

**Site Characterization, Solvent Groundwater Plume  
North Sitka Street And Spar Avenue Area  
Anchorage, Alaska**

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**Alaska Department of Environmental Conservation**  
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**SITE CHARACTERIZATION, SOLVENT GROUNDWATER PLUME  
NORTH SITKA STREET AND SPAR AVENUE AREA  
ANCHORAGE, ALASKA**

**1.0 INTRODUCTION**

This report presents the results of our site characterization activities for the area bounded by North Sitka Street, Spar Avenue, Wrangell Street, and Viking Drive in Anchorage, Alaska. During investigation by the Alaska Railroad Corporation (ARRC) groundwater impacted with chlorinated solvent was identified in the area. The concentrations in samples from a well installed at Karen's RV on the southwest corner of North Sitka Street and Viking Drive were significantly higher than the other wells and it was concluded by the ARRC and their consultant that the contamination was originating from an upgradient location. The purpose of this project is to evaluate the groundwater upgradient of the documented plume in an attempt to locate the source and the upgradient extent of the plume.

The work was performed for the Alaska Department of Environmental Conservation (ADEC), and was authorized by Mr. Dennis Harwood of the ADEC, Notice To Proceed numbers 1890281453B, and 1890281462A. The work was conducted in general accordance with our work plan dated May 24, 2007, and scope changes to the work plan dated May 31, 2007. The changes in scope were made to address comments by ADEC to the original work plan.

**2.0 SITE DESCRIPTION**

The project area is near Ship Creek and is bounded by and includes North Sitka Street, Spar Avenue, Wrangell Street, and Viking Drive (the Site). A vicinity map showing the approximate project location is included as Figure 1 and a site map showing pertinent site features is included as Figure 2. The general area is industrial in nature. The properties within the area contain various private businesses, warehouses, and vacant lots. Alaska Railroad Corporation has a right of way (ROW) that extends from North Sitka Street, near the juncture with Spar Avenue, then roughly northeast toward the east-west centerline of the Site, then along that centerline to Wrangell Street. The tracks extend only to approximately the center of the Site, with the remainder of the ROW consisting of an alleyway.

**3.0 FIELD ACTIVITIES**

Prior to performing field work, a site reconnaissance was conducted to view the site and assess potential hazards and access to proposed drilling locations. A utility locate request was submitted and conducted before field work commenced. Permits were obtained from the Municipality of Anchorage (MOA) to allow drilling on North Sitka Street, Spar Avenue, and

along the railroad ROW. One additional permit was obtained from the ARRC to work within their ROW. As part of the permitting process a Traffic Control Plan was prepared and submitted to MOA by Northern Dame Construction (NDC) of Wasilla, Alaska. Traffic control, including flaggers and other roadwork safety equipment were provided by NDC.

Discovery Drilling (Discovery) provided the personnel, materials, and equipment to advance the soil borings and install the well points. TestAmerica Analytical Testing Corporation (TA) provided the analytical testing for the project. Discovery and TA are located in Anchorage, Alaska and were under subcontract to Shannon & Wilson, Inc.

The project consisted of advancing 11 boreholes, installing temporary galvanized steel wellpoints, collecting soil and groundwater samples, removing the wellpoints, and backfilling the boreholes. A representative from Shannon & Wilson was present during field activities to identify boring locations, log the boreholes, and sample subsurface soil and groundwater.

### **3.1 Soil Borings**

Eleven borings, designated Borings B1 through B11 were advanced between July 14 and 15, 2007 by Discovery Drilling (Discovery) of Anchorage, Alaska. The borings were selected to attempt to locate the upgradient source of a chlorinated solvent plume that was detected at Karen's RV, immediately west-northwest of the Site. The west side of the Site was evaluated with Borings B1, B2, and B3, located on North Sitka Avenue, and Boring B11 located near North Sitka and on the ARRC ROW. Borings B4, B5, and B6 were located on Spar Avenue, and were the farthest upgradient boreholes. The remaining borings, designated Borings B7 through B10, were advanced along the ARRC ROW.

Discovery provided a truck-mounted CME-75 drill rig (see Photo 1 in Appendix A) equipped with 4.25-inch inside diameter (I.D.) hollow stem auger to advance the soil borings. Boring depths ranged from about 7 feet below ground surface (bgs) in Boring B4 to 9 feet bgs in Borings B6 through B11. Three-inch outside diameter split spoon samplers were used to collect the soil samples. Soil samples were collected by driving the split-spoon sampler ahead of the auger flights using a 340-pound hammer. Soil samples were collected from the borings at approximately 3 to 5 feet bgs and at the soil/groundwater interface. Petroleum hydrocarbon odor was noted from the soil sample collected from Boring B6. The drill cuttings were placed beside the boreholes and were used to backfill the boreholes. Following backfilling, Discovery used cold patch asphalt material to patch the pavement around Borings B1 through B6. Sample locations and descriptions are summarized in Table 1 and summary boring logs are included in Appendix B.

### **3.2 Monitoring Well Installation, Purging, and Sampling**

A 1.25-inch diameter, stainless steel well point with a 2-foot long, 0.010-slot screen was advanced from the base of the boring to the desired depth below the water table. The well points were driven in Borings B1 and B2. The first attempt at advancing a wellpoint into Boring 2 resulted in a bent wellpoint. The borehole was abandoned and a new one was advanced a few feet away (see Photo 2). Several attempts were made to drive the well point in Boring B3. Due to gravel and/or potential cobbles encountered at the soil/water interface in Boring B3, the boring was advanced 2 feet using the auger and the well point was placed at the desired depth. The auger was then removed from the boring. Each well point was purged of approximately 2 to 3 well volumes prior to sampling, using a disposable polyethylene bailer. The well point was then allowed to equilibrate for a minimum of 30 minutes prior to sampling. One analytical sample was obtained from each well point using a disposable bailer. Water quality parameters of temperature, specific conductance, dissolved oxygen, total dissolved solids, and pH, were recorded at the time of sampling. Following sampling, the well point was removed from the boring and the boring was backfilled using the drill cuttings. Purge water from each well point was discharged into the boring's annulus. Well purging and sampling information is summarized in Table 2.

### **3.3 Analytical Sample Collection**

Headspace screening samples were collected with a split spoon sampler every 5 feet. The sampler was driven by the drill rig using a hammer device, prior to drilling using a flight auger. The split-spoon sampler was opened and the soil from the outer part of the core was scraped away to expose undisturbed soil. The samples were evaluated, or "screened", for volatile organic compounds using a Thermo Instruments OVM 580B PID calibrated with 100 parts per million (ppm) isobutylene standard gas. The PID was used to sample the volatile vapors released from the soil using an ADEC-approved headspace sampling method. Headspace samples were collected in resealable plastic bags by filling them with freshly exposed soil and then sealing the top. Headspace samples were warmed to a common temperature, and PID readings were obtained within 60 minutes of the sample collection.

The analytical soil samples tested for volatile constituents were collected using the ADEC sampling procedure for Alaska Method 101 (AK 101). In accordance with the method, at least 25 grams of soil were quickly placed into a laboratory supplied 4 ounce jar that had been pre-weighed. Afterward, 25 milliliters of reagent grade methanol were added to submerge the soil. The methanol extracted the hydrocarbons from the soil at the time of sampling, thereby reducing the possible loss of volatile constituents prior to sample analysis. Samples were transferred to the jars using decontaminated stainless steel spoons, and transferred to the laboratory in coolers

with ice packs using chain-of-custody procedures. The number, depth, and classification of samples collected for the project are summarized in Table 1.

#### **4.0 LABORATORY ANALYSES**

The soil and groundwater samples were analyzed for volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) Method 8260B. Two soil samples for VOC testing were collected from each boring, plus one duplicate sample. The soil sample, designated Sample B6S1, collected from 3 to 4.8 feet bgs in Boring B6, and the groundwater sample designated Sample B6TW were also analyzed for gasoline range organics (GRO) by Alaska Method (AK) 101 and diesel range organics (DRO) by AK 102. Note that samples were collected for petroleum hydrocarbon analyses only if PID readings or other observed evidence indicated the potential for contamination by those constituents.

In addition to duplicate samples, quality control samples consisted of one soil methanol trip blank and one water trip blank. The trip blanks were used to evaluate potential cross contamination of volatile constituents. The trip blanks were analyzed for GRO and VOCs. The results of the soil and water analyses are summarized in Tables 3 and 4, respectively. Detailed laboratory reports are included in Appendix C.

#### **5.0 SUBSURFACE CONDITIONS**

The subsurface conditions in the borings generally consists of loose to medium dense, silty sand from the ground surface to about 4 to 5 feet bgs. Below 5 feet, the soil generally consisted of slightly silty, sandy gravel.

Groundwater was encountered between 4.5 and 7 feet bgs in the borings and static water levels in the well points were measured between about 5 and 9 feet bgs. Flow direction is generally to the northwest, based on previous evaluation by others. The wellpoints for this assessment were not surveyed; therefore, meaningful measurements for flow direction determination could not be made.

#### **6.0 ANALYTICAL RESULTS**

The results of the soil and groundwater testing are presented below. The applicable soil and groundwater cleanup levels are contained in the December 30, 2006 Oil and Other Hazardous Substances Pollution Control Regulations of 18 AAC 75. The soil cleanup levels were developed using Tables B1 and B2 of 18 AAC 75.340 for Method Two 'under 40-inches' precipitation zone cleanup criteria. The groundwater cleanup levels are contained in Table C of 18 AAC 75. The soil and groundwater cleanup levels are listed in Tables 3 and 4, respectively.

## **6.1 Soil Boring Samples Results**

The single soil sample analyzed for GRO and DRO, sample B6S1, contained 47.6 milligrams per kilogram (mg/kg) DRO, which is below the ADEC cleanup level for migration to groundwater.

In soil samples, a number of VOCs were detected (see Table 3); however, only trichloroethene (TCE) was detected at concentrations exceeding the applicable ADEC cleanup standards. Trichloroethene was the primary target of this investigation. The laboratory's method reporting limits (MRLS) for soils tested exceeded the cleanup levels; therefore, some of the results were estimated. The method detection limits were less than cleanup levels. Sample B4S2 was the only sample in which 1,2-dichloropropane was detected. The concentration in that sample was estimated at 0.0119 mg/kg, which is less than the applicable cleanup level.

Fourteen samples, including the duplicate, contained concentrations of TCE, and ten results were greater than the cleanup level. Samples B3S1, B5S2, B9S1, and B9S2 contained estimated concentrations less than cleanup level. Exceedences of cleanup level were found in samples B1S1, B1S2, B2S2, B3S2, B4S2, B10S1, B10S2, B10S4, B11S1, and B11S2. Note that sample B10S4 is a duplicate of sample B10S2. Concentrations that exceeded cleanup level ranged from 0.0280 (estimated) to 0.364 mg/kg, and are tabulated in Table 3, and are also presented in Figure 2.

## **6.2 Groundwater Samples Results**

One groundwater sample, B6TW from Boring B6, was analyzed for DRO and RRO. DRO was measured in this sample at a concentration of 1.46 milligrams per liter (mg/L), which is less than the cleanup level.

In Samples B4TW and B5TW, 1,2-Dichloroethane was detected at concentration less than the cleanup level. Samples B3TW, B4TW, B5TW, B10TW, and B11TW contained concentrations of cis-1,2-Dichloroethene at levels less than cleanup standards. Samples B3TW, B4TW, B10TW, B12TW, and B11TW (B12TW is a duplicate of B10TW) contained concentrations of 1,2-Dichloropropane less than cleanup levels. Samples B1TW through B5TW, and B10TW through B12TW contained concentrations of TCE. Concentrations in samples B1TW, B2TW, and B11TW exceeded cleanup levels.

There were several other individual VOCs reported in some of the samples; however, the measured or estimated concentrations were well below cleanup levels, or cleanup levels were not available. Those VOCs included acetone, benzene, dichlorodifluoromethane, p-isopropyltoluene, methylene chloride, toluene, and trichlorodifluoromethane.

### **6.3 Quality Control**

The project laboratory follows on-going quality assurance/quality control procedures to meet applicable ADEC data quality objectives (DQO). Internal laboratory controls to ensure data quality for sample batches generally include method blanks, matrix spike/matrix spike duplicates (MS/MSD), and laboratory control sample/laboratory control sample duplicates (LCS/LCSD) to determine completeness, precision, and accuracy. If a DQO was not met, the project laboratory provides a report specific note identifying the problem in the Notes and Definitions section of their Laboratory Analysis Report (See Appendix C).

Shannon & Wilson reviewed the TA data deliverables and completed the ADEC's Laboratory Data Review Checklist, which is included in Appendix C. The percent recoveries and/or relative percent difference calculations for the LCS/LCSDs and MS/MSDs were within the data quality objectives (DQOs).

Field quality controls include field records and trip blanks. Field logs and records were checked for completeness, accuracy, and adherence to field procedures established in ADEC's guidance documents. No discrepancies were identified in the field records that would impact the data validity.

Data quality for this project was also assessed using one methanol trip blanks and one water trip blank. The trip blanks accompanied the soil and water sample bottles from the laboratory to the site during sampling activities and back again to TA. The trip blanks did not contain detectable concentrations of GRO or VOCs, indicating that the samples were not cross contaminated or exposed to contamination from the sample handling and storage process.

## **7.0 DISCUSSION OF ANALYTICAL RESULTS**

The primary targets for this investigation were chlorinated hydrocarbons (CH), specifically, TCE that was encountered in a groundwater sample from a well at Karen's RV. The purpose of this project was to evaluate the upgradient edge of the TCE plume in groundwater, and if possible, identify the source of the elevated levels of TCE in the monitoring well at Karen's RV.

Although petroleum hydrocarbons were not of primary concern, the ADEC requested screening of soil samples for volatile vapors and observation for evidence of contamination. Samples were collected for analysis only if evidence of petroleum hydrocarbons was observed in the field.



## **7.1 Petroleum Hydrocarbons**

Soil and groundwater samples collected from Boring B6 contained DRO (see Figure 2 for locations of borings). The concentration of DRO in the soil and groundwater samples was less than the ADEC cleanup levels. Evidence of petroleum hydrocarbon contamination from field screening was not observed in samples collected from the other borings. The information from a single boring is insufficient to draw significant conclusions, other than the presence of those contaminants and the possibility that a release of petroleum has occurred in the vicinity of the sampling location.

## **7.2 Chlorinated Hydrocarbons**

Several chlorinated hydrocarbons were detected in both soil and groundwater samples; however, only TCE was found to exceed the applicable ADEC cleanup levels. Other chlorinated hydrocarbons were detected in various samples, but at concentrations less than the applicable ADEC cleanup levels.

Groundwater east of Boring B9 (B6, B7, and B8) did contain detectable TCE. In Borings B4 and B5, TCE was detected in soil at the 4.5 to 5 foot interval, but not at the shallower interval of 3 to 3.5 feet. Groundwater from those borings also contained TCE. While the absence of TCE from the shallower soil interval suggests that the source of the contamination was not at the location of these borings, the reporting limit for the shallow samples was greater than the reported concentrations for the deeper samples.

Of the remaining borings only the Boring B2 location did not contain reported TCE at the shallower soil interval. Borings B1, B2, B3, B9, B10, and B11 contained measured TCE in both soil intervals. The reported concentrations were similar and within a factor of 2 to 3 of each other. Concentrations of TCE in soil exceeded the ADEC cleanup level at the Boring B1, B2, B3, B4, B10, and B11 locations. Of those borings, only Boring B9 did not contain TCE in the groundwater sample. In our opinion, it is unlikely that there was a release of TCE at each of these scattered locations.

While the concentration of TCE in the soil sample collected from the Karen's RV site was below the ADEC cleanup, and lower than the reported concentrations from Borings B1 and B2, the sample was collected from deeper in the soil column and the results may not be directly comparable.

The measured concentrations of TCE in groundwater samples from Borings B1, B2, and B11 locations exceeded the ADEC cleanup level. Borings B1 and B2 are the farthest downgradient of the borings advanced. The TCE concentration in water samples collected from

the Karen's RV well was approximately an order of magnitude higher than the concentrations measured in the groundwater samples from Borings B1, B2, and B11.

## **8.0 CONCLUSIONS/RECOMMENDATIONS**

The purpose of this project was to evaluate the groundwater upgradient of the documented plume at Karen's RV, in an attempt to locate the source and the upgradient extent of the TCE plume.

The TCE plume boundaries were reasonably well defined to the east and south of the Karen's RV site. The upgradient edge of the TCE groundwater plume appears to be south and east of Borings B10 and B11. The extent of the soil impacted with TCE appears to be bounded by Borings B5 and B9.

While relatively widespread and low level TCE contamination was encountered in the area bounded by North Sitka Avenue, Viking Drive and Spar Avenue a definitive source area was not encountered. Additionally, the measured concentrations of TCE in both soil and groundwater samples appears to increase from southeast to northwest through the study area. It is possible that the source of the TCE measured in the groundwater at Karen's RV is located on the east side of North Sitka Street, between Borings B1 and B2. However, we would expect that the measured concentrations of TCE in the groundwater samples from Borings B1 and B2 to be similar to, or higher, than those measured in the Karen's RV well.

It is also possible that the source area for the TCE contamination is located in the study area and that the contamination is traveling through preferential pathways to the Karen's RV site. Based on the subsurface data collected during this study, in our opinion, this scenario is unlikely.

## **9.0 CLOSURE/LIMITATIONS**

This report was prepared for the exclusive use of our client and their representatives in the study of this site. The findings we have presented within this report are based on limited research, sampling, and analyses that we conducted. They should not be construed as definite conclusions regarding the site's soil and groundwater. It is possible that our subsurface tests missed higher levels of petroleum hydrocarbon constituents, although our intention was to sample areas likely to be impacted. As a result, the sampling and analysis performed can only provide you with our professional judgment as to the environmental characteristics of this site, and in no way guarantees that an agency or its staff will reach the same conclusions as Shannon & Wilson, Inc. The data presented in this report should be considered representative of the time of our site assessment. Changes in site conditions can occur over time, due to natural forces or human activity. In addition, changes in government codes, regulations, or laws may occur.

Because of such changes beyond our control, our observations and interpretations may need to be revised.

Shannon & Wilson has prepared the attachments in Appendix D "Important Information About Your Geotechnical/Environmental Report" to assist you and others in understanding the use and limitations of our reports. You are advised that various state and federal agencies (ADEC, EPA, etc.) may require the reporting of this information. Shannon & Wilson does not assume the responsibility for reporting these findings and therefore, has not, and will not, disclose the results of this study, unless specifically requested and authorized to do so.

We appreciate this opportunity to be of service. Please call Matthew S. Hemry, P.E. or the undersigned at (907) 561-2120 with any questions or comments concerning the contents of this report.

Sincerely,

SHANNON & WILSON, INC.



Nicholas E. Protos  
Sr. Environmental Engineer

Reviewed By



Stafford Glashan, P.E.  
Vice President

TABLE 1 - SAMPLE LOCATIONS AND DESCRIPTIONS

Sample Number	Date	Sample Location (See Figure 2)	Depth (feet)	Headspace (ppm) ^	Sample Classification** (See Appendix B)
<b>Soil Samples</b>					
<b>Boring B1</b>					
* B1S1	06/14/07	Boring B1, Sample S1	3-3.7	0.8	Loose, brown, silty SAND; moist
* B1S2	06/14/07	Boring B1, Sample S2	5-6.8	1.6	Loose, brown, slightly silty, sandy GRAVEL; moist to wet
<b>Boring B2</b>					
* B2S1	06/14/07	Boring B2, Sample S1	3-3.7	0.5	Loose, brown, slightly silty SAND; moist
* B2S2	06/14/07	Boring B2, Sample S2	5-6.9	1.1	Loose, brown, slightly silty, sandy GRAVEL; moist to wet
<b>Boring B3</b>					
* B3S1	06/14/07	Boring B3, Sample S1	3-4.8	0.5	Medium dense, brown, slightly gravelly, silty SAND; moist
* B3S2	06/14/07	Boring B3, Sample S2	5-6.9	0.7	Dense, brown, slightly silty, sandy GRAVEL; moist to wet
<b>Boring B4</b>					
* B4S1	06/14/07	Boring B4, Sample S1	3-3.5	1.0	Medium dense, brown, slightly silty, sandy GRAVEL; moist
* B4S2	06/14/07	Boring B4, Sample S2	4.5-5	1.0	Medium dense, brown, slightly silty, sandy GRAVEL; moist to wet
<b>Boring B5</b>					
* B5S1	06/14/07	Boring B5, Sample S1	3-3.5	0.4	Loose, brown, slightly silty, sandy GRAVEL; moist
* B5S2	06/14/07	Boring B5, Sample S2	4.5-5	0.4	Loose, brown, slightly silty, sandy GRAVEL; moist to wet
<b>Boring B6</b>					
* B6S1	06/14/07	Boring B6, Sample S1	3-4.8	3.2	Medium dense, dark brown, slightly gravelly, silty SAND; moist; hydrocarbon odor
* B6S2	06/14/07	Boring B6, Sample S2	5-7	2.2	Loose, dark brown, slightly gravelly, PEAT; moist to wet
B6S3	06/14/07	Boring B6, Sample S3	7-8.5	6.7	Loose, dark brown, slightly silty, sandy GRAVEL; wet; scattered organics
<b>Boring B7</b>					
* B7S1	06/14/07	Boring B7, Sample S1	3-4.5	0.9	Loose, brown, slightly gravelly, silty SAND; moist
* B7S2	06/14/07	Boring B7, Sample S2	5-5.5	0.7	Loose, brown, slightly silty, sandy GRAVEL; moist to wet
<b>Boring B8</b>					
* B8S1	06/15/07	Boring B8, Sample S1	3-4.8	0.4	Medium dense, brown, slightly silty, sandy GRAVEL; moist
* B8S2	06/15/07	Boring B8, Sample S2	5-6.8	0.3	Dense, brown, slightly silty, sandy GRAVEL; moist to wet

**KEY DESCRIPTION**

- \* Sample analyzed by the project laboratory (See Tables 3 and 4)
- ^ Field screening instrument was a Thermoinstruments 580B photoionization detector (PID)
- \*\* Sample classification applies to the portion of the specified sample interval from which the sample was collected
- Measurement not recorded or not applicable
- ppm parts per million

TABLE 1 - SAMPLE LOCATIONS AND DESCRIPTIONS

Sample Number	Date	Sample Location (See Figure 2)	Depth (feet)	Headspace (ppm) ^	Sample Classification** (See Appendix B)
<b>Boring B9</b>					
* B9S1	06/15/07	Boring B9, Sample S1	3-4.7	0.3	Medium dense, brown, slightly silty, sandy GRAVEL; moist
* B9S2	06/15/07	Boring B9, Sample S2	5-6.5	0.3	Medium dense, brown, slightly silty, sandy GRAVEL; moist to wet
<b>Boring B10</b>					
* B10S1	06/15/07	Boring B10, Sample S1	3-4.9	0.5	Dense, brown, slightly silty, sandy GRAVEL; moist
* B10S2	06/15/07	Boring B10, Sample S2	5-6.9	0.7	Dense, brown, slightly silty, sandy GRAVEL; moist to wet
* B10S4	06/15/07	Duplicate of B10S2	5-6.9	0.7	Dense, brown, slightly silty, sandy GRAVEL; moist to wet
B10S3	06/15/07	Boring B10, Sample S3	7-8.7	-	Dense, brown, sandy GRAVEL; wet
<b>Boring B11</b>					
* B11S1	06/15/07	Boring B11, Sample S1	3-4.9	0.5	Medium dense, brown, slightly silty SAND; moist
* B11S2	06/15/07	Boring B11, Sample S2	5-7	1.0	Medium dense, brown, slightly silty, gravelly SAND; moist to wet
B11S3	06/15/07	Boring B11, Sample S3	7-8.8	-	Medium dense, brown, slightly silty, sandy GRAVEL; wet
<b>Groundwater Samples</b>					
* B1TW	06/14/07	Temporary Well B1TW	6.15	-	Groundwater
* B2TW	06/14/07	Temporary Well B2TW	5.50	-	Groundwater
* B3TW	06/14/07	Temporary Well B3TW	6.50	-	Groundwater
* B4TW	06/14/07	Temporary Well B4TW	5.66	-	Groundwater
* B5TW	06/14/07	Temporary Well B5TW	8.00	-	Groundwater
* B6TW	06/14/07	Temporary Well B6TW	8.81	-	Groundwater
* B7TW	06/14/07	Temporary Well B7TW	5.29	-	Groundwater
* B8TW	06/15/07	Temporary Well B8TW	6.65	-	Groundwater
* B9TW	06/15/07	Temporary Well B9TW	5.60	-	Groundwater
* B10TW	06/15/07	Temporary Well B10TW	7.20	-	Groundwater
* B12TW	06/15/07	Duplicate of Sample B10TW	7.20	-	Groundwater
* B11TW	06/15/07	Temporary Well B11TW	6.72	-	Groundwater
<b>Quality Control Samples</b>					
* STB1	06/14/07	Soil Trip Blank	-	-	Ottawa sand with methanol added in the laboratory
* WTBI	06/14/07	Water Trip Blank	-	-	Organic-free water blank prepared in the laboratory

**KEY DESCRIPTION**

- \* Sample analyzed by the project laboratory (See Tables 3, 4, and 5)
- ^ Field screening instrument was a ThermoInstruments 580B photoionization detector (PID)
- \*\* Sample classification applies to the portion of the specified sample interval from which the sample was collected
- Measurement not recorded or not applicable
- ppm parts per million

TABLE 2 - WELL PURGING &amp; SAMPLING LOG

**WATER LEVEL MEASUREMENT DATA**

Well Number	B1TW	B2TW	B3TW	B4TW	B5TW	B6TW
Date Water Level Measured	6/14/2007	6/14/2007	6/14/2007	6/14/2007	6/14/2007	6/14/2007
Time Water Level Measured	9:53	10:00	11:05	13:14	13:50	14:55
Surveyed MP Elevation (ft)	NM	NM	NM	NM	NM	NM
Measured DTW (ft below ground surface)	6.15	5.50	6.50	5.56	8.00	8.81
Groundwater Elevation (ft)	NM	NM	NM	NM	NM	NM

**PURGING DATA**

Well Number	B1TW	B2TW	B3TW	B4TW	B5TW	B6TW
Date Sampled	6/14/2007	6/14/2007	6/14/2007	6/14/2007	6/14/2007	6/14/2007
Time Sampled	11:10	11:25	11:43	14:35	15:10	16:20
Measured DTW (ft below ground surface)	6.15	5.50	6.50	5.56	8.00	8.81
Total Depth of Well (ft below ground surface)	7.87	7.60	8.50	6.84	8.44	9.45
Water Column in Well (ft)	1.72	2.10	2.00	1.28	0.44	0.64
Gallons per Foot	0.08	0.08	0.08	0.08	0.08	0.08
Water Column Volume (gallons)	0.13	0.16	0.15	0.10	0.03	0.05
Total Volume Pumped/Bailed (gallons)	0.3	0.5	0.2	0.1	0.1	0.2
Purging/Sampling Method	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer
Diameter of Well Casing	1.25-inch	1.25-inch	1.25-inch	1.25-inch	1.25-inch	1.25-inch
Remarks			Purged Dry	Purged Dry	Purged Dry	

**WATER QUALITY DATA**

WELL NUMBER	B1TW	B2TW	B3TW	B4TW	B5TW	B6TW
Temperature (°C)	9.7	10.0	11.9	16.7	15.0	12.9
Specific Conductance (µS/cm)	439	449	566	749	539	412
Dissolved Oxygen (DO) (mg/L)	3.02	5.27	4.31	2.80	4.94	1.11
Total Dissolved Solids (ppm)	219	224	281	374	269	206
pH (Standard Units)	6.60	6.87	7.21	6.45	6.61	9.71

Note: Water quality parameters were measured with Hanna and YSI meters.

<b><u>KEY</u></b>	<b><u>DESCRIPTION</u></b>
°C	Degrees Celsius
ft	Feet
µS/cm	MicroSiemens per Centimeter
ppm	parts per million
mg/L	Milligrams per Liter
DTW	Depth to Water

**TABLE 2 - WELL PURGING & SAMPLING LOG****WATER LEVEL MEASUREMENT DATA**

Well Number	B7TW	B8TW	B9TW	B10TW	B11TW
Date Water Level Measured	6/14/2007	6/15/2007	6/15/2007	6/15/2007	6/15/2007
Time Water Level Measured	16:40	13:35	12:40	11:00	10:10
Surveyed MP Elevation (ft)	NM	NM	NM	NM	NM
Measured DTW (ft below ground surface)	5.29	6.65	5.60	7.20	6.72
Groundwater Elevation (ft)	NM	NM	NM	NM	NM

**PURGING DATA**

Well Number	B7TW	B8TW	B9TW	B10TW	B11TW
Date Sampled	6/14/2007	6/15/2007	6/15/2007	6/15/2007	6/15/2007
Time Sampled	17:15	14:10	13:55	11:35	11:10
Measured DTW (ft below ground surface)	5.29	6.65	5.60	7.20	6.72
Total Depth of Well (ft below ground surface)	8.99	9.52	9.42	9.40	9.00
Water Column in Well (ft)	3.70	2.87	3.82	2.20	2.28
Gallons per Foot	0.08	0.08	0.08	0.08	0.08
Water Column Volume (gallons)	0.28	0.22	0.29	0.17	0.18
Total Volume Pumped/Bailed (gallons)	0.5	0.5	1.0	0.3	0.3
Purging/Sampling Method	Bailer	Bailer	Bailer	Bailer	Bailer
Diameter of Well Casing	1.25-inch	1.25-inch	1.25-inch	1.25-inch	1.25-inch
Remarks					

**WATER QUALITY DATA**

WELL NUMBER	B7TW	B8TW	B9TW	B10TW	B11TW
Temperature (°C)	12.9	11.2	10.1	9.2	8.4
Specific Conductance (µS/cm)	359	438	441	452	602
Dissolved Oxygen (DO) (mg/L)	1.51	2.74	2.24	2.00	3.10
Total Dissolved Solids (ppm)	178	219	218	225	301
pH (Standard Units)	7.32	6.90	7.04	7.07	7.32

Note: Water quality parameters were measured with Hanna and YSI meters.

<b><u>KEY</u></b>	<b><u>DESCRIPTION</u></b>
°C	Degrees Celsius
ft	Feet
µS/cm	MicroSiemens per Centimeter
ppm	Parts per million
mg/L	Milligrams per Liter
DTW	Depth to Water

TABLE 3 - SUMMARY OF SOIL ANALYTICAL RESULTS

		Sample Source, ID Number <sup>^</sup> , and Collection Depth in Feet (See Table 1, Figure 2, and Appendix B)												
Parameter Tested	Method*	Cleanup Level**	B1S1 3-3.7	B1S2 5-6.8	B2S1 3-3.7	B2S2 5-6.9	B3S1 3-4.8	B3S2 5-6.9	B4S1 3-3.5	B4S2 4.5-5	B5S1 3-3.5	B5S2 4.5-5	B6S1 3-4.8	B6S2 5-7
PID Headspace Reading - ppm	580B PID	-	0.8	1.6	0.5	1.1	0.5	0.7	1.0	1.0	0.4	0.4	3.2	2.2
Percent Solids - percent	SM20 2540G	-	93.5	87.1	95.6	95.5	96.3	96.2	96.9	86.5	93.9	94.3	94.0	80.6
Gasoline Range Organics (GRO) - mg/kg	AK101	300	-	-	-	-	-	-	-	-	-	-	<3.19	-
Diesel Range Organics (DRO) - mg/kg	AK102	250	-	-	-	-	-	-	-	-	-	-	<b>47.6</b>	-
Volatile Organic Compounds (VOCs) - mg/kg														
Carbon Disulfide	EPA 8260B	17	<0.485	<0.420	<0.375	<0.340	<0.340	<0.399	<0.385	<0.383	<0.450	<0.472	<0.354	<b>0.00653J</b>
cis-1,2-Dichloroethene	EPA 8260B	0.2	<0.0485	<0.0420	<0.0375	<0.0340	<0.0340	<0.0399	<0.0385	<b>0.00689J</b>	<0.0450	<0.0472	<0.0354	<0.0544
1,2-Dichloropropane	EPA 8260B	0.017	<0.0485	<0.0420	<0.0375	<0.0340	<0.0340	<0.0399	<0.0385	<b>0.0119J</b>	<0.0450	<0.0472	<0.0354	<0.0544
p-Isopropyltoluene	EPA 8260B	-	<0.0971	<0.0840	<0.0751	<0.0680	<0.0680	<0.0797	<0.0771	<0.0766	<0.0900	<0.0943	<0.0709	<b>0.0120J</b>
Naphthalene	EPA 8260B	21	<0.0971	<0.0840	<0.0751	<0.0680	<0.0680	<0.0797	<0.0771	<0.0766	<0.0900	<0.0943	<0.0709	<b>0.0103J</b>
n-Propylbenzene	EPA 8260B	-	<0.0485	<0.0420	<0.0375	<0.0340	<0.0340	<0.0399	<0.0385	<0.0383	<0.0450	<0.0472	<0.0354	<b>0.0136J</b>
Toluene	EPA 8260B	5.4	<b>0.00485J</b>	<b>0.00462J</b>	<0.0375	<b>0.00340J</b>	<0.0340	<0.0399	<b>0.00308J</b>	<0.0383	<0.0450	<0.0472	<b>0.00532J</b>	<b>0.00283J</b>
Trichloroethene (TCE)	EPA 8260B	0.02	<b>0.163</b>	<b>0.364</b>	<0.0375	<b>0.153</b>	<b>0.0129J</b>	<b>0.0411</b>	<0.0385	<b>0.0280J</b>	<0.0450	<b>0.0104J</b>	<0.0354	<0.0544
1,2,4-Trimethylbenzene	EPA 8260B	95.2	<0.485	<0.0420	<0.0375	<0.0340	<0.0340	<0.0399	<0.0385	<0.0383	<b>0.00495J</b>	<0.0472	<0.0354	<b>0.00707J</b>
m,p-Xylene	EPA 8260B	78***	<0.0971	<b>0.00504J</b>	<0.0751	<0.0680	<0.0680	<0.0797	<0.0771	<0.0766	<0.0900	<0.0943	<0.0709	<0.109
Other VOC analytes	EPA 8260B	various	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

		Sample Source, ID Number <sup>^</sup> , and Collection Depth in Feet (See Table 1, Figure 2, and Appendix B)												
Parameter Tested	Method*	Cleanup Level**	B7S1 3-4.5	B7S2 5-5.5	B8S1 3-4.8	B8S2 5-6.8	B9S1 3-4.7	B9S2 5-6.5	B10S1 3-4.9	B10S2 5-6.9	B10S4~ 5-6.9	B11S1 3-4.9	B11S2 5-7	STB1 Trip Blank
PID Headspace Reading - ppm	580B PID	-	0.9	0.7	0.4	0.3	0.3	0.3	0.5	0.7	0.7	0.5	1.0	-
Percent Solids - percent	SM20 2540G	-	92.0	86.0	96.1	94.4	97.2	92.4	97.5	93.7	96.0	96.3	87.3	-
Gasoline Range Organics (GRO) - mg/kg	AK101	300	-	-	-	-	-	-	-	-	-	-	-	<3.33
Diesel Range Organics (DRO) - mg/kg	AK102	250	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs) - mg/kg														
Carbon Disulfide	EPA 8260B	17	<0.417	<0.438	<0.420	<0.374	<0.292	<0.485	<0.380	<0.272	<0.587	<0.464	<0.379	<1.000
cis-1,2-Dichloroethene	EPA 8260B	0.2	<0.0417	<0.0438	<0.0420	<0.0374	<0.0292	<0.0485	<0.0380	<0.0272	<0.0587	<0.0464	<0.0379	<0.100
1,2-Dichloropropane	EPA 8260B	0.017	<0.0417	<0.0438	<0.0420	<0.0374	<0.0292	<0.0485	<0.0380	<0.0272	<0.0587	<0.0464	<0.0379	<0.100
p-Isopropyltoluene	EPA 8260B	-	<0.0833	<0.0875	<0.0840	<0.0748	<0.0584	<0.0971	<0.0760	<0.0545	<0.117	<0.0928	<0.0758	<0.200
Naphthalene	EPA 8260B	21	<0.0833	<0.0875	<0.0840	<0.0748	<0.0584	<0.0971	<0.0760	<0.0545	<0.117	<0.0928	<0.0758	<0.200
n-Propylbenzene	EPA 8260B	-	<0.0417	<0.0438	<0.0420	<0.0374	<0.0292	<0.0485	<0.0380	<0.0272	<0.0587	<0.0464	<0.0379	<0.100
Toluene	EPA 8260B	5.4	<0.0417	<0.0438	<0.0420	<0.0374	<b>0.00438J</b>	<0.0485	<0.0380	<0.0272	<0.0587	<0.0464	<0.0379	<0.100
Trichloroethene (TCE)	EPA 8260B	0.02	<0.0417	<0.0438	<0.0420	<0.0374	<b>0.00905J</b>	<b>0.00825J</b>	<b>0.0281J</b>	<b>0.0455</b>	<b>0.0628</b>	<b>0.170</b>	<b>0.164</b>	<0.100
1,2,4-Trimethylbenzene	EPA 8260B	95.2	<0.0417	<0.0438	<0.0420	<0.0374	<0.0292	<0.0485	<0.0380	<0.0272	<0.0587	<0.0464	<0.0379	<0.100
m,p-Xylene	EPA 8260B	78***	<0.0833	<0.0875	<0.0840	<0.0748	<0.0584	<0.0971	<0.0760	<0.0545	<0.117	<0.0928	<0.0758	<0.200
Other VOC analytes	EPA 8260B	various	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**KEY**

**DESCRIPTION**

- \* See Appendix C for compounds tested, methods, and laboratory reporting limits
- \*\* Soil cleanup level is the most stringent standard listed in Table B1 or B2, 18 AAC 75, for the "under 40 inches (precipitation) zone"
- \*\*\* Cleanup level is for total xylenes. No stand-alone cleanup level for m,p-xylene
- <sup>^</sup> Sample ID No. preceded by "17125-" on the chain of custody form
- <3.19 Analyte not detected; method reporting limit of 3.19 mg/kg
- <0.0417 Method reporting limit is greater than the applicable cleanup level
- Not applicable or sample not tested for this analyte
- mg/kg Milligram per kilogram
- ppm Parts per million
- 0.163** Reported concentration exceeds the regulated cleanup level
- ~ Duplicate of Sample B10S2
- ND Analyte not detected above laboratory reporting limit
- J Estimated value. Concentration less than the method reporting limit (MRL)



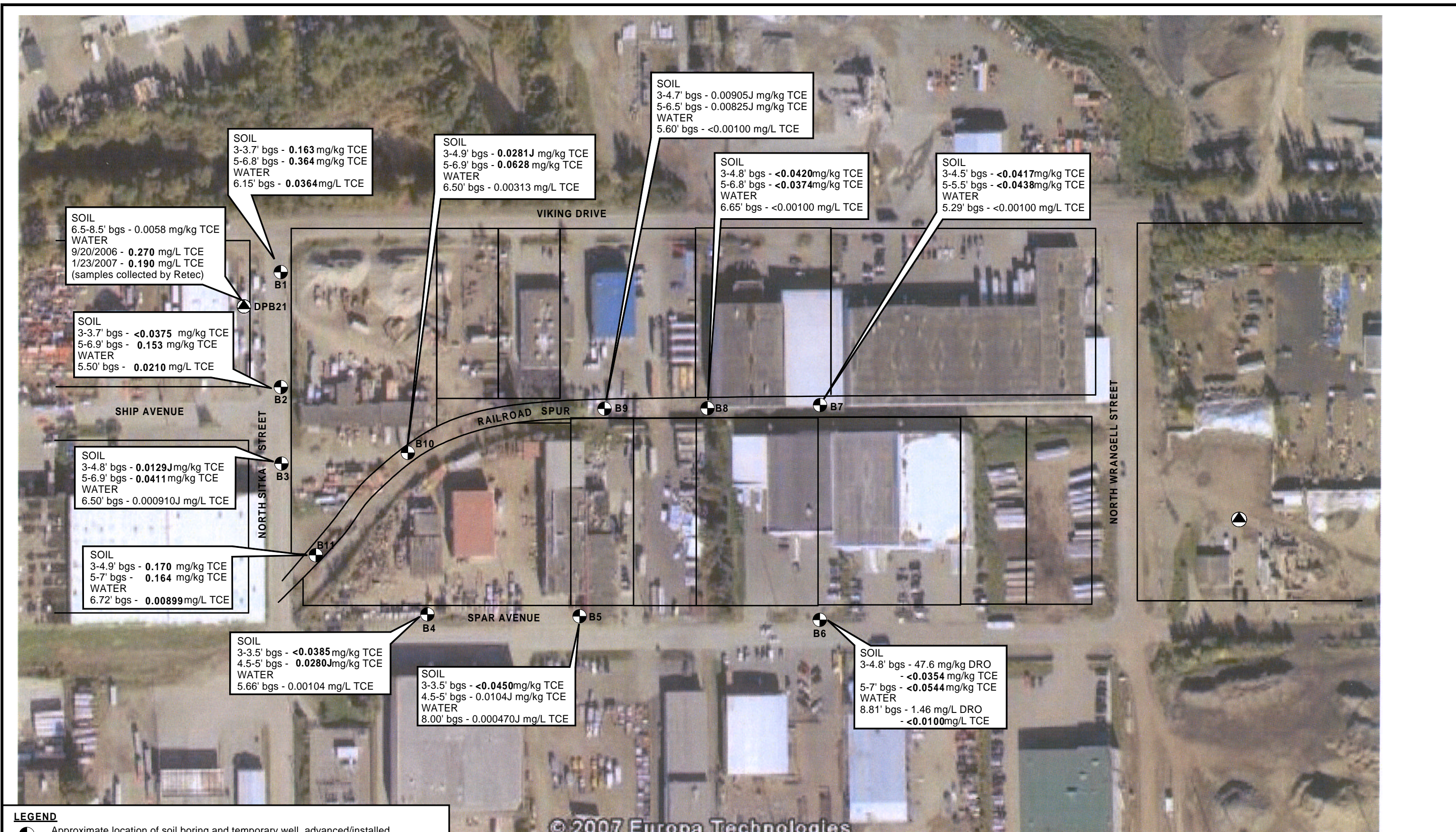
TABLE 4 - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Parameter Tested	Method*	Cleanup Level**	Sample ID Number^ and Water Depth in Feet (See Tables 1 and 2, Figure 2, and Appendix B)						
			B1TW	B2TW	B3TW	B4TW	B5TW	B6TW	B7TW
			6.15	5.50	6.50	5.66	8.00	8.81	5.29
Gasoline Range Organics (GRO) - mg/L	AK101	1.3	-	-	-	-	-	<0.0500	-
Diesel Range Organics (DRO) - mg/L	AK102	1.5	-	-	-	-	-	<b>1.46</b>	-
Volatile Organic Compounds (VOCs)									
Acetone - mg/L	EPA 8021B	3.65	<0.0250	<0.0250	<b>0.0116J</b>	<b>0.0134J</b>	<b>0.0182J</b>	<0.250	<0.0250
Benzene - mg/L	EPA 8021B	0.005	<b>0.000130J</b>	<0.00100	<b>0.000180J</b>	<b>0.000140J</b>	<b>0.000210J</b>	<0.0100	<b>0.000160J</b>
Dichlorodifluoromethane - mg/L	EPA 8021B	7.3	<b>0.000230J</b>	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	<b>0.00121J</b>
1,1-Dichloroethane - mg/L	EPA 8021B	3.65	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0100	<b>0.000160J</b>
1,2-Dichloroethane - mg/L	EPA 8021B	0.005	<0.00100	<b>0.00015J</b>	<b>0.000540J</b>	<b>0.00138</b>	<b>0.00128</b>	<0.0100	<0.00100
cis-1,2-Dichloroethene - mg/L	EPA 8021B	0.07	<b>0.000220J</b>	<b>0.000980J</b>	<b>0.00142</b>	<b>0.0170</b>	<b>0.00269</b>	<0.0100	<0.00100
trans-1,2-Dichloroethene - mg/L	EPA 8021B	0.1	<0.00100	<0.00100	<0.00100	<b>0.000200J</b>	<0.00100	<0.0100	<0.00100
1,2-Dichloropropane - mg/L	EPA 8021B	0.005	<0.00100	<b>0.000870J</b>	<b>0.00141</b>	<b>0.00298</b>	<b>0.000970J</b>	<0.0100	<0.00100
p-Isopropyltoluene - mg/L	EPA 8021B	-	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<b>0.00160J</b>	<0.00200
Methylene Chloride - mg/L	EPA 8021B	0.005	<0.00500	<0.00500	<0.00500	<b>0.000190J</b>	<0.00500	<0.0500	<0.00500
Toluene - mg/L	EPA 8021B	1	<0.00100	<0.00100	<0.00100	<0.00100	<b>0.000240J</b>	<b>0.00630J</b>	<b>0.000220J</b>
Trichloroethene (TCE) - mg/L	EPA 8021B	0.005	<b>0.0364</b>	<b>0.0210</b>	<b>0.000910J</b>	<b>0.00104</b>	<b>0.000470J</b>	<0.0100	<0.00100
Trichlorofluoromethane - mg/L	EPA 8021B	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0100	<0.00100

Parameter Tested	Method*	Cleanup Level**	Sample ID Number^ and Water Depth in Feet (See Tables 1 and 2, Figure 2, and Appendix B)						
			B8TW	B9TW	B10TW	B12TW~	B11TW	WTB1	
			6.65	5.60	7.20	7.20	6.72	Trip Blank	
Gasoline Range Organics (GRO) - mg/L	AK101	1.3	-	-	-	-	-	<0.0500	
Diesel Range Organics (DRO) - mg/L	AK102	1.5	-	-	-	-	-	-	
Volatile Organic Compounds (VOCs)									
Acetone - mg/L	EPA 8021B	3.65	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	
Benzene - mg/L	EPA 8021B	0.005	<b>0.000100J</b>	<0.00100	<b>0.000310J</b>	<b>0.000320J</b>	<b>0.000100J</b>	<0.00100	
Dichlorodifluoromethane - mg/L	EPA 8021B	7.3	<b>0.000390J</b>	<b>0.000740J</b>	<b>0.000190J</b>	<b>0.000160J</b>	<0.00500	<0.00500	
1,1-Dichloroethane - mg/L	EPA 8021B	3.65	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	
1,2-Dichloroethane - mg/L	EPA 8021B	0.005	<0.00100	<0.00100	<b>0.000560J</b>	<b>0.000560J</b>	<b>0.000260J</b>	<0.00100	
cis-1,2-Dichloroethene - mg/L	EPA 8021B	0.07	<0.00100	<0.00100	<b>0.00101</b>	<b>0.000920J</b>	<b>0.00930</b>	<0.00100	
trans-1,2-Dichloroethene - mg/L	EPA 8021B	0.1	<0.00100	<0.00100	<0.00100	<0.00100	<b>0.000190J</b>	<0.00100	
1,2-Dichloropropane - mg/L	EPA 8021B	0.005	<0.00100	<b>0.000160J</b>	<b>0.00124</b>	<b>0.00121</b>	<b>0.00283</b>	<0.00100	
p-Isopropyltoluene - mg/L	EPA 8021B	-	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	
Methylene Chloride - mg/L	EPA 8021B	0.005	<b>0.000260J</b>	<b>0.000250J</b>	<0.00500	<0.00500	<0.00500	<b>0.00117J</b>	
Toluene - mg/L	EPA 8021B	1	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	
Trichloroethene (TCE) - mg/L	EPA 8021B	0.005	<0.00100	<0.00100	<b>0.00306</b>	<b>0.00313</b>	<b>0.00899</b>	<0.00100	
Trichlorofluoromethane - mg/L	EPA 8021B	-	<b>0.000110J</b>	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	

- KEY DESCRIPTION**
- \* See Appendix C for compounds tested, methods, and laboratory reporting limits
  - \*\* Groundwater cleanup levels are listed in Table C, 18 AAC 75.345
  - ^ Sample ID No. preceded by "17125-" on the chain of custody form
  - <0.00100 Analyte not detected; method reporting limit of 0.00100 mg/L
  - <0.0100 Method reporting limit is greater than the applicable cleanup level
  - mg/L Milligrams per liter
  - ~ Duplicate of Sample B10TW
  - 0.0364** Reported concentration exceeds the regulated cleanup level
  - J Estimated value. Concentration less than the method reporting limit (MRL)





SOIL  
6.5-8.5' bgs - 0.0058 mg/kg TCE  
WATER  
9/20/2006 - **0.270** mg/L TCE  
1/23/2007 - **0.190** mg/L TCE  
(samples collected by Retec)

SOIL  
3-3.7' bgs - **0.163** mg/kg TCE  
5-6.8' bgs - **0.364** mg/kg TCE  
WATER  
6.15' bgs - **0.0364** mg/L TCE

SOIL  
3-3.7' bgs - **<0.0375** mg/kg TCE  
5-6.9' bgs - **0.153** mg/kg TCE  
WATER  
5.50' bgs - **0.0210** mg/L TCE

SOIL  
3-4.8' bgs - **0.0129J** mg/kg TCE  
5-6.9' bgs - **0.0411** mg/kg TCE  
WATER  
6.50' bgs - 0.000910J mg/L TCE

SOIL  
3-4.9' bgs - **0.170** mg/kg TCE  
5-7' bgs - **0.164** mg/kg TCE  
WATER  
6.72' bgs - **0.00899** mg/L TCE

SOIL  
3-3.5' bgs - **<0.0385** mg/kg TCE  
4.5-5' bgs - **0.0280J** mg/kg TCE  
WATER  
5.66' bgs - 0.00104 mg/L TCE

SOIL  
3-3.5' bgs - **<0.0450** mg/kg TCE  
4.5-5' bgs - 0.0104J mg/kg TCE  
WATER  
8.00' bgs - 0.000470J mg/L TCE

SOIL  
3-4.7' bgs - 0.00905J mg/kg TCE  
5-6.5' bgs - 0.00825J mg/kg TCE  
WATER  
5.60' bgs - **<0.00100** mg/L TCE

SOIL  
3-4.8' bgs - **<0.0420** mg/kg TCE  
5-6.8' bgs - **<0.0374** mg/kg TCE  
WATER  
6.65' bgs - **<0.00100** mg/L TCE

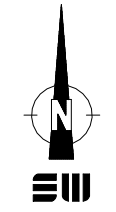
SOIL  
3-4.5' bgs - **<0.0417** mg/kg TCE  
5-5.5' bgs - **<0.0438** mg/kg TCE  
WATER  
5.29' bgs - **<0.00100** mg/L TCE

SOIL  
3-4.8' bgs - 47.6 mg/kg DRO  
- **<0.0354** mg/kg TCE  
5-7' bgs - **<0.0544** mg/kg TCE  
WATER  
8.81' bgs - 1.46 mg/L DRO  
- **<0.0100** mg/L TCE

**LEGEND**

- Approximate location of soil boring and temporary well, advanced/installed by Shannon & Wilson, Inc. June 14 and 15, 2007.
- Approximate location of existing well previously sampled (2006 and 2007) by Retec
- 0.163 mg/kg Analytical sample concentration (bolded values indicate concentration exceeds applicable cleanup level)
- <0.0385 mg/kg Indicates concentration not detected above laboratory reporting limit (bolded value indicates reporting limit exceeds applicable cleanup level).
- J Indicates reported concentration is an estimated value. Analyte concentration is based on Method Detection Limit and has limited reliability.

Approximate groundwater flow direction based on information provided by Retec



North Sitka Street and Spar Avenue Anchorage, Alaska	
<b>SITE PLAN</b>	
October 2007	32-1-17125-02
SHANNON & WILSON, INC. Geotechnical & Environmental Consultants	Fig. 2

Note: Background aerial photograph collected in May 2007 from Google Earth (Europa Technologies), approximate property boundaries based on information from the Municipality of Anchorage web site.



**APPENDIX A**  
**SITE PHOTOGRAPHS**



Photograph 1: Looking north on North Sitka Street, Boring B1 was advanced as close to Viking Drive as utility locates allowed. Photo taken on June 14, 2007.



Photograph 2: Damaged wellpoint from attempt at driving into Boring 2. Photo taken on June 14, 2007.

North Sitka Street and Spar Avenue Area  
Anchorage, Alaska

**PHOTOGRAPHS 1 AND 2**

October 2007

32-1-17125-002



**SHANNON & WILSON, INC.**  
Geotechnical & Environmental Consultants

A-1



Photograph 3: Looking east on Spar Avenue at Boring B6. Northern Dame Construction of Wasilla provided traffic control. Photo taken on June 14, 2007.



Photograph 4: Looking east at boring B7 located in alley way (railroad ROW). Photo taken on June 14, 2007.

North Sitka Street and Spar Avenue Area  
Anchorage, Alaska

**PHOTOGRAPHS 3 AND 4**

September 2007

32-1-17125-002



**SHANNON & WILSON, INC.**  
Geotechnical & Environmental Consultants

A-2





Photograph 5: Looking northeast. Advancing Boring B11 along railroad ROW. Photo taken on June 14, 2007.



Photograph 6: Looking north. Wellpoint in Boring B9 along railroad ROW. Photo taken on June 14, 2007.

North Sitka Street and Spar Avenue Area  
Anchorage, Alaska

**PHOTOGRAPHS 5 AND 6**

September 2007

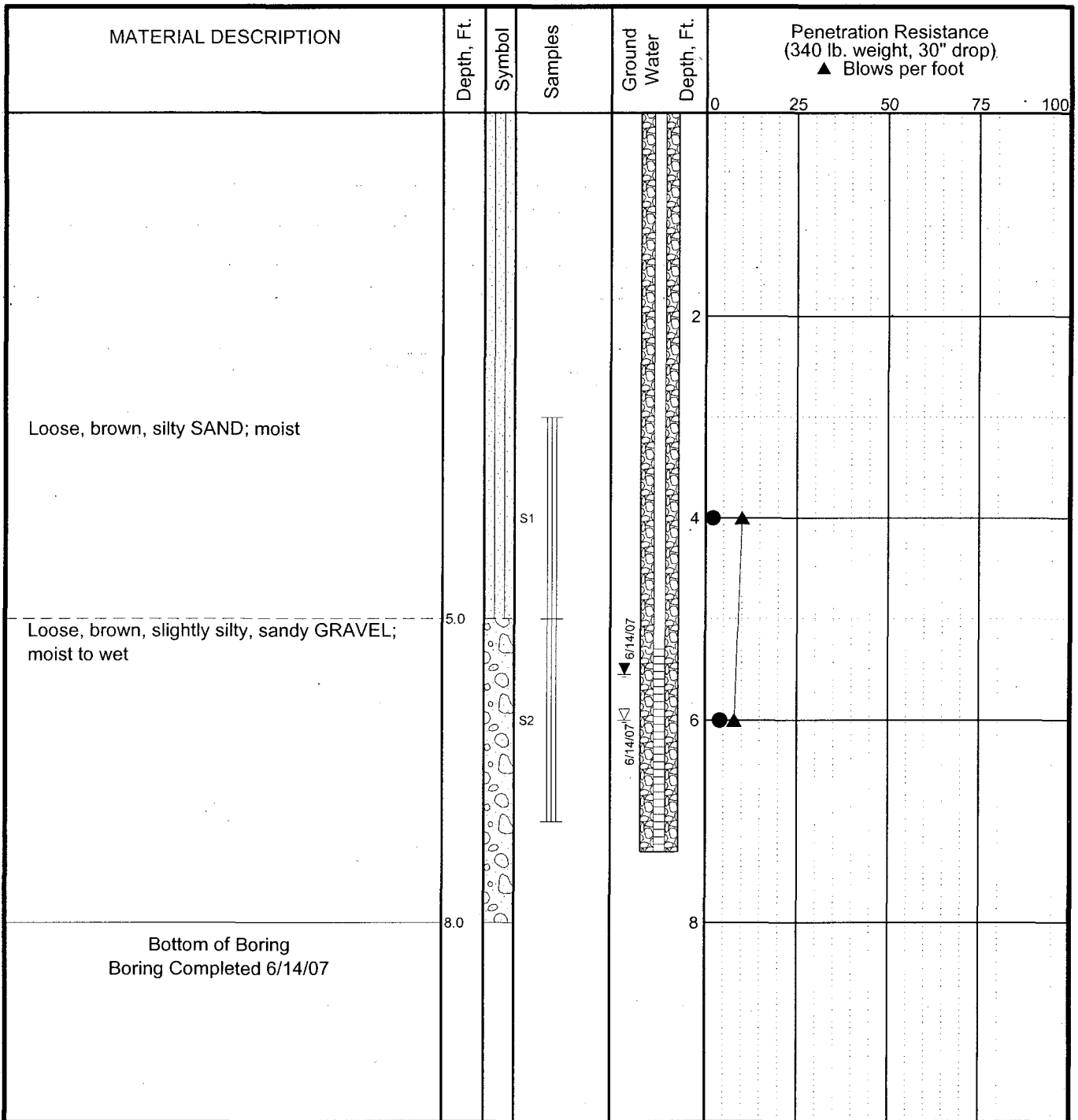
32-1-17125-002

**SHANNON & WILSON, INC.**  
Geotechnical & Environmental Consultants

**APPENDIX B**

**BORING LOGS**

ENVIRONMENTAL LOG - 17125 BORING LOGS.GPJ, S&W, GEO1.GDT 10/10/07



**LEGEND**

- \* Sample Not Recovered
- III 3" O.D. Split Spoon Sample
- Surface Seal
- Solid Casing and Annular Seal
- Well Casing and Filter Sand
- Cuttings Backfill
- Ground Water Level At Time Of Drilling
- Static Water Level

● PID Reading (ppm)

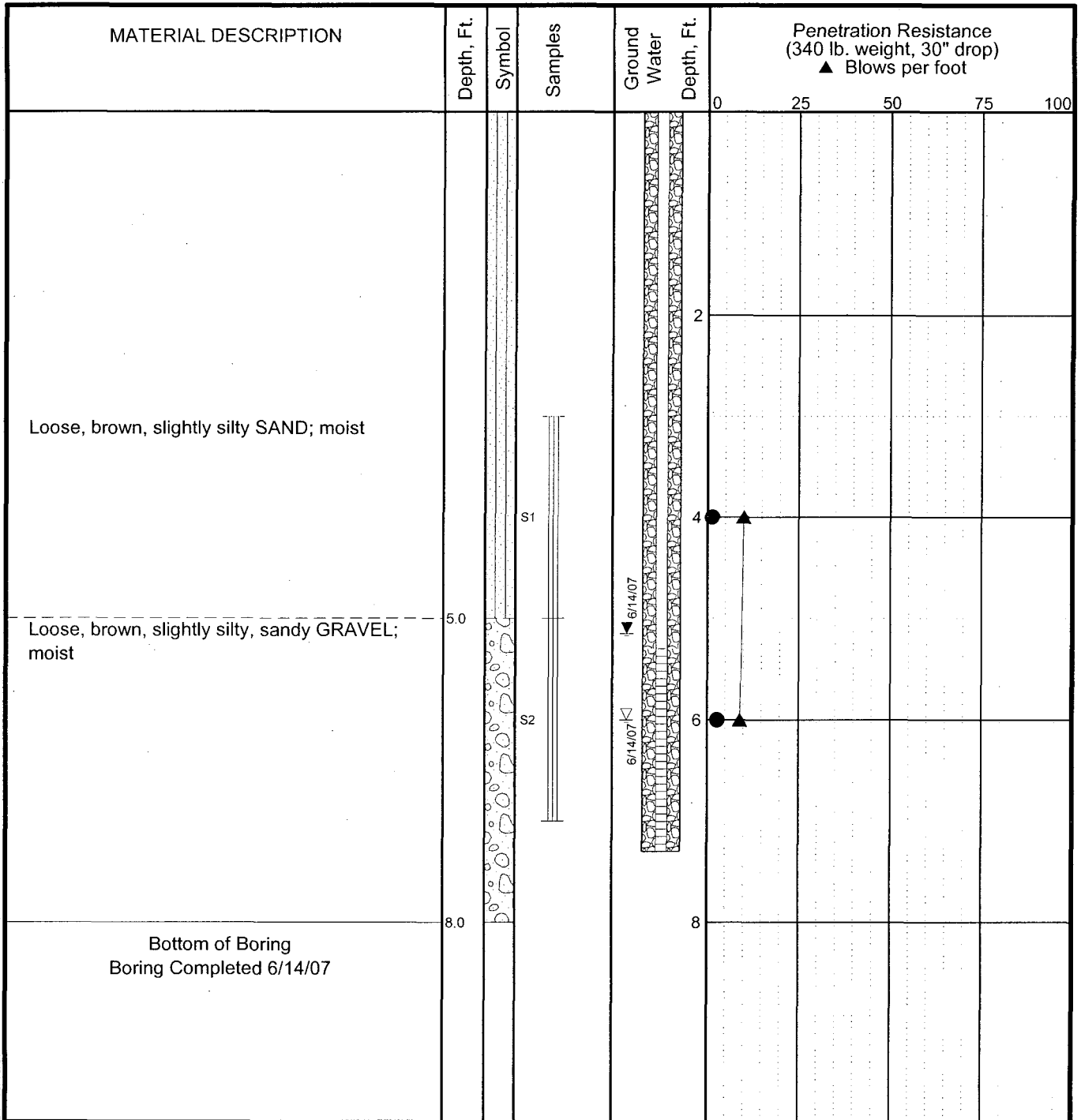
**NOTES**

1. The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
2. The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
3. Water level, if indicated above, is for the date specified and may vary.
4. USC letter symbol based on visual classification.

North Sitka Street and Spar Avenue Anchorage, Alaska	
<b>LOG OF BORING B1</b>	
October 2007	32-1-17125-002
SHANNON & WILSON, INC. Geotechnical and Environmental Consultants	<b>B1</b>



ENVIRONMENTAL LOG - 17125 BORING LOGS.GPJ S&W GEO1.GDT 10/10/07



**LEGEND**

- \* Sample Not Recovered
- ▤ 3" O.D. Split Spoon Sample
- ▨ Surface Seal
- ▩ Solid Casing and Annular Seal
- ▧ Well Casing and Filter Sand
- ▦ Cuttings Backfill
- ▽ Ground Water Level At Time Of Drilling
- ▼ Static Water Level

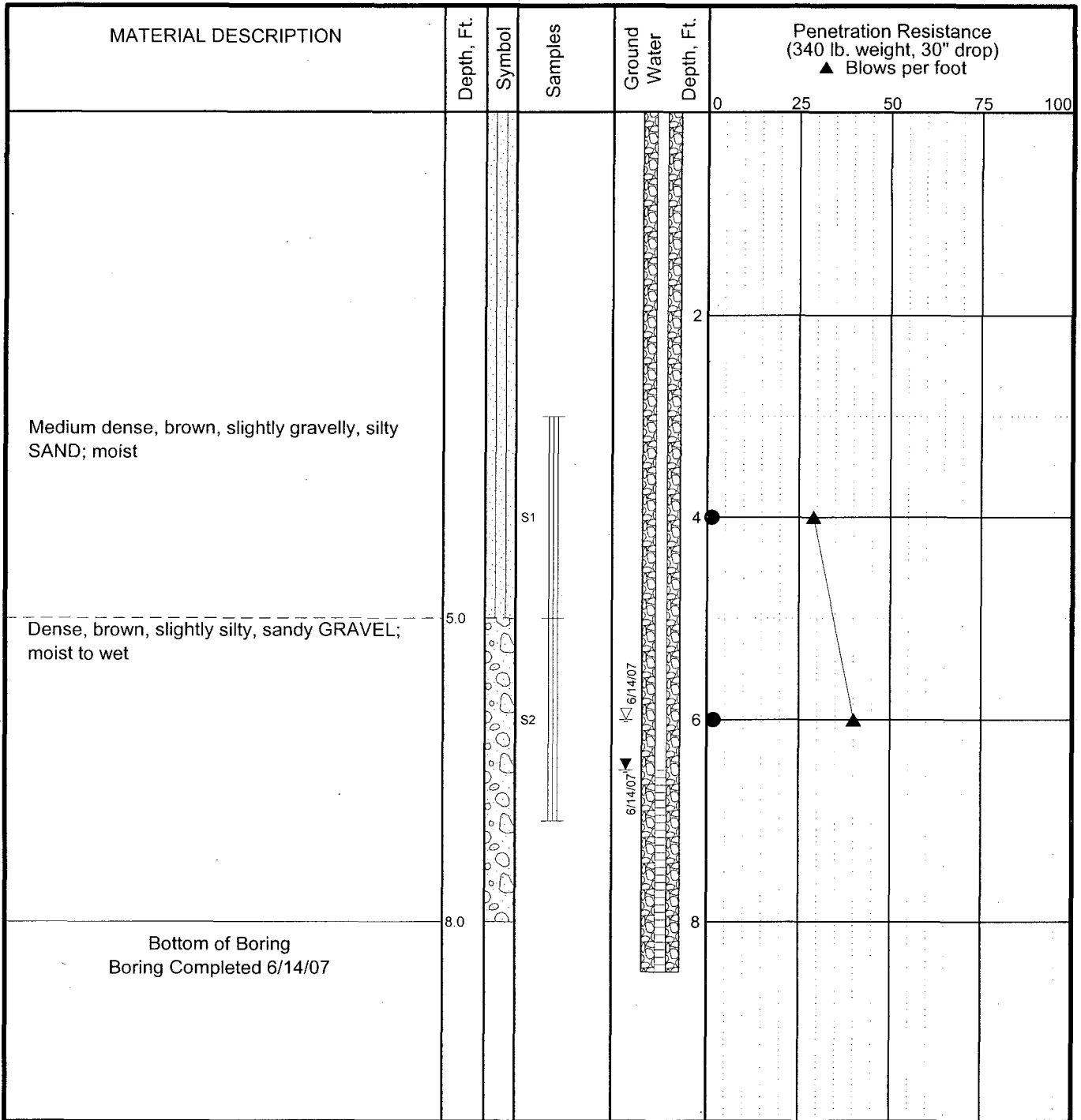
● PID Reading (ppm)

**NOTES**

1. The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
2. The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
3. Water level, if indicated above, is for the date specified and may vary.
4. USC letter symbol based on visual classification.

North Sitka Street and Spar Avenue Anchorage, Alaska	
<b>LOG OF BORING B2</b>	
October 2007	32-1-17125-002
<b>SHANNON &amp; WILSON, INC.</b> Geotechnical and Environmental Consultants	<b>B2</b>

ENVIRONMENTAL LOG - 17125 BORING LOGS.GPJ S&W GEO1.GDT 10/10/07



**LEGEND**

- \* Sample Not Recovered
- III 3" O.D. Split Spoon Sample
- Surface Seal
- Solid Casing and Annular Seal
- Well Casing and Filter Sand
- Cuttings Backfill
- Ground Water Level At Time Of Drilling
- Static Water Level

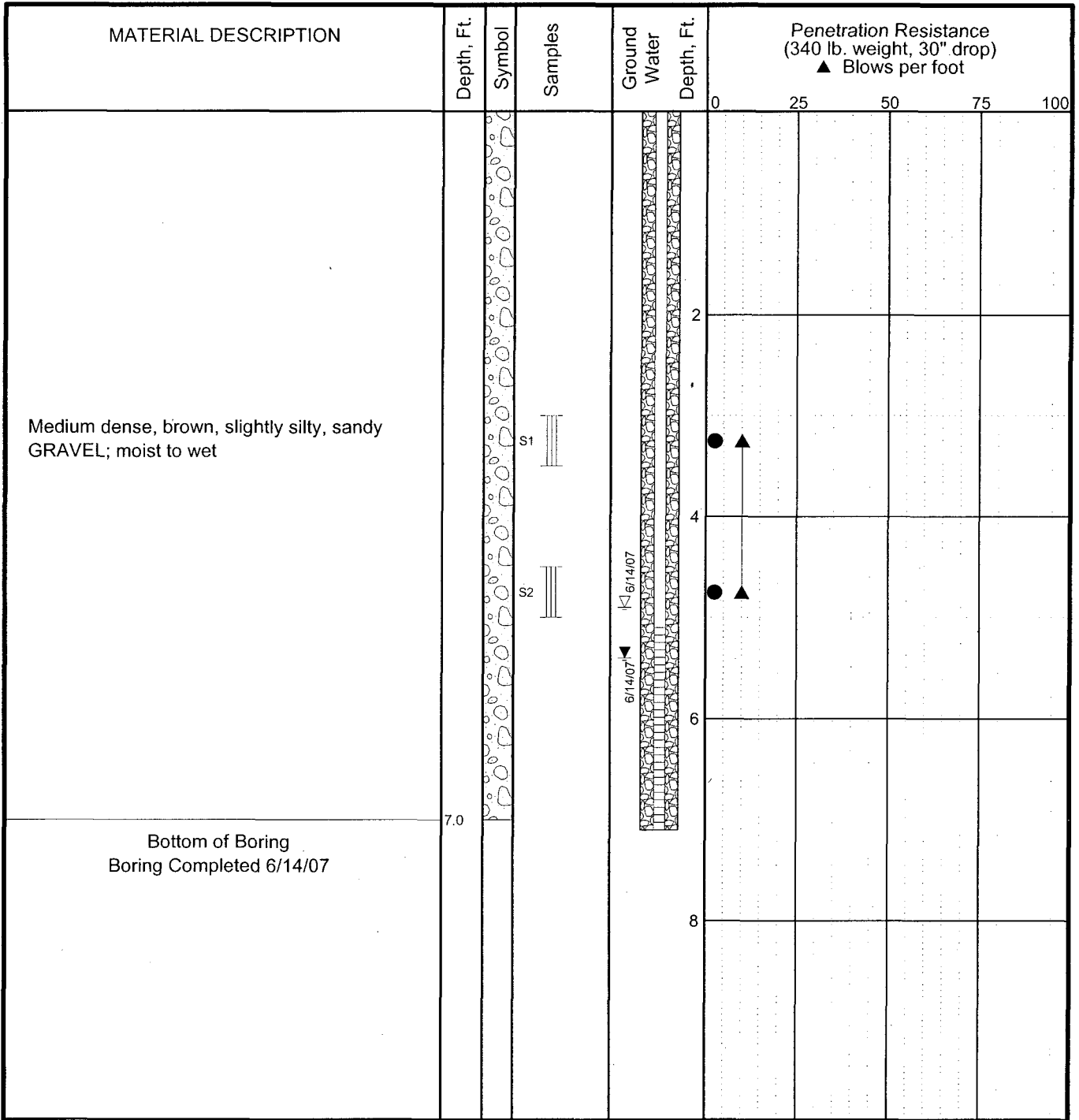
● PID Reading (ppm)

**NOTES**

1. The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
2. The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
3. Water level, if indicated above, is for the date specified and may vary.
4. USC letter symbol based on visual classification.

North Sitka Street and Spar Avenue Anchorage, Alaska	
<b>LOG OF BORING B3</b>	
October 2007	32-1-17125-002
SHANNON & WILSON, INC. Geotechnical and Environmental Consultants	<b>B3</b>

ENVIRONMENTAL LOG - 17125 BORING LOGS.GPJ S&W GEO1.GDT 10/10/07



**LEGEND**

- \* Sample Not Recovered
- 3" O.D. Split Spoon Sample
- Surface Seal
- Solid Casing and Annular Seal
- Well Casing and Filter Sand
- Cuttings Backfill
- Ground Water Level At Time Of Drilling
- Static Water Level

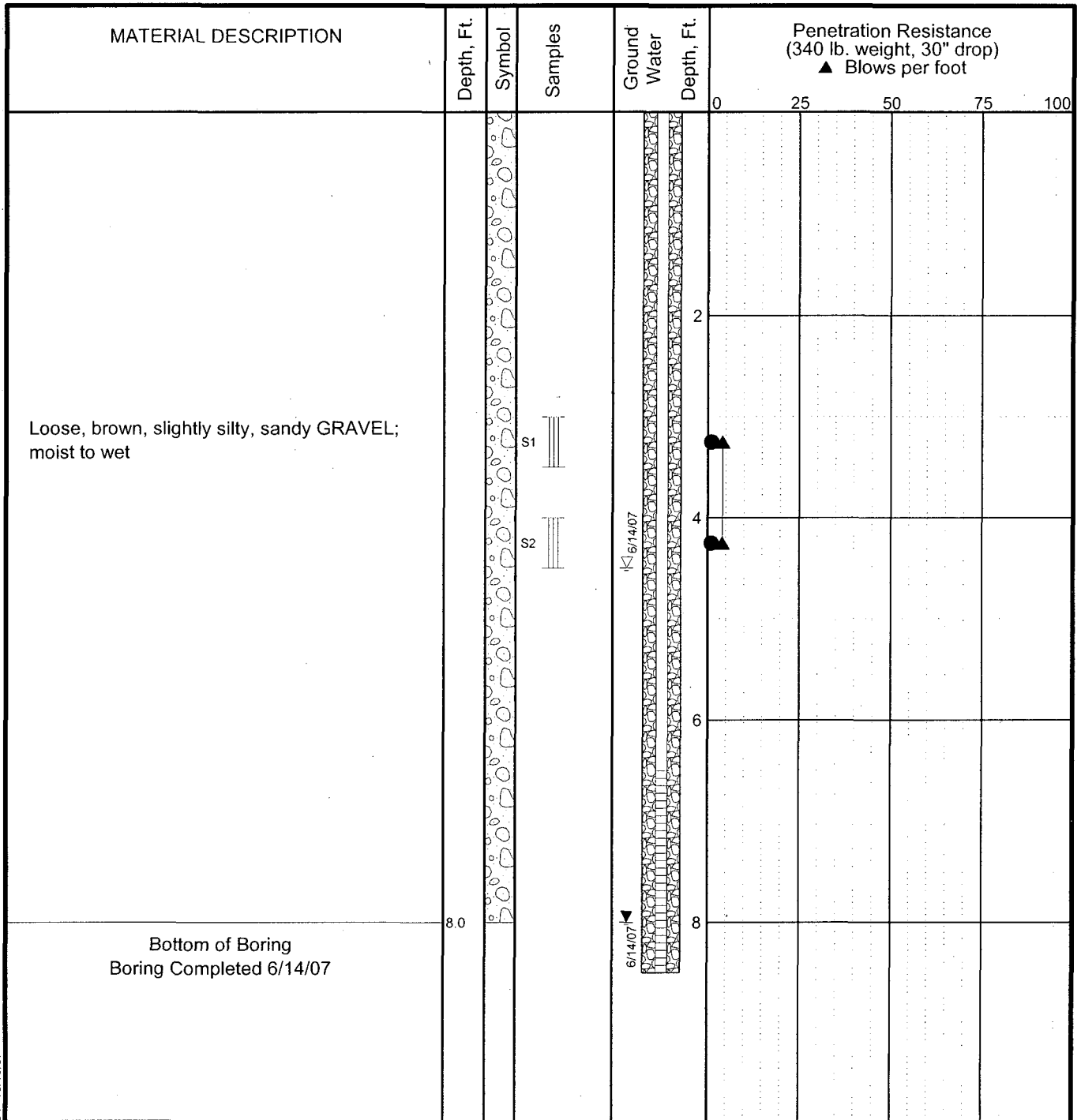
● PID Reading (ppm)

**NOTES**

1. The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
2. The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
3. Water level, if indicated above, is for the date specified and may vary.
4. USC letter symbol based on visual classification.

North Sitka Street and Spar Avenue Anchorage, Alaska	
<b>LOG OF BORING B4</b>	
October 2007	32-1-17125-002
SHANNON & WILSON, INC. Geotechnical and Environmental Consultants	<b>B4</b>

ENVIRONMENTAL LOG - 17125 BORING LOGS.GPJ S&W GEO1.GDT 10/10/07



**LEGEND**

- \* Sample Not Recovered
- 3" O.D. Split Spoon Sample
- Surface Seal
- Solid Casing and Annular Seal
- Well Casing and Filter Sand
- Cuttings Backfill
- Ground Water Level At Time Of Drilling
- Static Water Level

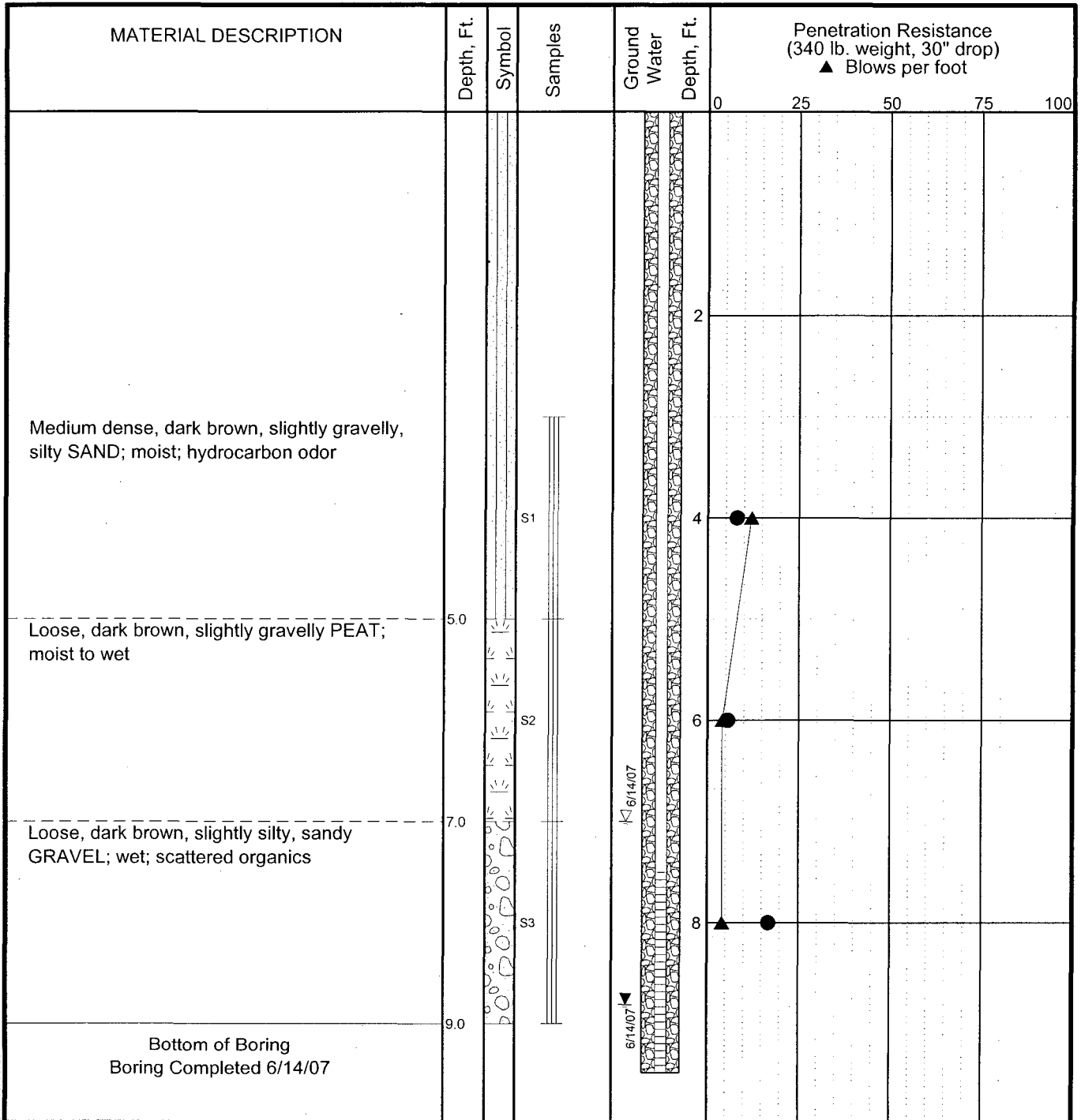
● PID Reading (ppm)

**NOTES**

1. The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
2. The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
3. Water level, if indicated above, is for the date specified and may vary.
4. USC letter symbol based on visual classification.

North Sitka Street and Spar Avenue Anchorage, Alaska	
<b>LOG OF BORING B5</b>	
October 2007	32-1-17125-002
SHANNON & WILSON, INC. Geotechnical and Environmental Consultants	<b>B5</b>

ENVIRONMENTAL LOG - 17125 BORING LOGS.GPJ S&W GEO1.GDT 10/10/07



**LEGEND**

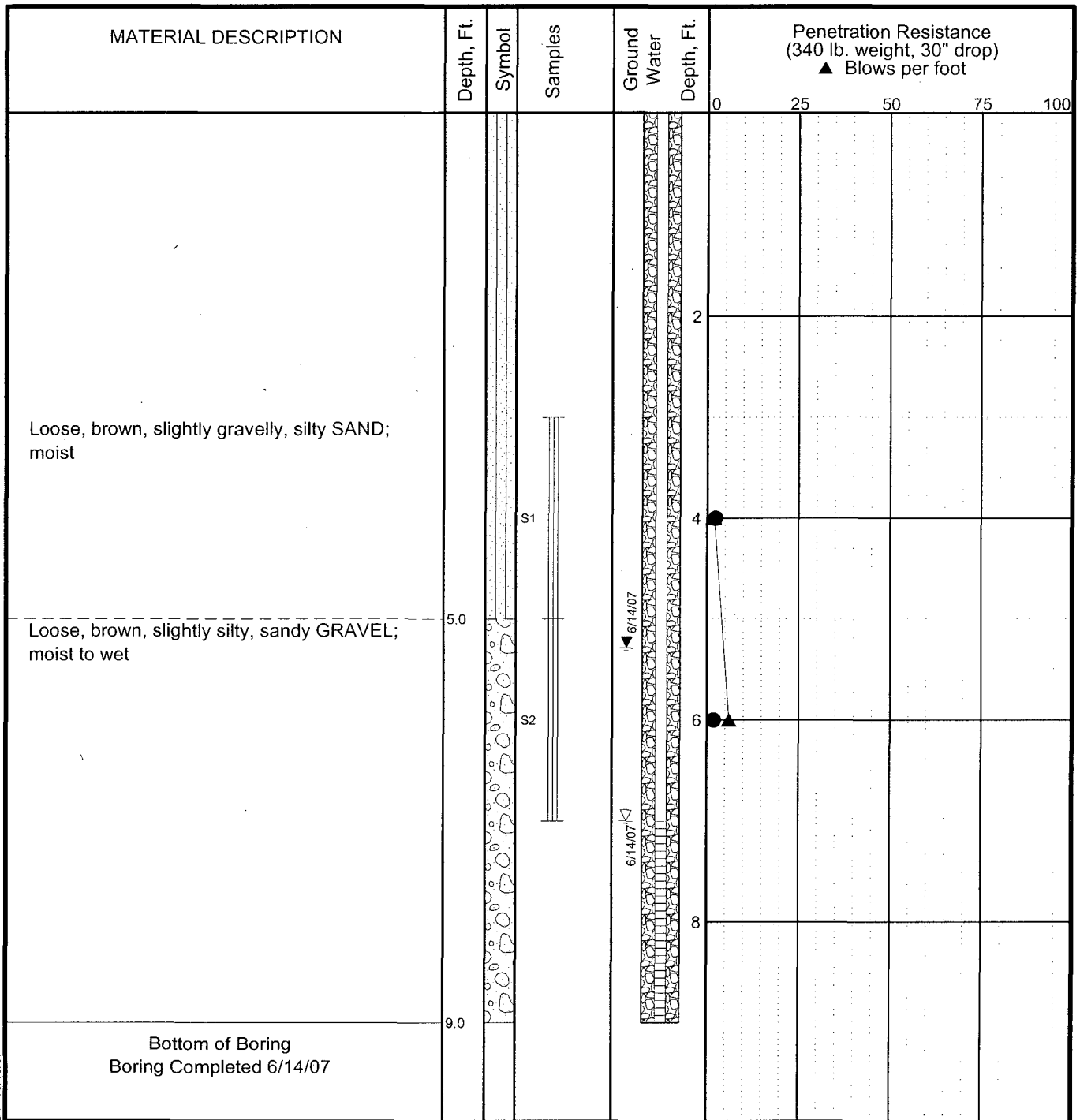
- \* Sample Not Recovered
- III 3" O.D. Split Spoon Sample
- [Symbol] Surface Seal
- [Symbol] Solid Casing and Annular Seal
- [Symbol] Well Casing and Filter Sand
- [Symbol] Cuttings Backfill
- ▽ Ground Water Level At Time Of Drilling
- ▼ Static Water Level

**NOTES**







- The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
- The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
- Water level, if indicated above, is for the date specified and may vary.
- USC letter symbol based on visual classification.

North Sitka Street and Spar Avenue Anchorage, Alaska	
<b>LOG OF BORING B6</b>	
October 2007	32-1-17125-002
SHANNON & WILSON, INC. Geotechnical and Environmental Consultants	<b>B6</b>

ENVIRONMENTAL LOG - 17125 BORING LOGS.GPJ, S&W, GEO1.GDT 10/10/07



**LEGEND**

- \* Sample Not Recovered
- III 3" O.D. Split Spoon Sample
-  Surface Seal
-  Solid Casing and Annular Seal
-  Well Casing and Filter Sand
-  Cuttings Backfill
-  Ground Water Level At Time Of Drilling
-  Static Water Level

● PID Reading (ppm)

**NOTES**

1. The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
2. The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
3. Water level, if indicated above, is for the date specified and may vary.
4. USC letter symbol based on visual classification.

North Sitka Street and Spar Avenue  
Anchorage, Alaska

**LOG OF BORING B7**

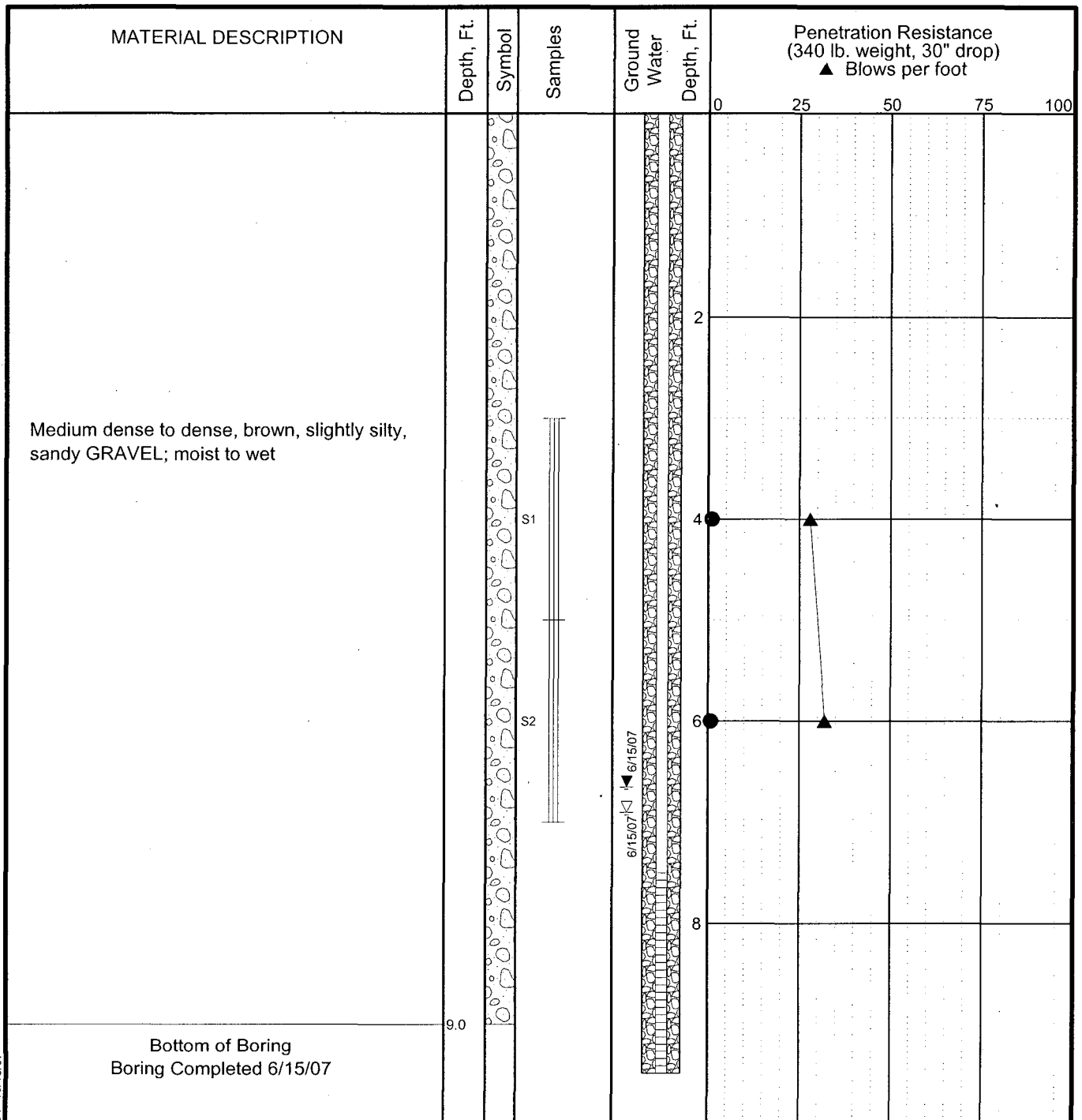
October 2007

32-1-17125-002

 **SHANNON & WILSON, INC.**  
Geotechnical and Environmental Consultants

**B7**

ENVIRONMENTAL LOG - 17125 BORING LOGS.GPJ, S&W, GEO1.GDT 10/10/07



**LEGEND**

- |                                 |          |  |
|---------------------------------|----------|--|
| * Sample Not Recovered          | [Symbol] | Surface Seal                           |
| III. 3" O.D. Split Spoon Sample | [Symbol] | Solid Casing and Annular Seal          |
|                                 | [Symbol] | Well Casing and Filter Sand            |
|                                 | [Symbol] | Cuttings Backfill                      |
|                                 | ▽        | Ground Water Level At Time Of Drilling |
|                                 | ▼        | Static Water Level                     |

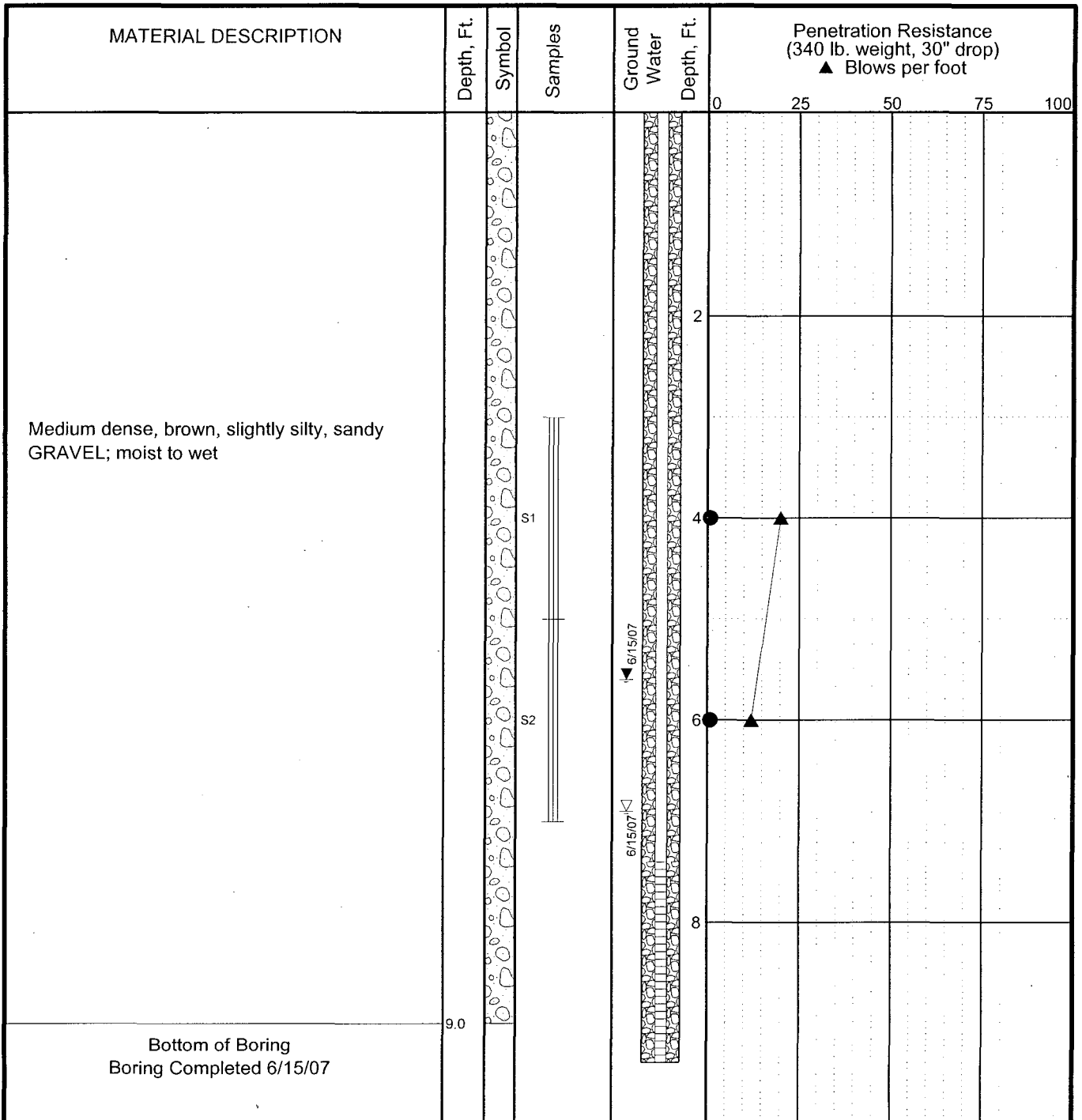
● PID Reading (ppm)

**NOTES**

- The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
- The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
- Water level, if indicated above, is for the date specified and may vary.
- USC letter symbol based on visual classification.







North Sitka Street and Spar Avenue Anchorage, Alaska	
<b>LOG OF BORING B8</b>	
October 2007	32-1-17125-002
SHANNON & WILSON, INC. Geotechnical and Environmental Consultants	<b>B8</b>

ENVIRONMENTAL LOG - 17125 BORING LOGS.GPJ S&W.GEOT.GDT 10/10/07




Bottom of Boring  
Boring Completed 6/15/07

**LEGEND**

- \* Sample Not Recovered
- III 3" O.D. Split Spoon Sample
-  Surface Seal
-  Solid Casing and Annular Seal
-  Well Casing and Filter Sand
-  Cuttings Backfill
-  Ground Water Level At Time Of Drilling
-  Static Water Level

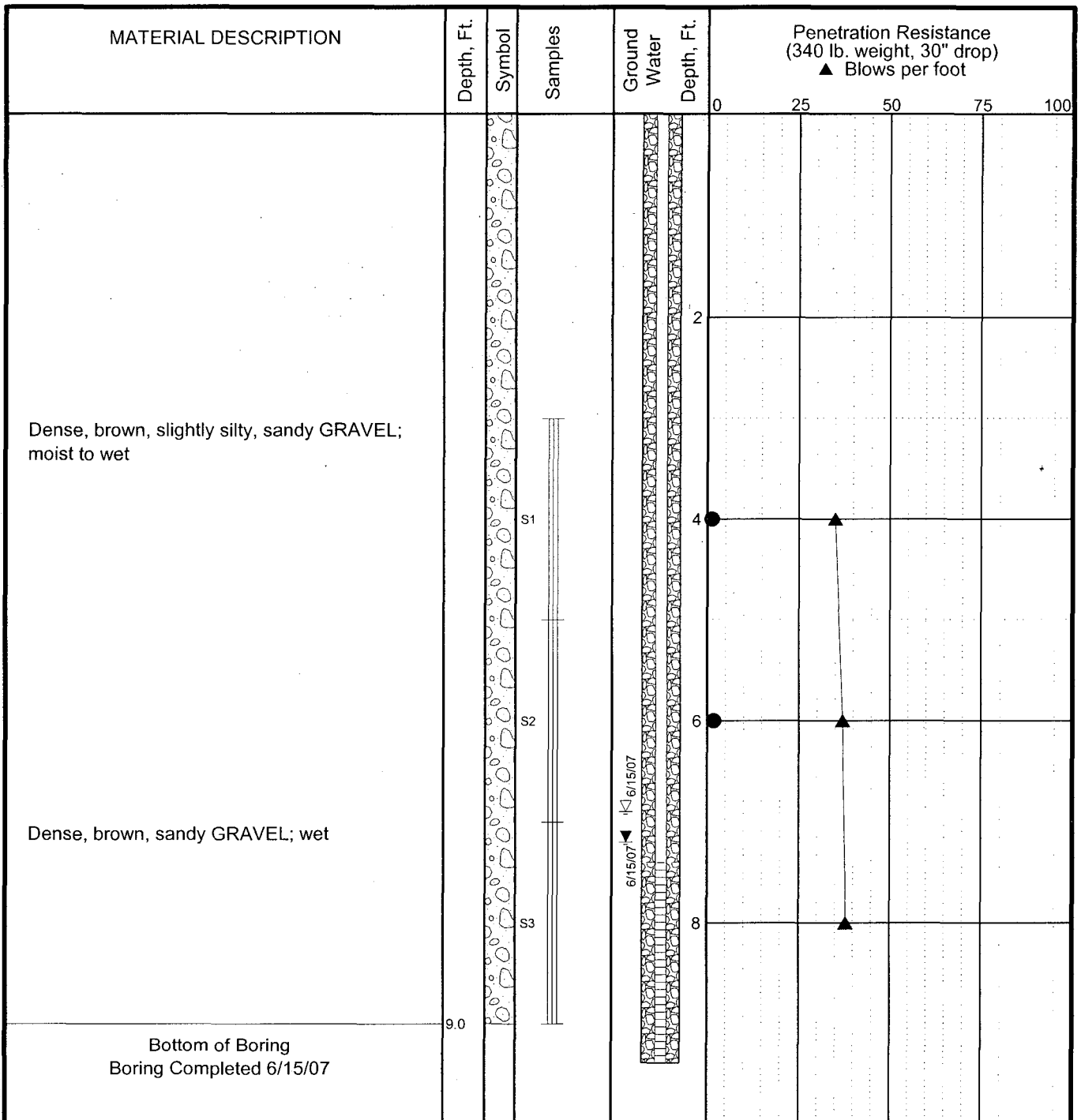
**NOTES**

1. The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
2. The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
3. Water level, if indicated above, is for the date specified and may vary.
4. USC letter symbol based on visual classification.

North Sitka Street and Spar Avenue Anchorage, Alaska	
<b>LOG OF BORING B9</b>	
October 2007	32-1-17125-002
 <b>SHANNON &amp; WILSON, INC.</b> Geotechnical and Environmental Consultants	<b>B9</b>



ENVIRONMENTAL LOG - 17125 BORING LOGS.GPJ, S&W, GEOT.GDT 10/10/07



**LEGEND**

- |                        |  |  |
|------------------------|--|--|
| * Sample Not Recovered |  | Surface Seal                           |
|                        |  | Solid Casing and Annular Seal          |
|                        |  | Well Casing and Filter Sand            |
|                        |  | Cuttings Backfill                      |
|                        |  | Ground Water Level At Time Of Drilling |
|                        |  | Static Water Level                     |

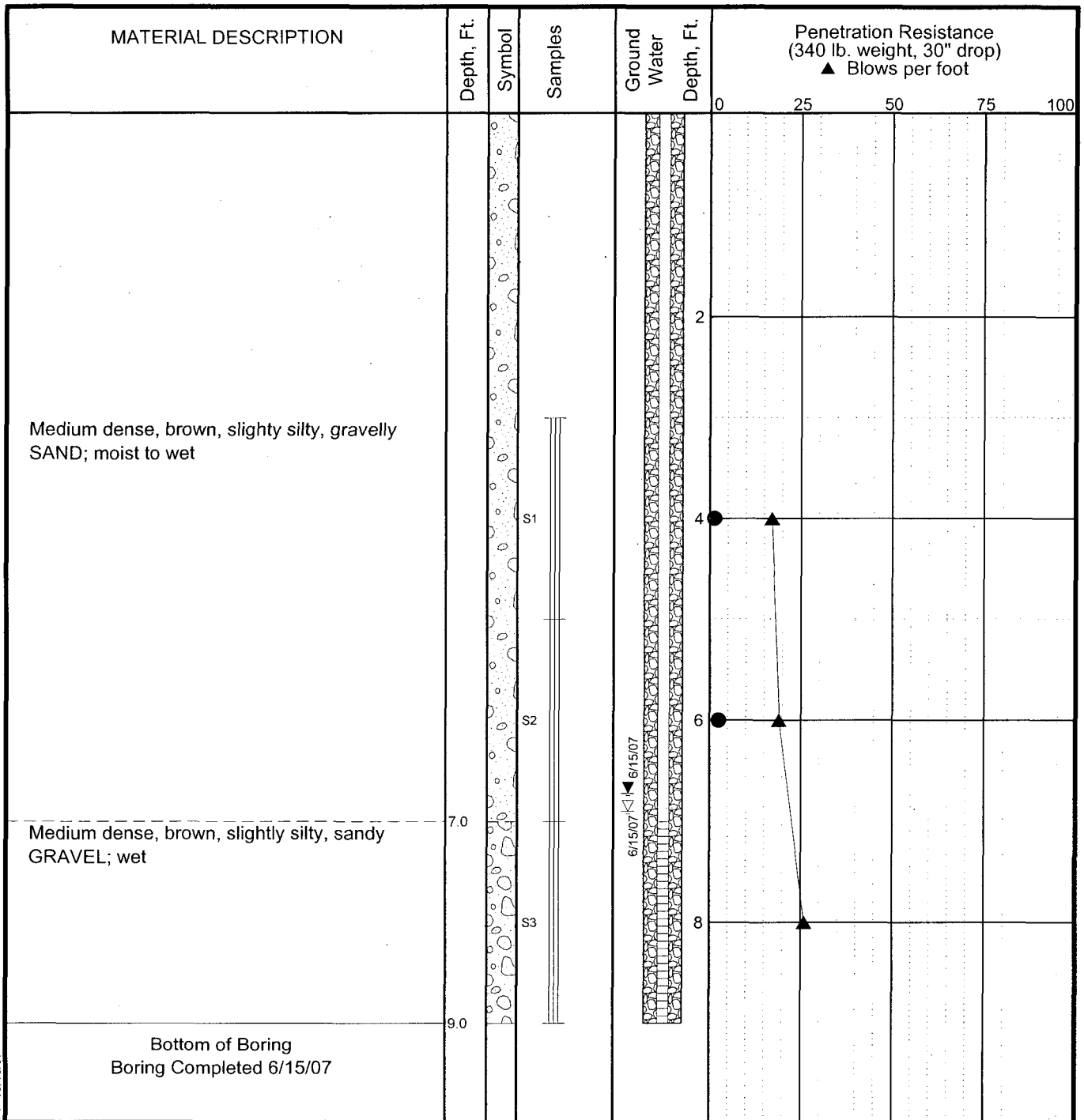
● PID Reading (ppm)

**NOTES**

- The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
- The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
- Water level, if indicated above, is for the date specified and may vary.
- USC letter symbol based on visual classification.

North Sitka Street and Spar Avenue Anchorage, Alaska	
<b>LOG OF BORING B10</b>	
October 2007	32-1-17125-002
SHANNON & WILSON, INC. Geotechnical and Environmental Consultants	<b>B10</b>

ENVIRONMENTAL LOG - 17125 BORING LOGS.GPJ S&W GEO1.GDT 10/10/07



**LEGEND**

- \* Sample Not Recovered
- III 3" O.D. Split Spoon Sample
- Surface Seal
- Solid Casing and Annular Seal
- Well Casing and Filter Sand
- Cuttings Backfill
- Ground Water Level At Time Of Drilling
- Static Water Level

● PID Reading (ppm)

**NOTES**

1. The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
2. The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
3. Water level, if indicated above, is for the date specified and may vary.
4. USC letter symbol based on visual classification.

North Sitka Street and Spar Avenue Anchorage, Alaska	
<b>LOG OF BORING B11</b>	
October 2007	32-1-17125-002
SHANNON & WILSON, INC. Geotechnical and Environmental Consultants	<b>B11</b>

**APPENDIX C**

**RESULTS OF ANALYTICAL TESTING BY  
TESTAMERICA INC.  
OF ANCHORAGE, ALASKA**

**AND**

**ADEC LABORATORY DATA REVIEW CHECKLIST**

July 12, 2007

Jessica Busey  
Shannon & Wilson, INC.  
5430 Fairbanks Street, Suite 3  
Anchorage, AK/USA 99518

RE: N. Stika & Spar


Enclosed are the results of analyses for samples received by the laboratory on 06/15/07 16:55.  
The following list is a summary of the Work Orders contained in this report, generated on 07/12/07  
09:04.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
AQF0081	N. Stika & Spar	32-1-1715

TestAmerica - Anchorage, AK

*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.*

  
Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name:	<b>N. Stika &amp; Spar</b>	Report Created: 07/12/07 09:04
	Project Number:	32-1-1715	
	Project Manager:	Jessica Busey	

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
17125-B1S1	AQF0081-01	Soil	06/14/07 08:40	06/15/07 16:55
17125-B1S2	AQF0081-02	Soil	06/14/07 08:45	06/15/07 16:55
17125-B2S1	AQF0081-03	Soil	06/14/07 09:10	06/15/07 16:55
17125-B2S2	AQF0081-04	Soil	06/14/07 09:15	06/15/07 16:55
17125-B3S1	AQF0081-05	Soil	06/14/07 09:45	06/15/07 16:55
17125-B3S2	AQF0081-06	Soil	06/14/07 09:50	06/15/07 16:55
17125-B4S1	AQF0081-07	Soil	06/14/07 12:50	06/15/07 16:55
17125-B4S2	AQF0081-08	Soil	06/14/07 12:55	06/15/07 16:55
17125-B5S1	AQF0081-09	Soil	06/14/07 13:20	06/15/07 16:55
17125-B5S2	AQF0081-10	Soil	06/14/07 13:25	06/15/07 16:55
17125-B6S1	AQF0081-11	Soil	06/14/07 14:00	06/15/07 16:55
17125-B6S2	AQF0081-12	Soil	06/14/07 14:10	06/15/07 16:55
17125-B7S1	AQF0081-13	Soil	06/14/07 15:10	06/15/07 16:55
17125-B7S2	AQF0081-14	Soil	06/14/07 15:20	06/15/07 16:55
17125-B8S1	AQF0081-15	Soil	06/15/07 12:45	06/15/07 16:55
17125-B8S2	AQF0081-16	Soil	06/15/07 12:50	06/15/07 16:55
17125-B9S1	AQF0081-17	Soil	06/15/07 12:15	06/15/07 16:55
17125-B9S2	AQF0081-18	Soil	06/15/07 12:20	06/15/07 16:55
17125-B10S1	AQF0081-19	Soil	06/15/07 10:15	06/15/07 16:55
17125-B10S2	AQF0081-20	Soil	06/15/07 10:20	06/15/07 16:55
17125-B10S4	AQF0081-21	Soil	06/15/07 10:25	06/15/07 16:55
17125-B11S1	AQF0081-22	Soil	06/15/07 09:15	06/15/07 16:55
17125-B11S2	AQF0081-23	Soil	06/15/07 09:20	06/15/07 16:55
STB1	AQF0081-24	Soil	06/14/07 08:40	06/15/07 16:55
17125-B1TW	AQF0081-25	Water	06/14/07 11:10	06/15/07 16:55
17125-B2TW	AQF0081-26	Water	06/14/07 11:25	06/15/07 16:55
17125-B3TW	AQF0081-27	Water	06/14/07 11:43	06/15/07 16:55
17125-B4TW	AQF0081-28	Water	06/14/07 14:35	06/15/07 16:55
17125-B5TW	AQF0081-29	Water	06/14/07 15:10	06/15/07 16:55
17125-B6TW	AQF0081-30	Water	06/14/07 16:20	06/15/07 16:55
17125-B7TW	AQF0081-31	Water	06/14/07 17:15	06/15/07 16:55
17125-B8TW	AQF0081-32	Water	06/15/07 14:10	06/15/07 16:55
17125-B9TW	AQF0081-33	Water	06/15/07 13:55	06/15/07 16:55
17125-B10TW	AQF0081-34	Water	06/15/07 11:35	06/15/07 16:55
17125-B11TW	AQF0081-35	Water	06/15/07 11:10	06/15/07 16:55

TestAmerica - Anchorage, AK

*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.*

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
--	---	-----------------------------------

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
17125-B12TW	AQF0081-36	Water	06/15/07 11:40	06/15/07 16:55
WTB1	AQF0081-37	Water	06/14/07 11:10	06/15/07 16:55

TestAmerica - Anchorage, AK

Rachel J James For Troy J. Engström, Manager

*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.*



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
--	---	-----------------------------------

**Gasoline Range Organics (C6-C10) per AK101**  
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-11 (17125-B6S1)</b>		<b>Soil</b>						<b>Sampled: 06/14/07 14:00</b>		
Gasoline Range Organics	AK101 GRO	ND	---	3.19	mg/kg dry	3x	7060116	06/25/07 10:44	06/26/07 00:41	
Surrogate(s): a,a,a-TFT (FID)			84.3%		50 - 150 %	"				"
<b>AQF0081-24 (STB1)</b>		<b>Soil</b>						<b>Sampled: 06/14/07 08:40</b>		
Gasoline Range Organics	AK101 GRO	ND	---	3.33	mg/kg wet	1x	7060116	06/25/07 10:44	06/25/07 14:54	
Surrogate(s): a,a,a-TFT (FID)			94.3%		50 - 150 %	"				"
<b>AQF0081-30 (17125-B6TW)</b>		<b>Water</b>						<b>Sampled: 06/14/07 16:20</b>		<b>A-01</b>
Gasoline Range Organics	AK101 GRO	ND	---	50.0	ug/l	1x	7060099	06/21/07 16:07	06/22/07 19:24	
Surrogate(s): a,a,a-TFT (FID)			84.7%		50 - 150 %	"				"
<b>AQF0081-37 (WTB1)</b>		<b>Water</b>						<b>Sampled: 06/14/07 11:10</b>		
Gasoline Range Organics	AK101 GRO	ND	---	50.0	ug/l	1x	7060099	06/21/07 16:07	06/22/07 04:37	
Surrogate(s): a,a,a-TFT (FID)			95.3%		50 - 150 %	"				"

TestAmerica - Anchorage, AK

*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.*

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager




<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Diesel Range Organics (C10-C25) per AK102**  
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-11 (17125-B6S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 14:00</b>					
Diesel Range Organics	AK 102	47.6	----	20.0	mg/kg dry	1x	7060082	06/19/07 08:35	06/24/07 17:29	
Surrogate(s): 1-Chlorooctadecane		89.5%		50 - 150 %		"				"
<b>AQF0081-30 (17125-B6TW)</b>		<b>Water</b>			<b>Sampled: 06/14/07 16:20</b>					
Diesel Range Organics	AK 102	1.46	----	0.417	mg/l	1x	7060119	06/26/07 08:37	06/26/07 12:01	
Surrogate(s): 1-Chlorooctadecane		85.0%		50 - 150 %		"				"

TestAmerica - Anchorage, AK

*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.*

  
 Rachel J James For Troy J. Engstrom, Manager





<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Physical Parameters by APHA/ASTM/EPA Methods**  
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
AQF0081-11 (17125-B6S1)										
		Soil						Sampled: 06/14/07 14:00		
Dry Weight	TA-SOP	74.8	---	1.00	%	1x	7060084	06/19/07 10:40	06/19/07 16:29	

TestAmerica - Anchorage, AK

*RJ*

Rachel J James For Troy J. Engstrom, Manager

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**Shannon & Wilson, INC.**

5430 Fairbanks Street, Suite 3  
 Anchorage, AK/USA 99518

Project Name: **N. Stika & Spar**

Project Number: 32-1-1715

Project Manager: Jessica Busey

Report Created:

07/12/07 09:04

## Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-02 (17125-B1S2)</b>										
										Soil
										Sampled: 06/14/07 08:45
Trichloroethene	EPA 8260B	364	5.04	42.0	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 16:01	
Trichlorofluoromethane	"	ND	3.77	42.0	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	20.7	42.0	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	2.83	42.0	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	3.92	42.0	"	"	"	"	"	
Vinyl chloride	"	ND	2.41	42.0	"	"	"	"	"	
o-Xylene	"	ND	4.87	42.0	"	"	"	"	"	
m,p-Xylene	"	5.04	4.79	84.0	"	"	"	"	"	J
Surrogate(s):	4-BFB		95.0%			75 - 125 %	0.01x			"
	1,2-DCA-d4		98.4%			75 - 125 %	"			"
	Dibromofluoromethane		88.1%			75 - 125 %	"			"
	Toluene-d8		100%			75 - 125 %	"			"
<b>AQF0081-03 (17125-B2S1)</b>										
										Soil
										Sampled: 06/14/07 09:10
Acetone	EPA 8260B	ND	54.1	938	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 18:46	
Benzene	"	ND	1.67	7.51	"	"	"	"	"	
Bromobenzene	"	ND	4.58	37.5	"	"	"	"	"	
Bromochloromethane	"	ND	6.16	37.5	"	"	"	"	"	
Bromodichloromethane	"	ND	3.83	37.5	"	"	"	"	"	
Bromoform	"	ND	5.93	37.5	"	"	"	"	"	
Bromomethane	"	ND	1.91	188	"	"	"	"	"	
2-Butanone (MEK)	"	ND	55.6	375	"	"	"	"	"	
n-Butylbenzene	"	ND	4.24	188	"	"	"	"	"	
sec-Butylbenzene	"	ND	2.80	37.5	"	"	"	"	"	
tert-Butylbenzene	"	ND	5.71	37.5	"	"	"	"	"	
Carbon disulfide	"	ND	2.70	375	"	"	"	"	"	
Carbon tetrachloride	"	ND	2.87	37.5	"	"	"	"	"	
Chlorobenzene	"	ND	3.04	37.5	"	"	"	"	"	
Chloroethane	"	ND	4.02	37.5	"	"	"	"	"	
Chloroform	"	ND	2.73	37.5	"	"	"	"	"	
Chloromethane	"	ND	2.52	188	"	"	"	"	"	
2-Chlorotoluene	"	ND	4.13	37.5	"	"	"	"	"	
4-Chlorotoluene	"	ND	3.90	37.5	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	9.76	188	"	"	"	"	"	
Dibromochloromethane	"	ND	4.20	37.5	"	"	"	"	"	
1,2-Dibromoethane	"	ND	4.35	37.5	"	"	"	"	"	
Dibromomethane	"	ND	5.52	37.5	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	5.41	37.5	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	2.20	37.5	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	5.59	37.5	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	4.43	188	"	"	"	"	"	
1,1-Dichloroethane	"	ND	4.47	37.5	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



**Shannon & Wilson, INC.**

5430 Fairbanks Street, Suite 3  
 Anchorage, AK/USA 99518

Project Name: **N. Stika & Spar**

Project Number: 32-1-1715

Project Manager: Jessica Busey

Report Created:

07/12/07 09:04

## Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-03 (17125-B2S1)</b>		<b>Soil</b>							<b>Sampled: 06/14/07 09:10</b>	
1,2-Dichloroethane	EPA 8260B	ND	4.20	37.5	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 18:46	
1,1-Dichloroethene	"	ND	4.47	37.5	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	4.73	37.5	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	3.37	37.5	"	"	"	"	"	
1,2-Dichloropropane	"	ND	2.80	37.5	"	"	"	"	"	
1,3-Dichloropropane	"	ND	6.53	37.5	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.04	37.5	"	"	"	"	"	
1,1-Dichloropropene	"	ND	4.09	37.5	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	1.86	37.5	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	3.11	37.5	"	"	"	"	"	
Ethylbenzene	"	ND	3.53	37.5	"	"	"	"	"	
Hexachlorobutadiene	"	ND	26.0	150	"	"	"	"	"	
2-Hexanone	"	ND	21.5	375	"	"	"	"	"	
Isopropylbenzene	"	ND	3.58	75.1	"	"	"	"	"	
p-Isopropyltoluene	"	ND	3.63	75.1	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	43.9	188	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	4.47	37.5	"	"	"	"	"	
Methylene chloride	"	ND	93.8	188	"	"	"	"	"	
Naphthalene	"	ND	5.29	75.1	"	"	"	"	"	
n-Propylbenzene	"	ND	3.71	37.5	"	"	"	"	"	
Styrene	"	ND	3.34	37.5	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	3.47	37.5	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	7.92	37.5	"	"	"	"	"	
Tetrachloroethene	"	ND	6.34	37.5	"	"	"	"	"	
Toluene	"	ND	2.36	37.5	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	6.34	37.5	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	8.03	37.5	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.30	37.5	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	6.79	37.5	"	"	"	"	"	
Trichloroethene	"	ND	4.50	37.5	"	"	"	"	"	
Trichlorofluoromethane	"	ND	3.37	37.5	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	18.5	37.5	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	2.53	37.5	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	3.50	37.5	"	"	"	"	"	
Vinyl chloride	"	ND	2.15	37.5	"	"	"	"	"	
o-Xylene	"	ND	4.35	37.5	"	"	"	"	"	
m,p-Xylene	"	ND	4.28	75.1	"	"	"	"	"	
Surrogate(s):	4-BFB		93.4%		75 - 125 %	0.01x				"
	1,2-DCA-d4		96.1%		75 - 125 %	"				"
	Dibromofluoromethane		89.5%		75 - 125 %	"				"
	Toluene-d8		98.3%		75 - 125 %	"				"



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-04 (17125-B2S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 09:15</b>					
Acetone	EPA 8260B	ND	48.9	850	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 19:14	
Benzene	"	ND	1.51	6.80	"	"	"	"	"	
Bromobenzene	"	ND	4.15	34.0	"	"	"	"	"	
Bromochloromethane	"	ND	5.57	34.0	"	"	"	"	"	
Bromodichloromethane	"	ND	3.47	34.0	"	"	"	"	"	
Bromoform	"	ND	5.37	34.0	"	"	"	"	"	
Bromomethane	"	ND	1.73	170	"	"	"	"	"	
2-Butanone (MEK)	"	ND	50.3	340	"	"	"	"	"	
n-Butylbenzene	"	ND	3.84	170	"	"	"	"	"	
sec-Butylbenzene	"	ND	2.53	34.0	"	"	"	"	"	
tert-Butylbenzene	"	ND	5.17	34.0	"	"	"	"	"	
Carbon disulfide	"	ND	2.44	340	"	"	"	"	"	
Carbon tetrachloride	"	ND	2.60	34.0	"	"	"	"	"	
Chlorobenzene	"	ND	2.75	34.0	"	"	"	"	"	
Chloroethane	"	ND	3.64	34.0	"	"	"	"	"	
Chloroform	"	ND	2.47	34.0	"	"	"	"	"	
Chloromethane	"	ND	2.28	170	"	"	"	"	"	
2-Chlorotoluene	"	ND	3.74	34.0	"	"	"	"	"	
4-Chlorotoluene	"	ND	3.54	34.0	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	8.84	170	"	"	"	"	"	
Dibromochloromethane	"	ND	3.81	34.0	"	"	"	"	"	
1,2-Dibromoethane	"	ND	3.94	34.0	"	"	"	"	"	
Dibromomethane	"	ND	5.00	34.0	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	4.89	34.0	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	1.99	34.0	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	5.06	34.0	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	4.01	170	"	"	"	"	"	
1,1-Dichloroethane	"	ND	4.05	34.0	"	"	"	"	"	
1,2-Dichloroethane	"	ND	3.81	34.0	"	"	"	"	"	
1,1-Dichloroethene	"	ND	4.05	34.0	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	4.28	34.0	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	3.05	34.0	"	"	"	"	"	
1,2-Dichloropropane	"	ND	2.53	34.0	"	"	"	"	"	
1,3-Dichloropropane	"	ND	5.91	34.0	"	"	"	"	"	
2,2-Dichloropropane	"	ND	2.75	34.0	"	"	"	"	"	
1,1-Dichloropropene	"	ND	3.71	34.0	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	1.68	34.0	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	2.82	34.0	"	"	"	"	"	
Ethylbenzene	"	ND	3.20	34.0	"	"	"	"	"	
Hexachlorobutadiene	"	ND	23.6	136	"	"	"	"	"	
2-Hexanone	"	ND	19.4	340	"	"	"	"	"	
Isopropylbenzene	"	ND	3.25	68.0	"	"	"	"	"	
p-Isopropyltoluene	"	ND	3.29	68.0	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-04 (17125-B2S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 09:15</b>					
4-Methyl-2-pentanone	EPA 8260B	ND	39.8	170	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 19:14	
Methyl tert-butyl ether	"	ND	4.05	34.0	"	"	"	"	"	
Methylene chloride	"	ND	85.0	170	"	"	"	"	"	
Naphthalene	"	ND	4.79	68.0	"	"	"	"	"	
n-Propylbenzene	"	ND	3.36	34.0	"	"	"	"	"	
Styrene	"	ND	3.02	34.0	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	3.14	34.0	"	"	"	"	"	
1,1,1,2,2-Tetrachloroethane	"	ND	7.17	34.0	"	"	"	"	"	
Tetrachloroethene	"	ND	5.74	34.0	"	"	"	"	"	
<b>Toluene</b>	"	<b>3.40</b>	<b>2.14</b>	34.0	"	"	"	"	"	J
1,2,3-Trichlorobenzene	"	ND	5.74	34.0	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	7.27	34.0	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.08	34.0	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	6.15	34.0	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>153</b>	<b>4.08</b>	34.0	"	"	"	"	"	
Trichlorofluoromethane	"	ND	3.05	34.0	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	16.7	34.0	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	2.29	34.0	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	3.17	34.0	"	"	"	"	"	
Vinyl chloride	"	ND	1.95	34.0	"	"	"	"	"	
o-Xylene	"	ND	3.94	34.0	"	"	"	"	"	
m,p-Xylene	"	ND	3.88	68.0	"	"	"	"	"	
<i>Surrogate(s):</i>										
4-BFB			97.2%		75 - 125 %	0.01x				"
1,2-DCA-d4			97.7%		75 - 125 %	"				"
Dibromofluoromethane			90.4%		75 - 125 %	"				"
Toluene-d8			102%		75 - 125 %	"				"

<b>AQF0081-05 (17125-B3S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 09:45</b>					
Acetone	EPA 8260B	ND	49.0	850	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 19:41	
Benzene	"	ND	1.51	6.80	"	"	"	"	"	
Bromobenzene	"	ND	4.15	34.0	"	"	"	"	"	
Bromochloromethane	"	ND	5.58	34.0	"	"	"	"	"	
Bromodichloromethane	"	ND	3.47	34.0	"	"	"	"	"	
Bromoform	"	ND	5.38	34.0	"	"	"	"	"	
Bromomethane	"	ND	1.73	170	"	"	"	"	"	
2-Butanone (MEK)	"	ND	50.3	340	"	"	"	"	"	
n-Butylbenzene	"	ND	3.84	170	"	"	"	"	"	
sec-Butylbenzene	"	ND	2.53	34.0	"	"	"	"	"	
tert-Butylbenzene	"	ND	5.17	34.0	"	"	"	"	"	
Carbon disulfide	"	ND	2.45	340	"	"	"	"	"	
Carbon tetrachloride	"	ND	2.60	34.0	"	"	"	"	"	
Chlorobenzene	"	ND	2.75	34.0	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



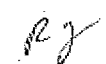
<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-05 (17125-B3S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 09:45</b>					
Chloroethane	EPA 8260B	ND	3.64	34.0	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 19:41	
Chloroform	"	ND	2.47	34.0	"	"	"	"	"	
Chloromethane	"	ND	2.29	170	"	"	"	"	"	
2-Chlorotoluene	"	ND	3.74	34.0	"	"	"	"	"	
4-Chlorotoluene	"	ND	3.54	34.0	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	8.85	170	"	"	"	"	"	
Dibromochloromethane	"	ND	3.81	34.0	"	"	"	"	"	
1,2-Dibromoethane	"	ND	3.95	34.0	"	"	"	"	"	
Dibromomethane	"	ND	5.00	34.0	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	4.90	34.0	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	1.99	34.0	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	5.07	34.0	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	4.01	170	"	"	"	"	"	
1,1-Dichloroethane	"	ND	4.05	34.0	"	"	"	"	"	
1,2-Dichloroethane	"	ND	3.81	34.0	"	"	"	"	"	
1,1-Dichloroethene	"	ND	4.05	34.0	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	4.29	34.0	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	3.05	34.0	"	"	"	"	"	
1,2-Dichloropropane	"	ND	2.53	34.0	"	"	"	"	"	
1,3-Dichloropropane	"	ND	5.92	34.0	"	"	"	"	"	
2,2-Dichloropropane	"	ND	2.75	34.0	"	"	"	"	"	
1,1-Dichloropropene	"	ND	3.71	34.0	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	1.68	34.0	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	2.82	34.0	"	"	"	"	"	
Ethylbenzene	"	ND	3.20	34.0	"	"	"	"	"	
Hexachlorobutadiene	"	ND	23.6	136	"	"	"	"	"	
2-Hexanone	"	ND	19.5	340	"	"	"	"	"	
Isopropylbenzene	"	ND	3.25	68.0	"	"	"	"	"	
p-Isopropyltoluene	"	ND	3.29	68.0	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	39.8	170	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	4.05	34.0	"	"	"	"	"	
Methylene chloride	"	ND	85.0	170	"	"	"	"	"	
Naphthalene	"	ND	4.80	68.0	"	"	"	"	"	
n-Propylbenzene	"	ND	3.36	34.0	"	"	"	"	"	
Styrene	"	ND	3.02	34.0	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	3.15	34.0	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	7.18	34.0	"	"	"	"	"	
Tetrachloroethene	"	ND	5.75	34.0	"	"	"	"	"	
Toluene	"	ND	2.14	34.0	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	5.75	34.0	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	7.28	34.0	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.09	34.0	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	6.16	34.0	"	"	"	"	"	

TestAmerica - Anchorage, AK

*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.*

  
 Rachel J. James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-05 (17125-B3S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 09:45</b>					
Trichloroethene	EPA 8260B	12.9	4.08	34.0	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 19:41	J
Trichlorofluoromethane	"	ND	3.05	34.0	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	16.7	34.0	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	2.30	34.0	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	3.17	34.0	"	"	"	"	"	"
Vinyl chloride	"	ND	1.95	34.0	"	"	"	"	"	"
o-Xylene	"	ND	3.95	34.0	"	"	"	"	"	"
m,p-Xylene	"	ND	3.88	68.0	"	"	"	"	"	"
Surrogate(s):	4-BFB		97.5%		75 - 125 %	0.01x				"
	1,2-DCA-d4		97.4%		75 - 125 %	"				"
	Dibromofluoromethane		90.3%		75 - 125 %	"				"
	Toluene-d8		99.1%		75 - 125 %	"				"
<b>AQF0081-06 (17125-B3S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 09:50</b>					
Acetone	EPA 8260B	ND	57.4	997	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 20:08	
Benzene	"	ND	1.77	7.97	"	"	"	"	"	"
Bromobenzene	"	ND	4.86	39.9	"	"	"	"	"	"
Bromochloromethane	"	ND	6.54	39.9	"	"	"	"	"	"
Bromodichloromethane	"	ND	4.07	39.9	"	"	"	"	"	"
Bromoform	"	ND	6.30	39.9	"	"	"	"	"	"
Bromomethane	"	ND	2.03	199	"	"	"	"	"	"
2-Butanone (MEK)	"	ND	59.0	399	"	"	"	"	"	"
n-Butylbenzene	"	ND	4.50	199	"	"	"	"	"	"
sec-Butylbenzene	"	ND	2.97	39.9	"	"	"	"	"	"
tert-Butylbenzene	"	ND	6.06	39.9	"	"	"	"	"	"
Carbon disulfide	"	ND	2.87	399	"	"	"	"	"	"
Carbon tetrachloride	"	ND	3.05	39.9	"	"	"	"	"	"
Chlorobenzene	"	ND	3.23	39.9	"	"	"	"	"	"
Chloroethane	"	ND	4.27	39.9	"	"	"	"	"	"
Chloroform	"	ND	2.89	39.9	"	"	"	"	"	"
Chloromethane	"	ND	2.68	199	"	"	"	"	"	"
2-Chlorotoluene	"	ND	4.39	39.9	"	"	"	"	"	"
4-Chlorotoluene	"	ND	4.15	39.9	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	10.4	199	"	"	"	"	"	"
Dibromochloromethane	"	ND	4.46	39.9	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	4.62	39.9	"	"	"	"	"	"
Dibromomethane	"	ND	5.86	39.9	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	5.74	39.9	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	2.34	39.9	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	5.94	39.9	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	4.70	199	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	4.74	39.9	"	"	"	"	"	"

TestAmerica - Anchorage, AK

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.

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-06 (17125-B3S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 09:50</b>					
1,2-Dichloroethane	EPA 8260B	ND	4.46	39.9	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 20:08	
1,1-Dichloroethane	"	ND	4.74	39.9	"	"	"	"	"	
cis-1,2-Dichloroethane	"	ND	5.02	39.9	"	"	"	"	"	
trans-1,2-Dichloroethane	"	ND	3.58	39.9	"	"	"	"	"	
1,2-Dichloropropane	"	ND	2.97	39.9	"	"	"	"	"	
1,3-Dichloropropane	"	ND	6.94	39.9	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.23	39.9	"	"	"	"	"	
1,1-Dichloropropene	"	ND	4.35	39.9	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	1.97	39.9	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	3.30	39.9	"	"	"	"	"	
Ethylbenzene	"	ND	3.75	39.9	"	"	"	"	"	
Hexachlorobutadiene	"	ND	27.7	159	"	"	"	"	"	
2-Hexanone	"	ND	22.8	399	"	"	"	"	"	
Isopropylbenzene	"	ND	3.81	79.7	"	"	"	"	"	
p-Isopropyltoluene	"	ND	3.86	79.7	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	46.6	199	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	4.74	39.9	"	"	"	"	"	
Methylene chloride	"	ND	99.7	199	"	"	"	"	"	
Naphthalene	"	ND	5.62	79.7	"	"	"	"	"	
n-Propylbenzene	"	ND	3.94	39.9	"	"	"	"	"	
Styrene	"	ND	3.54	39.9	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	3.69	39.9	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	8.41	39.9	"	"	"	"	"	
Tetrachloroethene	"	ND	6.74	39.9	"	"	"	"	"	
Toluene	"	ND	2.51	39.9	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	6.74	39.9	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	8.53	39.9	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.44	39.9	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	7.22	39.9	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>41.1</b>	4.78	39.9	"	"	"	"	"	
Trichlorofluoromethane	"	ND	3.58	39.9	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	19.6	39.9	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	2.69	39.9	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	3.72	39.9	"	"	"	"	"	
Vinyl chloride	"	ND	2.29	39.9	"	"	"	"	"	
o-Xylene	"	ND	4.62	39.9	"	"	"	"	"	
m,p-Xylene	"	ND	4.54	79.7	"	"	"	"	"	
<i>Surrogate(s):</i>										
4-BFB			93.7%		75 - 125 %	0.01x				"
1,2-DCA-d4			93.8%		75 - 125 %	"				"
Dibromofluoromethane			90.2%		75 - 125 %	"				"
Toluene-d8			98.4%		75 - 125 %	"				"

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager





<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-07 (17125-B4S1)</b>		<b>Soil</b>					<b>Sampled: 06/14/07 12:50</b>			
Acetone	EPA 8260B	ND	55.5	964	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 20:36	
Benzene	"	ND	1.71	7.71	"	"	"	"	"	
Bromobenzene	"	ND	4.70	38.5	"	"	"	"	"	
Bromochloromethane	"	ND	6.32	38.5	"	"	"	"	"	
Bromodichloromethane	"	ND	3.93	38.5	"	"	"	"	"	
Bromoform	"	ND	6.09	38.5	"	"	"	"	"	
Bromomethane	"	ND	1.96	193	"	"	"	"	"	
2-Butanone (MEK)	"	ND	57.0	385	"	"	"	"	"	
n-Butylbenzene	"	ND	4.36	193	"	"	"	"	"	
sec-Butylbenzene	"	ND	2.87	38.5	"	"	"	"	"	
tert-Butylbenzene	"	ND	5.86	38.5	"	"	"	"	"	
Carbon disulfide	"	ND	2.77	385	"	"	"	"	"	
Carbon tetrachloride	"	ND	2.94	38.5	"	"	"	"	"	
Chlorobenzene	"	ND	3.12	38.5	"	"	"	"	"	
Chloroethane	"	ND	4.12	38.5	"	"	"	"	"	
Chloroform	"	ND	2.80	38.5	"	"	"	"	"	
Chloromethane	"	ND	2.59	193	"	"	"	"	"	
2-Chlorotoluene	"	ND	4.24	38.5	"	"	"	"	"	
4-Chlorotoluene	"	ND	4.01	38.5	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	10.0	193	"	"	"	"	"	
Dibromochloromethane	"	ND	4.32	38.5	"	"	"	"	"	
1,2-Dibromoethane	"	ND	4.47	38.5	"	"	"	"	"	
Dibromomethane	"	ND	5.67	38.5	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	5.55	38.5	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	2.26	38.5	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	5.74	38.5	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	4.55	193	"	"	"	"	"	
1,1-Dichloroethane	"	ND	4.59	38.5	"	"	"	"	"	
1,2-Dichloroethane	"	ND	4.32	38.5	"	"	"	"	"	
1,1-Dichloroethene	"	ND	4.59	38.5	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	4.86	38.5	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	3.46	38.5	"	"	"	"	"	
1,2-Dichloropropane	"	ND	2.87	38.5	"	"	"	"	"	
1,3-Dichloropropane	"	ND	6.71	38.5	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.12	38.5	"	"	"	"	"	
1,1-Dichloropropene	"	ND	4.20	38.5	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	1.91	38.5	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	3.20	38.5	"	"	"	"	"	
Ethylbenzene	"	ND	3.62	38.5	"	"	"	"	"	
Hexachlorobutadiene	"	ND	26.7	154	"	"	"	"	"	
2-Hexanone	"	ND	22.0	385	"	"	"	"	"	
Isopropylbenzene	"	ND	3.68	77.1	"	"	"	"	"	
p-Isopropyltoluene	"	ND	3.73	77.1	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-07 (17125-B4S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 12:50</b>					
4-Methyl-2-pentanone	EPA 8260B	ND	45.1	193	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 20:36	
Methyl tert-butyl ether	"	ND	4.59	38.5	"	"	"	"	"	
Methylene chloride	"	ND	96.4	193	"	"	"	"	"	
Naphthalene	"	ND	5.43	77.1	"	"	"	"	"	
n-Propylbenzene	"	ND	3.81	38.5	"	"	"	"	"	
Styrene	"	ND	3.43	38.5	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	3.57	38.5	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	8.13	38.5	"	"	"	"	"	
Tetrachloroethene	"	ND	6.51	38.5	"	"	"	"	"	
<b>Toluene</b>	"	<b>3.08</b>	<b>2.42</b>	<b>38.5</b>	"	"	"	"	"	<b>J</b>
1,2,3-Trichlorobenzene	"	ND	6.51	38.5	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	8.25	38.5	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.36	38.5	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	6.98	38.5	"	"	"	"	"	
Trichloroethene	"	ND	4.62	38.5	"	"	"	"	"	
Trichlorofluoromethane	"	ND	3.46	38.5	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	19.0	38.5	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	2.60	38.5	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	3.60	38.5	"	"	"	"	"	
Vinyl chloride	"	ND	2.21	38.5	"	"	"	"	"	
o-Xylene	"	ND	4.47	38.5	"	"	"	"	"	
m,p-Xylene	"	ND	4.39	77.1	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>		<i>93.8%</i>		<i>75 - 125 %</i>	<i>0.01x</i>				
	<i>1,2-DCA-d4</i>		<i>99.8%</i>		<i>75 - 125 %</i>	<i>"</i>				
	<i>Dibromofluoromethane</i>		<i>95.8%</i>		<i>75 - 125 %</i>	<i>"</i>				
	<i>Toluene-d8</i>		<i>103%</i>		<i>75 - 125 %</i>	<i>"</i>				

<b>AQF0081-08 (17125-B4S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 12:55</b>					
Acetone	EPA 8260B	ND	55.1	957	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 21:03	
Benzene	"	ND	1.70	7.66	"	"	"	"	"	
Bromobenzene	"	ND	4.67	38.3	"	"	"	"	"	
Bromochloromethane	"	ND	6.28	38.3	"	"	"	"	"	
Bromodichloromethane	"	ND	3.91	38.3	"	"	"	"	"	
Bromoform	"	ND	6.05	38.3	"	"	"	"	"	
Bromomethane	"	ND	1.95	191	"	"	"	"	"	
2-Butanone (MEK)	"	ND	56.7	383	"	"	"	"	"	
n-Butylbenzene	"	ND	4.33	191	"	"	"	"	"	
sec-Butylbenzene	"	ND	2.85	38.3	"	"	"	"	"	
tert-Butylbenzene	"	ND	5.82	38.3	"	"	"	"	"	
Carbon disulfide	"	ND	2.75	383	"	"	"	"	"	
Carbon tetrachloride	"	ND	2.93	38.3	"	"	"	"	"	
Chlorobenzene	"	ND	3.10	38.3	"	"	"	"	"	

TestAmerica - Anchorage, AK

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.

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b>	Project Name: <b>N. Stika &amp; Spar</b>	Report Created:
5430 Fairbanks Street, Suite 3	Project Number: 32-1-1715	07/12/07 09:04
Anchorage, AK/USA 99518	Project Manager: Jessica Busey	

**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-08 (17125-B4S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 12:55</b>					
Chloroethane	EPA 8260B	ND	4.10	38.3	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 21:03	
Chloroform	"	ND	2.78	38.3	"	"	"	"	"	
Chloromethane	"	ND	2.57	191	"	"	"	"	"	
2-Chlorotoluene	"	ND	4.21	38.3	"	"	"	"	"	
4-Chlorotoluene	"	ND	3.98	38.3	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	9.96	191	"	"	"	"	"	
Dibromochloromethane	"	ND	4.29	38.3	"	"	"	"	"	
1,2-Dibromoethane	"	ND	4.44	38.3	"	"	"	"	"	
Dibromomethane	"	ND	5.63	38.3	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	5.51	38.3	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	2.24	38.3	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	5.71	38.3	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	4.52	191	"	"	"	"	"	
1,1-Dichloroethane	"	ND	4.56	38.3	"	"	"	"	"	
1,2-Dichloroethane	"	ND	4.29	38.3	"	"	"	"	"	
1,1-Dichloroethene	"	ND	4.56	38.3	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	"	<b>6.89</b>	4.82	38.3	"	"	"	"	"	J
trans-1,2-Dichloroethene	"	ND	3.43	38.3	"	"	"	"	"	
<b>1,2-Dichloropropane</b>	"	<b>11.9</b>	2.85	38.3	"	"	"	"	"	J
1,3-Dichloropropane	"	ND	6.66	38.3	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.10	38.3	"	"	"	"	"	
1,1-Dichloropropene	"	ND	4.17	38.3	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	1.90	38.3	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	3.17	38.3	"	"	"	"	"	
Ethylbenzene	"	ND	3.60	38.3	"	"	"	"	"	
Hexachlorobutadiene	"	ND	26.6	153	"	"	"	"	"	
2-Hexanone	"	ND	21.9	383	"	"	"	"	"	
Isopropylbenzene	"	ND	3.66	76.6	"	"	"	"	"	
p-Isopropyltoluene	"	ND	3.71	76.6	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	44.8	191	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	4.56	38.3	"	"	"	"	"	
Methylene chloride	"	ND	95.7	191	"	"	"	"	"	
Naphthalene	"	ND	5.40	76.6	"	"	"	"	"	
n-Propylbenzene	"	ND	3.79	38.3	"	"	"	"	"	
Styrene	"	ND	3.40	38.3	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	3.54	38.3	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	8.08	38.3	"	"	"	"	"	
Tetrachloroethene	"	ND	6.47	38.3	"	"	"	"	"	
Toluene	"	ND	2.41	38.3	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	6.47	38.3	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	8.19	38.3	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.35	38.3	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	6.93	38.3	"	"	"	"	"	

TestAmerica - Anchorage, AK

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.

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: <b>32-1-1715</b> Project Manager: <b>Jessica Busey</b>	Report Created: <b>07/12/07 09:04</b>
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-08 (17125-B4S2)</b>	<b>Soil</b>		<b>Sampled: 06/14/07 12:55</b>							
Trichloroethene	EPA 8260B	28.0	4.59	38.3	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 21:03	J
Trichlorofluoromethane	"	ND	3.43	38.3	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	18.8	38.3	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	2.58	38.3	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	3.57	38.3	"	"	"	"	"	"
Vinyl chloride	"	ND	2.20	38.3	"	"	"	"	"	"
o-Xylene	"	ND	4.44	38.3	"	"	"	"	"	"
m,p-Xylene	"	ND	4.37	76.6	"	"	"	"	"	"
Surrogate(s):	4-BFB	94.4%		75 - 125 %	0.01x					"
	1,2-DCA-d4	102%		75 - 125 %	"					"
	Dibromofluoromethane	92.4%		75 - 125 %	"					"
	Toluene-d8	99.6%		75 - 125 %	"					"
<b>AQF0081-09 (17125-B5S1)</b>	<b>Soil</b>		<b>Sampled: 06/14/07 13:20</b>							
Acetone	EPA 8260B	ND	64.8	1120	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 21:31	
Benzene	"	ND	2.00	9.00	"	"	"	"	"	"
Bromobenzene	"	ND	5.49	45.0	"	"	"	"	"	"
Bromochloromethane	"	ND	7.38	45.0	"	"	"	"	"	"
Bromodichloromethane	"	ND	4.59	45.0	"	"	"	"	"	"
Bromoform	"	ND	7.11	45.0	"	"	"	"	"	"
Bromomethane	"	ND	2.29	225	"	"	"	"	"	"
2-Butanone (MEK)	"	ND	66.6	450	"	"	"	"	"	"
n-Butylbenzene	"	ND	5.08	225	"	"	"	"	"	"
sec-Butylbenzene	"	ND	3.35	45.0	"	"	"	"	"	"
tert-Butylbenzene	"	ND	6.84	45.0	"	"	"	"	"	"
Carbon disulfide	"	ND	3.23	450	"	"	"	"	"	"
Carbon tetrachloride	"	ND	3.44	45.0	"	"	"	"	"	"
Chlorobenzene	"	ND	3.64	45.0	"	"	"	"	"	"
Chloroethane	"	ND	4.81	45.0	"	"	"	"	"	"
Chloroform	"	ND	3.27	45.0	"	"	"	"	"	"
Chloromethane	"	ND	3.02	225	"	"	"	"	"	"
2-Chlorotoluene	"	ND	4.95	45.0	"	"	"	"	"	"
4-Chlorotoluene	"	ND	4.68	45.0	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	11.7	225	"	"	"	"	"	"
Dibromochloromethane	"	ND	5.04	45.0	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	5.22	45.0	"	"	"	"	"	"
Dibromomethane	"	ND	6.61	45.0	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	6.48	45.0	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	2.64	45.0	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	6.70	45.0	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	5.31	225	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	5.35	45.0	"	"	"	"	"	"

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b>	Project Name: <b>N. Stika &amp; Spar</b>	Report Created:
5430 Fairbanks Street, Suite 3	Project Number: 32-1-1715	07/12/07 09:04
Anchorage, AK/USA 99518	Project Manager: Jessica Busey	

**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-09 (17125-B5S1)</b>		<b>Soil</b>					<b>Sampled: 06/14/07 13:20</b>			
1,2-Dichloroethane	EPA 8260B	ND	5.04	45.0	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 21:31	
1,1-Dichloroethane	"	ND	5.35	45.0	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	5.67	45.0	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	4.03	45.0	"	"	"	"	"	
1,2-Dichloropropane	"	ND	3.35	45.0	"	"	"	"	"	
1,3-Dichloropropane	"	ND	7.83	45.0	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.64	45.0	"	"	"	"	"	
1,1-Dichloropropene	"	ND	4.90	45.0	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	2.23	45.0	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	3.73	45.0	"	"	"	"	"	
Ethylbenzene	"	ND	4.23	45.0	"	"	"	"	"	
Hexachlorobutadiene	"	ND	31.2	180	"	"	"	"	"	
2-Hexanone	"	ND	25.7	450	"	"	"	"	"	
Isopropylbenzene	"	ND	4.30	90.0	"	"	"	"	"	
p-Isopropyltoluene	"	ND	4.35	90.0	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	52.6	225	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	5.35	45.0	"	"	"	"	"	
Methylene chloride	"	ND	112	225	"	"	"	"	"	
Naphthalene	"	ND	6.34	90.0	"	"	"	"	"	
n-Propylbenzene	"	ND	4.45	45.0	"	"	"	"	"	
Styrene	"	ND	4.00	45.0	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	4.16	45.0	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	9.49	45.0	"	"	"	"	"	
Tetrachloroethene	"	ND	7.60	45.0	"	"	"	"	"	
Toluene	"	ND	2.83	45.0	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	7.60	45.0	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	9.63	45.0	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.76	45.0	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	8.14	45.0	"	"	"	"	"	
Trichloroethene	"	ND	5.40	45.0	"	"	"	"	"	
Trichlorofluoromethane	"	ND	4.03	45.0	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	22.1	45.0	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	"	<b>4.95</b>	3.04	45.0	"	"	"	"	"	J
1,3,5-Trimethylbenzene	"	ND	4.20	45.0	"	"	"	"	"	
Vinyl chloride	"	ND	2.58	45.0	"	"	"	"	"	
o-Xylene	"	ND	5.22	45.0	"	"	"	"	"	
m,p-Xylene	"	ND	5.13	90.0	"	"	"	"	"	
Surrogate(s):	4-BFB		95.5%		75 - 125 %	0.01x				"
	1,2-DCA-d4		100%		75 - 125 %	"				"
	Dibromofluoromethane		91.2%		75 - 125 %	"				"
	Toluene-d8		100%		75 - 125 %	"				"

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b>	Project Name: <b>N. Stika &amp; Spar</b>	Report Created:
5430 Fairbanks Street, Suite 3	Project Number: 32-1-1715	07/12/07 09:04
Anchorage, AK/USA 99518	Project Manager: Jessica Busey	

**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-10 (17125-B5S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 13:25</b>					
Acetone	EPA 8260B	ND	67.9	1180	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 21:58	
Benzene	"	ND	2.09	9.43	"	"	"	"	"	
Bromobenzene	"	ND	5.75	47.2	"	"	"	"	"	
Bromochloromethane	"	ND	7.73	47.2	"	"	"	"	"	
Bromodichloromethane	"	ND	4.81	47.2	"	"	"	"	"	
Bromoform	"	ND	7.45	47.2	"	"	"	"	"	
Bromomethane	"	ND	2.40	236	"	"	"	"	"	
2-Butanone (MEK)	"	ND	69.8	472	"	"	"	"	"	
n-Butylbenzene	"	ND	5.33	236	"	"	"	"	"	
sec-Butylbenzene	"	ND	3.51	47.2	"	"	"	"	"	
tert-Butylbenzene	"	ND	7.17	47.2	"	"	"	"	"	
Carbon disulfide	"	ND	3.39	472	"	"	"	"	"	
Carbon tetrachloride	"	ND	3.60	47.2	"	"	"	"	"	
Chlorobenzene	"	ND	3.81	47.2	"	"	"	"	"	
Chloroethane	"	ND	5.05	47.2	"	"	"	"	"	
Chloroform	"	ND	3.42	47.2	"	"	"	"	"	
Chloromethane	"	ND	3.17	236	"	"	"	"	"	
2-Chlorotoluene	"	ND	5.19	47.2	"	"	"	"	"	
4-Chlorotoluene	"	ND	4.90	47.2	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	12.3	236	"	"	"	"	"	
Dibromochloromethane	"	ND	5.28	47.2	"	"	"	"	"	
1,2-Dibromoethane	"	ND	5.47	47.2	"	"	"	"	"	
Dibromomethane	"	ND	6.93	47.2	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	6.79	47.2	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	2.76	47.2	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	7.03	47.2	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	5.56	236	"	"	"	"	"	
1,1-Dichloroethane	"	ND	5.61	47.2	"	"	"	"	"	
1,2-Dichloroethane	"	ND	5.28	47.2	"	"	"	"	"	
1,1-Dichloroethene	"	ND	5.61	47.2	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	5.94	47.2	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	4.23	47.2	"	"	"	"	"	
1,2-Dichloropropane	"	ND	3.51	47.2	"	"	"	"	"	
1,3-Dichloropropane	"	ND	8.21	47.2	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.81	47.2	"	"	"	"	"	
1,1-Dichloropropene	"	ND	5.14	47.2	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	2.33	47.2	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	3.91	47.2	"	"	"	"	"	
Ethylbenzene	"	ND	4.43	47.2	"	"	"	"	"	
Hexachlorobutadiene	"	ND	32.7	189	"	"	"	"	"	
2-Hexanone	"	ND	27.0	472	"	"	"	"	"	
Isopropylbenzene	"	ND	4.50	94.3	"	"	"	"	"	
p-Isopropyltoluene	"	ND	4.56	94.3	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*

Rachel J James For Troy J. Engstrom, Manager

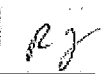


<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-10 (17125-B5S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 13:25</b>					
4-Methyl-2-pentanone	EPA 8260B	ND	55.2	236	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 21:58	
Methyl tert-butyl ether	"	ND	5.61	47.2	"	"	"	"	"	
Methylene chloride	"	ND	118	236	"	"	"	"	"	
Naphthalene	"	ND	6.65	94.3	"	"	"	"	"	
n-Propylbenzene	"	ND	4.66	47.2	"	"	"	"	"	
Styrene	"	ND	4.19	47.2	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	4.36	47.2	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	9.95	47.2	"	"	"	"	"	
Tetrachloroethene	"	ND	7.97	47.2	"	"	"	"	"	
Toluene	"	ND	2.97	47.2	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	7.97	47.2	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	10.1	47.2	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.89	47.2	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	8.54	47.2	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>10.4</b>	5.66	47.2	"	"	"	"	"	J
Trichlorofluoromethane	"	ND	4.23	47.2	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	23.2	47.2	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	3.18	47.2	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	4.40	47.2	"	"	"	"	"	
Vinyl chloride	"	ND	2.71	47.2	"	"	"	"	"	
o-Xylene	"	ND	5.47	47.2	"	"	"	"	"	
m,p-Xylene	"	ND	5.38	94.3	"	"	"	"	"	
<i>Surrogate(s):</i>										
4-BFB			94.6%			75 - 125 %	0.01x			"
1,2-DCA-d4			99.0%			75 - 125 %	"			"
Dibromofluoromethane			92.6%			75 - 125 %	"			"
Toluene-d8			100%			75 - 125 %	"			"

<b>AQF0081-11 (17125-B6S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 14:00</b>					
Acetone	EPA 8260B	ND	51.0	886	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 22:26	
Benzene	"	ND	1.57	7.09	"	"	"	"	"	
Bromobenzene	"	ND	4.32	35.4	"	"	"	"	"	
Bromochloromethane	"	ND	5.81	35.4	"	"	"	"	"	
Bromodichloromethane	"	ND	3.61	35.4	"	"	"	"	"	
Bromoform	"	ND	5.60	35.4	"	"	"	"	"	
Bromomethane	"	ND	1.80	177	"	"	"	"	"	
2-Butanone (MEK)	"	ND	52.4	354	"	"	"	"	"	
n-Butylbenzene	"	ND	4.00	177	"	"	"	"	"	
sec-Butylbenzene	"	ND	2.64	35.4	"	"	"	"	"	
tert-Butylbenzene	"	ND	5.39	35.4	"	"	"	"	"	
Carbon disulfide	"	ND	2.55	354	"	"	"	"	"	
Carbon tetrachloride	"	ND	2.71	35.4	"	"	"	"	"	
Chlorobenzene	"	ND	2.87	35.4	"	"	"	"	"	

TestAmerica - Anchorage, AK  
  
 Rachel J James For Troy J. Engstrom, Manager

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<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-11 (17125-B6S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 14:00</b>					
Chloroethane	EPA 8260B	ND	3.79	35.4	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 22:26	
Chloroform	"	ND	2.57	35.4	"	"	"	"	"	
Chloromethane	"	ND	2.38	177	"	"	"	"	"	
2-Chlorotoluene	"	ND	3.90	35.4	"	"	"	"	"	
4-Chlorotoluene	"	ND	3.69	35.4	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	9.21	177	"	"	"	"	"	
Dibromochloromethane	"	ND	3.97	35.4	"	"	"	"	"	
1,2-Dibromoethane	"	ND	4.11	35.4	"	"	"	"	"	
Dibromomethane	"	ND	5.21	35.4	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	5.10	35.4	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	2.08	35.4	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	5.28	35.4	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	4.18	177	"	"	"	"	"	
1,1-Dichloroethane	"	ND	4.22	35.4	"	"	"	"	"	
1,2-Dichloroethane	"	ND	3.97	35.4	"	"	"	"	"	
1,1-Dichloroethene	"	ND	4.22	35.4	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	4.47	35.4	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	3.18	35.4	"	"	"	"	"	
1,2-Dichloropropane	"	ND	2.64	35.4	"	"	"	"	"	
1,3-Dichloropropane	"	ND	6.17	35.4	"	"	"	"	"	
2,2-Dichloropropane	"	ND	2.87	35.4	"	"	"	"	"	
1,1-Dichloropropene	"	ND	3.86	35.4	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	1.75	35.4	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	2.94	35.4	"	"	"	"	"	
Ethylbenzene	"	ND	3.33	35.4	"	"	"	"	"	
Hexachlorobutadiene	"	ND	24.6	142	"	"	"	"	"	
2-Hexanone	"	ND	20.3	354	"	"	"	"	"	
Isopropylbenzene	"	ND	3.38	70.9	"	"	"	"	"	
p-Isopropyltoluene	"	ND	3.43	70.9	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	41.5	177	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	4.22	35.4	"	"	"	"	"	
Methylene chloride	"	ND	88.6	177	"	"	"	"	"	
Naphthalene	"	ND	5.00	70.9	"	"	"	"	"	
n-Propylbenzene	"	ND	3.50	35.4	"	"	"	"	"	
Styrene	"	ND	3.15	35.4	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	3.28	35.4	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	7.48	35.4	"	"	"	"	"	
Tetrachloroethene	"	ND	5.99	35.4	"	"	"	"	"	
<b>Toluene</b>	"	<b>5.32</b>	2.23	35.4	"	"	"	"	"	J
1,2,3-Trichlorobenzene	"	ND	5.99	35.4	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	7.58	35.4	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.17	35.4	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	6.41	35.4	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager





<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-11 (17125-B6S1)</b>		<b>Soil</b>		<b>Sampled: 06/14/07 14:00</b>						
Trichloroethene	EPA 8260B	ND	4.25	35.4	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 22:26	
Trichlorofluoromethane	"	ND	3.18	35.4	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	17.4	35.4	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	2.39	35.4	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	3.31	35.4	"	"	"	"	"	
Vinyl chloride	"	ND	2.03	35.4	"	"	"	"	"	
o-Xylene	"	ND	4.11	35.4	"	"	"	"	"	
m,p-Xylene	"	ND	4.04	70.9	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>		96.9%		75 - 125 %	0.01x				"
	<i>1,2-DCA-d4</i>		99.4%		75 - 125 %	"				"
	<i>Dibromofluoromethane</i>		94.4%		75 - 125 %	"				"
	<i>Toluene-d8</i>		101%		75 - 125 %	"				"
<b>AQF0081-12 (17125-B6S2)</b>		<b>Soil</b>		<b>Sampled: 06/14/07 14:10</b>						
Acetone	EPA 8260B	ND	78.3	1360	ug/kg dry	1x	7060794	06/19/07 12:25	06/20/07 12:01	
Benzene	"	ND	2.42	10.9	"	"	"	"	"	
Bromobenzene	"	ND	6.64	54.4	"	"	"	"	"	
Bromochloromethane	"	ND	8.92	54.4	"	"	"	"	"	
Bromodichloromethane	"	ND	5.55	54.4	"	"	"	"	"	
Bromoform	"	ND	8.59	54.4	"	"	"	"	"	
Bromomethane	"	ND	2.77	272	"	"	"	"	"	
2-Butanone (MEK)	"	ND	80.5	544	"	"	"	"	"	
n-Butylbenzene	"	ND	6.15	272	"	"	"	"	"	
sec-Butylbenzene	"	ND	4.05	54.4	"	"	"	"	"	
tert-Butylbenzene	"	ND	8.27	54.4	"	"	"	"	"	
<b>Carbon disulfide</b>	"	<b>6.53</b>	3.91	544	"	"	"	"	"	J
Carbon tetrachloride	"	ND	4.16	54.4	"	"	"	"	"	
Chlorobenzene	"	ND	4.40	54.4	"	"	"	"	"	
Chloroethane	"	ND	5.82	54.4	"	"	"	"	"	
Chloroform	"	ND	3.95	54.4	"	"	"	"	"	
Chloromethane	"	ND	3.66	272	"	"	"	"	"	
2-Chlorotoluene	"	ND	5.98	54.4	"	"	"	"	"	
4-Chlorotoluene	"	ND	5.66	54.4	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	14.1	272	"	"	"	"	"	
Dibromochloromethane	"	ND	6.09	54.4	"	"	"	"	"	
1,2-Dibromoethane	"	ND	6.31	54.4	"	"	"	"	"	
Dibromomethane	"	ND	8.00	54.4	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	7.83	54.4	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	3.19	54.4	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	8.11	54.4	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	6.42	272	"	"	"	"	"	
1,1-Dichloroethane	"	ND	6.47	54.4	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-12 (17125-B6S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 14:10</b>					
1,2-Dichloroethane	EPA 8260B	ND	6.09	54.4	ug/kg dry	1x	7060794	06/19/07 12:25	06/20/07 12:01	
1,1-Dichloroethene	"	ND	6.47	54.4	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	6.85	54.4	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	4.88	54.4	"	"	"	"	"	
1,2-Dichloropropane	"	ND	4.05	54.4	"	"	"	"	"	
1,3-Dichloropropane	"	ND	9.47	54.4	"	"	"	"	"	
2,2-Dichloropropane	"	ND	4.40	54.4	"	"	"	"	"	
1,1-Dichloropropene	"	ND	5.93	54.4	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	2.69	54.4	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	4.51	54.4	"	"	"	"	"	
Ethylbenzene	"	ND	5.11	54.4	"	"	"	"	"	
Hexachlorobutadiene	"	ND	37.8	218	"	"	"	"	"	
2-Hexanone	"	ND	31.1	544	"	"	"	"	"	
Isopropylbenzene	"	ND	5.19	109	"	"	"	"	"	
<b>p-Isopropyltoluene</b>	"	<b>12.0</b>	5.27	109	"	"	"	"	"	J
4-Methyl-2-pentanone	"	ND	63.6	272	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	6.47	54.4	"	"	"	"	"	
Methylene chloride	"	ND	136	272	"	"	"	"	"	
<b>Naphthalene</b>	"	<b>10.3</b>	7.67	109	"	"	"	"	"	J
<b>n-Propylbenzene</b>	"	<b>13.6</b>	5.38	54.4	"	"	"	"	"	J
Styrene	"	ND	4.84	54.4	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	5.03	54.4	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	11.5	54.4	"	"	"	"	"	
Tetrachloroethene	"	ND	9.19	54.4	"	"	"	"	"	
<b>Toluene</b>	"	<b>28.3</b>	3.42	54.4	"	"	"	"	"	J
1,2,3-Trichlorobenzene	"	ND	9.19	54.4	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	11.6	54.4	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	3.33	54.4	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	9.85	54.4	"	"	"	"	"	
Trichloroethene	"	ND	6.53	54.4	"	"	"	"	"	
Trichlorofluoromethane	"	ND	4.88	54.4	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	26.8	54.4	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	"	<b>7.07</b>	3.67	54.4	"	"	"	"	"	J
1,3,5-Trimethylbenzene	"	ND	5.08	54.4	"	"	"	"	"	
Vinyl chloride	"	ND	3.12	54.4	"	"	"	"	"	
o-Xylene	"	ND	6.31	54.4	"	"	"	"	"	
m,p-Xylene	"	ND	6.20	109	"	"	"	"	"	
Surrogate(s):	4-BFB		96.5%		75 - 125 %	0.01x				"
	1,2-DCA-d4		100%		75 - 125 %	"				"
	Dibromofluoromethane		96.2%		75 - 125 %	"				"
	Toluene-d8		99.7%		75 - 125 %	"				"

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-13 (17125-B7S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 15:10</b>					
Acetone	EPA 8260B	ND	60.0	1040	ug/kg dry	1x	7060794	06/19/07 12:25	06/20/07 12:28	
Benzene	"	ND	1.85	8.33	"	"	"	"	"	
Bromobenzene	"	ND	5.08	41.7	"	"	"	"	"	
Bromochloromethane	"	ND	6.83	41.7	"	"	"	"	"	
Bromodichloromethane	"	ND	4.25	41.7	"	"	"	"	"	
Bromoform	"	ND	6.58	41.7	"	"	"	"	"	
Bromomethane	"	ND	2.12	208	"	"	"	"	"	
2-Butanone (MEK)	"	ND	61.7	417	"	"	"	"	"	
n-Butylbenzene	"	ND	4.71	208	"	"	"	"	"	
sec-Butylbenzene	"	ND	3.10	41.7	"	"	"	"	"	
tert-Butylbenzene	"	ND	6.33	41.7	"	"	"	"	"	
Carbon disulfide	"	ND	3.00	417	"	"	"	"	"	
Carbon tetrachloride	"	ND	3.18	41.7	"	"	"	"	"	
Chlorobenzene	"	ND	3.37	41.7	"	"	"	"	"	
Chloroethane	"	ND	4.46	41.7	"	"	"	"	"	
Chloroform	"	ND	3.02	41.7	"	"	"	"	"	
Chloromethane	"	ND	2.80	208	"	"	"	"	"	
2-Chlorotoluene	"	ND	4.58	41.7	"	"	"	"	"	
4-Chlorotoluene	"	ND	4.33	41.7	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	10.8	208	"	"	"	"	"	
Dibromochloromethane	"	ND	4.67	41.7	"	"	"	"	"	
1,2-Dibromoethane	"	ND	4.83	41.7	"	"	"	"	"	
Dibromomethane	"	ND	6.12	41.7	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	6.00	41.7	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	2.44	41.7	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	6.21	41.7	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	4.92	208	"	"	"	"	"	
1,1-Dichloroethane	"	ND	4.96	41.7	"	"	"	"	"	
1,2-Dichloroethane	"	ND	4.67	41.7	"	"	"	"	"	
1,1-Dichloroethene	"	ND	4.96	41.7	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	5.25	41.7	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	3.74	41.7	"	"	"	"	"	
1,2-Dichloropropane	"	ND	3.10	41.7	"	"	"	"	"	
1,3-Dichloropropane	"	ND	7.25	41.7	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.37	41.7	"	"	"	"	"	
1,1-Dichloropropene	"	ND	4.54	41.7	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	2.06	41.7	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	3.45	41.7	"	"	"	"	"	
Ethylbenzene	"	ND	3.92	41.7	"	"	"	"	"	
Hexachlorobutadiene	"	ND	28.9	167	"	"	"	"	"	
2-Hexanone	"	ND	23.8	417	"	"	"	"	"	
Isopropylbenzene	"	ND	3.98	83.3	"	"	"	"	"	
p-Isopropyltoluene	"	ND	4.03	83.3	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*

Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-13 (17125-B7S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 15:10</b>					
4-Methyl-2-pentanone	EPA 8260B	ND	48.7	208	ug/kg dry	1x	7060794	06/19/07 12:25	06/20/07 12:28	
Methyl tert-butyl ether	"	ND	4.96	41.7	"	"	"	"	"	
Methylene chloride	"	ND	104	208	"	"	"	"	"	
Naphthalene	"	ND	5.87	83.3	"	"	"	"	"	
n-Propylbenzene	"	ND	4.12	41.7	"	"	"	"	"	
Styrene	"	ND	3.70	41.7	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	3.85	41.7	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	8.79	41.7	"	"	"	"	"	
Tetrachloroethene	"	ND	7.04	41.7	"	"	"	"	"	
Toluene	"	ND	2.62	41.7	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	7.04	41.7	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	8.91	41.7	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.55	41.7	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	7.54	41.7	"	"	"	"	"	
Trichloroethene	"	ND	5.00	41.7	"	"	"	"	"	
Trichlorofluoromethane	"	ND	3.74	41.7	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	20.5	41.7	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	2.81	41.7	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	3.89	41.7	"	"	"	"	"	
Vinyl chloride	"	ND	2.39	41.7	"	"	"	"	"	
o-Xylene	"	ND	4.83	41.7	"	"	"	"	"	
m,p-Xylene	"	ND	4.75	83.3	"	"	"	"	"	
Surrogate(s):	4-BFB		100%		75 - 125 %	0.01x				"
	1,2-DCA-d4		94.8%		75 - 125 %	"				"
	Dibromofluoromethane		92.6%		75 - 125 %	"				"
	Toluene-d8		103%		75 - 125 %	"				"

<b>AQF0081-14 (17125-B7S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 15:20</b>					
Acetone	EPA 8260B	ND	63.0	1090	ug/kg dry	1x	7060794	06/19/07 12:25	06/20/07 13:51	
Benzene	"	ND	1.94	8.75	"	"	"	"	"	
Bromobenzene	"	ND	5.34	43.8	"	"	"	"	"	
Bromochloromethane	"	ND	7.18	43.8	"	"	"	"	"	
Bromodichloromethane	"	ND	4.46	43.8	"	"	"	"	"	
Bromoform	"	ND	6.91	43.8	"	"	"	"	"	
Bromomethane	"	ND	2.23	219	"	"	"	"	"	
2-Butanone (MEK)	"	ND	64.8	438	"	"	"	"	"	
n-Butylbenzene	"	ND	4.94	219	"	"	"	"	"	
sec-Butylbenzene	"	ND	3.26	43.8	"	"	"	"	"	
tert-Butylbenzene	"	ND	6.65	43.8	"	"	"	"	"	
Carbon disulfide	"	ND	3.15	438	"	"	"	"	"	
Carbon tetrachloride	"	ND	3.34	43.8	"	"	"	"	"	
Chlorobenzene	"	ND	3.54	43.8	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-14 (17125-B7S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 15:20</b>					
Chloroethane	EPA 8260B	ND	4.68	43.8	ug/kg dry	1x	7060794	06/19/07 12:25	06/20/07 13:51	
Chloroform	"	ND	3.18	43.8	"	"	"	"	"	
Chloromethane	"	ND	2.94	219	"	"	"	"	"	
2-Chlorotoluene	"	ND	4.81	43.8	"	"	"	"	"	
4-Chlorotoluene	"	ND	4.55	43.8	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	11.4	219	"	"	"	"	"	
Dibromochloromethane	"	ND	4.90	43.8	"	"	"	"	"	
1,2-Dibromoethane	"	ND	5.08	43.8	"	"	"	"	"	
Dibromomethane	"	ND	6.43	43.8	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	6.30	43.8	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	2.56	43.8	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	6.52	43.8	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	5.16	219	"	"	"	"	"	
1,1-Dichloroethane	"	ND	5.21	43.8	"	"	"	"	"	
1,2-Dichloroethane	"	ND	4.90	43.8	"	"	"	"	"	
1,1-Dichloroethene	"	ND	5.21	43.8	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	5.51	43.8	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	3.93	43.8	"	"	"	"	"	
1,2-Dichloropropane	"	ND	3.26	43.8	"	"	"	"	"	
1,3-Dichloropropane	"	ND	7.61	43.8	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.54	43.8	"	"	"	"	"	
1,1-Dichloropropene	"	ND	4.77	43.8	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	2.17	43.8	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	3.63	43.8	"	"	"	"	"	
Ethylbenzene	"	ND	4.11	43.8	"	"	"	"	"	
Hexachlorobutadiene	"	ND	30.4	175	"	"	"	"	"	
2-Hexanone	"	ND	25.0	438	"	"	"	"	"	
Isopropylbenzene	"	ND	4.18	87.5	"	"	"	"	"	
p-Isopropyltoluene	"	ND	4.24	87.5	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	51.2	219	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	5.21	43.8	"	"	"	"	"	
Methylene chloride	"	ND	109	219	"	"	"	"	"	
Naphthalene	"	ND	6.17	87.5	"	"	"	"	"	
n-Propylbenzene	"	ND	4.33	43.8	"	"	"	"	"	
Styrene	"	ND	3.89	43.8	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	4.05	43.8	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	9.23	43.8	"	"	"	"	"	
Tetrachloroethene	"	ND	7.40	43.8	"	"	"	"	"	
Toluene	"	ND	2.75	43.8	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	7.40	43.8	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	9.36	43.8	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.68	43.8	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	7.92	43.8	"	"	"	"	"	

TestAmerica - Anchorage, AK

*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.*

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-14 (17125-B7S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 15:20</b>					
Trichloroethene	EPA 8260B	ND	5.25	43.8	ug/kg dry	1x	7060794	06/19/07 12:25	06/20/07 13:51	
Trichlorofluoromethane	"	ND	3.93	43.8	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	21.5	43.8	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	2.95	43.8	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	4.08	43.8	"	"	"	"	"	
Vinyl chloride	"	ND	2.51	43.8	"	"	"	"	"	
o-Xylene	"	ND	5.08	43.8	"	"	"	"	"	
m,p-Xylene	"	ND	4.99	87.5	"	"	"	"	"	
Surrogate(s):	4-BFB		98.1%		75 - 125 %	0.01x				"
	1,2-DCA-d4		96.5%		75 - 125 %	"				"
	Dibromofluoromethane		92.0%		75 - 125 %	"				"
	Toluene-d8		102%		75 - 125 %	"				"
<b>AQF0081-15 (17125-B8S1)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 12:45</b>					
Acetone	EPA 8260B	ND	60.5	1050	ug/kg dry	1x	7060794	06/19/07 12:25	06/20/07 14:19	
Benzene	"	ND	1.86	8.40	"	"	"	"	"	
Bromobenzene	"	ND	5.12	42.0	"	"	"	"	"	
Bromochloromethane	"	ND	6.89	42.0	"	"	"	"	"	
Bromodichloromethane	"	ND	4.28	42.0	"	"	"	"	"	
Bromoform	"	ND	6.63	42.0	"	"	"	"	"	
Bromomethane	"	ND	2.14	210	"	"	"	"	"	
2-Butanone (MEK)	"	ND	62.1	420	"	"	"	"	"	
n-Butylbenzene	"	ND	4.75	210	"	"	"	"	"	
sec-Butylbenzene	"	ND	3.13	42.0	"	"	"	"	"	
tert-Butylbenzene	"	ND	6.38	42.0	"	"	"	"	"	
Carbon disulfide	"	ND	3.02	420	"	"	"	"	"	
Carbon tetrachloride	"	ND	3.21	42.0	"	"	"	"	"	
Chlorobenzene	"	ND	3.40	42.0	"	"	"	"	"	
Chloroethane	"	ND	4.49	42.0	"	"	"	"	"	
Chloroform	"	ND	3.05	42.0	"	"	"	"	"	
Chloromethane	"	ND	2.82	210	"	"	"	"	"	
2-Chlorotoluene	"	ND	4.62	42.0	"	"	"	"	"	
4-Chlorotoluene	"	ND	4.37	42.0	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	10.9	210	"	"	"	"	"	
Dibromochloromethane	"	ND	4.70	42.0	"	"	"	"	"	
1,2-Dibromoethane	"	ND	4.87	42.0	"	"	"	"	"	
Dibromomethane	"	ND	6.17	42.0	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	6.05	42.0	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	2.46	42.0	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	6.26	42.0	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	4.96	210	"	"	"	"	"	
1,1-Dichloroethane	"	ND	5.00	42.0	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*

Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-15 (17125-B8S1)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 12:45</b>					
1,2-Dichloroethane	EPA 8260B	ND	4.70	42.0	ug/kg dry	1x	7060794	06/19/07 12:25	06/20/07 14:19	
1,1-Dichloroethane	"	ND	5.00	42.0	"	"	"	"	"	
cis-1,2-Dichloroethane	"	ND	5.29	42.0	"	"	"	"	"	
trans-1,2-Dichloroethane	"	ND	3.77	42.0	"	"	"	"	"	
1,2-Dichloropropane	"	ND	3.13	42.0	"	"	"	"	"	
1,3-Dichloropropane	"	ND	7.31	42.0	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.40	42.0	"	"	"	"	"	
1,1-Dichloropropene	"	ND	4.58	42.0	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	2.08	42.0	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	3.48	42.0	"	"	"	"	"	
Ethylbenzene	"	ND	3.95	42.0	"	"	"	"	"	
Hexachlorobutadiene	"	ND	29.1	168	"	"	"	"	"	
2-Hexanone	"	ND	24.0	420	"	"	"	"	"	
Isopropylbenzene	"	ND	4.01	84.0	"	"	"	"	"	
p-Isopropyltoluene	"	ND	4.06	84.0	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	49.1	210	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	5.00	42.0	"	"	"	"	"	
Methylene chloride	"	ND	105	210	"	"	"	"	"	
Naphthalene	"	ND	5.92	84.0	"	"	"	"	"	
n-Propylbenzene	"	ND	4.15	42.0	"	"	"	"	"	
Styrene	"	ND	3.73	42.0	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	3.88	42.0	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	8.86	42.0	"	"	"	"	"	
Tetrachloroethene	"	ND	7.10	42.0	"	"	"	"	"	
Toluene	"	ND	2.64	42.0	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	7.10	42.0	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	8.99	42.0	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.57	42.0	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	7.60	42.0	"	"	"	"	"	
Trichloroethene	"	ND	5.04	42.0	"	"	"	"	"	
Trichlorofluoromethane	"	ND	3.77	42.0	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	20.7	42.0	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	2.83	42.0	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	3.92	42.0	"	"	"	"	"	
Vinyl chloride	"	ND	2.41	42.0	"	"	"	"	"	
o-Xylene	"	ND	4.87	42.0	"	"	"	"	"	
m,p-Xylene	"	ND	4.79	84.0	"	"	"	"	"	
Surrogate(s):	4-BFB		91.3%		75 - 125 %	0.01x				"
	1,2-DCA-d4		95.7%		75 - 125 %	"				"
	Dibromofluoromethane		90.8%		75 - 125 %	"				"
	Toluene-d8		101%		75 - 125 %	"				"

TestAmerica - Anchorage, AK

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*RJ*

Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b>	Project Name: <b>N. Stika &amp; Spar</b>	Report Created:
5430 Fairbanks Street, Suite 3	Project Number: 32-1-1715	07/12/07 09:04
Anchorage, AK/USA 99518	Project Manager: Jessica Busey	

**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-16 (17125-B8S2)</b>		<b>Soil</b>		<b>Sampled: 06/15/07 12:50</b>						
Acetone	EPA 8260B	ND	53.9	935	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 14:46	
Benzene	"	ND	1.66	7.48	"	"	"	"	"	
Bromobenzene	"	ND	4.56	37.4	"	"	"	"	"	
Bromochloromethane	"	ND	6.14	37.4	"	"	"	"	"	
Bromodichloromethane	"	ND	3.82	37.4	"	"	"	"	"	
Bromoform	"	ND	5.91	37.4	"	"	"	"	"	
Bromomethane	"	ND	1.90	187	"	"	"	"	"	
2-Butanone (MEK)	"	ND	55.4	374	"	"	"	"	"	
n-Butylbenzene	"	ND	4.23	187	"	"	"	"	"	
sec-Butylbenzene	"	ND	2.79	37.4	"	"	"	"	"	
tert-Butylbenzene	"	ND	5.69	37.4	"	"	"	"	"	
Carbon disulfide	"	ND	2.69	374	"	"	"	"	"	
Carbon tetrachloride	"	ND	2.86	37.4	"	"	"	"	"	
Chlorobenzene	"	ND	3.03	37.4	"	"	"	"	"	
Chloroethane	"	ND	4.00	37.4	"	"	"	"	"	
Chloroform	"	ND	2.72	37.4	"	"	"	"	"	
Chloromethane	"	ND	2.51	187	"	"	"	"	"	
2-Chlorotoluene	"	ND	4.12	37.4	"	"	"	"	"	
4-Chlorotoluene	"	ND	3.89	37.4	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	9.73	187	"	"	"	"	"	
Dibromochloromethane	"	ND	4.19	37.4	"	"	"	"	"	
1,2-Dibromoethane	"	ND	4.34	37.4	"	"	"	"	"	
Dibromomethane	"	ND	5.50	37.4	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	5.39	37.4	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	2.19	37.4	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	5.57	37.4	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	4.41	187	"	"	"	"	"	
1,1-Dichloroethane	"	ND	4.45	37.4	"	"	"	"	"	
1,2-Dichloroethane	"	ND	4.19	37.4	"	"	"	"	"	
1,1-Dichloroethene	"	ND	4.45	37.4	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	4.71	37.4	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	3.36	37.4	"	"	"	"	"	
1,2-Dichloropropane	"	ND	2.79	37.4	"	"	"	"	"	
1,3-Dichloropropane	"	ND	6.51	37.4	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.03	37.4	"	"	"	"	"	
1,1-Dichloropropene	"	ND	4.08	37.4	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	1.85	37.4	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	3.10	37.4	"	"	"	"	"	
Ethylbenzene	"	ND	3.52	37.4	"	"	"	"	"	
Hexachlorobutadiene	"	ND	26.0	150	"	"	"	"	"	
2-Hexanone	"	ND	21.4	374	"	"	"	"	"	
Isopropylbenzene	"	ND	3.57	74.8	"	"	"	"	"	
p-Isopropyltoluene	"	ND	3.62	74.8	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*

Rachel J James For Troy J. Engstrom, Manager





<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-16 (17125-B8S2)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 12:50</b>					
4-Methyl-2-pentanone	EPA 8260B	ND	43.8	187	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 14:46	
Methyl tert-butyl ether	"	ND	4.45	37.4	"	"	"	"	"	
Methylene chloride	"	ND	93.5	187	"	"	"	"	"	
Naphthalene	"	ND	5.27	74.8	"	"	"	"	"	
n-Propylbenzene	"	ND	3.70	37.4	"	"	"	"	"	
Styrene	"	ND	3.33	37.4	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	3.46	37.4	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	7.89	37.4	"	"	"	"	"	
Tetrachloroethene	"	ND	6.32	37.4	"	"	"	"	"	
Toluene	"	ND	2.35	37.4	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	6.32	37.4	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	8.01	37.4	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.29	37.4	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	6.77	37.4	"	"	"	"	"	
Trichloroethene	"	ND	4.49	37.4	"	"	"	"	"	
Trichlorofluoromethane	"	ND	3.36	37.4	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	18.4	37.4	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	2.53	37.4	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	3.49	37.4	"	"	"	"	"	
Vinyl chloride	"	ND	2.15	37.4	"	"	"	"	"	
o-Xylene	"	ND	4.34	37.4	"	"	"	"	"	
m,p-Xylene	"	ND	4.26	74.8	"	"	"	"	"	

<i>Surrogate(s):</i>	<i>4-BFB</i>	<i>96.3%</i>	<i>75 - 125 %</i>	<i>0.01x</i>	<i>"</i>
	<i>1,2-DCA-d4</i>	<i>95.6%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>
	<i>Dibromofluoromethane</i>	<i>90.0%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>
	<i>Toluene-d8</i>	<i>102%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>

<b>AQF0081-17 (17125-B9S1)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 12:15</b>					
Acetone	EPA 8260B	ND	42.0	730	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 15:13	
Benzene	"	ND	1.30	5.84	"	"	"	"	"	
Bromobenzene	"	ND	3.56	29.2	"	"	"	"	"	
Bromochloromethane	"	ND	4.79	29.2	"	"	"	"	"	
Bromodichloromethane	"	ND	2.98	29.2	"	"	"	"	"	
Bromoform	"	ND	4.61	29.2	"	"	"	"	"	
Bromomethane	"	ND	1.49	146	"	"	"	"	"	
2-Butanone (MEK)	"	ND	43.2	292	"	"	"	"	"	
n-Butylbenzene	"	ND	3.30	146	"	"	"	"	"	
sec-Butylbenzene	"	ND	2.18	29.2	"	"	"	"	"	
tert-Butylbenzene	"	ND	4.44	29.2	"	"	"	"	"	
Carbon disulfide	"	ND	2.10	292	"	"	"	"	"	
Carbon tetrachloride	"	ND	2.23	29.2	"	"	"	"	"	
Chlorobenzene	"	ND	2.36	29.2	"	"	"	"	"	

TestAmerica - Anchorage, AK

*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.*

*RJ*

Rachel J James For Troy J. Engstrom, Manager




<b>Shannon &amp; Wilson, INC.</b>	Project Name: <b>N. Stika &amp; Spar</b>	Report Created:
5430 Fairbanks Street, Suite 3	Project Number: 32-1-1715	07/12/07 09:04
Anchorage, AK/USA 99518	Project Manager: Jessica Busey	

**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-17 (17125-B9S1)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 12:15</b>					
Chloroethane	EPA 8260B	ND	3.12	29.2	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 15:13	
Chloroform	"	ND	2.12	29.2	"	"	"	"	"	
Chloromethane	"	ND	1.96	146	"	"	"	"	"	
2-Chlorotoluene	"	ND	3.21	29.2	"	"	"	"	"	
4-Chlorotoluene	"	ND	3.04	29.2	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	7.59	146	"	"	"	"	"	
Dibromochloromethane	"	ND	3.27	29.2	"	"	"	"	"	
1,2-Dibromoethane	"	ND	3.39	29.2	"	"	"	"	"	
Dibromomethane	"	ND	4.29	29.2	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	4.20	29.2	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	1.71	29.2	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	4.35	29.2	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	3.45	146	"	"	"	"	"	
1,1-Dichloroethane	"	ND	3.47	29.2	"	"	"	"	"	
1,2-Dichloroethane	"	ND	3.27	29.2	"	"	"	"	"	
1,1-Dichloroethene	"	ND	3.47	29.2	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	3.68	29.2	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	2.62	29.2	"	"	"	"	"	
1,2-Dichloropropane	"	ND	2.18	29.2	"	"	"	"	"	
1,3-Dichloropropane	"	ND	5.08	29.2	"	"	"	"	"	
2,2-Dichloropropane	"	ND	2.36	29.2	"	"	"	"	"	
1,1-Dichloropropene	"	ND	3.18	29.2	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	1.45	29.2	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	2.42	29.2	"	"	"	"	"	
Ethylbenzene	"	ND	2.74	29.2	"	"	"	"	"	
Hexachlorobutadiene	"	ND	20.3	117	"	"	"	"	"	
2-Hexanone	"	ND	16.7	292	"	"	"	"	"	
Isopropylbenzene	"	ND	2.79	58.4	"	"	"	"	"	
p-Isopropyltoluene	"	ND	2.83	58.4	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	34.2	146	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	3.47	29.2	"	"	"	"	"	
Methylene chloride	"	ND	73.0	146	"	"	"	"	"	
Naphthalene	"	ND	4.12	58.4	"	"	"	"	"	
n-Propylbenzene	"	ND	2.89	29.2	"	"	"	"	"	
Styrene	"	ND	2.60	29.2	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	2.70	29.2	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	6.16	29.2	"	"	"	"	"	
Tetrachloroethene	"	ND	4.93	29.2	"	"	"	"	"	
<b>Toluene</b>	"	<b>4.38</b>	<b>1.84</b>	29.2	"	"	"	"	"	J
1,2,3-Trichlorobenzene	"	ND	4.93	29.2	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	6.25	29.2	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	1.79	29.2	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	5.29	29.2	"	"	"	"	"	

TestAmerica - Anchorage, AK

*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.*

  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-17 (17125-B9S1)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 12:15</b>					
Trichloroethene	EPA 8260B	9.05	3.50	29.2	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 15:13	J
Trichlorofluoromethane	"	ND	2.62	29.2	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	14.4	29.2	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	1.97	29.2	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	2.72	29.2	"	"	"	"	"	"
Vinyl chloride	"	ND	1.68	29.2	"	"	"	"	"	"
o-Xylene	"	ND	3.39	29.2	"	"	"	"	"	"
m,p-Xylene	"	ND	3.33	58.4	"	"	"	"	"	"
Surrogate(s):	4-BFB		96.2%		75 - 125 %	0.01x				"
	1,2-DCA-d4		97.7%		75 - 125 %	"				"
	Dibromofluoromethane		91.9%		75 - 125 %	"				"
	Toluene-d8		103%		75 - 125 %	"				"

<b>AQF0081-18 (17125-B9S2)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 12:20</b>					
Acetone	EPA 8260B	ND	69.9	1210	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 15:41	
Benzene	"	ND	2.16	9.71	"	"	"	"	"	
Bromobenzene	"	ND	5.92	48.5	"	"	"	"	"	
Bromochloromethane	"	ND	7.96	48.5	"	"	"	"	"	
Bromodichloromethane	"	ND	4.95	48.5	"	"	"	"	"	
Bromoform	"	ND	7.67	48.5	"	"	"	"	"	
Bromomethane	"	ND	2.47	243	"	"	"	"	"	
2-Butanone (MEK)	"	ND	71.8	485	"	"	"	"	"	
n-Butylbenzene	"	ND	5.49	243	"	"	"	"	"	
sec-Butylbenzene	"	ND	3.62	48.5	"	"	"	"	"	
tert-Butylbenzene	"	ND	7.38	48.5	"	"	"	"	"	
Carbon disulfide	"	ND	3.49	485	"	"	"	"	"	
Carbon tetrachloride	"	ND	3.71	48.5	"	"	"	"	"	
Chlorobenzene	"	ND	3.93	48.5	"	"	"	"	"	
Chloroethane	"	ND	5.19	48.5	"	"	"	"	"	
Chloroform	"	ND	3.52	48.5	"	"	"	"	"	
Chloromethane	"	ND	3.26	243	"	"	"	"	"	
2-Chlorotoluene	"	ND	5.34	48.5	"	"	"	"	"	
4-Chlorotoluene	"	ND	5.05	48.5	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	12.6	243	"	"	"	"	"	
Dibromochloromethane	"	ND	5.44	48.5	"	"	"	"	"	
1,2-Dibromoethane	"	ND	5.63	48.5	"	"	"	"	"	
Dibromomethane	"	ND	7.14	48.5	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	6.99	48.5	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	2.84	48.5	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	7.23	48.5	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	5.73	243	"	"	"	"	"	
1,1-Dichloroethane	"	ND	5.78	48.5	"	"	"	"	"	

TestAmerica - Anchorage, AK

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.

  
 Rachel J. James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-18 (17125-B9S2)</b>										
		<b>Soil</b>					<b>Sampled: 06/15/07 12:20</b>			
1,2-Dichloroethane	EPA 8260B	ND	5.44	48.5	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 15:41	
1,1-Dichloroethane	"	ND	5.78	48.5	"	"	"	"	"	
cis-1,2-Dichloroethane	"	ND	6.12	48.5	"	"	"	"	"	
trans-1,2-Dichloroethane	"	ND	4.35	48.5	"	"	"	"	"	
1,2-Dichloropropane	"	ND	3.62	48.5	"	"	"	"	"	
1,3-Dichloropropane	"	ND	8.45	48.5	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.93	48.5	"	"	"	"	"	
1,1-Dichloropropene	"	ND	5.29	48.5	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	2.40	48.5	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	4.02	48.5	"	"	"	"	"	
Ethylbenzene	"	ND	4.56	48.5	"	"	"	"	"	
Hexachlorobutadiene	"	ND	33.7	194	"	"	"	"	"	
2-Hexanone	"	ND	27.8	485	"	"	"	"	"	
Isopropylbenzene	"	ND	4.64	97.1	"	"	"	"	"	
p-Isopropyltoluene	"	ND	4.70	97.1	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	56.8	243	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	5.78	48.5	"	"	"	"	"	
Methylene chloride	"	ND	121	243	"	"	"	"	"	
Naphthalene	"	ND	6.84	97.1	"	"	"	"	"	
n-Propylbenzene	"	ND	4.80	48.5	"	"	"	"	"	
Styrene	"	ND	4.32	48.5	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	4.49	48.5	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	10.2	48.5	"	"	"	"	"	
Tetrachloroethene	"	ND	8.20	48.5	"	"	"	"	"	
Toluene	"	ND	3.05	48.5	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	8.20	48.5	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	10.4	48.5	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.98	48.5	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	8.79	48.5	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>8.25</b>	5.82	48.5	"	"	"	"	"	J
Trichlorofluoromethane	"	ND	4.35	48.5	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	23.9	48.5	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	3.28	48.5	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	4.53	48.5	"	"	"	"	"	
Vinyl chloride	"	ND	2.79	48.5	"	"	"	"	"	
o-Xylene	"	ND	5.63	48.5	"	"	"	"	"	
m,p-Xylene	"	ND	5.53	97.1	"	"	"	"	"	
<i>Surrogate(s): 4-BFB</i>			95.4%			75 - 125 %	0.01x			"
<i>1,2-DCA-d4</i>			97.8%			75 - 125 %	"			"
<i>Dibromofluoromethane</i>			91.4%			75 - 125 %	"			"
<i>Toluene-d8</i>			101%			75 - 125 %	"			"

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-19 (17125-B10S1)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 10:15</b>					
Acetone	EPA 8260B	ND	5.7	950	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 16:08	
Benzene	"	ND	1.69	7.60	"	"	"	"	"	
Bromobenzene	"	ND	4.64	38.0	"	"	"	"	"	
Bromochloromethane	"	ND	6.23	38.0	"	"	"	"	"	
Bromodichloromethane	"	ND	3.88	38.0	"	"	"	"	"	
Bromoform	"	ND	6.00	38.0	"	"	"	"	"	
Bromomethane	"	ND	1.93	190	"	"	"	"	"	
2-Butanone (MEK)	"	ND	56.2	380	"	"	"	"	"	
n-Butylbenzene	"	ND	4.29	190	"	"	"	"	"	
sec-Butylbenzene	"	ND	2.83	38.0	"	"	"	"	"	
tert-Butylbenzene	"	ND	5.77	38.0	"	"	"	"	"	
Carbon disulfide	"	ND	2.73	380	"	"	"	"	"	
Carbon tetrachloride	"	ND	2.90	38.0	"	"	"	"	"	
Chlorobenzene	"	ND	3.07	38.0	"	"	"	"	"	
Chloroethane	"	ND	4.07	38.0	"	"	"	"	"	
Chloroform	"	ND	2.76	38.0	"	"	"	"	"	
Chloromethane	"	ND	2.55	190	"	"	"	"	"	
2-Chlorotoluene	"	ND	4.18	38.0	"	"	"	"	"	
4-Chlorotoluene	"	ND	3.95	38.0	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	9.88	190	"	"	"	"	"	
Dibromochloromethane	"	ND	4.26	38.0	"	"	"	"	"	
1,2-Dibromoethane	"	ND	4.41	38.0	"	"	"	"	"	
Dibromomethane	"	ND	5.58	38.0	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	5.47	38.0	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	2.23	38.0	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	5.66	38.0	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	4.48	190	"	"	"	"	"	
1,1-Dichloroethane	"	ND	4.52	38.0	"	"	"	"	"	
1,2-Dichloroethane	"	ND	4.26	38.0	"	"	"	"	"	
1,1-Dichloroethene	"	ND	4.52	38.0	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	4.79	38.0	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	3.41	38.0	"	"	"	"	"	
1,2-Dichloropropane	"	ND	2.83	38.0	"	"	"	"	"	
1,3-Dichloropropane	"	ND	6.61	38.0	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.07	38.0	"	"	"	"	"	
1,1-Dichloropropene	"	ND	4.14	38.0	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	1.88	38.0	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	3.15	38.0	"	"	"	"	"	
Ethylbenzene	"	ND	3.57	38.0	"	"	"	"	"	
Hexachlorobutadiene	"	ND	26.4	152	"	"	"	"	"	
2-Hexanone	"	ND	21.7	380	"	"	"	"	"	
Isopropylbenzene	"	ND	3.63	76.0	"	"	"	"	"	
p-Isopropyltoluene	"	ND	3.68	76.0	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*

Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	<b>Project Name:</b> N. Stika & Spar <b>Project Number:</b> 32-1-1715 <b>Project Manager:</b> Jessica Busey	<b>Report Created:</b> 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-19 (17125-B10S1)</b>		<b>Soil</b>		<b>Sampled: 06/15/07 10:15</b>						
4-Methyl-2-pentanone	EPA 8260B	ND	44.5	190	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 16:08	
Methyl tert-butyl ether	"	ND	4.52	38.0	"	"	"	"	"	
Methylene chloride	"	ND	95.0	190	"	"	"	"	"	
Naphthalene	"	ND	5.36	76.0	"	"	"	"	"	
n-Propylbenzene	"	ND	3.76	38.0	"	"	"	"	"	
Styrene	"	ND	3.38	38.0	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	3.51	38.0	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	8.02	38.0	"	"	"	"	"	
Tetrachloroethane	"	ND	6.42	38.0	"	"	"	"	"	
Toluene	"	ND	2.39	38.0	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	6.42	38.0	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	8.13	38.0	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.33	38.0	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	6.88	38.0	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>28.1</b>	4.56	38.0	"	"	"	"	"	J
Trichlorofluoromethane	"	ND	3.41	38.0	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	18.7	38.0	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	2.56	38.0	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	3.54	38.0	"	"	"	"	"	
Vinyl chloride	"	ND	2.18	38.0	"	"	"	"	"	
o-Xylene	"	ND	4.41	38.0	"	"	"	"	"	
m,p-Xylene	"	ND	4.33	76.0	"	"	"	"	"	
<i>Surrogate(s): 4-BFB</i>			95.5%			75 - 125 %	0.01x			
<i>1,2-DCA-d4</i>			97.8%			75 - 125 %	"			
<i>Dibromofluoromethane</i>			91.4%			75 - 125 %	"			
<i>Toluene-d8</i>			101%			75 - 125 %	"			

<b>AQF0081-20 (17125-B10S2)</b>		<b>Soil</b>		<b>Sampled: 06/15/07 10:20</b>						
Acetone	EPA 8260B	ND	39.2	681	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 16:36	
Benzene	"	ND	1.21	5.45	"	"	"	"	"	
Bromobenzene	"	ND	3.32	27.2	"	"	"	"	"	
Bromochloromethane	"	ND	4.47	27.2	"	"	"	"	"	
Bromodichloromethane	"	ND	2.78	27.2	"	"	"	"	"	
Bromoform	"	ND	4.30	27.2	"	"	"	"	"	
Bromomethane	"	ND	1.39	136	"	"	"	"	"	
2-Butanone (MEK)	"	ND	40.3	272	"	"	"	"	"	
n-Butylbenzene	"	ND	3.08	136	"	"	"	"	"	
sec-Butylbenzene	"	ND	2.03	27.2	"	"	"	"	"	
tert-Butylbenzene	"	ND	4.14	27.2	"	"	"	"	"	
Carbon disulfide	"	ND	1.96	272	"	"	"	"	"	
Carbon tetrachloride	"	ND	2.08	27.2	"	"	"	"	"	
Chlorobenzene	"	ND	2.20	27.2	"	"	"	"	"	

TestAmerica - Anchorage, AK

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.

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b>	Project Name: <b>N. Stika &amp; Spar</b>	Report Created:
5430 Fairbanks Street, Suite 3	Project Number: 32-1-1715	07/12/07 09:04
Anchorage, AK/USA 99518	Project Manager: Jessica Busey	

**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-20 (17125-B10S2)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 10:20</b>					
Chloroethane	EPA 8260B	ND	2.91	27.2	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 16:36	
Chloroform	"	ND	1.98	27.2	"	"	"	"	"	
Chloromethane	"	ND	1.83	136	"	"	"	"	"	
2-Chlorotoluene	"	ND	3.00	27.2	"	"	"	"	"	
4-Chlorotoluene	"	ND	2.83	27.2	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	7.08	136	"	"	"	"	"	
Dibromochloromethane	"	ND	3.05	27.2	"	"	"	"	"	
1,2-Dibromoethane	"	ND	3.16	27.2	"	"	"	"	"	
Dibromomethane	"	ND	4.00	27.2	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	3.92	27.2	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	1.60	27.2	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	4.06	27.2	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	3.21	136	"	"	"	"	"	
1,1-Dichloroethane	"	ND	3.24	27.2	"	"	"	"	"	
1,2-Dichloroethane	"	ND	3.05	27.2	"	"	"	"	"	
1,1-Dichloroethene	"	ND	3.24	27.2	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	3.43	27.2	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	2.44	27.2	"	"	"	"	"	
1,2-Dichloropropane	"	ND	2.03	27.2	"	"	"	"	"	
1,3-Dichloropropane	"	ND	4.74	27.2	"	"	"	"	"	
2,2-Dichloropropane	"	ND	2.20	27.2	"	"	"	"	"	
1,1-Dichloropropene	"	ND	2.97	27.2	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	1.35	27.2	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	2.26	27.2	"	"	"	"	"	
Ethylbenzene	"	ND	2.56	27.2	"	"	"	"	"	
Hexachlorobutadiene	"	ND	18.9	109	"	"	"	"	"	
2-Hexanone	"	ND	15.6	272	"	"	"	"	"	
Isopropylbenzene	"	ND	2.60	54.5	"	"	"	"	"	
p-Isopropyltoluene	"	ND	2.64	54.5	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	31.9	136	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	3.24	27.2	"	"	"	"	"	
Methylene chloride	"	ND	68.1	136	"	"	"	"	"	
Naphthalene	"	ND	3.84	54.5	"	"	"	"	"	
n-Propylbenzene	"	ND	2.69	27.2	"	"	"	"	"	
Styrene	"	ND	2.42	27.2	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	2.52	27.2	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	5.75	27.2	"	"	"	"	"	
Tetrachloroethene	"	ND	4.60	27.2	"	"	"	"	"	
Toluene	"	ND	1.71	27.2	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	4.60	27.2	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	5.83	27.2	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	1.67	27.2	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	4.93	27.2	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*

Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-20 (17125-B10S2)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 10:20</b>					
Trichloroethene	EPA 8260B	45.5	3.27	27.2	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 16:36	
Trichlorofluoromethane	"	ND	2.44	27.2	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	13.4	27.2	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	1.84	27.2	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	2.54	27.2	"	"	"	"	"	
Vinyl chloride	"	ND	1.56	27.2	"	"	"	"	"	
o-Xylene	"	ND	3.16	27.2	"	"	"	"	"	
m,p-Xylene	"	ND	3.10	54.5	"	"	"	"	"	
Surrogate(s):	4-BFB		91.1%		75 - 125 %	0.01x				"
	1,2-DCA-d4		99.8%		75 - 125 %	"				"
	Dibromofluoromethane		90.9%		75 - 125 %	"				"
	Toluene-d8		100%		75 - 125 %	"				"
<b>AQF0081-21 (17125-B10S4)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 10:25</b>					
Acetone	EPA 8260B	ND	84.5	1470	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 17:03	
Benzene	"	ND	2.61	11.7	"	"	"	"	"	
Bromobenzene	"	ND	7.16	58.7	"	"	"	"	"	
Bromochloromethane	"	ND	9.63	58.7	"	"	"	"	"	
Bromodichloromethane	"	ND	5.99	58.7	"	"	"	"	"	
Bromoform	"	ND	9.28	58.7	"	"	"	"	"	
Bromomethane	"	ND	2.99	294	"	"	"	"	"	
2-Butanone (MEK)	"	ND	86.9	58.7	"	"	"	"	"	
n-Butylbenzene	"	ND	6.63	294	"	"	"	"	"	
sec-Butylbenzene	"	ND	4.37	58.7	"	"	"	"	"	
tert-Butylbenzene	"	ND	8.92	58.7	"	"	"	"	"	
Carbon disulfide	"	ND	4.22	58.7	"	"	"	"	"	
Carbon tetrachloride	"	ND	4.49	58.7	"	"	"	"	"	
Chlorobenzene	"	ND	4.75	58.7	"	"	"	"	"	
Chloroethane	"	ND	6.28	58.7	"	"	"	"	"	
Chloroform	"	ND	4.26	58.7	"	"	"	"	"	
Chloromethane	"	ND	3.94	294	"	"	"	"	"	
2-Chlorotoluene	"	ND	6.46	58.7	"	"	"	"	"	
4-Chlorotoluene	"	ND	6.11	58.7	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	15.3	294	"	"	"	"	"	
Dibromochloromethane	"	ND	6.57	58.7	"	"	"	"	"	
1,2-Dibromoethane	"	ND	6.81	58.7	"	"	"	"	"	
Dibromomethane	"	ND	8.63	58.7	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	8.45	58.7	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	3.44	58.7	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	8.75	58.7	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	6.93	294	"	"	"	"	"	
1,1-Dichloroethane	"	ND	6.99	58.7	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager





<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-21 (17125-B10S4)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 10:25</b>					
1,2-Dichloroethane	EPA 8260B	ND	6.57	58.7	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 17:03	
1,1-Dichloroethane	"	ND	6.99	58.7	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	7.40	58.7	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	5.27	58.7	"	"	"	"	"	
1,2-Dichloropropane	"	ND	4.37	58.7	"	"	"	"	"	
1,3-Dichloropropane	"	ND	10.2	58.7	"	"	"	"	"	
2,2-Dichloropropane	"	ND	4.75	58.7	"	"	"	"	"	
1,1-Dichloropropene	"	ND	6.40	58.7	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	2.91	58.7	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	4.87	58.7	"	"	"	"	"	
Ethylbenzene	"	ND	5.52	58.7	"	"	"	"	"	
Hexachlorobutadiene	"	ND	40.7	235	"	"	"	"	"	
2-Hexanone	"	ND	33.6	58.7	"	"	"	"	"	
Isopropylbenzene	"	ND	5.61	117	"	"	"	"	"	
p-Isopropyltoluene	"	ND	5.68	117	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	68.7	294	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	6.99	58.7	"	"	"	"	"	
Methylene chloride	"	ND	147	294	"	"	"	"	"	
Naphthalene	"	ND	8.28	117	"	"	"	"	"	
n-Propylbenzene	"	ND	5.81	58.7	"	"	"	"	"	
Styrene	"	ND	5.22	58.7	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	5.43	58.7	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	12.4	58.7	"	"	"	"	"	
Tetrachloroethene	"	ND	9.92	58.7	"	"	"	"	"	
Toluene	"	ND	3.69	58.7	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	9.92	58.7	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	12.6	58.7	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	3.60	58.7	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	10.6	58.7	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>62.8</b>	7.04	58.7	"	"	"	"	"	
Trichlorofluoromethane	"	ND	5.27	58.7	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	28.9	58.7	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	3.96	58.7	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	5.48	58.7	"	"	"	"	"	
Vinyl chloride	"	ND	3.37	58.7	"	"	"	"	"	
o-Xylene	"	ND	6.81	58.7	"	"	"	"	"	
m,p-Xylene	"	ND	6.69	117	"	"	"	"	"	
<i>Surrogate(s):</i>										
<i>4-BFB</i>			93.5%			75 - 125 %	0.01x			"
<i>1,2-DCA-d4</i>			102%			75 - 125 %	"			"
<i>Dibromofluoromethane</i>			93.9%			75 - 125 %	"			"
<i>Toluene-d8</i>			102%			75 - 125 %	"			"

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-22 (17125-B11S1)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 09:15</b>					
Acetone	EPA 8260B	ND	66.8	1160	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 17:31	
Benzene	"	ND	2.06	9.28	"	"	"	"	"	
Bromobenzene	"	ND	5.66	46.4	"	"	"	"	"	
Bromochloromethane	"	ND	7.61	46.4	"	"	"	"	"	
Bromodichloromethane	"	ND	4.73	46.4	"	"	"	"	"	
Bromoform	"	ND	7.33	46.4	"	"	"	"	"	
Bromomethane	"	ND	2.36	232	"	"	"	"	"	
2-Butanone (MEK)	"	ND	68.6	464	"	"	"	"	"	
n-Butylbenzene	"	ND	5.24	232	"	"	"	"	"	
sec-Butylbenzene	"	ND	3.46	46.4	"	"	"	"	"	
tert-Butylbenzene	"	ND	7.05	46.4	"	"	"	"	"	
Carbon disulfide	"	ND	3.33	464	"	"	"	"	"	
Carbon tetrachloride	"	ND	3.54	46.4	"	"	"	"	"	
Chlorobenzene	"	ND	3.75	46.4	"	"	"	"	"	
Chloroethane	"	ND	4.96	46.4	"	"	"	"	"	
Chloroform	"	ND	3.37	46.4	"	"	"	"	"	
Chloromethane	"	ND	3.12	232	"	"	"	"	"	
2-Chlorotoluene	"	ND	5.10	46.4	"	"	"	"	"	
4-Chlorotoluene	"	ND	4.82	46.4	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	12.1	232	"	"	"	"	"	
Dibromochloromethane	"	ND	5.19	46.4	"	"	"	"	"	
1,2-Dibromoethane	"	ND	5.38	46.4	"	"	"	"	"	
Dibromomethane	"	ND	6.82	46.4	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	6.68	46.4	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	2.72	46.4	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	6.91	46.4	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	5.47	232	"	"	"	"	"	
1,1-Dichloroethane	"	ND	5.52	46.4	"	"	"	"	"	
1,2-Dichloroethane	"	ND	5.19	46.4	"	"	"	"	"	
1,1-Dichloroethene	"	ND	5.52	46.4	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	5.84	46.4	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	4.16	46.4	"	"	"	"	"	
1,2-Dichloropropane	"	ND	3.46	46.4	"	"	"	"	"	
1,3-Dichloropropane	"	ND	8.07	46.4	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.75	46.4	"	"	"	"	"	
1,1-Dichloropropene	"	ND	5.06	46.4	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	2.30	46.4	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	3.85	46.4	"	"	"	"	"	
Ethylbenzene	"	ND	4.36	46.4	"	"	"	"	"	
Hexachlorobutadiene	"	ND	32.2	186	"	"	"	"	"	
2-Hexanone	"	ND	26.5	464	"	"	"	"	"	
Isopropylbenzene	"	ND	4.43	92.8	"	"	"	"	"	
p-Isopropyltoluene	"	ND	4.49	92.8	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Špar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-22 (17125-B11S1)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 09:15</b>					
4-Methyl-2-pentanone	EPA 8260B	ND	54.3	232	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 17:31	
Methyl tert-butyl ether	"	ND	5.52	46.4	"	"	"	"	"	
Methylene chloride	"	ND	116	232	"	"	"	"	"	
Naphthalene	"	ND	6.54	92.8	"	"	"	"	"	
n-Propylbenzene	"	ND	4.59	46.4	"	"	"	"	"	
Styrene	"	ND	4.12	46.4	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	4.29	46.4	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	9.79	46.4	"	"	"	"	"	
Tetrachloroethene	"	ND	7.84	46.4	"	"	"	"	"	
Toluene	"	ND	2.92	46.4	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	7.84	46.4	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	9.93	46.4	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.84	46.4	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	8.40	46.4	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>170</b>	5.57	46.4	"	"	"	"	"	
Trichlorofluoromethane	"	ND	4.16	46.4	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	22.8	46.4	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	3.13	46.4	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	4.33	46.4	"	"	"	"	"	
Vinyl chloride	"	ND	2.66	46.4	"	"	"	"	"	
o-Xylene	"	ND	5.38	46.4	"	"	"	"	"	
m,p-Xylene	"	ND	5.29	92.8	"	"	"	"	"	
<i>Surrogate(s):</i>										
	4-BFB		94.2%		75 - 125 %	0.01x				"
	1,2-DCA-d4		104%		75 - 125 %	"				"
	Dibromofluoromethane		94.4%		75 - 125 %	"				"
	Toluene-d8		101%		75 - 125 %	"				"

<b>AQF0081-23 (17125-B11S2)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 09:20</b>					
Acetone	EPA 8260B	ND	54.6	947	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 17:58	
Benzene	"	ND	1.68	7.58	"	"	"	"	"	
Bromobenzene	"	ND	4.62	37.9	"	"	"	"	"	
Bromochloromethane	"	ND	6.21	37.9	"	"	"	"	"	
Bromodichloromethane	"	ND	3.86	37.9	"	"	"	"	"	
Bromoform	"	ND	5.99	37.9	"	"	"	"	"	
Bromomethane	"	ND	1.93	189	"	"	"	"	"	
2-Butanone (MEK)	"	ND	56.1	379	"	"	"	"	"	
n-Butylbenzene	"	ND	4.28	189	"	"	"	"	"	
sec-Butylbenzene	"	ND	2.82	37.9	"	"	"	"	"	
tert-Butylbenzene	"	ND	5.76	37.9	"	"	"	"	"	
Carbon disulfide	"	ND	2.72	379	"	"	"	"	"	
Carbon tetrachloride	"	ND	2.89	37.9	"	"	"	"	"	
Chlorobenzene	"	ND	3.06	37.9	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-23 (17125-B11S2)</b>		<b>Soil</b>					<b>Sampled: 06/15/07 09:20</b>			
Chloroethane	EPA 8260B	ND	4.05	37.9	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 17:58	
Chloroform	"	ND	2.75	37.9	"	"	"	"	"	
Chloromethane	"	ND	2.55	189	"	"	"	"	"	
2-Chlorotoluene	"	ND	4.17	37.9	"	"	"	"	"	
4-Chlorotoluene	"	ND	3.94	37.9	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	9.85	189	"	"	"	"	"	
Dibromochloromethane	"	ND	4.24	37.9	"	"	"	"	"	
1,2-Dibromoethane	"	ND	4.39	37.9	"	"	"	"	"	
Dibromomethane	"	ND	5.57	37.9	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	5.46	37.9	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	2.22	37.9	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	5.64	37.9	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	4.47	189	"	"	"	"	"	
1,1-Dichloroethane	"	ND	4.51	37.9	"	"	"	"	"	
1,2-Dichloroethane	"	ND	4.24	37.9	"	"	"	"	"	
1,1-Dichloroethene	"	ND	4.51	37.9	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	4.77	37.9	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	3.40	37.9	"	"	"	"	"	
1,2-Dichloropropane	"	ND	2.82	37.9	"	"	"	"	"	
1,3-Dichloropropane	"	ND	6.59	37.9	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.06	37.9	"	"	"	"	"	
1,1-Dichloropropene	"	ND	4.13	37.9	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	1.88	37.9	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	3.14	37.9	"	"	"	"	"	
Ethylbenzene	"	ND	3.56	37.9	"	"	"	"	"	
Hexachlorobutadiene	"	ND	26.3	152	"	"	"	"	"	
2-Hexanone	"	ND	21.7	379	"	"	"	"	"	
Isopropylbenzene	"	ND	3.62	75.8	"	"	"	"	"	
p-Isopropyltoluene	"	ND	3.67	75.8	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	44.3	189	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	4.51	37.9	"	"	"	"	"	
Methylene chloride	"	ND	94.7	189	"	"	"	"	"	
Naphthalene	"	ND	5.34	75.8	"	"	"	"	"	
n-Propylbenzene	"	ND	3.75	37.9	"	"	"	"	"	
Styrene	"	ND	3.37	37.9	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	3.50	37.9	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	7.99	37.9	"	"	"	"	"	
Tetrachloroethene	"	ND	6.40	37.9	"	"	"	"	"	
Toluene	"	ND	2.38	37.9	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	6.40	37.9	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	8.11	37.9	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.32	37.9	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	6.86	37.9	"	"	"	"	"	

TestAmerica - Anchorage, AK

*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.*

*RJ*

Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: <b>32-1-1715</b> Project Manager: <b>Jessica Busey</b>	Report Created: <b>07/12/07 09:04</b>
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-23 (17125-B11S2)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 09:20</b>					
Trichloroethene	EPA 8260B	164	4.55	37.9	ug/kg dry	1x	7060834	06/20/07 11:00	06/20/07 17:58	
Trichlorofluoromethane	"	ND	3.40	37.9	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	18.6	37.9	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	2.56	37.9	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	3.53	37.9	"	"	"	"	"	
Vinyl chloride	"	ND	2.17	37.9	"	"	"	"	"	
o-Xylene	"	ND	4.39	37.9	"	"	"	"	"	
m,p-Xylene	"	ND	4.32	75.8	"	"	"	"	"	
Surrogate(s):	4-BFB		92.9%		75 - 125 %	0.01x				"
	1,2-DCA-d4		105%		75 - 125 %	"				"
	Dibromofluoromethane		95.8%		75 - 125 %	"				"
	Toluene-d8		102%		75 - 125 %	"				"
<b>AQF0081-24 (STBI)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 08:40</b>					
Acetone	EPA 8260B	ND	144	2500	ug/kg wet	1x	7060834	06/20/07 11:00	06/20/07 13:23	
Benzene	"	ND	4.44	20.0	"	"	"	"	"	
Bromobenzene	"	ND	12.2	100	"	"	"	"	"	
Bromochloromethane	"	ND	16.4	100	"	"	"	"	"	
Bromodichloromethane	"	ND	10.2	100	"	"	"	"	"	
Bromoform	"	ND	15.8	100	"	"	"	"	"	
Bromomethane	"	ND	5.09	500	"	"	"	"	"	
2-Butanone (MEK)	"	ND	148	1000	"	"	"	"	"	
n-Butylbenzene	"	ND	11.3	500	"	"	"	"	"	
sec-Butylbenzene	"	ND	7.45	100	"	"	"	"	"	
tert-Butylbenzene	"	ND	15.2	100	"	"	"	"	"	
Carbon disulfide	"	ND	7.19	1000	"	"	"	"	"	
Carbon tetrachloride	"	ND	7.64	100	"	"	"	"	"	
Chlorobenzene	"	ND	8.09	100	"	"	"	"	"	
Chloroethane	"	ND	10.7	100	"	"	"	"	"	
Chloroform	"	ND	7.26	100	"	"	"	"	"	
Chloromethane	"	ND	6.72	500	"	"	"	"	"	
2-Chlorotoluene	"	ND	11.0	100	"	"	"	"	"	
4-Chlorotoluene	"	ND	10.4	100	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	26.0	500	"	"	"	"	"	
Dibromochloromethane	"	ND	11.2	100	"	"	"	"	"	
1,2-Dibromoethane	"	ND	11.6	100	"	"	"	"	"	
Dibromomethane	"	ND	14.7	100	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	14.4	100	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	5.86	100	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	14.9	100	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	11.8	500	"	"	"	"	"	
1,1-Dichloroethane	"	ND	11.9	100	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-24 (STB1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 08:40</b>					
1,2-Dichloroethane	EPA 8260B	ND	11.2	100	ug/kg wet	1x	7060834	06/20/07 11:00	06/20/07 13:23	
1,1-Dichloroethene	"	ND	11.9	100	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	12.6	100	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	8.97	100	"	"	"	"	"	
1,2-Dichloropropane	"	ND	7.45	100	"	"	"	"	"	
1,3-Dichloropropane	"	ND	17.4	100	"	"	"	"	"	
2,2-Dichloropropane	"	ND	8.09	100	"	"	"	"	"	
1,1-Dichloropropene	"	ND	10.9	100	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	4.95	100	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	8.29	100	"	"	"	"	"	
Ethylbenzene	"	ND	9.40	100	"	"	"	"	"	
Hexachlorobutadiene	"	ND	69.4	400	"	"	"	"	"	
2-Hexanone	"	ND	57.2	1000	"	"	"	"	"	
Isopropylbenzene	"	ND	9.55	200	"	"	"	"	"	
p-Isopropyltoluene	"	ND	9.68	200	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	117	500	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	11.9	100	"	"	"	"	"	
Methylene chloride	"	ND	250	500	"	"	"	"	"	
Naphthalene	"	ND	14.1	200	"	"	"	"	"	
n-Propylbenzene	"	ND	9.89	100	"	"	"	"	"	
Styrene	"	ND	8.89	100	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	9.25	100	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	21.1	100	"	"	"	"	"	
Tetrachloroethene	"	ND	16.9	100	"	"	"	"	"	
Toluene	"	ND	6.29	100	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	16.9	100	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	21.4	100	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	6.13	100	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	18.1	100	"	"	"	"	"	
Trichloroethene	"	ND	12.0	100	"	"	"	"	"	
Trichlorofluoromethane	"	ND	8.97	100	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	49.2	100	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	6.75	100	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	9.33	100	"	"	"	"	"	
Vinyl chloride	"	ND	5.74	100	"	"	"	"	"	
o-Xylene	"	ND	11.6	100	"	"	"	"	"	
m,p-Xylene	"	ND	11.4	200	"	"	"	"	"	
Surrogate(s):	4-BFB		95.6%		75 - 125 %	0.01x				"
	1,2-DCA-d4		95.6%		75 - 125 %	"				"
	Dibromofluoromethane		93.0%		75 - 125 %	"				"
	Toluene-d8		99.9%		75 - 125 %	"				"

TestAmerica - Anchorage, AK

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*RJ*

Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b>	Project Name: <b>N. Stika &amp; Spar</b>	Report Created:
5430 Fairbanks Street, Suite 3	Project Number: 32-1-1715	07/12/07 09:04
Anchorage, AK/USA 99518	Project Manager: Jessica Busey	

**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-25 (17125-B1TW)</b>		<b>Water</b>					<b>Sampled: 06/14/07 11:10</b>			
Acetone	EPA 8260B	ND	7.76	25.0	ug/l	1x	7060888	06/21/07 09:36	06/21/07 13:26	
<b>Benzene</b>	"	<b>0.130</b>	0.0900	1.00	"	"	"	"	"	J
Bromobenzene	"	ND	0.100	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	0.180	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	0.110	1.00	"	"	"	"	"	
Bromoform	"	ND	0.100	1.00	"	"	"	"	"	
Bromomethane	"	ND	0.170	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	3.50	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	0.0600	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	0.140	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	0.0600	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	0.0500	1.00	"	"	"	"	"	
Chloroethane	"	ND	0.110	1.00	"	"	"	"	"	
Chloroform	"	ND	0.0900	1.00	"	"	"	"	"	
Chloromethane	"	ND	0.0800	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	0.0700	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	2.35	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	0.0700	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	0.110	1.00	"	"	"	"	"	
Dibromomethane	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	0.0700	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	0.0600	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	0.120	1.00	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	"	<b>0.230</b>	0.110	5.00	"	"	"	"	"	J
1,1-Dichloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	0.100	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	0.120	1.00	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	"	<b>0.220</b>	0.0900	1.00	"	"	"	"	"	J
trans-1,2-Dichloroethene	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	0.110	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	0.140	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	0.0800	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	0.100	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	0.210	4.00	"	"	"	"	"	
2-Hexanone	"	ND	3.62	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	0.0700	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	0.0600	2.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*

Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-25 (17125-BITW)</b>	<b>Water</b>			<b>Sampled: 06/14/07 11:10</b>						
4-Methyl-2-pentanone	EPA 8260B	ND	0.290	5.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 13:26	
Methyl tert-butyl ether	"	ND	0.0900	1.00	"	"	"	"	"	
Methylene chloride	"	ND	0.160	5.00	"	"	"	"	"	
Naphthalene	"	ND	0.0900	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	0.100	1.00	"	"	"	"	"	
Styrene	"	ND	0.0400	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	0.110	1.00	"	"	"	"	"	
Toluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	0.100	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	0.110	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	0.120	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	0.130	1.00	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>36.4</b>	<b>0.0800</b>	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	0.0600	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	0.130	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	0.0700	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	0.100	1.00	"	"	"	"	"	
o-Xylene	"	ND	0.0700	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	0.210	2.00	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>		98.8%		80 - 120 %	"				"
	<i>1,2-DCA-d4</i>		92.8%		80 - 120 %	"				"
	<i>Dibromofluoromethane</i>		93.6%		80 - 120 %	"				"
	<i>Toluene-d8</i>		95.5%		80 - 120 %	"				"

<b>AQF0081-26 (17125-B2TW)</b>	<b>Water</b>			<b>Sampled: 06/14/07 11:25</b>						
Acetone	EPA 8260B	ND	7.76	25.0	ug/l	1x	7060888	06/21/07 09:36	06/21/07 13:54	
Benzene	"	ND	0.0900	1.00	"	"	"	"	"	
Bromobenzene	"	ND	0.100	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	0.180	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	0.110	1.00	"	"	"	"	"	
Bromoform	"	ND	0.100	1.00	"	"	"	"	"	
Bromomethane	"	ND	0.170	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	3.50	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	0.0600	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	0.140	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	0.0600	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	0.0500	1.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager





<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-26 (17125-B2TW)</b>		<b>Water</b>					<b>Sampled: 06/14/07 11:25</b>			
Chloroethane	EPA 8260B	ND	0.110	1.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 13:54	
Chloroform	"	ND	0.0900	1.00	"	"	"	"	"	
Chloromethane	"	ND	0.0800	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	0.0700	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	2.35	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	0.0700	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	0.110	1.00	"	"	"	"	"	
Dibromomethane	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	0.0700	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	0.0600	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	0.120	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	0.110	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	"	<b>0.150</b>	<b>0.100</b>	1.00	"	"	"	"	"	J
1,1-Dichloroethene	"	ND	0.120	1.00	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	"	<b>0.980</b>	<b>0.0900</b>	1.00	"	"	"	"	"	J
trans-1,2-Dichloroethene	"	ND	0.100	1.00	"	"	"	"	"	
<b>1,2-Dichloropropane</b>	"	<b>0.870</b>	<b>0.110</b>	1.00	"	"	"	"	"	J
1,3-Dichloropropane	"	ND	0.140	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	0.0800	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	0.100	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	0.210	4.00	"	"	"	"	"	
2-Hexanone	"	ND	3.62	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	0.0700	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	0.0600	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	0.290	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	0.0900	1.00	"	"	"	"	"	
Methylene chloride	"	ND	0.160	5.00	"	"	"	"	"	
Naphthalene	"	ND	0.0900	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	0.100	1.00	"	"	"	"	"	
Styrene	"	ND	0.0400	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1,1,2,2-Tetrachloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	0.110	1.00	"	"	"	"	"	
Toluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	0.100	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	0.110	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	0.120	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	0.130	1.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: <b>32-1-1715</b> Project Manager: <b>Jessica Busey</b>	Report Created: <b>07/12/07 09:04</b>
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-26 (17125-B2TW)</b>		<b>Water</b>			<b>Sampled: 06/14/07 11:25</b>					
Trichloroethene	EPA 8260B	21.0	0.0800	1.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 13:54	
Trichlorofluoromethane	"	ND	0.0600	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	0.130	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	0.0700	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	0.100	1.00	"	"	"	"	"	
o-Xylene	"	ND	0.0700	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	0.210	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB		101%		80 - 120 %	"	"	"	"	
	1,2-DCA-d4		98.0%		80 - 120 %	"	"	"	"	
	Dibromofluoromethane		98.3%		80 - 120 %	"	"	"	"	
	Toluene-d8		101%		80 - 120 %	"	"	"	"	
<b>AQF0081-27 (17125-B3TW)</b>		<b>Water</b>			<b>Sampled: 06/14/07 11:43</b>					
Acetone	EPA 8260B	11.6	7.76	25.0	ug/l	1x	7060888	06/21/07 09:36	06/21/07 14:21	J
Benzene	"	0.180	0.0900	1.00	"	"	"	"	"	J
Bromobenzene	"	ND	0.100	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	0.180	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	0.110	1.00	"	"	"	"	"	
Bromoform	"	ND	0.100	1.00	"	"	"	"	"	
Bromomethane	"	ND	0.170	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	3.50	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	0.0600	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	0.140	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	0.0600	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	0.0500	1.00	"	"	"	"	"	
Chloroethane	"	ND	0.110	1.00	"	"	"	"	"	
Chloroform	"	ND	0.0900	1.00	"	"	"	"	"	
Chloromethane	"	ND	0.0800	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	0.0700	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	2.35	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	0.0700	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	0.110	1.00	"	"	"	"	"	
Dibromomethane	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	0.0700	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	0.0600	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	0.120	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	0.110	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	0.0800	1.00	"	"	"	"	"	

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-27 (17125-B3TW)</b>		<b>Water</b>					<b>Sampled: 06/14/07 11:43</b>			
<b>1,2-Dichloroethane</b>	EPA 8260B	<b>0.540</b>	0.100	1.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 14:21	J
1,1-Dichloroethene	"	ND	0.120	1.00	"	"	"	"	"	"
<b>cis-1,2-Dichloroethene</b>	"	<b>1.42</b>	0.0900	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	0.100	1.00	"	"	"	"	"	"
<b>1,2-Dichloropropane</b>	"	<b>1.41</b>	0.110	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	0.140	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	0.0900	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	0.0800	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	0.0900	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	0.100	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	0.210	4.00	"	"	"	"	"	"
2-Hexanone	"	ND	3.62	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	0.0700	2.00	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	0.0600	2.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	0.290	5.00	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	0.0900	1.00	"	"	"	"	"	"
Methylene chloride	"	ND	0.160	5.00	"	"	"	"	"	"
Naphthalene	"	ND	0.0900	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	0.100	1.00	"	"	"	"	"	"
Styrene	"	ND	0.0400	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	0.0900	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	0.0800	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	0.110	1.00	"	"	"	"	"	"
Toluene	"	ND	0.110	1.00	"	"	"	"	"	"
1,2,3-Trichlorobenzene	"	ND	0.100	1.00	"	"	"	"	"	"
1,2,4-Trichlorobenzene	"	ND	0.110	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	0.120	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	0.130	1.00	"	"	"	"	"	"
<b>Trichloroethene</b>	"	<b>0.910</b>	0.0800	1.00	"	"	"	"	"	J
Trichlorofluoromethane	"	ND	0.0600	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	0.130	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	0.0700	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	0.100	1.00	"	"	"	"	"	"
o-Xylene	"	ND	0.0700	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	0.210	2.00	"	"	"	"	"	"

Surrogate(s):	4-BFB	96.3%	80 - 120 %	"	"
	1,2-DCA-d4	92.4%	80 - 120 %	"	"
	Dibromofluoromethane	93.8%	80 - 120 %	"	"
	Toluene-d8	95.6%	80 - 120 %	"	"

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-28 (17125-B4TW)</b>		<b>Water</b>					<b>Sampled: 06/14/07 14:35</b>			
Acetone	EPA 8260B	13.4	7.76	25.0	ug/l	1x	7060888	06/21/07 09:36	06/21/07 15:44	J
Benzene	"	0.140	0.0900	1.00	"	"	"	"	"	J
Bromobenzene	"	ND	0.100	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	0.180	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	0.110	1.00	"	"	"	"	"	
Bromoform	"	ND	0.100	1.00	"	"	"	"	"	
Bromomethane	"	ND	0.170	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	3.50	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	0.0600	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	0.140	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	0.0600	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	0.0500	1.00	"	"	"	"	"	
Chloroethane	"	ND	0.110	1.00	"	"	"	"	"	
Chloroform	"	ND	0.0900	1.00	"	"	"	"	"	
Chloromethane	"	ND	0.0800	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	0.0700	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	2.35	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	0.0700	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	0.110	1.00	"	"	"	"	"	
Dibromomethane	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	0.0700	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	0.0600	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	0.120	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	0.110	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	1.38	0.100	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	0.120	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	17.0	0.0900	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	0.200	0.100	1.00	"	"	"	"	"	J
1,2-Dichloropropane	"	2.98	0.110	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	0.140	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	0.0800	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	0.100	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	0.210	4.00	"	"	"	"	"	
2-Hexanone	"	ND	3.62	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	0.0700	2.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-28 (17125-B4TW)</b>		<b>Water</b>				<b>Sampled: 06/14/07 14:35</b>				
p-Isopropyltoluene	EPA 8260B	ND	0.0600	2.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 15:44	
4-Methyl-2-pentanone	"	ND	0.290	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	0.0900	1.00	"	"	"	"	"	
<b>Methylene chloride</b>	"	<b>0.190</b>	0.160	5.00	"	"	"	"	"	<b>J</b>
Naphthalene	"	ND	0.0900	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	0.100	1.00	"	"	"	"	"	
Styrene	"	ND	0.0400	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	0.110	1.00	"	"	"	"	"	
Toluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	0.100	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	0.110	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	0.120	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	0.130	1.00	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>1.04</b>	0.0800	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	0.0600	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	0.130	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	0.0700	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	0.100	1.00	"	"	"	"	"	
o-Xylene	"	ND	0.0700	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	0.210	2.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB</i>			98.2%		80 - 120 %	"				
<i>1,2-DCA-d4</i>			94.3%		80 - 120 %	"				
<i>Dibromofluoromethane</i>			97.7%		80 - 120 %	"				
<i>Toluene-d8</i>			96.9%		80 - 120 %	"				

<b>AQF0081-29 (17125-B5TW)</b>		<b>Water</b>				<b>Sampled: 06/14/07 15:10</b>				
<b>Acetone</b>	EPA 8260B	<b>18.2</b>	7.76	25.0	ug/l	1x	7060888	06/21/07 09:36	06/21/07 16:38	<b>J</b>
<b>Benzene</b>	"	<b>0.210</b>	0.0900	1.00	"	"	"	"	"	<b>J</b>
Bromobenzene	"	ND	0.100	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	0.180	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	0.110	1.00	"	"	"	"	"	
Bromoform	"	ND	0.100	1.00	"	"	"	"	"	
Bromomethane	"	ND	0.170	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	3.50	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	0.0600	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	0.140	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	0.0600	1.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-29 (17125-B5TW)</b>		<b>Water</b>					<b>Sampled: 06/14/07 15:10</b>			
Chlorobenzene	EPA 8260B	ND	0.0500	1.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 16:38	
Chloroethane	"	ND	0.110	1.00	"	"	"	"	"	
Chloroform	"	ND	0.0900	1.00	"	"	"	"	"	
Chloromethane	"	ND	0.0800	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	0.0700	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	2.35	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	0.0700	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	0.110	1.00	"	"	"	"	"	
Dibromomethane	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	0.0700	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	0.0600	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	0.120	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	0.110	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	"	<b>1.28</b>	0.100	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	0.120	1.00	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	"	<b>2.69</b>	0.0900	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	0.100	1.00	"	"	"	"	"	
<b>1,2-Dichloropropane</b>	"	<b>0.970</b>	0.110	1.00	"	"	"	"	"	J
1,3-Dichloropropane	"	ND	0.140	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	0.0800	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	0.100	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	0.210	4.00	"	"	"	"	"	
2-Hexanone	"	ND	3.62	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	0.0700	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	0.0600	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	0.290	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	0.0900	1.00	"	"	"	"	"	
Methylene chloride	"	ND	0.160	5.00	"	"	"	"	"	
Naphthalene	"	ND	0.0900	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	0.100	1.00	"	"	"	"	"	
Styrene	"	ND	0.0400	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	0.110	1.00	"	"	"	"	"	
<b>Toluene</b>	"	<b>0.240</b>	0.110	1.00	"	"	"	"	"	J
1,2,3-Trichlorobenzene	"	ND	0.100	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	0.110	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	0.120	1.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-29 (17125-B5TW)</b>	<b>Water</b>			<b>Sampled: 06/14/07 15:10</b>						
1,1,2-Trichloroethane	EPA 8260B	ND	0.130	1.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 16:38	
<b>Trichloroethene</b>	"	<b>0.470</b>	0.0800	1.00	"	"	"	"	"	J
Trichlorofluoromethane	"	ND	0.0600	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	0.130	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	0.0700	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	0.100	1.00	"	"	"	"	"	
o-Xylene	"	ND	0.0700	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	0.210	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB		100%		80 - 120 %	"				
	1,2-DCA-d4		97.6%		80 - 120 %	"				
	Dibromofluoromethane		99.2%		80 - 120 %	"				
	Toluene-d8		99.0%		80 - 120 %	"				

<b>AQF0081-30 (17125-B6TW)</b>	<b>Water</b>			<b>Sampled: 06/14/07 16:20</b>						<b>RL1</b>
Acetone	EPA 8260B	ND	77.6	250	ug/l	10x	7060888	06/21/07 09:36	06/21/07 16:11	
Benzene	"	ND	0.900	10.0	"	"	"	"	"	
Bromobenzene	"	ND	1.00	10.0	"	"	"	"	"	
Bromochloromethane	"	ND	1.80	10.0	"	"	"	"	"	
Bromodichloromethane	"	ND	1.10	10.0	"	"	"	"	"	
Bromoform	"	ND	1.00	10.0	"	"	"	"	"	
Bromomethane	"	ND	1.70	50.0	"	"	"	"	"	
2-Butanone (MEK)	"	ND	35.0	100	"	"	"	"	"	
n-Butylbenzene	"	ND	0.600	50.0	"	"	"	"	"	
sec-Butylbenzene	"	ND	0.800	10.0	"	"	"	"	"	
tert-Butylbenzene	"	ND	0.600	10.0	"	"	"	"	"	
Carbon disulfide	"	ND	1.40	100	"	"	"	"	"	
Carbon tetrachloride	"	ND	0.600	10.0	"	"	"	"	"	
Chlorobenzene	"	ND	0.500	10.0	"	"	"	"	"	
Chloroethane	"	ND	1.10	10.0	"	"	"	"	"	
Chloroform	"	ND	0.900	10.0	"	"	"	"	"	
Chloromethane	"	ND	0.800	50.0	"	"	"	"	"	
2-Chlorotoluene	"	ND	0.700	10.0	"	"	"	"	"	
4-Chlorotoluene	"	ND	1.10	10.0	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	23.5	50.0	"	"	"	"	"	
Dibromochloromethane	"	ND	0.700	10.0	"	"	"	"	"	
1,2-Dibromoethane	"	ND	1.10	10.0	"	"	"	"	"	
Dibromomethane	"	ND	1.00	10.0	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	0.700	10.0	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	0.600	10.0	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	1.20	10.0	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	1.10	50.0	"	"	"	"	"	

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*RJ*  
 Rachel J James For Troy J. Engström, Manager



<b>Shannon &amp; Wilson, INC.</b>	Project Name: <b>N. Stika &amp; Spar</b>	Report Created:
5430 Fairbanks Street, Suite 3	Project Number: 32-1-1715	07/12/07 09:04
Anchorage, AK/USA 99518	Project Manager: Jessica Busey	

**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-01 (17125-B1S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 08:40</b>					
Acetone	EPA 8260B	ND	69.9	1210	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 15:34	
Benzene	"	ND	2.15	9.71	"	"	"	"	"	"
Bromobenzene	"	ND	5.92	48.5	"	"	"	"	"	"
Bromochloromethane	"	ND	7.96	48.5	"	"	"	"	"	"
Bromodichloromethane	"	ND	4.95	48.5	"	"	"	"	"	"
Bromoform	"	ND	7.67	48.5	"	"	"	"	"	"
Bromomethane	"	ND	2.47	243	"	"	"	"	"	"
2-Butanone (MEK)	"	ND	71.8	485	"	"	"	"	"	"
n-Butylbenzene	"	ND	5.48	243	"	"	"	"	"	"
sec-Butylbenzene	"	ND	3.62	48.5	"	"	"	"	"	"
tert-Butylbenzene	"	ND	7.38	48.5	"	"	"	"	"	"
Carbon disulfide	"	ND	3.49	485	"	"	"	"	"	"
Carbon tetrachloride	"	ND	3.71	48.5	"	"	"	"	"	"
Chlorobenzene	"	ND	3.93	48.5	"	"	"	"	"	"
Chloroethane	"	ND	5.19	48.5	"	"	"	"	"	"
Chloroform	"	ND	3.52	48.5	"	"	"	"	"	"
Chloromethane	"	ND	3.26	243	"	"	"	"	"	"
2-Chlorotoluene	"	ND	5.34	48.5	"	"	"	"	"	"
4-Chlorotoluene	"	ND	5.05	48.5	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	12.6	243	"	"	"	"	"	"
Dibromochloromethane	"	ND	5.44	48.5	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	5.63	48.5	"	"	"	"	"	"
Dibromomethane	"	ND	7.13	48.5	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	6.99	48.5	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	2.84	48.5	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	7.23	48.5	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	5.73	243	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	5.78	48.5	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	5.44	48.5	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	5.78	48.5	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	ND	6.12	48.5	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	4.35	48.5	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	3.62	48.5	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	8.45	48.5	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	3.93	48.5	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	5.29	48.5	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	2.40	48.5	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	4.02	48.5	"	"	"	"	"	"
Ethylbenzene	"	ND	4.56	48.5	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	33.7	194	"	"	"	"	"	"
2-Hexanone	"	ND	27.8	485	"	"	"	"	"	"
Isopropylbenzene	"	ND	4.64	97.1	"	"	"	"	"	"
p-Isopropyltoluene	"	ND	4.70	97.1	"	"	"	"	"	"

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager





<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-01 (17125-B1S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 08:40</b>					
4-Methyl-2-pentanone	EPA 8260B	ND	56.8	243	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 15:34	
Methyl tert-butyl ether	"	ND	5.78	48.5	"	"	"	"	"	
Methylene chloride	"	ND	121	243	"	"	"	"	"	
Naphthalene	"	ND	6.84	97.1	"	"	"	"	"	
n-Propylbenzene	"	ND	4.80	48.5	"	"	"	"	"	
Styrene	"	ND	4.31	48.5	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	4.49	48.5	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	10.2	48.5	"	"	"	"	"	
Tetrachloroethene	"	ND	8.20	48.5	"	"	"	"	"	
<b>Toluene</b>	"	<b>4.85</b>	3.05	48.5	"	"	"	"	"	J
1,2,3-Trichlorobenzene	"	ND	8.20	48.5	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	10.4	48.5	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.98	48.5	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	8.78	48.5	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>163</b>	5.82	48.5	"	"	"	"	"	
Trichlorofluoromethane	"	ND	4.35	48.5	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	23.9	48.5	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	3.28	48.5	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	4.53	48.5	"	"	"	"	"	
Vinyl chloride	"	ND	2.79	48.5	"	"	"	"	"	
o-Xylene	"	ND	5.63	48.5	"	"	"	"	"	
m,p-Xylene	"	ND	5.53	97.1	"	"	"	"	"	
<i>Surrogate(s):</i>										
4-BFB			99.0%		75 - 125 %	0.01x				
1,2-DCA-d4			97.8%		75 - 125 %	"				
Dibromofluoromethane			92.6%		75 - 125 %	"				
Toluene-d8			99.6%		75 - 125 %	"				

<b>AQF0081-02 (17125-B1S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 08:45</b>					
Acetone	EPA 8260B	ND	60.5	1050	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 16:01	
Benzene	"	ND	1.86	8.40	"	"	"	"	"	
Bromobenzene	"	ND	5.12	42.0	"	"	"	"	"	
Bromochloromethane	"	ND	6.88	42.0	"	"	"	"	"	
Bromodichloromethane	"	ND	4.28	42.0	"	"	"	"	"	
Bromoform	"	ND	6.63	42.0	"	"	"	"	"	
Bromomethane	"	ND	2.14	210	"	"	"	"	"	
2-Butanone (MEK)	"	ND	62.1	420	"	"	"	"	"	
n-Butylbenzene	"	ND	4.74	210	"	"	"	"	"	
sec-Butylbenzene	"	ND	3.13	42.0	"	"	"	"	"	
tert-Butylbenzene	"	ND	6.38	42.0	"	"	"	"	"	
Carbon disulfide	"	ND	3.02	420	"	"	"	"	"	
Carbon tetrachloride	"	ND	3.21	42.0	"	"	"	"	"	
Chlorobenzene	"	ND	3.40	42.0	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b>	Project Name: <b>N. Stika &amp; Spar</b>	Report Created:
5430 Fairbanks Street, Suite 3	Project Number: 32-1-1715	07/12/07 09:04
Anchorage, AK/USA 99518	Project Manager: Jessica Busey	

**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-02 (17125-B1S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 08:45</b>					
Chloroethane	EPA 8260B	ND	4.49	42.0	ug/kg dry	1x	7060794	06/19/07 12:25	06/19/07 16:01	
Chloroform	"	ND	3.05	42.0	"	"	"	"	"	
Chloromethane	"	ND	2.82	210	"	"	"	"	"	
2-Chlorotoluene	"	ND	4.62	42.0	"	"	"	"	"	
4-Chlorotoluene	"	ND	4.37	42.0	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	10.9	210	"	"	"	"	"	
Dibromochloromethane	"	ND	4.70	42.0	"	"	"	"	"	
1,2-Dibromoethane	"	ND	4.87	42.0	"	"	"	"	"	
Dibromomethane	"	ND	6.17	42.0	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	6.05	42.0	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	2.46	42.0	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	6.26	42.0	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	4.95	210	"	"	"	"	"	
1,1-Dichloroethane	"	ND	5.00	42.0	"	"	"	"	"	
1,2-Dichloroethane	"	ND	4.70	42.0	"	"	"	"	"	
1,1-Dichloroethene	"	ND	5.00	42.0	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	5.29	42.0	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	3.77	42.0	"	"	"	"	"	
1,2-Dichloropropane	"	ND	3.13	42.0	"	"	"	"	"	
1,3-Dichloropropane	"	ND	7.30	42.0	"	"	"	"	"	
2,2-Dichloropropane	"	ND	3.40	42.0	"	"	"	"	"	
1,1-Dichloropropene	"	ND	4.58	42.0	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	2.08	42.0	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	3.48	42.0	"	"	"	"	"	
Ethylbenzene	"	ND	3.95	42.0	"	"	"	"	"	
Hexachlorobutadiene	"	ND	29.1	168	"	"	"	"	"	
2-Hexanone	"	ND	24.0	420	"	"	"	"	"	
Isopropylbenzene	"	ND	4.01	84.0	"	"	"	"	"	
p-Isopropyltoluene	"	ND	4.06	84.0	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	49.1	210	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	5.00	42.0	"	"	"	"	"	
Methylene chloride	"	ND	105	210	"	"	"	"	"	
Naphthalene	"	ND	5.92	84.0	"	"	"	"	"	
n-Propylbenzene	"	ND	4.15	42.0	"	"	"	"	"	
Styrene	"	ND	3.73	42.0	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	3.88	42.0	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	8.86	42.0	"	"	"	"	"	
Tetrachloroethene	"	ND	7.09	42.0	"	"	"	"	"	
<b>Toluene</b>	"	<b>4.62</b>	2.64	42.0	"	"	"	"	"	J
1,2,3-Trichlorobenzene	"	ND	7.09	42.0	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	8.98	42.0	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	2.57	42.0	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	7.60	42.0	"	"	"	"	"	

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*RJ*

Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes	
<b>AQF0081-30 (17125-B6TW)</b>		<b>Water</b>								<b>Sampled: 06/14/07 16:20</b>	<b>RL1</b>
1,1-Dichloroethane	EPA 8260B	ND	0.800	10.0	ug/l	10x	7060888	06/21/07 09:36	06/21/07 16:11		
1,2-Dichloroethane	"	ND	1.00	10.0	"	"	"	"	"		
1,1-Dichloroethene	"	ND	1.20	10.0	"	"	"	"	"		
cis-1,2-Dichloroethene	"	ND	0.900	10.0	"	"	"	"	"		
trans-1,2-Dichloroethene	"	ND	1.00	10.0	"	"	"	"	"		
1,2-Dichloropropane	"	ND	1.10	10.0	"	"	"	"	"		
1,3-Dichloropropane	"	ND	1.40	10.0	"	"	"	"	"		
2,2-Dichloropropane	"	ND	0.900	10.0	"	"	"	"	"		
1,1-Dichloropropene	"	ND	0.800	10.0	"	"	"	"	"		
cis-1,3-Dichloropropene	"	ND	0.900	10.0	"	"	"	"	"		
trans-1,3-Dichloropropene	"	ND	1.00	10.0	"	"	"	"	"		
Ethylbenzene	"	ND	0.600	10.0	"	"	"	"	"		
Hexachlorobutadiene	"	ND	2.10	40.0	"	"	"	"	"		
2-Hexanone	"	ND	36.2	100	"	"	"	"	"		
Isopropylbenzene	"	ND	0.700	20.0	"	"	"	"	"		
<b>p-Isopropyltoluene</b>	"	<b>1.60</b>	<b>0.600</b>	20.0	"	"	"	"	"	<b>J</b>	
4-Methyl-2-pentanone	"	ND	2.90	50.0	"	"	"	"	"		
Methyl tert-butyl ether	"	ND	0.900	10.0	"	"	"	"	"		
Methylene chloride	"	ND	1.60	50.0	"	"	"	"	"		
Naphthalene	"	ND	0.900	20.0	"	"	"	"	"		
n-Propylbenzene	"	ND	1.00	10.0	"	"	"	"	"		
Styrene	"	ND	0.400	10.0	"	"	"	"	"		
1,1,1,2-Tetrachloroethane	"	ND	0.900	10.0	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	"	ND	0.800	10.0	"	"	"	"	"		
Tetrachloroethene	"	ND	1.10	10.0	"	"	"	"	"		
<b>Toluene</b>	"	<b>6.30</b>	<b>1.10</b>	10.0	"	"	"	"	"	<b>J</b>	
1,2,3-Trichlorobenzene	"	ND	1.00	10.0	"	"	"	"	"		
1,2,4-Trichlorobenzene	"	ND	1.10	10.0	"	"	"	"	"		
1,1,1-Trichloroethane	"	ND	1.20	10.0	"	"	"	"	"		
1,1,2-Trichloroethane	"	ND	1.30	10.0	"	"	"	"	"		
Trichloroethene	"	ND	0.800	10.0	"	"	"	"	"		
Trichlorofluoromethane	"	ND	0.600	10.0	"	"	"	"	"		
1,2,3-Trichloropropane	"	ND	1.30	10.0	"	"	"	"	"		
1,2,4-Trimethylbenzene	"	ND	0.800	10.0	"	"	"	"	"		
1,3,5-Trimethylbenzene	"	ND	0.700	10.0	"	"	"	"	"		
Vinyl chloride	"	ND	1.00	10.0	"	"	"	"	"		
o-Xylene	"	ND	0.700	10.0	"	"	"	"	"		
m,p-Xylene	"	ND	2.10	20.0	"	"	"	"	"		
<i>Surrogate(s):</i>	4-BFB		97.6%		80 - 120 %	1x				"	
	1,2-DCA-d4		91.8%		80 - 120 %	"				"	
	Dibromofluoromethane		93.5%		80 - 120 %	"				"	
	Toluene-d8		97.2%		80 - 120 %	"				"	

TestAmerica - Anchorage, AK

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.

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-31 (17125-B7TW)</b>		<b>Water</b>					<b>Sampled: 06/14/07 17:15</b>			
Acetone	EPA 8260B	ND	7.76	25.0	ug/l	1x	7060888	06/21/07 09:36	06/21/07 17:05	
<b>Benzene</b>	"	<b>0.160</b>	0.0900	1.00	"	"	"	"	"	J
Bromobenzene	"	ND	0.100	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	0.180	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	0.110	1.00	"	"	"	"	"	
Bromoform	"	ND	0.100	1.00	"	"	"	"	"	
Bromomethane	"	ND	0.170	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	3.50	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	0.0600	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	0.140	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	0.0600	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	0.0500	1.00	"	"	"	"	"	
Chloroethane	"	ND	0.110	1.00	"	"	"	"	"	
Chloroform	"	ND	0.0900	1.00	"	"	"	"	"	
Chloromethane	"	ND	0.0800	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	0.0700	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	2.35	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	0.0700	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	0.110	1.00	"	"	"	"	"	
Dibromomethane	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	0.0700	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	0.0600	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	0.120	1.00	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	"	<b>1.21</b>	0.110	5.00	"	"	"	"	"	J
<b>1,1-Dichloroethane</b>	"	<b>0.160</b>	0.0800	1.00	"	"	"	"	"	J
1,2-Dichloroethane	"	ND	0.100	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	0.120	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	0.110	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	0.140	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	0.0800	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	0.100	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	0.210	4.00	"	"	"	"	"	
2-Hexanone	"	ND	3.62	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	0.0700	2.00	"	"	"	"	"	

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-31 (17125-B7TW)</b>	<b>Water</b>			<b>Sampled: 06/14/07 17:15</b>						
p-Isopropyltoluene	EPA 8260B	ND	0.0600	2.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 17:05	
4-Methyl-2-pentanone	"	ND	0.290	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	0.0900	1.00	"	"	"	"	"	
Methylene chloride	"	ND	0.160	5.00	"	"	"	"	"	
Naphthalene	"	ND	0.0900	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	0.100	1.00	"	"	"	"	"	
Styrene	"	ND	0.0400	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	0.110	1.00	"	"	"	"	"	
<b>Toluene</b>	"	<b>0.220</b>	<b>0.110</b>	1.00	"	"	"	"	"	<b>J</b>
1,2,3-Trichlorobenzene	"	ND	0.100	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	0.110	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	0.120	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	0.130	1.00	"	"	"	"	"	
Trichloroethene	"	ND	0.0800	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	0.0600	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	0.130	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	0.0700	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	0.100	1.00	"	"	"	"	"	
o-Xylene	"	ND	0.0700	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	0.210	2.00	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>		<i>100%</i>		<i>80 - 120 %</i>	<i>"</i>				<i>"</i>
	<i>1,2-DCA-d4</i>		<i>97.8%</i>		<i>80 - 120 %</i>	<i>"</i>				<i>"</i>
	<i>Dibromofluoromethane</i>		<i>97.8%</i>		<i>80 - 120 %</i>	<i>"</i>				<i>"</i>
	<i>Toluene-d8</i>		<i>98.3%</i>		<i>80 - 120 %</i>	<i>"</i>				<i>"</i>

<b>AQF0081-32 (17125-B8TW)</b>	<b>Water</b>			<b>Sampled: 06/15/07 14:10</b>						
Acetone	EPA 8260B	ND	7.76	25.0	ug/l	1x	7060888	06/21/07 09:36	06/21/07 17:32	
<b>Benzene</b>	"	<b>0.100</b>	<b>0.0900</b>	1.00	"	"	"	"	"	<b>J</b>
Bromobenzene	"	ND	0.100	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	0.180	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	0.110	1.00	"	"	"	"	"	
Bromoform	"	ND	0.100	1.00	"	"	"	"	"	
Bromomethane	"	ND	0.170	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	3.50	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	0.0600	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	0.140	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	0.0600	1.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-32 (17125-B8TW)</b>		<b>Water</b>					<b>Sampled: 06/15/07 14:10</b>			
Chlorobenzene	EPA 8260B	ND	0.0500	1.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 17:32	
Chloroethane	"	ND	0.110	1.00	"	"	"	"	"	
Chloroform	"	ND	0.0900	1.00	"	"	"	"	"	
Chloromethane	"	ND	0.0800	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	0.0700	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	2.35	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	0.0700	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	0.110	1.00	"	"	"	"	"	
Dibromomethane	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	0.0700	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	0.0600	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	0.120	1.00	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	"	<b>0.390</b>	0.110	5.00	"	"	"	"	"	<b>J</b>
1,1-Dichloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	0.100	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	0.120	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	0.110	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	0.140	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	0.0800	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	0.100	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	0.210	4.00	"	"	"	"	"	
2-Hexanone	"	ND	3.62	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	0.0700	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	0.0600	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	0.290	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	0.0900	1.00	"	"	"	"	"	
<b>Methylene chloride</b>	"	<b>0.260</b>	0.160	5.00	"	"	"	"	"	<b>J</b>
Naphthalene	"	ND	0.0900	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	0.100	1.00	"	"	"	"	"	
Styrene	"	ND	0.0400	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	0.110	1.00	"	"	"	"	"	
Toluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	0.100	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	0.110	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	0.120	1.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-32 (17125-B8TW)</b>		<b>Water</b>				<b>Sampled: 06/15/07 14:10</b>				
1,1,2-Trichloroethane	EPA 8260B	ND	0.130	1.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 17:32	
Trichloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
<b>Trichlorofluoromethane</b>	"	<b>0.110</b>	<b>0.0600</b>	1.00	"	"	"	"	"	<b>J</b>
1,2,3-Trichloropropane	"	ND	0.130	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	0.0700	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	0.100	1.00	"	"	"	"	"	
o-Xylene	"	ND	0.0700	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	0.210	2.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB</i>			98.3%		80 - 120 %	"				"
<i>1,2-DCA-d4</i>			94.8%		80 - 120 %	"				"
<i>Dibromofluoromethane</i>			96.2%		80 - 120 %	"				"
<i>Toluene-d8</i>			96.0%		80 - 120 %	"				"
<b>AQF0081-33 (17125-B9TW)</b>		<b>Water</b>				<b>Sampled: 06/15/07 13:55</b>				
Acetone	EPA 8260B	ND	7.76	25.0	ug/l	1x	7060888	06/21/07 09:36	06/21/07 17:59	
Benzene	"	ND	0.0900	1.00	"	"	"	"	"	
Bromobenzene	"	ND	0.100	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	0.180	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	0.110	1.00	"	"	"	"	"	
Bromoform	"	ND	0.100	1.00	"	"	"	"	"	
Bromomethane	"	ND	0.170	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	3.50	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	0.0600	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	0.140	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	0.0600	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	0.0500	1.00	"	"	"	"	"	
Chloroethane	"	ND	0.110	1.00	"	"	"	"	"	
Chloroform	"	ND	0.0900	1.00	"	"	"	"	"	
Chloromethane	"	ND	0.0800	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	0.0700	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	2.35	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	0.0700	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	0.110	1.00	"	"	"	"	"	
Dibromomethane	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	0.0700	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	0.0600	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	0.120	1.00	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	"	<b>0.740</b>	<b>0.110</b>	5.00	"	"	"	"	"	<b>J</b>

TestAmerica - Anchorage, AK

*RJ*

Rachel J James For Troy J. Engstrom, Manager

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<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-33 (17125-B9TW)</b>		<b>Water</b>				<b>Sampled: 06/15/07 13:55</b>				
1,1-Dichloroethane	EPA 8260B	ND	0.0800	1.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 17:59	
1,2-Dichloroethane	"	ND	0.100	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	0.120	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	0.100	1.00	"	"	"	"	"	
<b>1,2-Dichloropropane</b>	"	<b>0.160</b>	0.110	1.00	"	"	"	"	"	<b>J</b>
1,3-Dichloropropane	"	ND	0.140	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	0.0800	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	0.100	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	0.210	4.00	"	"	"	"	"	
2-Hexanone	"	ND	3.62	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	0.0700	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	0.0600	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	0.290	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	0.0900	1.00	"	"	"	"	"	
<b>Methylene chloride</b>	"	<b>0.250</b>	0.160	5.00	"	"	"	"	"	<b>J</b>
Naphthalene	"	ND	0.0900	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	0.100	1.00	"	"	"	"	"	
Styrene	"	ND	0.0400	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	0.110	1.00	"	"	"	"	"	
Toluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	0.100	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	0.110	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	0.120	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	0.130	1.00	"	"	"	"	"	
Trichloroethene	"	ND	0.0800	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	0.0600	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	0.130	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	0.0700	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	0.100	1.00	"	"	"	"	"	
o-Xylene	"	ND	0.0700	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	0.210	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB	96.8%		80 - 120 %	"	"	"	"	"	
	1,2-DCA-d4	94.4%		80 - 120 %	"	"	"	"	"	
	Dibromofluoromethane	95.8%		80 - 120 %	"	"	"	"	"	
	Toluene-d8	95.5%		80 - 120 %	"	"	"	"	"	

TestAmerica - Anchorage, AK

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 Rachel J James For Troy J. Engstrom, Manager





<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-34 (17125-B10TW)</b>		<b>Water:</b>					<b>Sampled: 06/15/07 11:35</b>			
Acetone	EPA 8260B	ND	7.76	25.0	ug/l	1x	7060888	06/21/07 09:36	06/21/07 18:26	
<b>Benzene</b>	"	<b>0.310</b>	0.0900	1.00	"	"	"	"	"	<b>J</b>
Bromobenzene	"	ND	0.100	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	0.180	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	0.110	1.00	"	"	"	"	"	
Bromoform	"	ND	0.100	1.00	"	"	"	"	"	
Bromomethane	"	ND	0.170	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	3.50	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	0.0600	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	0.140	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	0.0600	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	0.0500	1.00	"	"	"	"	"	
Chloroethane	"	ND	0.110	1.00	"	"	"	"	"	
Chloroform	"	ND	0.0900	1.00	"	"	"	"	"	
Chloromethane	"	ND	0.0800	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	0.0700	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	2.35	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	0.0700	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	0.110	1.00	"	"	"	"	"	
Dibromomethane	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	0.0700	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	0.0600	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	0.120	1.00	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	"	<b>0.190</b>	0.110	5.00	"	"	"	"	"	<b>J</b>
1,1-Dichloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	"	<b>0.560</b>	0.100	1.00	"	"	"	"	"	<b>J</b>
1,1-Dichloroethene	"	ND	0.120	1.00	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	"	<b>1.01</b>	0.0900	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	0.100	1.00	"	"	"	"	"	
<b>1,2-Dichloropropane</b>	"	<b>1.24</b>	0.110	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	0.140	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	0.0800	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	0.100	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	0.210	4.00	"	"	"	"	"	
2-Hexanone	"	ND	3.62	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	0.0700	2.00	"	"	"	"	"	

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-34 (17125-B10TW)</b>		<b>Water</b>					<b>Sampled: 06/15/07 11:35</b>			
p-Isopropyltoluene	EPA 8260B	ND	0.0600	2.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 18:26	
4-Methyl-2-pentanone	"	ND	0.290	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	0.0900	1.00	"	"	"	"	"	
Methylene chloride	"	ND	0.160	5.00	"	"	"	"	"	
Naphthalene	"	ND	0.0900	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	0.100	1.00	"	"	"	"	"	
Styrene	"	ND	0.0400	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	0.110	1.00	"	"	"	"	"	
Toluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	0.100	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	0.110	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	0.120	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	0.130	1.00	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>3.06</b>	<b>0.0800</b>	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	0.0600	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	0.130	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	0.0700	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	0.100	1.00	"	"	"	"	"	
o-Xylene	"	ND	0.0700	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	0.210	2.00	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>		98.7%		80 - 120 %	"				
	<i>1,2-DCA-d4</i>		96.8%		80 - 120 %	"				
	<i>Dibromofluoromethane</i>		96.9%		80 - 120 %	"				
	<i>Toluene-d8</i>		99.2%		80 - 120 %	"				

<b>AQF0081-35 (17125-B11TW)</b>		<b>Water</b>					<b>Sampled: 06/15/07 11:10</b>			
Acetone	EPA 8260B	ND	7.76	25.0	ug/l	1x	7060888	06/21/07 09:36	06/21/07 18:53	
<b>Benzene</b>	"	<b>0.100</b>	<b>0.0900</b>	1.00	"	"	"	"	"	J
Bromobenzene	"	ND	0.100	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	0.180	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	0.110	1.00	"	"	"	"	"	
Bromoform	"	ND	0.100	1.00	"	"	"	"	"	
Bromomethane	"	ND	0.170	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	3.50	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	0.0600	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	0.140	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	0.0600	1.00	"	"	"	"	"	

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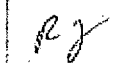
<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-35 (17125-B11TW)</b>		<b>Water</b>			<b>Sampled: 06/15/07 11:10</b>					
Chlorobenzene	EPA 8260B	ND	0.0500	1.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 18:53	
Chloroethane	"	ND	0.110	1.00	"	"	"	"	"	
Chloroform	"	ND	0.0900	1.00	"	"	"	"	"	
Chloromethane	"	ND	0.0800	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	0.0700	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	2.35	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	0.0700	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	0.110	1.00	"	"	"	"	"	
Dibromomethane	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	0.0700	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	0.0600	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	0.120	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	0.110	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	"	<b>0.260</b>	0.100	1.00	"	"	"	"	"	J
1,1-Dichloroethene	"	ND	0.120	1.00	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	"	<b>9.30</b>	0.0900	1.00	"	"	"	"	"	
<b>trans-1,2-Dichloroethene</b>	"	<b>0.190</b>	0.100	1.00	"	"	"	"	"	J
<b>1,2-Dichloropropane</b>	"	<b>2.83</b>	0.110	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	0.140	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	0.0800	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	0.100	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	0.210	4.00	"	"	"	"	"	
2-Hexanone	"	ND	3.62	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	0.0700	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	0.0600	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	0.290	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	0.0900	1.00	"	"	"	"	"	
Methylene chloride	"	ND	0.160	5.00	"	"	"	"	"	
Naphthalene	"	ND	0.0900	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	0.100	1.00	"	"	"	"	"	
Styrene	"	ND	0.0400	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	0.110	1.00	"	"	"	"	"	
Toluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	0.100	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	0.110	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	0.120	1.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

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Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-35 (17125-B11TW)</b>	<b>Water</b>			<b>Sampled: 06/15/07 11:10</b>						
1,1,2-Trichloroethane	EPA 8260B	ND	0.130	1.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 18:53	
<b>Trichloroethene</b>	"	<b>8.99</b>	0.0800	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	0.0600	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	0.130	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	0.0700	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	0.100	1.00	"	"	"	"	"	
o-Xylene	"	ND	0.0700	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	0.210	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB		99.0%		80 - 120 %	"				"
	1,2-DCA-d4		97.9%		80 - 120 %	"				"
	Dibromofluoromethane		97.8%		80 - 120 %	"				"
	Toluene-d8		96.5%		80 - 120 %	"				"

<b>AQF0081-36 (17125-B12TW)</b>	<b>Water</b>			<b>Sampled: 06/15/07 11:40</b>						
Acetone	EPA 8260B	ND	7.76	25.0	ug/l	1x	7060888	06/21/07 09:36	06/21/07 19:20	
<b>Benzene</b>	"	<b>0.320</b>	0.0900	1.00	"	"	"	"	"	<b>J</b>
Bromobenzene	"	ND	0.100	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	0.180	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	0.110	1.00	"	"	"	"	"	
Bromoform	"	ND	0.100	1.00	"	"	"	"	"	
Bromomethane	"	ND	0.170	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	3.50	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	0.0600	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	0.140	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	0.0600	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	0.0500	1.00	"	"	"	"	"	
Chloroethane	"	ND	0.110	1.00	"	"	"	"	"	
Chloroform	"	ND	0.0900	1.00	"	"	"	"	"	
Chloromethane	"	ND	0.0800	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	0.0700	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	2.35	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	0.0700	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	0.110	1.00	"	"	"	"	"	
Dibromomethane	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	0.0700	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	0.0600	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	0.120	1.00	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	"	<b>0.160</b>	0.110	5.00	"	"	"	"	"	<b>J</b>

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Rachel J James For Troy J. Engstrom, Manager



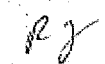
<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-36 (17125-B12TW)</b>		<b>Water</b>					<b>Sampled: 06/15/07 11:40</b>			
1,1-Dichloroethane	EPA 8260B	ND	0.0800	1.00	ug/l	1x	7060888	06/21/07 09:36	06/21/07 19:20	
<b>1,2-Dichloroethane</b>	"	<b>0.560</b>	0.100	1.00	"	"	"	"	"	<b>J</b>
1,1-Dichloroethene	"	ND	0.120	1.00	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	"	<b>0.920</b>	0.0900	1.00	"	"	"	"	"	<b>J</b>
trans-1,2-Dichloroethene	"	ND	0.100	1.00	"	"	"	"	"	
<b>1,2-Dichloropropane</b>	"	<b>1.21</b>	0.110	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	0.140	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	0.0800	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	0.100	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	0.210	4.00	"	"	"	"	"	
2-Hexanone	"	ND	3.62	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	0.0700	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	0.0600	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	0.290	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	0.0900	1.00	"	"	"	"	"	
Methylene chloride	"	ND	0.160	5.00	"	"	"	"	"	
Naphthalene	"	ND	0.0900	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	0.100	1.00	"	"	"	"	"	
Styrene	"	ND	0.0400	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	0.110	1.00	"	"	"	"	"	
Toluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	0.100	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	0.110	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	0.120	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	0.130	1.00	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>3.13</b>	0.0800	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	0.0600	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	0.130	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	0.0700	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	0.100	1.00	"	"	"	"	"	
o-Xylene	"	ND	0.0700	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	0.210	2.00	"	"	"	"	"	
Surrogate(s):	4-BFB		97.2%			80 - 120 %	"	"	"	
	1,2-DCA-d4		97.2%			80 - 120 %	"	"	"	
	Dibromofluoromethane		97.1%			80 - 120 %	"	"	"	
	Toluene-d8		95.4%			80 - 120 %	"	"	"	

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 Rachel J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-37 (WTB1)</b>		<b>Water</b>				<b>Sampled: 06/14/07 11:10</b>				
Acetone	EPA 8260B	ND	7.76	25.0	ug/l	1x	7060888	06/21/07 09:36	06/21/07 12:59	
Benzene	"	ND	0.0900	1.00	"	"	"	"	"	
Bromobenzene	"	ND	0.100	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	0.180	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	0.110	1.00	"	"	"	"	"	
Bromoform	"	ND	0.100	1.00	"	"	"	"	"	
Bromomethane	"	ND	0.170	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	3.50	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	0.0600	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	0.140	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	0.0600	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	0.0500	1.00	"	"	"	"	"	
Chloroethane	"	ND	0.110	1.00	"	"	"	"	"	
Chloroform	"	ND	0.0900	1.00	"	"	"	"	"	
Chloromethane	"	ND	0.0800	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	0.0700	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	2.35	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	0.0700	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	0.110	1.00	"	"	"	"	"	
Dibromomethane	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	0.0700	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	0.0600	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	0.120	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	0.110	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	0.100	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	0.120	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	0.100	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	0.110	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	0.140	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	0.0800	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	0.0900	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	0.100	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	0.0600	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	0.210	4.00	"	"	"	"	"	
2-Hexanone	"	ND	3.62	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	0.0700	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	0.0600	2.00	"	"	"	"	"	

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b>	Project Name: <b>N. Stika &amp; Spar</b>	Report Created:
5430 Fairbanks Street, Suite 3	Project Number: 32-1-1715	07/12/07 09:04
Anchorage, AK/USA 99518	Project Manager: Jessica Busey	

**Volatile Organic Compounds per EPA Method 8260B**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-37 (WTB1)</b>		<b>Water</b>					<b>Sampled: 06/14/07 11:10</b>			
4-Methyl-2-pentanone	EPA 8260B	ND	0.290	5.00	ug/l	ix	7060888	06/21/07 09:36	06/21/07 12:59	
Methyl tert-butyl ether	"	ND	0.0900	1.00	"	"	"	"	"	
<b>Methylene chloride</b>	"	<b>1.17</b>	<b>0.160</b>	<b>5.00</b>	"	"	"	"	"	<b>J</b>
Naphthalene	"	ND	0.0900	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	0.100	1.00	"	"	"	"	"	
Styrene	"	ND	0.0400	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	0.0900	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	0.0800	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	0.110	1.00	"	"	"	"	"	
Toluene	"	ND	0.110	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	0.100	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	0.110	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	0.120	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	0.130	1.00	"	"	"	"	"	
Trichloroethene	"	ND	0.0800	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	0.0600	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	0.130	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	0.0800	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	0.0700	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	0.100	1.00	"	"	"	"	"	
o-Xylene	"	ND	0.0700	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	0.210	2.00	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB</i>		<i>97.2%</i>		<i>80 - 120 %</i>	<i>"</i>				<i>"</i>
	<i>1,2-DCA-d4</i>		<i>94.7%</i>		<i>80 - 120 %</i>	<i>"</i>				<i>"</i>
	<i>Dibromofluoromethane</i>		<i>96.5%</i>		<i>80 - 120 %</i>	<i>"</i>				<i>"</i>
	<i>Toluene-d8</i>		<i>96.0%</i>		<i>80 - 120 %</i>	<i>"</i>				<i>"</i>

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: <b>32-1-1715</b> Project Manager: <b>Jessica Busey</b>	Report Created: <b>07/12/07 09:04</b>
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**Percent Dry Weight (Solids) per Standard Methods**  
TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-01 (17125-B1S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 08:40</b>					
% Solids	NCA SOP	93.5	---	0.00	% by Weight	1x	7060825	06/19/07 18:32	06/19/07 18:32	
<b>AQF0081-02 (17125-B1S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 08:45</b>					
% Solids	NCA SOP	87.1	---	0.00	% by Weight	1x	7060825	06/19/07 18:32	06/19/07 18:32	
<b>AQF0081-03 (17125-B2S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 09:10</b>					
% Solids	NCA SOP	95.6	---	0.00	% by Weight	1x	7060825	06/19/07 18:32	06/19/07 18:32	
<b>AQF0081-04 (17125-B2S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 09:15</b>					
% Solids	NCA SOP	95.5	---	0.00	% by Weight	1x	7060825	06/19/07 18:32	06/19/07 18:32	
<b>AQF0081-05 (17125-B3S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 09:45</b>					
% Solids	NCA SOP	96.3	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-06 (17125-B3S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 09:50</b>					
% Solids	NCA SOP	96.2	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-07 (17125-B4S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 12:50</b>					
% Solids	NCA SOP	96.9	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-08 (17125-B4S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 12:55</b>					
% Solids	NCA SOP	86.5	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-09 (17125-B5S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 13:20</b>					
% Solids	NCA SOP	93.9	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-10 (17125-B5S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 13:25</b>					
% Solids	NCA SOP	94.3	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-11 (17125-B6S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 14:00</b>					

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager





<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Percent Dry Weight (Solids) per Standard Methods**  
TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-11 (17125-B6S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 14:00</b>					
% Solids	NCA SOP	94.0	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-12 (17125-B6S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 14:10</b>					
% Solids	NCA SOP	80.6	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-13 (17125-B7S1)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 15:10</b>					
% Solids	NCA SOP	92.0	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-14 (17125-B7S2)</b>		<b>Soil</b>			<b>Sampled: 06/14/07 15:20</b>					
% Solids	NCA SOP	86.0	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-15 (17125-B8S1)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 12:45</b>					
% Solids	NCA SOP	96.1	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-16 (17125-B8S2)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 12:50</b>					
% Solids	NCA SOP	94.4	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-17 (17125-B9S1)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 12:15</b>					
% Solids	NCA SOP	97.2	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-18 (17125-B9S2)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 12:20</b>					
% Solids	NCA SOP	92.4	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-19 (17125-B10S1)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 10:15</b>					
% Solids	NCA SOP	97.5	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-20 (17125-B10S2)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 10:20</b>					
% Solids	NCA SOP	93.7	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-21 (17125-B10S4)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 10:25</b>					

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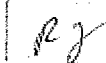


<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Percent Dry Weight (Solids) per Standard Methods**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>AQF0081-21 (17125-B10S4)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 10:25</b>					
% Solids	NCA SOP	96.0	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-22 (17125-B11S1)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 09:15</b>					
% Solids	NCA SOP	96.3	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	
<b>AQF0081-23 (17125-B11S2)</b>		<b>Soil</b>			<b>Sampled: 06/15/07 09:20</b>					
% Solids	NCA SOP	87.3	---	0.00	% by Weight	1x	7060824	06/19/07 18:31	06/19/07 18:31	

TestAmerica - Anchorage, AK



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**Gasoline Range Organics (C6-C10) per AK101 - Laboratory Quality Control Results**  
 TestAmerica - Anchorage, AK

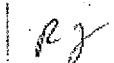
**QC Batch: 7060099      Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
<b>Blank (7060099-BLK1)</b>													Extracted: 06/21/07 16:07			
Gasoline Range Organics	AK101 GRO	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	06/22/07 01:58			
Surrogate(s): a,a,a-TFT (FID)		Recovery: 91.5%		Limits: 50-150%								06/22/07 01:58				
<b>LCS (7060099-BS2)</b>													Extracted: 06/21/07 16:07			
Gasoline Range Organics	AK101 GRO	478	---	50.0	ug/l	1x	--	550	87.0%	(60-120)	--	--	06/22/07 01:26			
Surrogate(s): a,a,a-TFT (FID)		Recovery: 91.5%		Limits: 60-120%								06/22/07 01:26				
<b>LCS Dup (7060099-BSD2)</b>													Extracted: 06/21/07 16:07			
Gasoline Range Organics	AK101 GRO	462	---	50.0	ug/l	1x	--	550	84.0%	(60-120)	3.48%	(20)	06/22/07 08:53			
Surrogate(s): a,a,a-TFT (FID)		Recovery: 87.5%		Limits: 60-120%								06/22/07 08:53				
<b>Duplicate (7060099-DUP1)</b>													QC Source: AQF0063-03		Extracted: 06/21/07 16:07	
Gasoline Range Organics	AK101 GRO	ND	---	50.0	ug/l	1x	ND	--	--	--	29.1%	(35)	06/22/07 12:45			
Surrogate(s): a,a,a-TFT (FID)		Recovery: 90.7%		Limits: 50-150%								06/22/07 12:45				

**QC Batch: 7060116      Soil Preparation Method: AK101 Field Prep**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
<b>Blank (7060116-BLK1)</b>													Extracted: 06/25/07 10:44			
Gasoline Range Organics	AK101 GRO	ND	---	3.33	mg/kg wet	1x	--	--	--	--	--	--	06/25/07 14:21			
Surrogate(s): a,a,a-TFT (FID)		Recovery: 92.9%		Limits: 50-150%								06/25/07 14:21				
<b>LCS (7060116-BS1)</b>													Extracted: 06/25/07 10:44			
Gasoline Range Organics	AK101 GRO	18.6	---	3.33	mg/kg wet	1x	--	22.0	84.6%	(60-120)	--	--	06/25/07 13:16			
Surrogate(s): a,a,a-TFT (FID)		Recovery: 101%		Limits: 60-120%								06/25/07 13:16				
<b>LCS Dup (7060116-BSD1)</b>													Extracted: 06/25/07 10:44			
Gasoline Range Organics	AK101 GRO	19.3	---	3.33	mg/kg wet	1x	--	22.0	87.7%	(60-120)	3.51%	(20)	06/25/07 13:49			
Surrogate(s): a,a,a-TFT (FID)		Recovery: 105%		Limits: 60-120%								06/25/07 13:49				
<b>Duplicate (7060116-DUP1)</b>													QC Source: AQF0110-05		Extracted: 06/25/07 10:44	
Gasoline Range Organics	AK101 GRO	ND	---	3.33	mg/kg dry	3x	ND	--	--	--	7.07%	(35.8)	06/25/07 18:09			
Surrogate(s): a,a,a-TFT (FID)		Recovery: 75.8%		Limits: 50-150%								06/25/07 18:09				

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**Diesel Range Organics (C10-C25) per AK102 - Laboratory Quality Control Results**  
 TestAmerica - Anchorage, AK

**QC Batch: 7060119      Water Preparation Method: EPA 3510**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
<b>Blank (7060119-BLK1)</b>											Extracted: 06/26/07 08:37					
Diesel Range Organics	AK 102	ND	---	0.500	mg/l	1x	--	--	--	--	--	--	06/26/07 11:29			
Surrogate(s): 1-Chlorooctadecane		Recovery: 92.4%		Limits: 50-150%		"						06/26/07 11:29				
<b>LCS (7060119-BS1)</b>											Extracted: 06/26/07 08:37					
Diesel Range Organics	AK 102	10.0	---	0.500	mg/l	1x	--	10.1	99.3%	(75-125)	--	--	06/26/07 12:01			
Surrogate(s): 1-Chlorooctadecane		Recovery: 98.4%		Limits: 60-120%		"						06/26/07 12:01				
<b>LCS Dup (7060119-BSD1)</b>											Extracted: 06/26/07 08:37					
Diesel Range Organics	AK 102	9.92	---	0.500	mg/l	1x	--	10.1	98.2%	(75-125)	1.14%	(20)	06/26/07 12:34			
Surrogate(s): 1-Chlorooctadecane		Recovery: 94.5%		Limits: 60-120%		"						06/26/07 12:34				
<b>Duplicate (7060119-DUP1)</b>											QC Source: AQF0081-30		Extracted: 06/26/07 08:37			
Diesel Range Organics	AK 102	1.49	---	0.410	mg/l	1x	1.46	--	--	--	2.17%	(20)	06/26/07 11:29			
Surrogate(s): 1-Chlorooctadecane		Recovery: 80.9%		Limits: 50-150%		"						06/26/07 11:29				

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**Diesel Range Organics (C10-C25) per AK102 - Laboratory Quality Control Results**  
 TestAmerica - Anchorage, AK

**QC Batch: 7060082      Soil Preparation Method: EPA 3545**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
<b>Blank (7060082-BLK1)</b>													Extracted: 06/19/07 08:35			
Diesel Range Organics	AK 102	ND	---	20.0	mg/kg wet	1x	--	--	--	--	--	--	06/19/07 15:31			
Surrogate(s): 1-Chlorooctadecane		Recovery: 97.7%		Limits: 50-150%								06/19/07 15:31				
<b>LCS (7060082-BS1)</b>													Extracted: 06/19/07 08:35			
Diesel Range Organics	AK 102	125	---	20.0	mg/kg wet	1x	--	126	99.2%	(75-125)	--	--	06/19/07 16:03			
Surrogate(s): 1-Chlorooctadecane		Recovery: 98.3%		Limits: 60-120%								06/19/07 16:03				
<b>LCS Dup (7060082-BSD1)</b>													Extracted: 06/19/07 08:35			
Diesel Range Organics	AK 102	125	---	20.0	mg/kg wet	1x	--	126	98.7%	(75-125)	0.476%	(20)	06/19/07 16:36			
Surrogate(s): 1-Chlorooctadecane		Recovery: 98.0%		Limits: 60-120%								06/19/07 16:36				
<b>Duplicate (7060082-DUP1)</b>													QC Source: AQF0048-04		Extracted: 06/19/07 08:35	
Diesel Range Organics	AK 102	ND	---	20.0	mg/kg dry	1x	ND	--	--	--	27.8%	(20)	06/19/07 14:25	R4		
Surrogate(s): 1-Chlorooctadecane		Recovery: 85.7%		Limits: 50-150%								06/19/07 14:25				
<b>Matrix Spike (7060082-MS1)</b>													QC Source: AQF0048-04		Extracted: 06/19/07 08:35	
Diesel Range Organics	AK 102	181	---	20.0	mg/kg dry	1x	12.6	176	96.1%	(75-125)	--	--	06/19/07 15:31			
Surrogate(s): 1-Chlorooctadecane		Recovery: 95.3%		Limits: 50-150%								06/19/07 15:31				
<b>Matrix Spike Dup (7060082-MSD1)</b>													QC Source: AQF0048-04		Extracted: 06/19/07 08:35	
Diesel Range Organics	AK 102	165	---	20.0	mg/kg dry	1x	12.6	165	92.0%	(75-125)	9.61%	(25)	06/19/07 16:03			
Surrogate(s): 1-Chlorooctadecane		Recovery: 90.8%		Limits: 50-150%								06/19/07 16:03				

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	Project Number:	32-1-1715	
	Project Manager:	Jessica Busey	

**Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results**  
 TestAmerica - Anchorage, AK

QC Batch: 7060084      Soil Preparation Method: \*\*\* DEFAULT PREP

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Duplicate (7060084-DUP1)</b>			QC Source: AQF0081-11				Extracted: 06/19/07 10:40							
Dry Weight	TA-SOP	76.0	--	1.00	%	1x	74.8	--	--	--	1.50%	(25)	06/19/07 16:29	

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**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

QC Batch: 7060794      Soil Preparation Method: EPA 5035A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (7060794-BLK1)</b>													Extracted: 06/19/07 12:25	
Acetone	EPA 8260B	ND	144	2500	ug/kg wet	1x	--	--	--	--	--	--	06/19/07 16:29	
Benzene	"	ND	4.43	20.0	"	"	--	--	--	--	--	--		
Bromobenzene	"	ND	12.2	99.8	"	"	--	--	--	--	--	--		
Bromochloromethane	"	ND	16.4	99.8	"	"	--	--	--	--	--	--		
Bromodichloromethane	"	ND	10.2	99.8	"	"	--	--	--	--	--	--		
Bromoforn	"	ND	15.8	99.8	"	"	--	--	--	--	--	--		
Bromomethane	"	ND	5.08	499	"	"	--	--	--	--	--	--		
2-Butanone (MEK)	"	ND	148	998	"	"	--	--	--	--	--	--		
n-Butylbenzene	"	ND	11.3	499	"	"	--	--	--	--	--	--		
sec-Butylbenzene	"	ND	7.44	99.8	"	"	--	--	--	--	--	--		
tert-Butylbenzene	"	ND	15.2	99.8	"	"	--	--	--	--	--	--		
Carbon disulfide	"	ND	7.18	998	"	"	--	--	--	--	--	--		
Carbon tetrachloride	"	ND	7.63	99.8	"	"	--	--	--	--	--	--		
Chlorobenzene	"	ND	8.08	99.8	"	"	--	--	--	--	--	--		
Chloroethane	"	ND	10.7	99.8	"	"	--	--	--	--	--	--		
Chloroform	"	ND	7.25	99.8	"	"	--	--	--	--	--	--		
Chloromethane	"	ND	6.71	499	"	"	--	--	--	--	--	--		
2-Chlorotoluene	"	ND	11.0	99.8	"	"	--	--	--	--	--	--		
4-Chlorotoluene	"	ND	10.4	99.8	"	"	--	--	--	--	--	--		
1,2-Dibromo-3-chloropropane	"	ND	26.0	499	"	"	--	--	--	--	--	--		
Dibromochloromethane	"	ND	11.2	99.8	"	"	--	--	--	--	--	--		
1,2-Dibromoethane	"	ND	11.6	99.8	"	"	--	--	--	--	--	--		
Dibromomethane	"	ND	14.7	99.8	"	"	--	--	--	--	--	--		
1,2-Dichlorobenzene	"	ND	14.4	99.8	"	"	--	--	--	--	--	--		
1,3-Dichlorobenzene	"	ND	5.85	99.8	"	"	--	--	--	--	--	--		
1,4-Dichlorobenzene	"	ND	14.9	99.8	"	"	--	--	--	--	--	--		
Dichlorodifluoromethane	"	ND	11.8	499	"	"	--	--	--	--	--	--		
1,1-Dichloroethane	"	ND	11.9	99.8	"	"	--	--	--	--	--	--		
1,2-Dichloroethane	"	ND	11.2	99.8	"	"	--	--	--	--	--	--		
1,1-Dichloroethene	"	ND	11.9	99.8	"	"	--	--	--	--	--	--		
cis-1,2-Dichloroethene	"	ND	12.6	99.8	"	"	--	--	--	--	--	--		
trans-1,2-Dichloroethene	"	ND	8.96	99.8	"	"	--	--	--	--	--	--		
1,2-Dichloropropane	"	ND	7.44	99.8	"	"	--	--	--	--	--	--		
1,3-Dichloropropane	"	ND	17.4	99.8	"	"	--	--	--	--	--	--		
2,2-Dichloropropane	"	ND	8.08	99.8	"	"	--	--	--	--	--	--		
1,1-Dichloropropene	"	ND	10.9	99.8	"	"	--	--	--	--	--	--		
cis-1,3-Dichloropropene	"	ND	4.94	99.8	"	"	--	--	--	--	--	--		
trans-1,3-Dichloropropene	"	ND	8.28	99.8	"	"	--	--	--	--	--	--		
Ethylbenzene	"	ND	9.38	99.8	"	"	--	--	--	--	--	--		

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**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

QC Batch: 7060794      Soil Preparation Method: EPA 5035A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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Blank (7060794-BLK1)													Extracted: 06/19/07 12:25	
Hexachlorobutadiene	EPA 8260B	ND	69.3	399	ug/kg wet	1x	--	--	--	--	--	--	06/19/07 16:29	
2-Hexanone	"	ND	57.1	998	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	9.53	200	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	9.66	200	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	117	499	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	11.9	99.8	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	250	499	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	14.1	200	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	9.87	99.8	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	8.88	99.8	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	9.24	99.8	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	21.1	99.8	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	16.9	99.8	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	6.28	99.8	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	16.9	99.8	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	21.4	99.8	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	6.12	99.8	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	18.1	99.8	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	12.0	99.8	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	8.96	99.8	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	49.1	99.8	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	6.74	99.8	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	9.32	99.8	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	5.73	99.8	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	11.6	99.8	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	11.4	200	"	"	--	--	--	--	--	--	"	
Surrogate(s):	4-BFB	Recovery:	98.4%	Limits:	75-125%	0.01x							06/19/07 16:29	
	1,2-DCA-d4		102%		75-125%	"							"	
	Dibromofluoromethane		95.0%		75-125%	"							"	
	Toluene-d8		101%		75-125%	"							"	

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 Rachel J James For Troy J. Engstrom, Manager





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**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

QC Batch: 7060794      Soil Preparation Method: EPA 5035A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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**LCS (7060794-BS1)**      **QC Source: AQP0081-01**      **Extracted: 06/19/07 12:25**

Benzene	EPA 8260B	2090	4.43	20.0	ug/kg wet	1x	--	2000	105%	(81.9-125)	--	--	06/19/07 13:44	
Chlorobenzene	"	1940	8.08	99.8	"	"	--	"	97.3%	(79.2-125)	--	--	"	
1,1-Dichloroethene	"	1880	11.9	99.8	"	"	--	"	94.1%	(66.1-125)	--	--	"	
Toluene	"	1940	6.28	99.8	"	"	--	"	97.2%	(80-125)	--	--	"	
Trichloroethene	"	1890	12.0	99.8	"	"	--	"	94.8%	(76-125)	--	--	"	
<i>Surrogate(s): 4-BFB</i>		<i>Recovery:</i>	<i>97.8%</i>	<i>Limits: 75-125% 0.01x</i>									<i>06/19/07 13:44</i>	
<i>1,2-DCA-d4</i>			<i>99.5%</i>	<i>75-125%</i>									<i>"</i>	
<i>Dibromofluoromethane</i>			<i>98.2%</i>	<i>75-125%</i>									<i>"</i>	
<i>Toluene-d8</i>			<i>98.5%</i>	<i>75-125%</i>									<i>"</i>	

**Matrix Spike (7060794-MS1)**      **QC Source: AQP0081-01**      **Extracted: 06/19/07 12:25**

Benzene	EPA 8260B	1040	2.15	9.71	ug/kg dry	1x	ND	971	107%	(68.5-125)	--	--	06/19/07 14:12	
Chlorobenzene	"	943	3.93	48.5	"	"	ND	"	97.1%	(65.9-125)	--	--	"	
1,1-Dichloroethene	"	922	5.78	48.5	"	"	ND	"	95.0%	(55.8-125)	--	--	"	
Toluene	"	955	3.05	48.5	"	"	4.85	"	97.9%	(70.3-125)	--	--	"	
Trichloroethene	"	1140	5.82	48.5	"	"	163	"	100%	(65.5-125)	--	--	"	
<i>Surrogate(s): 4-BFB</i>		<i>Recovery:</i>	<i>99.6%</i>	<i>Limits: 75-125% 0.01x</i>									<i>06/19/07 14:12</i>	
<i>1,2-DCA-d4</i>			<i>98.1%</i>	<i>75-125%</i>									<i>"</i>	
<i>Dibromofluoromethane</i>			<i>99.0%</i>	<i>75-125%</i>									<i>"</i>	
<i>Toluene-d8</i>			<i>99.7%</i>	<i>75-125%</i>									<i>"</i>	

**Matrix Spike Dup (7060794-MSD1)**      **QC Source: AQP0081-01**      **Extracted: 06/19/07 12:25**

Benzene	EPA 8260B	1020	2.15	9.71	ug/kg dry	1x	ND	971	106%	(68.5-125)	1.65% (25)		06/19/07 14:39	
Chlorobenzene	"	964	3.93	48.5	"	"	ND	"	99.3%	(65.9-125)	2.24%	"	"	
1,1-Dichloroethene	"	922	5.78	48.5	"	"	ND	"	95.0%	(55.8-125)	0.00%	"	"	
Toluene	"	983	3.05	48.5	"	"	4.85	"	101%	(70.3-125)	2.85%	"	"	
Trichloroethene	"	1110	5.82	48.5	"	"	163	"	97.5%	(65.5-125)	2.55%	"	"	
<i>Surrogate(s): 4-BFB</i>		<i>Recovery:</i>	<i>101%</i>	<i>Limits: 75-125% 0.01x</i>									<i>06/19/07 14:39</i>	
<i>1,2-DCA-d4</i>			<i>97.0%</i>	<i>75-125%</i>									<i>"</i>	
<i>Dibromofluoromethane</i>			<i>97.1%</i>	<i>75-125%</i>									<i>"</i>	
<i>Toluene-d8</i>			<i>102%</i>	<i>75-125%</i>									<i>"</i>	

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

QC Batch: 7060834      Soil Preparation Method: EPA 5035A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7060834-BLK1)													Extracted: 06/20/07 11:00	
Acetone	EPA 8260B	ND	144	2490	ug/kg wet	1x	--	--	--	--	--	--	06/20/07 12:56	
Benzene	"	ND	4.43	19.9	"	"	--	--	--	--	--	--		
Bromobenzene	"	ND	12.2	99.7	"	"	--	--	--	--	--	--		
Bromochloromethane	"	ND	16.4	99.7	"	"	--	--	--	--	--	--		
Bromodichloromethane	"	ND	10.2	99.7	"	"	--	--	--	--	--	--		
Bromoform	"	ND	15.8	99.7	"	"	--	--	--	--	--	--		
Bromomethane	"	ND	5.08	499	"	"	--	--	--	--	--	--		
2-Butanone (MEK)	"	ND	148	997	"	"	--	--	--	--	--	--		
n-Butylbenzene	"	ND	11.3	499	"	"	--	--	--	--	--	--		
sec-Butylbenzene	"	ND	7.43	99.7	"	"	--	--	--	--	--	--		
tert-Butylbenzene	"	ND	15.2	99.7	"	"	--	--	--	--	--	--		
Carbon disulfide	"	ND	7.17	997	"	"	--	--	--	--	--	--		
Carbon tetrachloride	"	ND	7.62	99.7	"	"	--	--	--	--	--	--		
Chlorobenzene	"	ND	8.07	99.7	"	"	--	--	--	--	--	--		
Chloroethane	"	ND	10.7	99.7	"	"	--	--	--	--	--	--		
Chloroform	"	ND	7.24	99.7	"	"	--	--	--	--	--	--		
Chloromethane	"	ND	6.70	499	"	"	--	--	--	--	--	--		
2-Chlorotoluene	"	ND	11.0	99.7	"	"	--	--	--	--	--	--		
4-Chlorotoluene	"	ND	10.4	99.7	"	"	--	--	--	--	--	--		
1,2-Dibromo-3-chloropropane	"	ND	25.9	499	"	"	--	--	--	--	--	--		
Dibromochloromethane	"	ND	11.2	99.7	"	"	--	--	--	--	--	--		
1,2-Dibromoethane	"	ND	11.6	99.7	"	"	--	--	--	--	--	--		
Dibromomethane	"	ND	14.7	99.7	"	"	--	--	--	--	--	--		
1,2-Dichlorobenzene	"	ND	14.4	99.7	"	"	--	--	--	--	--	--		
1,3-Dichlorobenzene	"	ND	5.84	99.7	"	"	--	--	--	--	--	--		
1,4-Dichlorobenzene	"	ND	14.9	99.7	"	"	--	--	--	--	--	--		
Dichlorodifluoromethane	"	ND	11.8	499	"	"	--	--	--	--	--	--		
1,1-Dichloroethane	"	ND	11.9	99.7	"	"	--	--	--	--	--	--		
1,2-Dichloroethane	"	ND	11.2	99.7	"	"	--	--	--	--	--	--		
1,1-Dichloroethene	"	ND	11.9	99.7	"	"	--	--	--	--	--	--		
cis-1,2-Dichloroethene	"	ND	12.6	99.7	"	"	--	--	--	--	--	--		
trans-1,2-Dichloroethene	"	ND	8.94	99.7	"	"	--	--	--	--	--	--		
1,2-Dichloropropane	"	ND	7.43	99.7	"	"	--	--	--	--	--	--		
1,3-Dichloropropane	"	ND	17.4	99.7	"	"	--	--	--	--	--	--		
2,2-Dichloropropane	"	ND	8.07	99.7	"	"	--	--	--	--	--	--		
1,1-Dichloropropene	"	ND	10.9	99.7	"	"	--	--	--	--	--	--		
cis-1,3-Dichloropropene	"	ND	4.94	99.7	"	"	--	--	--	--	--	--		
trans-1,3-Dichloropropene	"	ND	8.27	99.7	"	"	--	--	--	--	--	--		
Ethylbenzene	"	ND	9.37	99.7	"	"	--	--	--	--	--	--		

TestAmerica - Anchorage, AK

*RJ*

Rachel J James For Troy J. Engstrom, Manager

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<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Buscy	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

**QC Batch: 7060834      Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (7060834-BLK1)</b>										Extracted: 06/20/07 11:00				
Hexachlorobutadiene	EPA 8260B	ND	69.2	399	ug/kg wet	1x	--	--	--	--	--	--	06/20/07 12:56	
2-Hexanone	"	ND	57.0	997	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	9.52	199	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	9.65	199	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	117	499	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	11.9	99.7	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	249	499	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	14.1	199	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	9.86	99.7	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	8.87	99.7	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	9.22	99.7	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	21.0	99.7	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	16.9	99.7	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	6.27	99.7	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	16.9	99.7	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	21.3	99.7	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	6.11	99.7	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	18.0	99.7	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	12.0	99.7	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	8.94	99.7	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	49.1	99.7	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	6.73	99.7	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	9.30	99.7	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	5.72	99.7	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	11.6	99.7	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	11.4	199	"	"	--	--	--	--	--	--	"	

Surrogate(s):	4-BFB	Recovery:	98.0%	Limits:	75-125% 0.01x	06/20/07 12:56
	1,2-DCA-d4		99.4%		75-125% "	"
	Dibromofluoromethane		91.4%		75-125% "	"
	Toluene-d8		99.9%		75-125% "	"

TestAmerica - Anchorage, AK

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Buscy	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

QC Batch: 7060834      Soil Preparation Method: EPA 5035A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>LCS (7060834-BS1)</b>														
												Extracted: 06/20/07 11:00		
Benzene	EPA 8260B	2050	4.43	19.9	ug/kg wet	1x	--	1990	103%	(81.9-125)	--	--	06/20/07 22:31	
Chlorobenzene	"	1920	8.07	99.7	"	"	--	"	96.4%	(79.2-125)	--	--	"	
1,1-Dichloroethene	"	1770	11.9	99.7	"	"	--	"	88.7%	(66.1-125)	--	--	"	
Toluene	"	1890	6.27	99.7	"	"	--	"	94.9%	(80-125)	--	--	"	
Trichloroethene	"	2090	12.0	99.7	"	"	--	"	105%	(76-125)	--	--	"	
<i>Surrogate(s): 4-BFB</i>		<i>Recovery: 105%</i>			<i>Limits: 75-125% 0.01x</i>								06/20/07 22:31	
<i>1,2-DCA-d4</i>		<i>95.0%</i>			<i>75-125% "</i>								"	
<i>Dibromofluoromethane</i>		<i>97.1%</i>			<i>75-125% "</i>								"	
<i>Toluene-d8</i>		<i>100%</i>			<i>75-125% "</i>								"	

<b>Matrix Spike (7060834-MS1)</b>														
												QC Source: AQF0081-16		
												Extracted: 06/20/07 11:00		
Benzene	EPA 8260B	823	1.66	7.48	ug/kg dry	1x	ND	748	110%	(68.5-125)	--	--	06/20/07 22:58	
Chlorobenzene	"	752	3.03	37.4	"	"	ND	"	101%	(65.9-125)	--	--	"	
1,1-Dichloroethene	"	732	4.45	37.4	"	"	ND	"	97.8%	(55.8-125)	--	--	"	
Toluene	"	759	2.35	37.4	"	"	ND	"	102%	(70.3-125)	--	--	"	
Trichloroethene	"	834	4.49	37.4	"	"	ND	"	112%	(65.5-125)	--	--	"	
<i>Surrogate(s): 4-BFB</i>		<i>Recovery: 101%</i>			<i>Limits: 75-125% 0.01x</i>								06/20/07 22:58	
<i>1,2-DCA-d4</i>		<i>90.8%</i>			<i>75-125% "</i>								"	
<i>Dibromofluoromethane</i>		<i>92.3%</i>			<i>75-125% "</i>								"	
<i>Toluene-d8</i>		<i>98.9%</i>			<i>75-125% "</i>								"	

<b>Matrix Spike Dup (7060834-MSD1)</b>														
												QC Source: AQF0081-16		
												Extracted: 06/20/07 11:00		
Benzene	EPA 8260B	808	1.66	7.48	ug/kg dry	1x	ND	748	108%	(68.5-125)	1.83% (25)		06/20/07 23:26	
Chlorobenzene	"	741	3.03	37.4	"	"	ND	"	99.0%	(65.9-125)	1.55%	"	"	
1,1-Dichloroethene	"	711	4.45	37.4	"	"	ND	"	95.0%	(55.8-125)	2.85%	"	"	
Toluene	"	744	2.35	37.4	"	"	ND	"	99.4%	(70.3-125)	2.04%	"	"	
Trichloroethene	"	810	4.49	37.4	"	"	ND	"	108%	(65.5-125)	2.91%	"	"	
<i>Surrogate(s): 4-BFB</i>		<i>Recovery: 104%</i>			<i>Limits: 75-125% 0.01x</i>								06/20/07 23:26	
<i>1,2-DCA-d4</i>		<i>89.8%</i>			<i>75-125% "</i>								"	
<i>Dibromofluoromethane</i>		<i>94.0%</i>			<i>75-125% "</i>								"	
<i>Toluene-d8</i>		<i>100%</i>			<i>75-125% "</i>								"	

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*RJ*

Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

QC Batch: 7060888      Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (7060888-BLK1)</b>													Extracted: 06/21/07 09:36	
Acetone	EPA 8260B	ND	7.76	25.0	ug/l	1x	--	--	--	--	--	--	06/21/07 12:32	
Benzene	"	ND	0.0900	1.00	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	0.100	1.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	0.180	1.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	0.110	1.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	0.100	1.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	0.170	5.00	"	"	--	--	--	--	--	--	"	
2-Butanone (MEK)	"	ND	3.50	10.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	0.0600	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	0.0800	1.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	0.0600	1.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	0.140	1.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	0.0600	1.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	0.0500	1.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	0.110	1.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	0.0900	1.00	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	0.0800	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	0.0700	1.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	0.110	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	2.35	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	0.0700	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	0.110	1.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	0.100	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	0.0700	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	0.0600	1.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	0.120	1.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	0.110	5.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	0.0800	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	0.100	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	0.120	1.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	0.0900	1.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	0.100	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	0.110	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	0.140	1.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	0.0900	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	0.0800	1.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	0.0900	1.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	0.100	1.00	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	0.0600	1.00	"	"	--	--	--	--	--	--	"	

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*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
--	---	-----------------------------------

**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

QC Batch: 7060888      Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (7060888-BLK1)</b>										Extracted: 06/21/07 09:36				
Hexachlorobutadiene	EPA 8260B	ND	0.210	4.00	ug/l	1x	--	--	--	--	--	--	06/21/07 12:32	
2-Hexanone	"	ND	3.62	10.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	0.0700	2.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	0.0600	2.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	0.290	5.00	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	0.0900	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	0.160	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	0.0900	2.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	0.100	1.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	0.0400	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	0.0900	1.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	0.0800	1.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	0.110	1.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	0.110	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	0.100	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	0.110	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	0.120	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	0.130	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	0.0800	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	0.0600	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	0.130	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	0.0800	1.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	0.0700	1.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	0.100	1.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	0.0700	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	0.210	2.00	"	"	--	--	--	--	--	--	"	
Surrogate(s):	4-BFB	Recovery:	96.8%	Limits:	80-120%	"							06/21/07 12:32	
	1,2-DCA-d4		92.8%		80-120%	"							"	
	Dibromofluoromethane		94.8%		80-120%	"							"	
	Toluene-d8		93.8%		80-120%	"							"	

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

**QC Batch: 7060888**      **Water Preparation Method: EPA 5030B**

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

**LCS (7060888-BS1)**      **Extracted: 06/21/07 09:36**

Benzene	EPA 8260B	21.0	0.0900	1.00	ug/l	1x	--	20.0	105%	(80-120)	--	--	06/21/07 10:44	
Chlorobenzene	"	20.3	0.0500	1.00	"	"	--	"	102%	(80-124)	--	--	"	
1,1-Dichloroethene	"	18.6	0.120	1.00	"	"	--	"	93.0%	(78-120)	--	--	"	
Toluene	"	20.2	0.110	1.00	"	"	--	"	101%	(80-124)	--	--	"	
Trichloroethene	"	19.1	0.0800	1.00	"	"	--	"	95.6%	(80-132)	--	--	"	
<i>Surrogate(s): 4-BFB</i>		<i>Recovery:</i>	<i>101%</i>	<i>Limits:</i>	<i>80-120%</i>	<i>"</i>							<i>06/21/07 10:44</i>	
<i>1,2-DCA-d4</i>			<i>92.6%</i>		<i>80-120%</i>	<i>"</i>							<i>"</i>	
<i>Dibromofluoromethane</i>			<i>97.3%</i>		<i>80-120%</i>	<i>"</i>							<i>"</i>	
<i>Toluene-d8</i>			<i>94.6%</i>		<i>80-120%</i>	<i>"</i>							<i>"</i>	

**Matrix Spike (7060888-MS1)**      **QC Source: AQF0081-25**      **Extracted: 06/21/07 09:36**

Benzene	EPA 8260B	22.3	0.0900	1.00	ug/l	1x	0.130	20.0	111%	(80-124)	--	--	06/21/07 11:11	
Chlorobenzene	"	21.5	0.0500	1.00	"	"	ND	"	107%	(72.9-134)	--	--	"	
1,1-Dichloroethene	"	19.9	0.120	1.00	"	"	ND	"	99.4%	(79.3-127)	--	--	"	
Toluene	"	21.5	0.110	1.00	"	"	ND	"	108%	(79.7-131)	--	--	"	
Trichloroethene	"	57.1	0.0800	1.00	"	"	36.4	"	104%	(68.4-130)	--	--	"	
<i>Surrogate(s): 4-BFB</i>		<i>Recovery:</i>	<i>103%</i>	<i>Limits:</i>	<i>80-120%</i>	<i>"</i>							<i>06/21/07 11:11</i>	
<i>1,2-DCA-d4</i>			<i>93.8%</i>		<i>80-120%</i>	<i>"</i>							<i>"</i>	
<i>Dibromofluoromethane</i>			<i>98.2%</i>		<i>80-120%</i>	<i>"</i>							<i>"</i>	
<i>Toluene-d8</i>			<i>95.1%</i>		<i>80-120%</i>	<i>"</i>							<i>"</i>	

**Matrix Spike Dup (7060888-MSD1)**      **QC Source: AQF0081-25**      **Extracted: 06/21/07 09:36**

Benzene	EPA 8260B	21.3	0.0900	1.00	ug/l	1x	0.130	20.0	106%	(80-124)	4.63%	(25)	06/21/07 11:38	
Chlorobenzene	"	20.7	0.0500	1.00	"	"	ND	"	103%	(72.9-134)	3.75%	"	"	
1,1-Dichloroethene	"	18.7	0.120	1.00	"	"	ND	"	93.4%	(79.3-127)	6.12%	"	"	
Toluene	"	20.4	0.110	1.00	"	"	ND	"	102%	(79.7-131)	5.05%	"	"	
Trichloroethene	"	55.0	0.0800	1.00	"	"	36.4	"	93.4%	(68.4-130)	3.64%	"	"	
<i>Surrogate(s): 4-BFB</i>		<i>Recovery:</i>	<i>100%</i>	<i>Limits:</i>	<i>80-120%</i>	<i>"</i>							<i>06/21/07 11:38</i>	
<i>1,2-DCA-d4</i>			<i>93.2%</i>		<i>80-120%</i>	<i>"</i>							<i>"</i>	
<i>Dibromofluoromethane</i>			<i>98.3%</i>		<i>80-120%</i>	<i>"</i>							<i>"</i>	
<i>Toluene-d8</i>			<i>94.4%</i>		<i>80-120%</i>	<i>"</i>							<i>"</i>	

TestAmerica - Anchorage, AK

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.

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager



<b>Shannon &amp; Wilson, INC.</b> 5430 Fairbanks Street, Suite 3 Anchorage, AK/USA 99518	Project Name: <b>N. Stika &amp; Spar</b> Project Number: 32-1-1715 Project Manager: Jessica Busey	Report Created: 07/12/07 09:04
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**Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

**QC Batch: 7060824      Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
<b>Duplicate (7060824-DUP1)</b>			QC Source: AQF0081-06					Extracted: 06/19/07 18:31							
% Solids	NCA SOP	94.6	---	0.00	% by Weight	1x	96.2	--	--	--	1.68%	(20)	06/19/07 18:31		

**QC Batch: 7060825      Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
<b>Duplicate (7060825-DUP1)</b>			QC Source: AQF0081-03					Extracted: 06/19/07 18:32							
% Solids	NCA SOP	95.8	---	0.00	% by Weight	1x	95.6	--	--	--	0.209%	(20)	06/19/07 18:32		

*RJ*  
 Rachel J James For Troy J. Engstrom, Manager





**Shannon & Wilson, INC.**

5430 Fairbanks Street, Suite 3  
Anchorage, AK/USA 99518

Project Name: **N. Stika & Spar**

Project Number: 32-1-1715

Project Manager: Jessica Busey

Report Created:

07/12/07 09:04

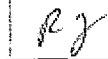
## Notes and Definitions

### Report Specific Notes:

- A-01 - Sample pH is greater than 2.
- J - Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
- R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
- RL1 - Reporting limit raised due to sample matrix effects.

### 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. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- 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.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.



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 Laboratory **TEST AMERICA**  
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# CHAIN-OF-CUSTODY RECORD



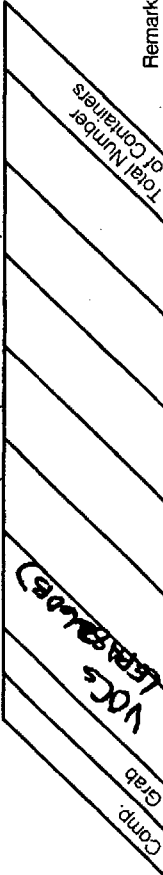
**SHANNON & WILSON, INC.**  
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 400 N. 34th Street, Suite 100  
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2043 Westport Center Drive  
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 (907) 307-4140

303 Wellesian Way  
 Richland, WA 99352  
 (509) 946-6309

Analysis Parameters/Sample Container Description  
 (include preservative if used)



Sample Identity	Lab No.	Time	Date Sampled	Comp.	Grab	Remarks/Matrix	Total Number of Containers
17125-BIS1	-01	8:40	6/14/07	X	X	SOIL	2
"	-02	8:45	6/14/07	X	X		2
"	-03	9:10	6/14/07	X	X		2
"	-04	9:15	6/14/07	X	X		2
"	-05	9:45	6/14/07	X	X		2
"	-06	9:50	6/14/07	X	X		2
"	-07	12:50	6/14/07	X	X		2
"	-08	12:55	6/14/07	X	X		2
"	-09	13:20	6/14/07	X	X		2
"	-0962	13:25	6/14/07	X	X		2

**Project Information**  
 Project Number: 32-117125  
 Project Name: H. Street  
 Contact: Jessica Bixey  
 Ongoing Project? Yes  No   
 Sampler: JEB/LPT

**Sample Receipt**  
 Total Number of Containers: \_\_\_\_\_  
 COC Seals/Intact? Y/N/NA: \_\_\_\_\_  
 Received Good Cond./Cold: \_\_\_\_\_  
 Delivery Method: \_\_\_\_\_  
 (attach shipping bill, if any)

**Instructions**  
 Requested Turnaround Time: STANDARD  
 Special Instructions: LEVEL II DELIVERABLES

**Relinquished By: 1**  
 Signature: Jessica Bixey  
 Printed Name: JESSICA BIXEY  
 Company: Shannon & Wilson  
 Time: 16:55  
 Date: 6/15/07

**Relinquished By: 2**  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Date: \_\_\_\_\_

**Relinquished By: 3**  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Date: \_\_\_\_\_

**Received By: 1**  
 Signature: David Houston  
 Printed Name: David Houston  
 Company: \_\_\_\_\_  
 Time: 16:55  
 Date: 6-15-07

**Received By: 2**  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Date: \_\_\_\_\_

**Received By: 3**  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Date: \_\_\_\_\_

Distribution: White - w/shipment - returned to Shannon & Wilson w/ laboratory report  
 Yellow - w/shipment - for consignee files  
 Pink - Shannon & Wilson - Job File

AQF0081

# CHAIN-OF-CUSTODY RECORD

**SHANNON & WILSON, INC.**  
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1200 17th Street, Suite 1024  
 Denver, Co 80202  
 (303) 825-3800

303 Wellesian Way  
 Richland, WA 99352  
 (509) 946-6509

Analysis Parameters/Sample Container Description  
 (include preservative if used)

Comp.	Grab	JOC's	EPA 8240B	GRD	TKIC	TK107	Total Number of Containers	Remarks/Matrix
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Sample ID	Lab No.	Time	Date Sampled	Comp.	Grab	JOC's	EPA 8240B	GRD	TKIC	TK107	Total Number of Containers	Remarks/Matrix
17125-B10S1	-11	14:00	6/14/07	X	X	X	X	X	X	X	4	SOIL
-B10S2	-12	14:10	6/14/07	X	X	X	X	X	X	X	2	
-B10S3	-13	15:10	6/14/07	X	X	X	X	X	X	X	2	
-B10S4	-14	15:20	6/14/07	X	X	X	X	X	X	X	2	
-B10S5	-15	12:45	6/15/07	X	X	X	X	X	X	X	2	
-B10S6	-16	12:50	6/15/07	X	X	X	X	X	X	X	2	
-B10S7	-17	12:15	6/15/07	X	X	X	X	X	X	X	2	
-B10S8	-18	12:20	6/15/07	X	X	X	X	X	X	X	2	
-B10S9	-19	10:15	6/15/07	X	X	X	X	X	X	X	2	
-B10S2	-20	10:20	6/15/07	X	X	X	X	X	X	X	2	

Project Information	Sample Receipt	Relinquished By: 1	Relinquished By: 2	Relinquished By: 3
Project Number: 32-17125	Total Number of Containers	Signature: <i>Jessica Buser</i>	Signature: _____	Signature: _____
Project Name: N. Sittka Sp	COC Seals/Intact? Y/N/NA	Date: 6/15/07	Date: _____	Date: _____
Contact: Jessica Buser	Received Good Cond./Cold	Printed Name: JESSICA BUSER	Printed Name: _____	Printed Name: _____
Ongoing Project? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Delivery Method:	Company: Shannon & Wilson	Company: _____	Company: _____
Sampler: JEB/NPT	(attach shipping bill, if any)	Signature: <i>Shannon Wilson</i>	Signature: _____	Signature: _____
Instructions	Requested Turnaround Time: STANDARD	Received By: 1	Received By: 2	Received By: 3
Special Instructions: LEVEL II DELIVERABLES		Signature: <i>David Houston</i>	Signature: _____	Signature: _____
Distribution: White - w/shipment - returned to Shannon & Wilson w/ laboratory report		Date: 6-15-07	Date: _____	Date: _____
Yellow - w/shipment - for consignee files		Printed Name: David Houston	Printed Name: _____	Printed Name: _____
Pink - Shannon & Wilson - Job File		Company: _____	Company: _____	Company: _____

4-20

AQF0081

Page 3 of 4  
 Laboratory Test America  
 Attn:

# CHAIN-OF-CUSTODY RECORD

**SHANNON & WILSON, INC.**  
 Geotechnical and Environmental Consultants

400 N. 34th Street, Suite 100  
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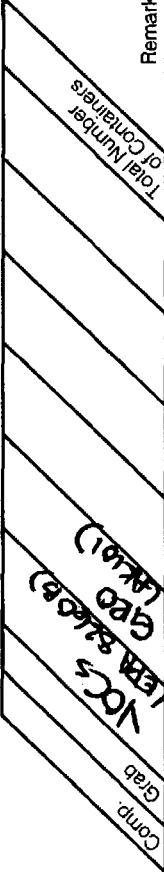
2043 Westport Center Drive  
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303 Wellisian Way  
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Analysis Parameters/Sample Container Description  
 (Include preservative if used)



Sample Identity	Lab No.	Time	Date Sampled	Comp. Gap	TCS (GAP)	TER (GAP)	Total Number of Containers	Remarks/Matrix
17125 - B1054	-21	10:25	6/15/07	X	X	X	2	SOIL
" - B1151	-22	9:15	6/15/07	X	X	X	2	SOIL
" - B1152	-23	9:20	6/15/07	X	X	X	2	SOIL
S1B1	-24	8:40	6/14/07	X	X	X	2	SOIL TRIP BLANK
S1B2	-24	8:40	6/14/07	X	X	X	1	SOIL TRIP BLANK
17125 - B1TW	-25	11:10	6/14/07	X	X	X	3	GROUNDWATER
" - B2TW	-24	11:25	6/14/07	X	X	X	3	
" - B3TW	-27	11:43	6/14/07	X	X	X	3	
" - B4TW	-28	14:35	6/14/07	X	X	X	3	
" - B5TW	-29	15:10	6/14/07	X	X	X	3	

Project Information	Sample Receipt	Relinquished By: 1	Relinquished By: 2	Relinquished By: 3
Project Number: 32-1-17125	Total Number of Containers	Signature: <i>Jessica Bursey</i>	Signature: _____	Signature: _____
Project Name: N. Sikea Spr	COC Seals/Intact? Y/N/NA	Printed Name: JESSICA BURSEY	Printed Name: _____	Printed Name: _____
Contact: Jessica Bursey	Received Good Cond./Cold	Date: 6/15/07	Date: _____	Date: _____
Ongoing Project? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Delivery Method:	Company: _____	Company: _____	Company: _____
Sampler: JEB/SPT	(attach shipping bill, if any)	Signature: <i>Shannon Wilson</i>	Signature: _____	Signature: _____
<b>Instructions</b>				
Requested Turnaround Time: STANDARD				
Special Instructions: LEVEL II DELIVERABLES				
Distribution: White - w/shipment - returned to Shannon & Wilson w/ laboratory report Yellow - w/shipment - for consignee files Pink - Shannon & Wilson - Job File				

No. 27902

AQF 0081

Page 4 of 4  
 Laboratory TEST AMERICA  
 Attn:

# CHAIN-OF-CUSTODY RECORD



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 (907) 561-2120

1200 17th Street, Suite 1024  
 Denver, Co 80202  
 (303) 825-3800

Analysis Parameters/Sample Container Description  
 (include preservative if used)

Sample Identity	Lab No.	Time	Date Sampled	Chain of Custody			Remarks/Matrix
				Comp. Grab	VIC (EPA 8160)	Total Number of Containers	
17125 - B6TW	44-30	16:20	6/14/07	X	X	8	GROUNDWATER
" - B7TW	44-31	17:15	6/14/07	X	X	3	
" - B8TW	44-32	14:10	6/15/07	X	X	3	
" - B9TW	44-33	18:55	6/15/07	X	X	3	
" - B10TW	44-34	11:35	6/16/07	X	X	3	
" - B11TW	44-35	11:10	6/15/07	X	X	3	
" - B12TW	44-36	11:40	6/15/07	X	X	3	
WTB1	44-37	11:10	6/14/07	X	X	4	WATER TRIP BLANK
WTB2		11:10	6/14/07	X	X		WATER TRIP BLANK

Project Information	Sample Receipt	Relinquished By: 1	Relinquished By: 2	Relinquished By: 3
Project Number: 32-17125	Total Number of Containers	Signature: <u>Jessica Bensen</u>	Signature: _____	Signature: _____
Project Name: N. S. H. + Sp. R.	COC Seals/Intact? Y/N/NA	Printed Name: <u>JESSICA BENSON</u>	Printed Name: _____	Printed Name: _____
Contact: <u>Jessica Bensen</u>	Received Good Cond./Cold	Company: <u>Shannon &amp; Wilson</u>	Company: _____	Company: _____
Ongoing Project? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Delivery Method:	Time: <u>16:55</u>	Time: _____	Time: _____
Sampler: <u>JB/JPT</u>	(attach shipping bill, if any)	Date: <u>6/15/07</u>	Date: _____	Date: _____
<b>Instructions</b>				
Requested Turnaround Time: <u>STANDARD</u>				
Special Instructions: <u>LEVEL II DELIVERABLES</u>				
Distribution: White - w/shipment - returned to Shannon & Wilson w/ laboratory report Yellow - w/shipment - for consignee files Pink - Shannon & Wilson - Job File				

# Test America Cooler Receipt Form

(Army Corps. Compliant)

WORK ORDER # AQF0081 CLIENT: Shannon & Wilson PROJECT: Sitka

Date / Time Cooler Arrived 6 / 15 / 07 16 : 55 Cooler signed for by: David Houston  
(Print name)

## Preliminary Examination Phase:

Date cooler opened:  same as date received or \_\_\_ / \_\_\_ / \_\_\_

Cooler opened by (print) David Houston (sign) David Houston

1. Delivered by  ALASKA AIRLINES  Fed-Ex  UPS  NAC  LYNDEN  CLIENT  Other: \_\_\_\_\_

Shipment Tracking # if applicable \_\_\_\_\_ (include copy of shipping papers in file)

2. Number of Custody Seals 0 Signed by \_\_\_\_\_ Date \_\_\_ / \_\_\_ / \_\_\_

Were custody seals unbroken and intact on arrival?  Yes  No

3. Were custody papers sealed in a plastic bag?  ~~Yes~~  No

4. Were custody papers filled out properly (ink, signed, etc.)?  Yes  No

5. Did you sign the custody papers in the appropriate place?  Yes  No

6. Was ice used?  Yes  No Type of ice:  blue ice  gel ice  real ice  dry ice Condition of Ice: icy

Temperature by Digi-Thermo Probe 3.4 °C Thermometer # REC#1

7. Packing in Cooler:  bubble wrap  styrofoam  cardboard  Other: \_\_\_\_\_

8. Did samples arrive in plastic bags?  Yes  No

9. Did all bottles arrive unbroken, and with labels in good condition?  Yes  No

10. Are all bottle labels complete (ID, date, time, etc.)?  Yes  No

11. Do bottle labels and Chain of Custody agree?  Yes  No

12. Are the containers and preservatives correct for the tests indicated?  Yes  No

13. Is there adequate volume for the tests requested?  Yes  No

14. Were VOA vials free of bubbles?  N/A  Yes  No  
If "NO" which containers contained "head space" or bubbles? \_\_\_\_\_

## Log-in Phase:

Date of sample log-in 6 / 15 / 07

Samples logged in by (print) Troy Engstrom (sign) Troy Engstrom

1. Was project identifiable from custody papers?  Yes  No

2. Do Turn Around Times and Due Dates agree?  Yes  No

3. Was the Project Manager notified of status?  Yes  No

4. Was the Lab notified of status?  Yes  No

5. Was the COC scanned and copied?  Yes  No

# Test America Cooler Receipt Form

(Army Corps. Compliant)

WORK ORDER # AQF0081

CLIENT: Shannon & Wilson

PROJECT: Sitka

Date/Time Cooler Arrived 6 / 15 / 07 16:55 Cooler signed for by: David Houston  
(Print name)

## Preliminary Examination Phase:

Date cooler opened:  same as date received or \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

Cooler opened by (print) David Houston (sign) David Houston

1. Delivered by  ALASKA AIRLINES  Fed-Ex  UPS  NAC  LYNDEN  CLIENT  Other: \_\_\_\_\_

Shipment Tracking # if applicable \_\_\_\_\_ (include copy of shipping papers in file)

2. Number of Custody Seals  Signed by \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

Were custody seals unbroken and intact on arrival?  Yes  No

3. Were custody papers sealed in a plastic bag?  Yes  No

4. Were custody papers filled out properly (ink, signed, etc.)?  Yes  No

5. Did you sign the custody papers in the appropriate place?  Yes  No

6. Was ice used?  Yes  No Type of ice:  blue ice  gel ice  real ice  dry ice Condition of Ice: icy

Temperature by Digi-Thermo Probe 4.2 °C Thermometer # Reg#4

7. Packing in Cooler:  bubble wrap  styrofoam  cardboard  Other: \_\_\_\_\_

8. Did samples arrive in plastic bags?  Yes  No

9. Did all bottles arrive unbroken, and with labels in good condition?  Yes  No

10. Are all bottle labels complete (ID, date, time, etc.)?  Yes  No

11. Do bottle labels and Chain of Custody agree?  Yes  No

12. Are the containers and preservatives correct for the tests indicated?  Yes  No

13. Is there adequate volume for the tests requested?  Yes  No

14. Were VOA vials free of bubbles?  N/A  Yes  No

If "NO" which containers contained "head space" or bubbles? \_\_\_\_\_

## Log-in Phase:

Date of sample log-in 6 / 15 / 07

Samples logged in by (print) Troy Engstrom (sign) Troy Engstrom

1. Was project identifiable from custody papers?  Yes  No

2. Do Turn Around Times and Due Dates agree?  Yes  No

3. Was the Project Manager notified of status?  Yes  No

4. Was the Lab notified of status?  Yes  No

5. Was the COC scanned and copied?  Yes  No

## Laboratory Data Review Checklist

### 1. Laboratory

a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?

Yes     No

Comments:

b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?

Yes     No

Comments:

### 2. Chain of Custody (COC)

a. COC information completed, signed, and dated (including released/received by)?

Yes     No

Comments:

VOC analyses done in TA's Portland, Oregon lab. CoC not signed by receiving lab.

b. Correct analyses requested?

Yes     No

Comments:

### 3. Laboratory Sample Receipt Documentation

a. Sample/cooler temperature documented and within range at receipt ( $4^{\circ} \pm 2^{\circ} \text{C}$ )?

Yes     No

Comments:

b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

Yes     No

Comments:

c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

Yes     No

Comments:

Samples arrived in good condition. No problems noted. Voas not checked for headspace (bubbles).



d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

Yes  No                      Comments:

NA

e. Data quality or usability affected? Explain.

Comments:

NA

#### 4. Case Narrative

a. Present and understandable?

Yes  No                      Comments:

b. Discrepancies, errors or QC failures identified by the lab?

Yes  No                      Comments:

Upon review of report, there did not appear to be any failures to note. For Samples B6TW, the pH was noted to be above 2.

c. Were all corrective actions documented?

Yes  No                      Comments:

NA

d. What is the effect on data quality/usability according to the case narrative?

Comments:

The MRL for Sample B6TW was below the cleanup level and GRO was not detected. The data quality was not affected.

#### 5. Samples Results

a. Correct analyses performed/reported as requested on COC?

Yes  No                      Comments:

b. All applicable holding times met?

Yes  No                      Comments:

c. All soils reported on a dry weight basis?

Yes  No

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes  No

Comments:

PQLs were greater than cleanup levels

e. Data quality or usability affected? Explain.

Comments:

Although PQLs exceeded cleanup levels, MDLs were acceptable. Estimated values were acceptable given the objectives of the project.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

Yes  No

Comments:

ii. All method blank results less than PQL?

Yes  No

Comments:

iii. If above PQL, what samples are affected?

Comments:

NA

iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes  No

Comments:

NA

v. Data quality or usability affected? Explain.

Comments:

NA

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples?

Yes  No                      Comments:

ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

Yes  No                      Comments:

NA

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes  No                      Comments:

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes  No                      Comments:

For the LCS duplicate sample, 7060082 -DUP1, the RPD did not provide useful information due to the low concentration of analyte.

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

NA

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes  No                      Comments:

NA

vii. Data quality or usability affected? Explain.

Comments:

NA

c. Surrogates – Organics Only

i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

Yes  No

Comments:

ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

Yes  No

Comments:

iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

Yes  No

Comments:

NA

iv. Data quality or usability affected? Explain.

Comments:

NA

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

i. One trip blank reported per matrix, analysis and cooler?

Yes  No

Comments:

ii. All results less than PQL?

Yes  No

Comments:

iii. If above PQL, what samples are affected?

Comments:

iv. Data quality or usability affected? Explain.

Comments:

No. Methylene Chloride detected in Trip Blank with water samples. This is a common lab contaminant. Concentrations of Methylene Chloride detected in water samples were less than cleanup levels

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

Yes  No

Comments:

A lower frequency approved in work plan.

ii. Submitted blind to lab?

Yes  No

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?  
(Recommended: 30% water, 50% soil)

$$RPD (\%) = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2) / 2)} \times 100$$

Where  $R_1$  = Sample Concentration  
 $R_2$  = Field Duplicate Concentration

Yes  No

Comments:

iv. Data quality or usability affected? Explain.

Comments:

NA

f. Decontamination or Equipment Blank (if applicable)

Yes  No  Not Applicable

i. All results less than PQL?

Yes  No

Comments:

ii. If above PQL, what samples are affected?

Comments:

NA

iii. Data quality or usability affected? Explain.

Comments:

NA

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

Yes  No

Comments:

Completed by:

Nicholas E. Protos

Title:

Sr. Environmental Engineer

Date:

August 22, 2007

CS Report Name:

Site Characterization, Solvent Groundwater Plume, N. Sitka St. and Spar  
Ave. Area, anchorage, Alaska

Report Date:

September 01, 2007

Consultant Firm:

Shannon & Wilson

Laboratory Name:

TestAmerica

Laboratory Report Number:

AQF0081

ADEC File Number:

NA

ADEC RecKey Number:

NA

**APPENDIX D**

**“IMPORTANT INFORMATION ABOUT YOUR  
GEOTECHNICAL/ENVIRONMENTAL REPORT”**



Dated: October 2007

To: Mr. Bill O'Connell

Re Site Characterization, Solvent Groundwater Plume,  
North Sitka Street and Spar Avenue Area,  
Anchorage, Alaska

## **Important Information About Your Environmental Site Assessment/Evaluation Report**

### **ENVIRONMENTAL SITE ASSESSMENTS/EVALUATIONS ARE PERFORMED FOR SPECIFIC PURPOSES AND FOR SPECIFIC CLIENTS.**

This report was prepared to meet the needs you specified with respect to your specific site and your risk management preferences. Unless indicated otherwise, we prepared your report expressly for you and for the purposes you indicated. No one other than you should use this report for any purpose without first conferring with us. No one is authorized to use this report for any purpose other than that originally contemplated without our prior written consent.

The findings and conclusions documented in this site assessment/evaluation have been prepared for specific application to this project and have been developed in a manner consistent with that level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in this area. The conclusions presented are based on interpretation of information currently available to us and are made within the operational scope, budget, and schedule constraints of this project. No warranty, express or implied, is made.

### **OUR REPORT IS BASED ON PROJECT-SPECIFIC FACTORS.**

Our environmental site assessment is based on several factors and may include (but not be limited to): reviewing public documents to chronicle site ownership for the past 30, 40, or more years; investigating the site's regulatory history to learn about permits granted or citations issued; determining prior uses of the site and those adjacent to it; reviewing available topographic and real estate maps, historical aerial photos, geologic information, and hydrologic data; reviewing readily available published information about surface and subsurface conditions; reviewing federal and state lists of known and potentially contaminated sites; evaluating the potential for naturally occurring hazards; and interviewing public officials, owners/operators, and/or adjacent owners with respect to local concerns and environmental conditions.

Except as noted within the text of the report, no sampling or quantitative laboratory testing was performed by us as part of this site assessment. Where such analyses were conducted by an outside laboratory, Shannon & Wilson relied upon the data provided and did not conduct an independent evaluation regarding the reliability of the data.

### **CONDITIONS CAN CHANGE.**

Site conditions, both surface and subsurface, may be affected as a result of natural processes or human influence. An environmental site assessment/evaluation is based on conditions that existed at the time of the evaluation. Because so many aspects of a historical review rely on third party information, most consultants will refuse to certify (warrant) that a site is free of contaminants, as it is impossible to know with absolute certainty if such a condition exists. Contaminants may be present in areas that were not surveyed or sampled, or may migrate to areas that showed no signs of contamination at the time they were studied.

Unless your consultant indicates otherwise, your report should not be construed to represent geotechnical subsurface conditions at or adjacent to the site and does not provide sufficient information for construction-related activities. Your report also should not be used following floods, earthquakes, or other acts of nature; if the size or configuration of the site is altered; if the location of the site is modified; or if there is a change of ownership and/or use of the property.



## **INCIDENTAL DAMAGE MAY OCCUR DURING SAMPLING ACTIVITIES.**

Incidental damage to a facility may occur during sampling activities. Asbestos and lead-based paint sampling often require destructive sampling of pipe insulation, floor tile, walls, doors, ceiling tile, roofing, and other building materials. Shannon & Wilson does not provide for paint repair. Limited repair of asbestos sample locations are provided. However, Shannon & Wilson neither warranties repairs made by our field personnel, nor are we held liable for injuries or damages as a result of those repairs. If you desire a specific form of repair, such as those provided by a licensed roofing contractor, you need to request the specific repair at the time of the proposal. The owner is responsible for repair methods that are not specified in the proposal.

## **READ RESPONSIBILITY CLAUSES CAREFULLY.**

Environmental site assessments/evaluations are less exact than other design disciplines because they are based extensively on judgment and opinion, and there may not have been any (or very limited) investigation of actual subsurface conditions. Wholly unwarranted claims have been lodged against consultants. To limit this exposure, consultants have developed a number of clauses for use in their contracts, reports, and other documents. These responsibility clauses are not exculpatory clauses designed to transfer the consultant's liabilities to other parties; rather, they are definitive clauses that identify where responsibilities begin and end. Their use helps all parties involved recognize their individual responsibilities and take appropriate action. Some of these definitive clauses may appear in this report, and you are encouraged to read them closely. Your consultant will be pleased to give full and frank answers to your questions.

Consultants cannot accept responsibility for problems that may develop if they are not consulted after factors considered in their reports have changed, or conditions at the site have changed. Therefore, it is incumbent upon you to notify your consultant of any factors that may have changed prior to submission of the final assessment/evaluation.

An assessment/evaluation of a site helps reduce your risk, but does not eliminate it. Even the most rigorous professional assessment may fail to identify all existing conditions.

## **ONE OF THE OBLIGATIONS OF YOUR CONSULTANT IS TO PROTECT THE SAFETY, HEALTH, PROPERTY, AND WELFARE OF THE PUBLIC.**

If our environmental site assessment/evaluation discloses the existence of conditions that may endanger the safety, health, property, or welfare of the public, we may be obligated under rules of professional conduct, statutory law, or common law to notify you and others of these conditions.

The preceding paragraphs are based on information provided by the  
ASFE/Association of Engineering Firms Practicing in the Geosciences, Silver Spring, Maryland