--	--	--	--	--	--	06/03/05 09:14	
Residual Range Organics	"	ND	---	0.600	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1-Chlorooctadecane		Recovery:	92.1%	Limits: 50-150%		"							06/03/05 09:14	
Triacontane		Recovery:	115%	Limits: 50-150%		"							"	
<b>LCS (5051229-BS1)</b>										Extracted: 05/27/05 07:41				
Diesel Range Organics	AK102/103	5.40	---	0.500	mg/l	1x	--	5.00	108%	(75-125)	--	--	06/03/05 09:47	
Residual Range Organics	"	3.19	---	0.600	"	"	--	3.02	106%	(60-120)	--	--	"	
Surrogate(s): 1-Chlorooctadecane		Recovery:	84.9%	Limits: 60-120%		"							06/03/05 09:47	
Triacontane		Recovery:	112%	Limits: 60-120%		"							"	
<b>LCS Dup (5051229-BSD1)</b>										Extracted: 05/27/05 07:41				
Diesel Range Organics	AK102/103	5.59	---	0.500	mg/l	1x	--	5.00	112%	(75-125)	3.46%	(20)	06/03/05 10:20	
Residual Range Organics	"	3.21	---	0.600	"	"	--	3.02	106%	(60-120)	0.625%	"	"	
Surrogate(s): 1-Chlorooctadecane		Recovery:	95.9%	Limits: 60-120%		"							06/03/05 10:20	
Triacontane		Recovery:	119%	Limits: 60-120%		"							"	

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<b>Golden Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>06/06/05 17:40</b>
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**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: 5060081 Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Extracted: 06/02/05 08:23														
<b>Blank (5060081-BLK1)</b>														
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	--	--	--	--	--	--	06/02/05 13:29	
Benzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Bromobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Bromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Bromoform	"	ND	---	5.00	"	"	--	--	--	--	--	--		
Bromomethane	"	ND	---	10.0	"	"	--	--	--	--	--	--		
2-Butanone	"	ND	---	5.00	"	"	--	--	--	--	--	--		
n-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
sec-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
tert-Butylbenzene	"	ND	---	10.0	"	"	--	--	--	--	--	--		
Carbon disulfide	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Chloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Chloroform	"	ND	---	5.00	"	"	--	--	--	--	--	--		
Chloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
2-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
4-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--		
1,2-Dibromo-3-chloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,2-Dibromoethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Dibromomethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--		
Dichlorodifluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,2-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,3-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
2,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,1-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Ethylbenzene	"	ND	---	4.00	"	"	--	--	--	--	--	--		
Hexachlorobutadiene	"	ND	---	10.0	"	"	--	--	--	--	--	--		
2-Hexanone	"	ND	---				--	--	--	--	--	--		

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skaeway</b>	
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	Report Created: <b>06/06/05 17:40</b>
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: **5060081** Water Preparation Method: **EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (5060081-BLK1)</b>													Extracted: 06/02/05 08:23	
Isopropylbenzene	EPA 8260B	ND	---	2.00	ug/l	1x	--	--	--	--	--	--	06/02/05 13:29	
p-Isopropyltoluene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 4-BFB</i>		<i>Recovery:</i>	<i>102%</i>	<i>Limits:</i>	<i>75-120%</i>	"							<i>06/02/05 13:29</i>	
<i>1,2-DCA-d4</i>			<i>106%</i>		<i>77-129%</i>	"							"	
<i>Dibromofluoromethane</i>			<i>99.5%</i>		<i>80-121%</i>	"							"	
<i>Toluene-d8</i>			<i>106%</i>		<i>80-120%</i>	"							"	

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created: <b>06/06/05 17:40</b>
500-4260 Still Creek Drive	Project Number: <b>96-1412-853B</b>	
Burnaby, BC/CAN V5C6C6	Project Manager: <b>Linda Kemp</b>	

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 North Creek Analytical - Portland

QC Batch: **5060081** Water Preparation Method: **EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Extracted: 06/02/05 08:23														
<b>LCS (5060081-BS1)</b>														
Benzene	EPA 8260B	20.3	---	1.00	ug/l	1x	--	20.0	102%	(80-120)	--	--	06/02/05 09:50	
Chlorobenzene	"	19.0	---	1.00	"	"	--	"	95.0%	(80-124)	--	--	"	
1,1-Dichloroethene	"	19.6	---	1.00	"	"	--	"	98.0%	(78-120)	--	--	"	
Toluene	"	19.4	---	1.00	"	"	--	"	97.0%	(80-124)	--	--	"	
Trichloroethene	"	18.1	---	1.00	"	"	--	"	90.5%	(80-132)	--	--	"	
Surrogate(s):	4-BFB	Recovery:	102%	Limits:	75-120%	"							06/02/05 09:50	
	1,2-DCA-d4		100%		77-129%	"							"	
	Dibromofluoromethane		102%		80-121%	"							"	
	Toluene-d8		102%		80-120%	"							"	

<b>Matrix Spike (5060081-MS1)</b>														
QC Source: P5E1146-01														
Extracted: 06/02/05 08:23														
Benzene	EPA 8260B	20.6	---	1.00	ug/l	1x	ND	20.0	103%	(80-124)	--	--	06/02/05 10:18	
Chlorobenzene	"	19.9	---	1.00	"	"	ND	"	99.5%	(72.9-134)	--	--	"	
1,1-Dichloroethene	"	19.3	---	1.00	"	"	ND	"	96.5%	(79.3-127)	--	--	"	
Toluene	"	19.6	---	1.00	"	"	ND	"	98.0%	(79.7-131)	--	--	"	
Trichloroethene	"	18.5	---	1.00	"	"	ND	"	92.5%	(68.4-130)	--	--	"	
Surrogate(s):	4-BFB	Recovery:	99.0%	Limits:	75-120%	"							06/02/05 10:18	
	1,2-DCA-d4		98.5%		77-129%	"							"	
	Dibromofluoromethane		100%		80-121%	"							"	
	Toluene-d8		97.5%		80-120%	"							"	

<b>Matrix Spike Dup (5060081-MSD1)</b>														
QC Source: P5E1146-01														
Extracted: 06/02/05 08:23														
Benzene	EPA 8260B	20.9	---	1.00	ug/l	1x	ND	20.0	104%	(80-124)	1.45%	(25)	06/02/05 10:45	
Chlorobenzene	"	20.4	---	1.00	"	"	ND	"	102%	(72.9-134)	2.48%	"	"	
1,1-Dichloroethene	"	19.5	---	1.00	"	"	ND	"	97.5%	(79.3-127)	1.03%	"	"	
Toluene	"	20.1	---	1.00	"	"	ND	"	100%	(79.7-131)	2.52%	"	"	
Trichloroethene	"	19.3	---	1.00	"	"	ND	"	96.5%	(68.4-130)	4.23%	"	"	
Surrogate(s):	4-BFB	Recovery:	100%	Limits:	75-120%	"							06/02/05 10:45	
	1,2-DCA-d4		100%		77-129%	"							"	
	Dibromofluoromethane		102%		80-121%	"							"	
	Toluene-d8		98.5%		80-120%	"							"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

North Creek Analytical, Inc.  
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<b>Golder Associates - Canada</b>	Project Name: <u>WP&amp;YR/Shops/Skagway</u>	
500-4260 Still Creek Drive	Project Number: 96-1412-853B	Report Created:
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	06/06/05 17:40

**Notes and Definitions**

Report Specific Notes:

- D-17 - Detected hydrocarbons in the diesel range do not have a distinct diesel pattern and may be due to heavily weathered diesel or possibly biogenic interference.
- S-02 - The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR / NA - Not Reported / Not Available
- drv - Sample results reported on a dry weight basis. Reporting Limits are corrected for %Solids when %Solids are <50%.
- wet - Sample results and reporting limits reported on a wet weight basis (as received).
- RPD - Relative Percent Difference. (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL\* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. \*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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 Environmental Laboratory Network

# CHAIN OF CUSTODY RECORD/ANALYSIS REQUEST

No 10844 page 1 of 1



500 - 4260 Still Creek Drive  
Burnaby, British Columbia, Canada V5C 6C6  
Telephone (604) 298-6623 Fax (604) 298-5253

Offices the final reports should be sent to:

- 500-4260 Still Creek Dr. Burnaby, B.C. V5C 6C6  
Tel: (604) 298-6623; Fax: (604) 298-5253
- 202 - 2790 Gladwin Road Abbotsford, B.C. V2T 4S8  
Tel: (604) 850-8786 Fax: (604) 850-8756
- 220 - 174 Wilson Street Victoria, B.C. V9A 7N6  
Tel: (250) 881-7372 Fax: (250) 881-7470

Project Number: 96-1412-853B  
 Short Title: Skagway Sheeps  
 Laboratory Name: NDA Labs  
 Address: 9405 SW Nimbus Ave  
 Golder Contact: Linda Kemp E-mail Address: lkemp@golder.com  
 Telephone/Fax: 505 906 9200 Contact: Mary Smith

Sample Control Number (SCN)	Sample Location	Sa. #	Sample Depth (m)	Sample Matrix (over)	Date Sampled (D / M / Y)	Time Sampled (HH:MM)	Sample Type (over)	QAQC Code (over)	Related SCN (over)	Analyses Required				Remarks (over)	
										Number of Containers	VOC	PCO	Geo		RUSH
10844-01	MW97-7D	1	2m	W	24/5/15	12p				2	✓	✓	✓		
10844-02	MW97-7M	1		W	24/5/15	1p				8	✓	✓	✓		
10844-03	MW97-7S	1		W	24/5/15	2p				8	✓	✓	✓		
10844-04	MW97-7	1		W	24/5/15	3p				70	✓	✓	✓		
-05															
-06															
-07															
-08															
-09															
-10															
-11															
-12															

Sampler's Signature: [Signature] Date: May 25/05 Time: 9AM Received by: Signature \_\_\_\_\_ Company \_\_\_\_\_  
 Sample Storage (°C): \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: Signature [Signature] Date: \_\_\_\_\_ Received by: Signature \_\_\_\_\_ Company \_\_\_\_\_  
 Relinquished by: Signature \_\_\_\_\_ Date: \_\_\_\_\_  
 Method of Shipment: \_\_\_\_\_ Waybill No.: \_\_\_\_\_  
 Shipped by: \_\_\_\_\_ Shipment Condition: \_\_\_\_\_ Seal Intact: \_\_\_\_\_  
 Received for Lab by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Temp (°C) \_\_\_\_\_ Cooler opened by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Time \_\_\_\_\_

Comments: All samples preserved with HCl (ran out of labels for small vials)

WHITE: Golder Copy    YELLOW: Lab Copy    PINK: Lab Returns with Final Report

**Instructions**

Sample Control Number – Include chain-of-custody form number as prefix.

Sample Matrix – Soil, Water, Air, Refuse, Sludge.

Sample Type – Discrete, Composite, Grab.

QA/QC Code - FD = Field duplicate (homogenized)  
FR = Field replicate (unhomogenized)  
FB = Field blank  
TB = Travel blank

Related SCN – Note associated sample control number for field duplicates or related composite sample control number for discrete samples.

Remarks – Note any special instructions for analytical lab.

Comments: Note any general comments for this set of samples. If samples are time sensitive, please provide the lab with the earliest time of sampling. I.e.: Earliest sample time: time, date



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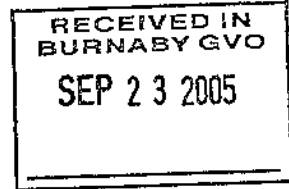
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September 14, 2005



Linda Kemp  
Golder Associates - Canada  
500-4260 Still Creek Drive  
Burnaby, BC/CAN V5C6C6

RE: WP&YR/Shops/Skagway

Enclosed are the results of analyses for samples received by the laboratory on 08/31/05 12:30.  
The following list is a summary of the NCA Work Orders contained in this report.  
If you have any questions concerning this report, please feel free to contact me.

<u>Work</u>	<u>Project</u>	<u>ProjectNumber</u>
P5H1259	WP&YR/Shops/Skagway	96-1412-853B

Thank You,

Mary A. Fritzmann Smith, Project Manager

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**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**





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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name:	<b>WP&amp;YR/Shops/Skagway</b>	<u>Report Created:</u> 09/14/05 16:06
	Project Number:	96-1412-853B	
	Project Manager:	Linda Kemp	

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP05-1 S5	P5H1259-05	Soil	08/26/05 12:00	08/31/05 12:30
TP05-2 S4	P5H1259-09	Soil	08/26/05 12:00	08/31/05 12:30
TP05-3 S2	P5H1259-11	Soil	08/26/05 12:00	08/31/05 12:30
TP05-4 S2	P5H1259-15	Soil	08/26/05 12:00	08/31/05 12:30
TP05-5 S4	P5H1259-21	Soil	08/26/05 12:00	08/31/05 12:30
TP05-6B S3	P5H1259-24	Soil	08/26/05 12:00	08/31/05 12:30
TP05-7 S3	P5H1259-27	Soil	08/26/05 12:00	08/31/05 12:30

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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**Golder Associates - Canada**

500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**

Project Number: 96-1412-853B

Project Manager: Linda Kemp

Report Created:

09/14/05 16:06

**Gasoline Range Organics (C6-C10) and BTEX per AK101/8021B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5H1259-05</b>	<b>Soil</b>	<b>TP05-1 S5</b>	<b>Sampled: 08/26/05 12:00</b>							
Gasoline Range Organics	AK101/8021B	ND	----	0.887	mg/kg dry	1x	5090159	09/06/05	09/06/05 16:35	
Benzene	"	ND	----	0.00444	"	"	"	"	"	"
Toluene	"	0.0317	----	0.0222	"	"	"	"	"	"
Ethylbenzene	"	ND	----	0.0222	"	"	"	"	"	"
Xylenes (total)	"	ND	----	0.0222	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		Recovery: 65.6%		Limits: 50 - 150 %		"		"		"
a,a,a-TFT (PID)		69.1%		50 - 150 %		"		"		"
<b>P5H1259-09</b>	<b>Soil</b>	<b>TP05-2 S4</b>	<b>Sampled: 08/26/05 12:00</b>							
Gasoline Range Organics	AK101/8021B	12.4	----	0.968	mg/kg dry	1x	5090159	09/06/05	09/06/05 17:30	
Benzene	"	ND	----	0.00484	"	"	"	"	"	"
Toluene	"	ND	----	0.0242	"	"	"	"	"	"
Ethylbenzene	"	ND	----	0.0242	"	"	"	"	"	"
Xylenes (total)	"	0.0783	----	0.0242	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		Recovery: 68.4%		Limits: 50 - 150 %		"		"		"
a,a,a-TFT (PID)		72.6%		50 - 150 %		"		"		"
<b>P5H1259-11</b>	<b>Soil</b>	<b>TP05-3 S2</b>	<b>Sampled: 08/26/05 12:00</b>							
Gasoline Range Organics	AK101/8021B	7.10	----	0.807	mg/kg dry	1x	5090159	09/06/05	09/06/05 17:57	
Benzene	"	0.0750	----	0.00403	"	"	"	"	"	"
Toluene	"	0.190	----	0.0202	"	"	"	"	"	"
Ethylbenzene	"	ND	----	0.0202	"	"	"	"	"	"
Xylenes (total)	"	0.0404	----	0.0202	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		Recovery: 55.8%		Limits: 50 - 150 %		"		"		"
a,a,a-TFT (PID)		50.6%		50 - 150 %		"		"		S-09
<b>P5H1259-15</b>	<b>Soil</b>	<b>TP05-4 S2</b>	<b>Sampled: 08/26/05 12:00</b>							
Gasoline Range Organics	AK101/8021B	ND	----	0.838	mg/kg dry	1x	5090159	09/06/05	09/06/05 18:24	
Benzene	"	ND	----	0.00419	"	"	"	"	"	"
Toluene	"	ND	----	0.0210	"	"	"	"	"	"
Ethylbenzene	"	ND	----	0.0210	"	"	"	"	"	"
Xylenes (total)	"	ND	----	0.0210	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		Recovery: 51.4%		Limits: 50 - 150 %		"		"		"
a,a,a-TFT (PID)		49.9%		50 - 150 %		"		"		S-09

North Creek Analytical - Portland

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Mary A. Fritzmann Smith

Mary A. Fritzmann Smith, Project Manager

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<b>Golder Associates - Canada</b>	Project Name: <b>WP&amp;YR/Shops/Skagway</b>	Report Created:
500-4260 Still Creek Drive	Project Number: 96-1412-853B	09/14/05 16:06
Burnaby, BC/CAN V5C6C6	Project Manager: Linda Kemp	

**Gasoline Range Organics (C6-C10) and BTEX per AK101/8021B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5H1259-21</b>	<b>Soil</b>	<b>TP05-5 S4</b>	<b>Sampled: 08/26/05 12:00</b>							
Gasoline Range Organics	AK101/8021B	ND	----	0.735	mg/kg dry	1x	5090159	09/06/05	09/06/05 19:48	
Benzene	"	ND	----	0.00368	"	"	"	"	"	
Toluene	"	ND	----	0.0184	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.0184	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.0184	"	"	"	"	"	
Surrogate(s): a,a,a-TFT (FID)		Recovery: 79.9%		Limits: 50 - 150 %		"				"
a,a,a-TFT (PID)		79.9%		50 - 150 %		"				"
<b>P5H1259-24</b>	<b>Soil</b>	<b>TP05-6B S3</b>	<b>Sampled: 08/26/05 12:00</b>							
Gasoline Range Organics	AK101/8021B	ND	----	0.816	mg/kg dry	1x	5090159	09/06/05	09/06/05 20:15	
Benzene	"	ND	----	0.00408	"	"	"	"	"	
Toluene	"	ND	----	0.0204	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.0204	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.0204	"	"	"	"	"	
Surrogate(s): a,a,a-TFT (FID)		Recovery: 68.1%		Limits: 50 - 150 %		"				"
a,a,a-TFT (PID)		68.8%		50 - 150 %		"				"
<b>P5H1259-27</b>	<b>Soil</b>	<b>TP05-7 S3</b>	<b>Sampled: 08/26/05 12:00</b>							
Gasoline Range Organics	AK101/8021B	4.34	----	0.787	mg/kg dry	1x	5090159	09/06/05	09/06/05 20:42	
Benzene	"	ND	----	0.00393	"	"	"	"	"	
Toluene	"	ND	----	0.0197	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.0197	"	"	"	"	"	
Xylenes (total)	"	0.0586	----	0.0197	"	"	"	"	"	
Surrogate(s): a,a,a-TFT (FID)		Recovery: 59.2%		Limits: 50 - 150 %		"				"
a,a,a-TFT (PID)		59.2%		50 - 150 %		"				" S-09

North Creek Analytical - Portland

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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**Golder Associates - Canada**  
 500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**  
 Project Number: 96-1412-853B  
 Project Manager: Linda Kemp

Report Created:  
 09/14/05 16:06

**Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5H1259-05</b>	<b>Soil</b>	<b>TP05-1 S5</b>	<b>Sampled: 08/26/05 12:00</b>							
Diesel Range Organics	AK102/103	58.0	---	25.0	mg/kg dry	1x	5090171	09/06/05	09/08/05 08:45	
Residual Range Organics	"	ND	---	50.0	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 84.1%		Limits: 50 - 150 %		"				"
	Triacotane	117%		50 - 150 %		"				"
<b>P5H1259-09</b>	<b>Soil</b>	<b>TP05-2 S4</b>	<b>Sampled: 08/26/05 12:00</b>							
Diesel Range Organics	AK102/103	2840	---	25.0	mg/kg dry	1x	5090171	09/06/05	09/08/05 10:36	
Residual Range Organics	"	ND	---	50.0	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 130%		Limits: 50 - 150 %		"				"
	Triacotane	110%		50 - 150 %		"				"
<b>P5H1259-11</b>	<b>Soil</b>	<b>TP05-3 S2</b>	<b>Sampled: 08/26/05 12:00</b>							
Diesel Range Organics	AK102/103	59.0	---	25.0	mg/kg dry	1x	5090171	09/06/05	09/08/05 11:13	
Residual Range Organics	"	191	---	50.0	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 72.6%		Limits: 50 - 150 %		"				"
	Triacotane	99.6%		50 - 150 %		"				"
<b>P5H1259-15</b>	<b>Soil</b>	<b>TP05-4 S2</b>	<b>Sampled: 08/26/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	250	mg/kg dry	10x	5090171	09/06/05	09/08/05 11:50	R-05
Residual Range Organics	"	571	---	500	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 94.3%		Limits: 50 - 150 %		"				"
	Triacotane	114%		50 - 150 %		"				"
<b>P5H1259-21</b>	<b>Soil</b>	<b>TP05-5 S4</b>	<b>Sampled: 08/26/05 12:00</b>							
Diesel Range Organics	AK102/103	234	---	25.0	mg/kg dry	1x	5090171	09/06/05	09/08/05 09:22	
Residual Range Organics	"	ND	---	50.0	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 81.0%		Limits: 50 - 150 %		"				"
	Triacotane	110%		50 - 150 %		"				"
<b>P5H1259-24</b>	<b>Soil</b>	<b>TP05-6B S3</b>	<b>Sampled: 08/26/05 12:00</b>							
Diesel Range Organics	AK102/103	ND	---	25.0	mg/kg dry	1x	5090171	09/06/05	09/08/05 09:59	
Residual Range Organics	"	185	---	50.0	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 65.2%		Limits: 50 - 150 %		"				"
	Triacotane	106%		50 - 150 %		"				"

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 09/14/05 16:06
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**Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5H1259-27	Soil	TP05-7 S3	Sampled: 08/26/05 12:00							
Diesel Range Organics	AK102/103	1610	----	25.0	mg/kg dry	1x	5090171	09/06/05	09/08/05 12:28	
Residual Range Organics	"	384	----	50.0	"	"	"	"	"	"
Surrogate(s):	1-Chlorooctadecane	Recovery: 68.8%		Limits: 50 - 150 %		"			"	
	Triacontane	104%		50 - 150 %		"			"	

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: <b>96-1412-853B</b> Project Manager: <b>Linda Kemp</b>	Report Created: <b>09/14/05 16:06</b>
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**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>P5H1259-05</b>	<b>Soil</b>	<b>TP05-1 S5</b>	<b>Sampled: 08/26/05 12:00</b>							
Acetone	EPA 8260B	ND	----	555	ug/kg dry	1x	5090204	09/07/05	09/07/05 12:20	
Benzene	"	ND	----	22.2	"	"	"	"	"	
Bromobenzene	"	ND	----	22.2	"	"	"	"	"	
Bromochloromethane	"	ND	----	22.2	"	"	"	"	"	
Bromodichloromethane	"	ND	----	22.2	"	"	"	"	"	
Bromoform	"	ND	----	22.2	"	"	"	"	"	
Bromomethane	"	ND	----	111	"	"	"	"	"	
2-Butanone	"	ND	----	222	"	"	"	"	"	
n-Butylbenzene	"	ND	----	111	"	"	"	"	"	
sec-Butylbenzene	"	ND	----	22.2	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	22.2	"	"	"	"	"	
Carbon disulfide	"	ND	----	222	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	22.2	"	"	"	"	"	
Chlorobenzene	"	ND	----	22.2	"	"	"	"	"	
Chloroethane	"	ND	----	22.2	"	"	"	"	"	
Chloroform	"	ND	----	22.2	"	"	"	"	"	
Chloromethane	"	ND	----	111	"	"	"	"	"	
2-Chlorotoluene	"	ND	----	22.2	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	22.2	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	111	"	"	"	"	"	
Dibromochloromethane	"	ND	----	22.2	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	22.2	"	"	"	"	"	
Dibromomethane	"	ND	----	22.2	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	22.2	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	22.2	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	22.2	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	----	111	"	"	"	"	"	
1,1-Dichloroethane	"	ND	----	22.2	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	22.2	"	"	"	"	"	
1,1-Dichloroethene	"	ND	----	22.2	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	----	22.2	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	22.2	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	22.2	"	"	"	"	"	
1,3-Dichloropropane	"	ND	----	22.2	"	"	"	"	"	
2,2-Dichloropropane	"	ND	----	22.2	"	"	"	"	"	
1,1-Dichloropropene	"	ND	----	22.2	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	22.2	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	22.2	"	"	"	"	"	
Ethylbenzene	"	ND	----	22.2	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	88.7	"	"	"	"	"	
2-Hexanone	"	ND	----	222	"	"	"	"	"	
Isopropylbenzene	"	ND	----	44.4	"	"	"	"	"	

North Creek Analytical - Portland

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**Golder Associates - Canada**

500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**

Project Number: 96-1412-853B

Project Manager: Linda Kemp

Report Created:

09/14/05 16:06

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5H1259-05	Soil	TP05-1 S5	Sampled: 08/26/05 12:00							
p-Isopropyltoluene	EPA 8260B	ND	----	44.4	ug/kg dry	1x	5090204	09/07/05	09/07/05 12:20	
4-Methyl-2-pentanone	"	ND	----	111	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	22.2	"	"	"	"	"	
Methylene chloride	"	ND	----	111	"	"	"	"	"	
Naphthalene	"	ND	----	44.4	"	"	"	"	"	
n-Propylbenzene	"	ND	----	22.2	"	"	"	"	"	
Styrene	"	ND	----	22.2	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	22.2	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	----	22.2	"	"	"	"	"	
Tetrachloroethene	"	30.6	----	22.2	"	"	"	"	"	
Toluene	"	30.2	----	22.2	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	22.2	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	22.2	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	----	22.2	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	22.2	"	"	"	"	"	
Trichloroethene	"	ND	----	22.2	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	22.2	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	22.2	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	22.2	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	22.2	"	"	"	"	"	
Vinyl chloride	"	ND	----	22.2	"	"	"	"	"	
o-Xylene	"	ND	----	22.2	"	"	"	"	"	
m,p-Xylene	"	ND	----	44.4	"	"	"	"	"	

Surrogate(s): 4-BFB Recovery: 99.6% Limits: 42.6 - 130 % 0.01x  
 1,2-DCA-d4 93.3% 57.3 - 144 % "  
 Dibromofluoromethane 87.6% 45.5 - 130 % "  
 Toluene-d8 92.4% 42.1 - 144 % "

P5H1259-09	Soil	TP05-2 S4	Sampled: 08/26/05 12:00							
Acetone	EPA 8260B	ND	----	605	ug/kg dry	1x	5090204	09/07/05	09/07/05 13:14	
Benzene	"	ND	----	24.2	"	"	"	"	"	
Bromobenzene	"	ND	----	24.2	"	"	"	"	"	
Bromochloromethane	"	ND	----	24.2	"	"	"	"	"	
Bromodichloromethane	"	ND	----	24.2	"	"	"	"	"	
Bromoform	"	ND	----	24.2	"	"	"	"	"	
Bromomethane	"	ND	----	121	"	"	"	"	"	
2-Butanone	"	ND	----	242	"	"	"	"	"	
n-Butylbenzene	"	ND	----	121	"	"	"	"	"	
sec-Butylbenzene	"	ND	----	24.2	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	24.2	"	"	"	"	"	
Carbon disulfide	"	ND	----	242	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	24.2	"	"	"	"	"	

North Creek Analytical - Portland

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<b>Golder Associates - Canada</b> 500-4260 Still Creek Drive Burnaby, BC/CAN V5C6C6	Project Name: <b>WP&amp;YR/Shops/Skagway</b> Project Number: 96-1412-853B Project Manager: Linda Kemp	Report Created: 09/14/05 16:06
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**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSH1259-09	Soil	TP05-2 S4	Sampled: 08/26/05 12:00							
	EPA 8260B	ND	----	24.2	ug/kg dry	1x	5090204	09/07/05	09/07/05 13:14	
Chlorobenzene	"	ND	----	24.2	"	"	"	"	"	"
Chloroethane	"	ND	----	24.2	"	"	"	"	"	"
Chloroform	"	ND	----	121	"	"	"	"	"	"
Chloromethane	"	ND	----	24.2	"	"	"	"	"	"
2-Chlorotoluene	"	ND	----	24.2	"	"	"	"	"	"
4-Chlorotoluene	"	ND	----	121	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	----	24.2	"	"	"	"	"	"
Dibromochloromethane	"	ND	----	24.2	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	----	24.2	"	"	"	"	"	"
Dibromomethane	"	ND	----	24.2	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	----	24.2	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	----	24.2	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	----	121	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	----	24.2	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	----	24.2	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	----	24.2	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	----	24.2	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	ND	----	24.2	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	----	24.2	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	----	24.2	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	----	24.2	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	----	24.2	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	----	24.2	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	----	24.2	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	----	24.2	"	"	"	"	"	"
Ethylbenzene	"	ND	----	96.8	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	----	242	"	"	"	"	"	"
2-Hexanone	"	ND	----	48.4	"	"	"	"	"	"
Isopropylbenzene	"	ND	----	48.4	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	----	121	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	----	24.2	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	----	121	"	"	"	"	"	"
Methylene chloride	"	ND	----	48.4	"	"	"	"	"	"
Naphthalene	"	ND	----	24.2	"	"	"	"	"	"
n-Propylbenzene	"	ND	----	24.2	"	"	"	"	"	"
Styrene	"	ND	----	24.2	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	----	24.2	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	----	24.2	"	"	"	"	"	"
Tetrachloroethene	"	ND	----	24.2	"	"	"	"	"	"
Toluene	"	ND	----	24.2	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	----	24.2	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	----	24.2	"	"	"	"	"	"

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**Golder Associates - Canada**

500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**

Project Number: 96-1412-853B

Project Manager: Linda Kemp

Report Created:

09/14/05 16:06

**Volatile Organic Compounds per EPA Method 8260B**  
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PSH1259-09</b>	<b>Soil</b>	<b>TP05-2 S4</b>	<b>Sampled: 08/26/05 12:00</b>							
1,1,1-Trichloroethane	EPA 8260B	ND	---	24.2	ug/kg dry	1x	5090204	09/07/05	09/07/05 13:14	
1,1,2-Trichloroethane	"	ND	---	24.2	"	"	"	"	"	
Trichloroethene	"	ND	---	24.2	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	24.2	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	24.2	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	---	24.2	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	24.2	"	"	"	"	"	
Vinyl chloride	"	ND	---	24.2	"	"	"	"	"	
o-Xylene	"	ND	---	48.4	"	"	"	"	"	
m,p-Xylene	"	ND	---	48.4	"	"	"	"	"	
Surrogate(s):	4-BFB	Recovery: 95.6%		Limits: 42.6 - 130 %	0.01x					
	1,2-DCA-d4	92.0%		57.3 - 144 %	"					
	Dibromofluoromethane	87.8%		45.5 - 130 %	"					
	Toluene-d8	93.8%		42.1 - 144 %	"					

<b>PSH1259-27</b>	<b>Soil</b>	<b>TP05-7 S3</b>	<b>Sampled: 08/26/05 12:00</b>							
Acetone	EPA 8260B	ND	---	492	ug/kg dry	1x	5090204	09/07/05	09/07/05 13:42	
Benzene	"	ND	---	19.7	"	"	"	"	"	
Bromobenzene	"	ND	---	19.7	"	"	"	"	"	
Bromochloromethane	"	ND	---	19.7	"	"	"	"	"	
Bromodichloromethane	"	ND	---	19.7	"	"	"	"	"	
Bromoform	"	ND	---	98.4	"	"	"	"	"	
Bromomethane	"	ND	---	197	"	"	"	"	"	
2-Butanone	"	ND	---	98.4	"	"	"	"	"	
n-Butylbenzene	"	ND	---	19.7	"	"	"	"	"	
sec-Butylbenzene	"	ND	---	19.7	"	"	"	"	"	
tert-Butylbenzene	"	ND	---	197	"	"	"	"	"	
Carbon disulfide	"	ND	---	19.7	"	"	"	"	"	
Carbon tetrachloride	"	ND	---	19.7	"	"	"	"	"	
Chlorobenzene	"	ND	---	19.7	"	"	"	"	"	
Chloroethane	"	ND	---	19.7	"	"	"	"	"	
Chloroform	"	ND	---	98.4	"	"	"	"	"	
Chloromethane	"	ND	---	19.7	"	"	"	"	"	
2-Chlorotoluene	"	ND	---	19.7	"	"	"	"	"	
4-Chlorotoluene	"	ND	---	19.7	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	---	98.4	"	"	"	"	"	
Dibromochloromethane	"	ND	---	19.7	"	"	"	"	"	
1,2-Dibromoethane	"	ND	---	19.7	"	"	"	"	"	
Dibromomethane	"	ND	---	19.7	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	---	19.7	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	---	19.7	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	---	19.7	"	"	"	"	"	

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*Mary A. Fritzmann Smith*

Mary A. Fritzmann Smith, Project Manager

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**Golder Associates - Canada**

500-4260 Still Creek Drive  
 Burnaby, BC/CAN V5C6C6

Project Name: **WP&YR/Shops/Skagway**

Project Number: **96-1412-853B**

Project Manager: **Linda Kemp**

Report Created:

09/14/05 16:06

**Volatile Organic Compounds per EPA Method 8260B**

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PSH1259-27	Soil	TP05-7 S3	Sampled: 08/26/05 12:00							
Dichlorodifluoromethane	EPA 8260B	ND	---	98.4	ug/kg dry	1x	5090204	09/07/05	09/07/05 13:42	
1,1-Dichloroethane	"	ND	---	19.7	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	19.7	"	"	"	"	"	
1,1-Dichloroethene	"	ND	---	19.7	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	---	19.7	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	---	19.7	"	"	"	"	"	
1,2-Dichloropropane	"	ND	---	19.7	"	"	"	"	"	
1,3-Dichloropropane	"	ND	---	19.7	"	"	"	"	"	
2,2-Dichloropropane	"	ND	---	19.7	"	"	"	"	"	
1,1-Dichloropropene	"	ND	---	19.7	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	---	19.7	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	---	19.7	"	"	"	"	"	
Ethylbenzene	"	ND	---	78.7	"	"	"	"	"	
Hexachlorobutadiene	"	ND	---	197	"	"	"	"	"	
2-Hexanone	"	ND	---	39.3	"	"	"	"	"	
Isopropylbenzene	"	ND	---	39.3	"	"	"	"	"	
p-Isopropyltoluene	"	ND	---	98.4	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	---	19.7	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	98.4	"	"	"	"	"	
Methylene chloride	"	ND	---	39.3	"	"	"	"	"	
Naphthalene	"	ND	---	19.7	"	"	"	"	"	
n-Propylbenzene	"	ND	---	19.7	"	"	"	"	"	
Styrene	"	ND	---	19.7	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	---	19.7	"	"	"	"	"	
1,1,1,2,2-Tetrachloroethane	"	ND	---	19.7	"	"	"	"	"	
Tetrachloroethene	"	ND	---	19.7	"	"	"	"	"	
Toluene	"	ND	---	19.7	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	---	19.7	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	---	19.7	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	---	19.7	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	---	19.7	"	"	"	"	"	
Trichloroethene	"	ND	---	19.7	"	"	"	"	"	
Trichlorofluoromethane	"	ND	---	19.7	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	---	19.7	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	43.2	---	19.7	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	---	19.7	"	"	"	"	"	
Vinyl chloride	"	ND	---	19.7	"	"	"	"	"	
o-Xylene	"	ND	---	19.7	"	"	"	"	"	
m,p-Xylene	"	ND	---	39.3	"	"	"	"	"	
Surrogate(s): 4-BFB		Recovery: 92.5%		Limits: 42.6 - 130 %	0.01x					
1,2-DCA-d4		90.1%		57.3 - 144 %	"					
Dibromofluoromethane		84.1%		45.5 - 130 %	"					

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**APPENDIX II**  
**SITE PHOTOGRAPHS**



**PHOTOGRAPH 1**

Showing soil samples being collected at TP05-1.



**PHOTOGRAPH 2**

View showing the excavation of TP05-6 and the historic fuel line.





**PHOTOGRAPH 3**

A view of the stained cobbles identified in TP05-6.



**PHOTOGRAPH 4**

A view of the grey stained soil in TP05-7.