

Petersburg AFS Tard Farm

1521.38.005



SECOR

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l e t t e r o f t r a n s m i t t a l

attention: Mr. Bill Janes date: July 7, 2006

company: Alaska Department of Environmental Conservation

address: Alaska Department of Environmental Conservation
Contaminated Sites Program
Regulations and Technical Oversight Unit
410 Willoughby Avenue, Suite 303
P.O. Box 111800
Juneau, AK 99811-1800

RECEIVED
JUL 10 2006
DEC
SPAR-CS

project: ConocoPhillips Site # 0923 (Former Tosco Bulk Plant No. 0581)

re: Additional Site Investigation Report

enclosed:

- | | | | |
|-------------------------------------|-----------|-------------------------------------|------------------|
| <input type="checkbox"/> | Proposal | <input type="checkbox"/> | As Requested |
| <input type="checkbox"/> | Contract | <input checked="" type="checkbox"/> | Review |
| <input checked="" type="checkbox"/> | Report | <input type="checkbox"/> | Your Information |
| <input type="checkbox"/> | Letter | <input type="checkbox"/> | Approval |
| <input type="checkbox"/> | Work Plan | <input type="checkbox"/> | Signature |
| | | <input type="checkbox"/> | Return |
| | | <input type="checkbox"/> | Other: |

comments: Attached is the report for the Additional Site Investigation for ConocoPhillips Site No. 0923 (Former Tosco Bulk Plant No. 0581) located at 703 South Nordic Drive, Petersburg, Alaska. Should you have comments or questions, you can reach me at 425-372-1659 or khanson@secor.com or Marc Sauze at 425-636-6210 or msauze@secor.com.

Thank you,

signator: Katlin Hanson
title: Project Geologist



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July 7, 2006

Mr. Martin A. Cramer
ConocoPhillips Petroleum Company
5528 N.W. Doane Ave.
Portland, Oregon 97210

RECEIVED

JUL 10 2006

DE
SPAR-CS

RE: Additional Site Investigation
Former Tosco Bulk Plant No. 0581 (ConocoPhillips Site No. 923)
703 South Nordic Drive, Petersburg, Alaska

Dear Mr. Cramer:

The following presents the results of an additional site investigation performed by SECOR International, Inc. (SECOR). The work was completed from April 24th to April 28th at ConocoPhillips Site No. 0923, located at 703 South Nordic Drive, in Petersburg, Alaska (Figure 1).

SECOR completed the additional site investigation as part of the first phase of work under the scope of work described in SECOR's work plan dated March 27, 2006. The first phase included further assessment of in-situ impacted soil near the former loading rack and the concrete containment pad and the evaluation of soil quality in the on-site biotreatment pile (biopile). The results of the investigation are presented below.

SITE DESCRIPTION

The site is currently a non-operating bulk plant located at the southeast corner of the intersection between Mitkof Highway and Tango Street in Petersburg, Alaska (Figure 1). The site covers approximately 0.4 acres. The bulk plant was constructed in the 1930s and 1940s, and upgraded in 1994 and 1995. Unocal owned and operated the bulk plant until 1992. Alaska Fuel Service became the operator of the bulk plant in 1992. Unocal sold the property to Tosco in 1997. Tosco then sold the property to Alaska Fuel Service in August 1998. The current property owner and site operator is Petro Marine, who acquired the property from Alaska Fuel Service in 1999. Petro Marine removed the overhead loading rack from the site in 2000.

Existing site features include a warehouse with an attached platform area, a vacant office, seven aboveground storage tanks (ASTs) in a bermed tank farm area (one 70,700-gallon, one 108,000-gallon, one 189,000-gallon, and four 40,000-gallon ASTs installed on the site's east area during facility upgrade activities in July 1994), a pumping station associated with the ASTs, a marine transfer dock, a heating oil AST by the office, and two oil/water separators. The tank farm area and associated aboveground piping are surrounded by an 8-foot high concrete containment wall and is equipped with a concrete liner. Underground piping connects the AST pumping station to the marine dock. Former site features include the overhead truck loading rack, a garage, aboveground piping connecting the AST pumping station to the truck loading rack and nine ASTs (one 70,700-gallon, one 189,000-gallon, and seven 40,000-gallon ASTs) in a former tank farm area located directly west of the current tank farm. The 70,700-gallon and 189,000-gallon ASTs were apparently moved from the former tank farm area to the new tank farm in 1994.

As of January 2006, bulk plant terminal is not operating. Figure 2, attached, shows the current site configuration. Petro Marine is planning to remove piping and other structures at the site and remediation activities are planned to continue in 2006.

BACKGROUND

Several assessments of the site have been completed by various consultants over the years. GeoEngineers, Inc. (GeoEngineers) conducted environmental assessments at the site in May 1993 and March 1994 (prior to the removal of the former tank farm). Three hand auger borings (HB-1 through HB-3) and four test pits (TP-1 through TP-4) were advanced to depths ranging from 3.5 to 12 feet below grade near the treatment system shed on the north side of the soil biopile and east and west of the biopile in May 1993. Soil samples were collected at depths ranging from 2 to 10 feet below grade. Eight additional hand auger borings (HA-4 through HA-11) were advanced to depths ranging from 0.8 to 3 feet below grade in the former tank farm area in March 1994. Soil samples were collected from all borings except HA-7 at depths ranging from 0.2 to 1.5 feet below grade. Soil samples were tested for gasoline range hydrocarbons by United States Environmental Protection Agency (EPA) Method 5030/8015 Modified and diesel range hydrocarbons by EPA Method 3540/3550/8100 Modified. Soil samples collected from the hand augered borings were also tested for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 5030/8020. A groundwater sample from one test pit was also analyzed for BTEX and total lead (EPA Method 7421). Fourteen soil samples contained diesel range hydrocarbons (260 to 410,000 parts per million (ppm)). Two soil samples contained gasoline range hydrocarbons (2,900 and 3,380 ppm) and total BTEX (81.6 and 113.3 ppm). The groundwater sample collected from the test pit did not contain BTEX or total lead.

GeoEngineers supervised the excavation of approximately 2,000 cubic yards of petroleum-contaminated soil (PCS) at the location of the current tank farm area in June 1994 prior to construction of the tank farm, and treated the soil offsite. After treatment, the soil was disposed of at the Petersburg landfill in September 1996. GeoEngineers excavated nine additional test pits (TP-1 through TP-9) in the former tank farm area in June 1995. The test pits were excavated to depths ranging from 7 to 9 feet below grade and soil samples were collected at depths ranging from 1 to 9 feet below grade. Ten soil samples contained diesel range hydrocarbons at concentrations ranging from 1,900 to 30,000 ppm and one soil sample contained a total BTEX concentration of 17.88 ppm.

Following the facility upgrade activities in 1994, soils in the former tank farm area were excavated to depths ranging from 5 to 7.5 feet below grade. Twelve confirmation soil samples (BPC-1 through BPC-12) were collected from the excavation. None of the soils samples contained diesel range hydrocarbons above 1,000 ppm.

GeoEngineers constructed an onsite biotreatment mound system on the former tank farm location in September 1996 to treat approximately 800 cubic yards of PCS removed from the former tank farm excavation. GeoEngineers anticipated the operation of the vented biotreatment soil pile would be for 24 months to decrease diesel range hydrocarbons concentrations in the soil to less than the cleanup standards established in a letter dated June 14, 1995 from the Alaska Department of Environmental Conservation (ADEC) stating cleanup levels as the following: diesel range hydrocarbons (1,000 mg/kg); gasoline range hydrocarbons (100 mg/kg); benzene (0.5 mg/kg); and total BTEX (15.0 mg/kg).

Four soil samples (BPC-13 through BPC-16) were collected from the biotreatment cell in September 1996, at depths ranging from 0.5 to 1 foot. One soil sample contained diesel range hydrocarbons at a concentration of 1,200 ppm. All other analytical results for diesel range hydrocarbons, gasoline range hydrocarbons and BTEX were below the ADEC site cleanup goals. In September 1996, GeoEngineers installed six geoprobe groundwater monitoring wells (GP-1 through GP-6) along South Nordic Drive north of the bulk plant. GeoEngineers did not record well completion depths but reported the depth to groundwater in the wells ranged from 8.7 to 9.3 feet below grade. Groundwater samples collected from all wells except GP-5 (insufficient sample volume) in September 1996 were analyzed for gasoline range hydrocarbons and BTEX. Groundwater samples

from GP-5 and GP-6 were also analyzed for total dissolved solids (TDS) and salinity. The sample from GP-6 contained 5.7 parts per billion (ppb) of benzene. All other results were below the laboratory method detection limit or below the ADEC cleanup levels.

In May 1998, GeoEngineers personnel collected 16 soil samples (BPS-1 through BPS-16) from the biotreatment stockpile at depths ranging from 1.5 to 5 feet below grade. Ten samples with the highest field screening results were analyzed for diesel range hydrocarbons. Two samples were also tested for gasoline range hydrocarbons and BTEX. Four samples containing diesel range hydrocarbon concentrations (ranging from 1,050 to 2780 ppm) exceeded the ADEC cleanup level of 1,000 ppm. All other results were below the laboratory method detection limits or ADEC cleanup levels. GeoEngineers collected a groundwater sample from GP-1 in May 1998 (all other wells were dry), and the sample was analyzed for BTEX, sodium and chloride by North Creek Analytical Laboratories in Bothell, Washington. BTEX compounds were not detected in the water sample. Sodium and chloride were detected in the water sample at 90.1 milligrams per liter (mg/L) and 60.8 mg/L respectively.

During the May 1998 sampling event, GeoEngineers also conducted biotreatment soil pile system monitoring and maintenance including: removing 250 to 300 gallons water from the soil pile; reversing the airflow on one of the three upper manifold pipes to create a vacuum to extract vapors from the soil pile; and measuring the airflow and vapor emissions from the pile. GeoEngineers also collected eight soil samples (SS-1 through SS-8) at depths ranging from 1.0 to 2.5 feet below grade to characterize surface soil conditions near the truck loading rack. The soil samples consisted of brown organic silts, sandy silts and gravels and were analyzed for diesel range hydrocarbons, gasoline range hydrocarbons and BTEX. Diesel range hydrocarbons concentrations ranged from 8.13 mg/kg in sample SS-2 to 18,600 mg/kg in sample SS-6. Gasoline range hydrocarbons concentrations were detected in SS-4 at 6.26 mg/kg. Gasoline range hydrocarbons and BTEX reporting limits were elevated due to a high concentration of extractable diesel hydrocarbons.

Noll Environmental, Inc. (Noll Environmental) personnel collected groundwater samples from five site wells (GP-1 through GP-4 and GP-6) and 17 soil samples (BPS-1 through BPS-17) from the biotreatment cell in October 1998. Groundwater samples were collected from the wells using a peristaltic pump. Soil samples were collected from the biotreatment cell at 1.5 to 3.5 feet using a hand auger. The wells were sampled without prior purging, and the samples were analyzed for BTEX by EPA Method 8021B. Groundwater samples collected from wells GP-1 through GP-3 were also tested for TDS by EPA Method 160.1 and salinity by Standard Method 2520. BTEX results were below the laboratory method detection limits or ADEC cleanup levels. Ten soil samples with the highest field screening results after using a photoionization detector (PID) and sheen test were analyzed for diesel range hydrocarbons, gasoline range hydrocarbons and BTEX. Four samples contained diesel range hydrocarbons (1,040 to 1,830 ppm) exceeding the ADEC cleanup level. All other results were below the laboratory method detection limits or ADEC cleanup levels.

Smith Bayliss LeResche, Inc. (SBL) conducted an additional assessment at the site in January 1999. Seventeen borings were advanced (TB01 through TB17) to approximately 10 feet below grade. Eleven borings were advanced in the area of the top loading rack, AST pumping station, aboveground product piping, and oil/water separators. Four borings were drilled near the former tank farm and the onsite soil biotreatment cell. Three additional soil samples were collected from the beach sediments in the following locations: north of the bulk plant directly under the outfall; on the beach below the fuel rack area and an arbitrary location down the beach for a background sample.

Soil samples collected from the boring and beach area were submitted to Analytical Resources, Inc. (ARI) in Seattle, Washington for diesel range hydrocarbons, gasoline range hydrocarbons and BTEX analyses. Four samples (TB06, TB07, TB09, TB10) located east of the concrete containment pad and west of the shop/main warehouse building contained diesel range hydrocarbon concentrations

(1,700 to 7,800 ppm) exceeding the ADEC cleanup level, and three samples (TB07, TB10 and TB15) contained gasoline range hydrocarbon concentrations (100 to 180 ppm) exceeding the ADEC cleanup level (100 ppm). Three additional samples (TB05, TB13, and TB14) contained diesel range hydrocarbon concentrations (1,400 to 2,400 ppm) exceeding the ADEC cleanup level, but ARI did not recognize a specific petroleum product in the samples.

In July 1999, Noll Environmental personnel collected 10 soil samples (BPS-1, BPS-3, BPS-5, BPS-7, BPS-8, BPS-10, BPS-12, and BPS-15 through BPS-17) from the biotreatment cell. All six wells (GP-1 through GP-6) were dry and no groundwater samples were collected. Soil samples were collected from the biotreatment cell at 1.8 to 2 feet below grade with a hand auger. Existing patches in the biotreatment mound cover were opened to collect soil samples and the patches covered after the samples were collected. Soil samples were collected from 10 locations with the highest historical analytical results. Collected soil samples were analyzed for gasoline range hydrocarbons and diesel range hydrocarbons. Five samples contained diesel range hydrocarbons (1,100 to 3,570 ppm) exceeding the ADEC cleanup level. All other results were below the laboratory method detection limits or ADEC cleanup levels.

Noll Environmental personnel collected groundwater samples from five wells (GP-1 through GP-4 and GP-6) on July 5, 2000. Well GP-5 was dry and no sample was collected. The well monuments were drained before the wells were sampled. Groundwater samples were collected from the wells using a peristaltic pump. The wells were sampled without prior purging and the samples were analyzed for BTEX and chlorides. Groundwater samples collected from wells GP-1 through GP-3 were also tested for sodium. The groundwater pumped from the wells was slightly gray with no odor or sheen.

BTEX concentrations were detected in groundwater samples collected from GP-2 and GP-6, but at concentrations below the ADEC cleanup levels. GP-2 was located near the fuel pipeline for the marine dock, and GP-6 was located near the former top loading rack. All other BTEX results for GP-1, GP-3, GP-4, and GP-5 were below the laboratory method detection limits. Detected concentrations of sodium (7,650 to 538,000 ppb) and chlorides (3,720 to 1,030,000 ppb) in the groundwater samples indicate salt water in the groundwater at the wells north of Mitkof Highway (GP-1 through GP-3).

Soil samples were also collected in July 2000 from five locations on the biotreatment pile with prior elevated analytical results (BPS-1, BPS-8, BPS-10, BPS-15 and BPS-16). Soil was taken from access patches in the mound cover and the patches were mended after samples were collected. Soil samples were collected from the biotreatment cell at a depth of 2 to 2.5 feet using a hand auger. Four samples contained diesel range hydrocarbons (1,240 to 3,340 ppm) exceeding the ADEC site cleanup goal (1,000 ppm).

Based on analytical results from the 2000 sampling event, it appears soils from the biotreatment soil pile are impacted with diesel range hydrocarbon concentrations ranging from 1,240 and 3,340 ppm. In-situ impacted soils remain in the vicinity of the loading rack. Soil sampling in this area in 1999 indicated impacted soils in an area of approximately 2000 to 3000 feet square and approximately 4 feet in depth. These impacts have not been fully delineated and may extend beneath the concrete containment pad and off-site to the north. Groundwater sampled from the six geoprobe borings (GP-1 to GP-6) does not appear to be impacted above recommended cleanup levels.

SCOPE OF WORK

The scope of work, performed between April 24th and April 28th, included soil sample collection from six test pits (TP-1 through TP-6) and from 30 hand auger borings (SHA-1 to SHA-30) as described in SECOR's work plan dated March 27, 2006. The test pits were installed to a maximum depth of 8.5 feet below grade to further delineate in-situ soil impacts previously identified near the loading rack and the concrete pad. The hand auger boring locations were advanced to a maximum depth of 5 feet below grade in the soil biopile to assess soils for residual contamination. Test pit locations were chosen based on past environmental activities, field observations and the location of overhead and underground utilities and piping. The soil samples from the biopile were collected from random locations.

FIELD ACTIVITIES

Rock-N-Road Construction Inc. (Rock-N-Road) provided excavating services. SECOR personnel were present during the fieldwork. Details regarding fieldwork are described as follows:

The completed scope of work included the following:

- Preparing a project-specific Health and Safety Plan (HASP) for working at potentially hazardous materials sites in accordance with federal regulations (40 CFR 1910.120);
- Arranging for daily site access from the Petro Marine, Inc. facility manager;
- Locating and marking possible subsurface utility and piping locations with Petro Marine personnel in areas where excavation activities were planned;
- Supervising the advancement of six test pits in the area including north of the concrete pad, east of the concrete pad and south of the shop and main warehouse using a small backhoe operated by Rock-N-Road and collecting soil samples from the bottom of each test pit;
- Sampling the existing soil biopile by hand auguring to varying depths using the stratified random sampling approach;
- Submitting selected soil samples in iced coolers for laboratory analysis; and
- Preparing a report of the site investigation activities.

Soil Sampling of In-Situ Impacted Soils

On April 25, 2006 SECOR personnel supervised the advancement of six test pits in the area including north of the concrete pad, east of the concrete pad and south of the shop and main warehouse using a backhoe to better delineate historical soil impacts.

The test pits were advanced to a maximum depth of approximately 8.5 feet below grade. Refusal was encountered at a depth of approximately 8.5 feet due to the backhoe not being able to cut through the compact silts at that depth. The test pit locations were placed where previous sampling indicated elevated diesel and gasoline concentrations or near cut aboveground piping and the old oil/water separator. Test pits TP-5 and TP-6 were moved from their original locations to better delineate the area horizontally. Test pit locations are shown on Figure 3.

Soil samples were collected at 1 or 2 feet intervals in each test pit for purposes of logging subsurface conditions. Soils encountered during the excavating activities generally consisted of fine black to dark brown silty sands and sands to 6 feet below grade and bluish and greenish gray stiff clays with fine to medium rounded gravels to the maximum excavated depth of 8.5 feet. Water was encountered at 4 feet below grade from a wood box in the wall of test pit TP-3 and at 2 feet below grade in test pit TP-4.

Soil samples from test pit TP-1 were field screened for organic vapors using a photo ionization detector (PID). A portion of the recovered soil was placed into a re-sealable plastic bag and allowed to sit for approximately 10 minutes. Volatile organic compounds (VOCs) were then measured using the PID calibrated to 100 parts per million (ppm) isobutylene. The PID malfunctioned and could not be used on soil samples from the other test pits. Any odors (organic or petroleum-like) noticed while collecting soil samples were noted. Soil samples were immediately placed in an iced cooler with chain-of-custody documentation to await shipment to TestAmerica, Inc. (formerly North Creek Analytical, Inc.) in Anchorage, Alaska for analysis.

Soil samples were selected for analysis from each of the test pits based on field screening (staining and noted odors) and vertical location. Chemical analysis for each soil sample consisted of gasoline range hydrocarbons in the C6 to C10 range and BTEX by Alaska Method AK 101, and diesel range hydrocarbons in the C10 to C25 range by Alaska Method AK 102 with and without silica gel cleanup.

Soil Sampling of Soil Biopile

The existing soil biopile was sampled using the stratified random sampling approach suggested in the Washington State Department of Ecology Toxics Cleanup Program guidance document titled *Guidance on Sampling and Data Analysis Methods, Publication No. 94-49, January 1995*. The Washington State guidelines were suggested in the absence of Alaska-specific guidelines. This approach was agreed to during the March 20, 2006 telephone conversation with Mr. Bill Janes of the Alaska Department of Environmental Conservation (ADEC).

The results were to be evaluated statistically in accordance with Section 1.1 in the Washington State Department of Ecology (Ecology) Toxics Cleanup program guidance document. The statistical approach is summarized below:

- (1) The decision rule for demonstrating compliance with a cleanup level has three parts: (i) upper 95% confidence limit on the true population mean (average) must be less than the cleanup level; (ii) no sample concentration can be more than twice the cleanup level; (iii) less than 10% of the samples can exceed the cleanup level...

On April 26-27, 2006, SECOR personnel collected thirty soil samples at random locations on the soil biopile by hand auguring to depths of 0.5 to 5 feet. Hand auger boring locations are shown on Figure 4. The black tarp at each location was cut and covered after each sample was collected. The entire surface of the biopile was recovered with additional large black tarps after all soil samples were collected, to prevent runoff from entering into the soil pile. The soil samples were assessed visually and any odors noted. Soil samples were immediately placed in an iced cooler with chain-of-custody documentation to await shipment to TestAmerica, Inc. in Anchorage, Alaska for analysis.

Soil samples were selected for analysis from the soil biopile based on field screening (staining and noted odors) and vertical location. Chemical analysis for each soil sample consisted of gasoline range hydrocarbons in the C6 to C10 range and BTEX by Alaska Method AK 101, and diesel range hydrocarbons in the C10 to C25 range by Alaska Method AK 102 with and without silica gel cleanup.

ANALYTICAL TEST RESULTS

The following summarizes the soil analytical laboratory test results for the test pit samples:

- Gasoline range hydrocarbons were detected above the laboratory reporting limit (RL) in soil samples TP-1-4, TP-3-4, and TP-4-4 but did not exceed the ADEC cleanup levels;
- Diesel range hydrocarbons (with silica gel cleanup) were detected above the RL in soil samples TP-1-4, TP-2-4, TP-2-9, TP-3-4, TP-4-4, TP-4-6, TP-5-4, and TP-6-7.5. Concentrations did not exceed the ADEC cleanup level in all the samples with the exception of sample TP-1-4.
- Diesel range hydrocarbons (without silica gel cleanup) were detected above the RL and at slightly higher concentrations than the above results for soil samples TP-4-6, TP-5-4 and TP-6-7.5 and;
- Total BTEX concentrations did not exceed the ADEC cleanup level for any of the soil samples.

The following summarizes the soil analytical laboratory test results for the biopile soil samples:

- Gasoline range hydrocarbons were detected above the RL in soil samples SHA-1-5, SHA-7-5, SHA-9-4, SHA-23-4 and SHA-25-5 and concentrations did not exceed the ADEC cleanup level in all the samples;
- Diesel range hydrocarbons were detected above the RL at concentrations exceeding the ADEC cleanup level in SHA-7-5, SHA-10-3, SHA-11-4, SHA-15-3, SHA-20-2.5, SHA-22-3, SHA-23-4 and SHA-25-5;
- Diesel range hydrocarbons (without silica gel cleanup) were detected above the RL and at higher concentrations than those reported for the diesel range hydrocarbons with silica gel cleanup for soils samples SHA-1-5, SHA-4-2, SHA-7-5, SHA-9-4, SHA-17-3, SHA-20-2.5, SHA-24-2, and SHA-25-5 and;
- Total BTEX concentrations did not exceed the ADEC cleanup level for any of the soil samples.

The laboratory received the soil samples at elevated temperatures (10.3 and 10.5 degrees Celsius) even though the samples were packed on ice in coolers.

DISCUSSION OF RESULTS

Based on the results of soil sampling during the test pit delineation, it appears that in-situ impacted soils are suitably delineated vertically and horizontally in all directions of the area investigated except to the north towards the office and main warehouse facility. The soil sample collected from TP-1 at a depth of approximately four feet contained diesel range hydrocarbon concentrations of 6,130 mg/kg. This result indicates that impacted soils likely extend to the north towards the office and main warehouse facility. The extent to which impacts extend to the north is not known.

Results of previous investigations conducted in this area indicate the vertical extent of the impacts extend to a depth of approximately 10 feet. Results of previous investigations combined with results of the test pit investigation described in this report indicate the horizontal extent of impacts is limited to an area approximately 50 feet by 80 feet (it is understood that the northern limit of impacts are approximated). The thickness of the lens of impacted soil in the area cannot be accurately determined, however, if a minimum thickness of 4 feet is assumed the total volume of in-situ soils is approximately 600 cubic yards.

Residual diesel impacts exceeding the ADEC cleanup level are associated with soils located in the biopile. Residual benzene, ethylbenzene and total xylenes impacts below ADEC cleanup levels were also detected in soil samples having residual diesel impacts. Results from this investigation indicate impacts remain throughout the biopile. Based on measurements made of the biopile, the volume of soil in the biopile is conservatively estimated at 950 cubic yards.

At least one of the statistical requirements to qualify the soils for on-site disposal using the stratified random sampling approach suggested in the Ecology guidance document was not met. Part (iii) states, "...less than 10% of the sample can exceed the cleanup level..." Based on soil sampling results, approximately 30% of the soil samples contain diesel range hydrocarbons exceeding the ADEC cleanup level for diesel. Thus soil concentrations failed to meet part (iii) of the statistical requirement for the stratified random sampling approach and do not qualify for on-site disposal.

CONCLUSIONS

A subsurface investigation was completed by SECOR to further characterize soil impacts previously identified near the loading rack and the concrete pad and to assess soils for residual contamination in the soil biopile. Soil samples were collected from six test pits (TP-1 through TP-6) and from 30 hand auger boring locations on the biopile (SHA-1 to SHA-30).

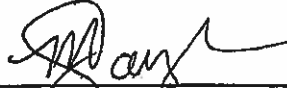
Results indicate that a total of approximately 1,550 cubic yards of impacts soils are situated on-site. The biopile contains approximately 950 cubic yards and approximately 600 cubic yards are located in-situ near the loading rack and concrete pad.

SECOR appreciates the opportunity to continue servicing your environmental needs. If you have any questions on this work plan or the project in general, please contact us at (425) 372-1600.

Sincerely,
SECOR International Incorporated



Katlin Hanson
Staff Geologist



Marc Sauze, PE
Senior Project Engineer

cc: Mr. Bill Janes, Alaska Department of Environmental Conservation, Juneau, Alaska
Mr. Bob Cox, Petro Marine, Anchorage, Alaska

LIST OF FIGURES

Figure 1 – Site Location Map
Figure 2 – Site Plan
Figure 3 – Site Plan with Test Pit Locations
Figure 4 – Site Plan with Soil Sample Locations on Biopile

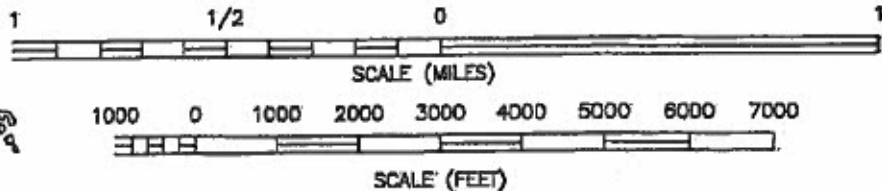
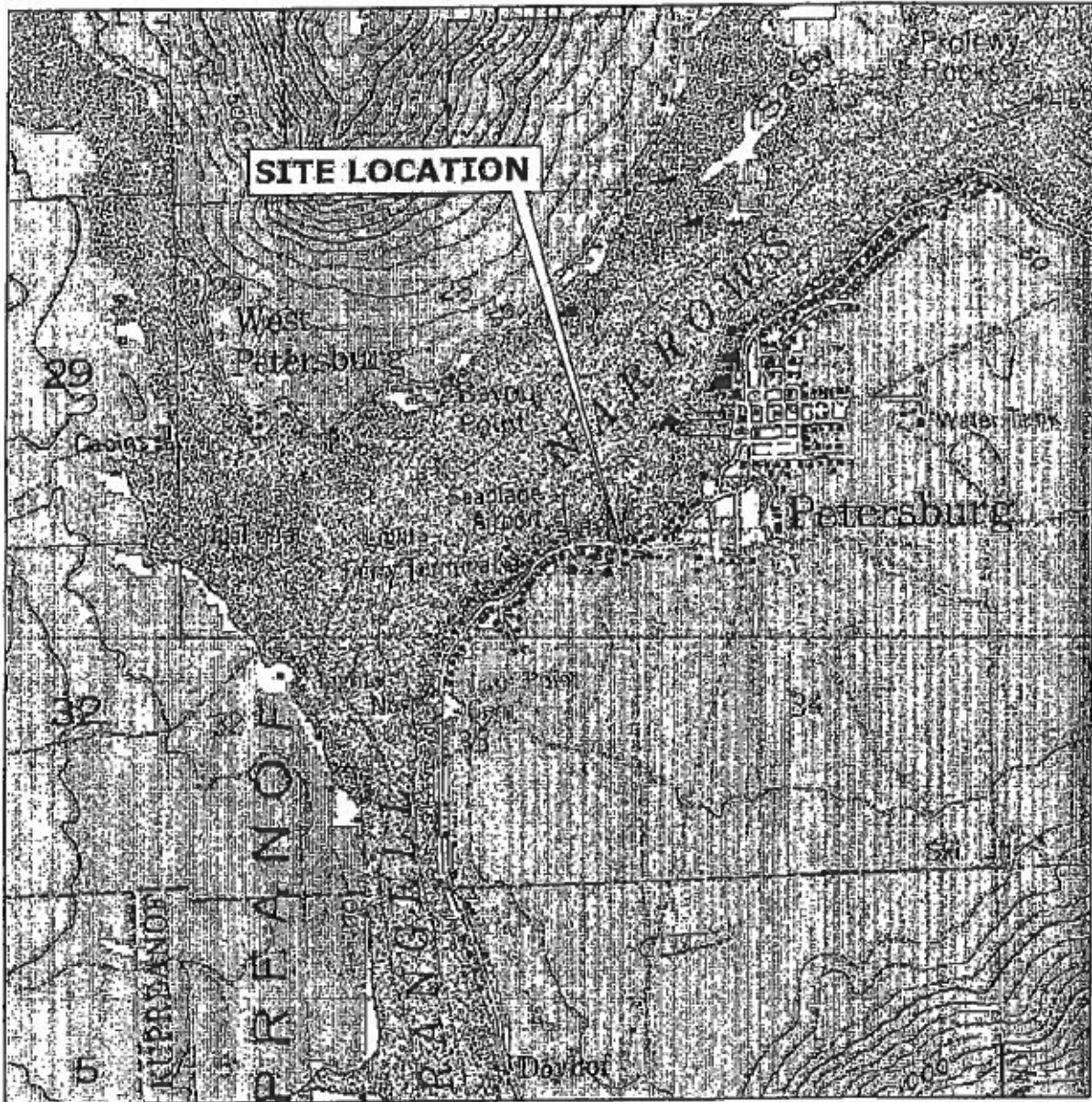
LIST OF TABLES

Table 1 – Soil Analytical Results

LIST OF ATTACHMENTS

ATTACHMENT A	ANALYTICAL LABORATORY REPORT AND CHAIN OF CUSTODY DOCUMENTATION
ATTACHMENT B	HEALTH AND SAFETY DAILY TAILGATE MEETING SHEETS

FIGURES



REFERENCE: USGS 7.5 MINUTE QUADRANGLE; PETERSBURG: D-3 SW, ALASKA; 1992.



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 12004 134TH COURT NE, SUITE 102
 REDMOND, WASHINGTON
 PHONE: (425) 372-1600/372-1889 (FAX)

FOR: **ConocoPhillips**
 CONOCOPHILLIPS 0823
 FORMER UNOCAL BULK PLANT NO. 0581
 703 SOUTH NORDIC DRIVE
 PETERSBURG, ALASKA

SITE LOCATION MAP

FIGURE
1

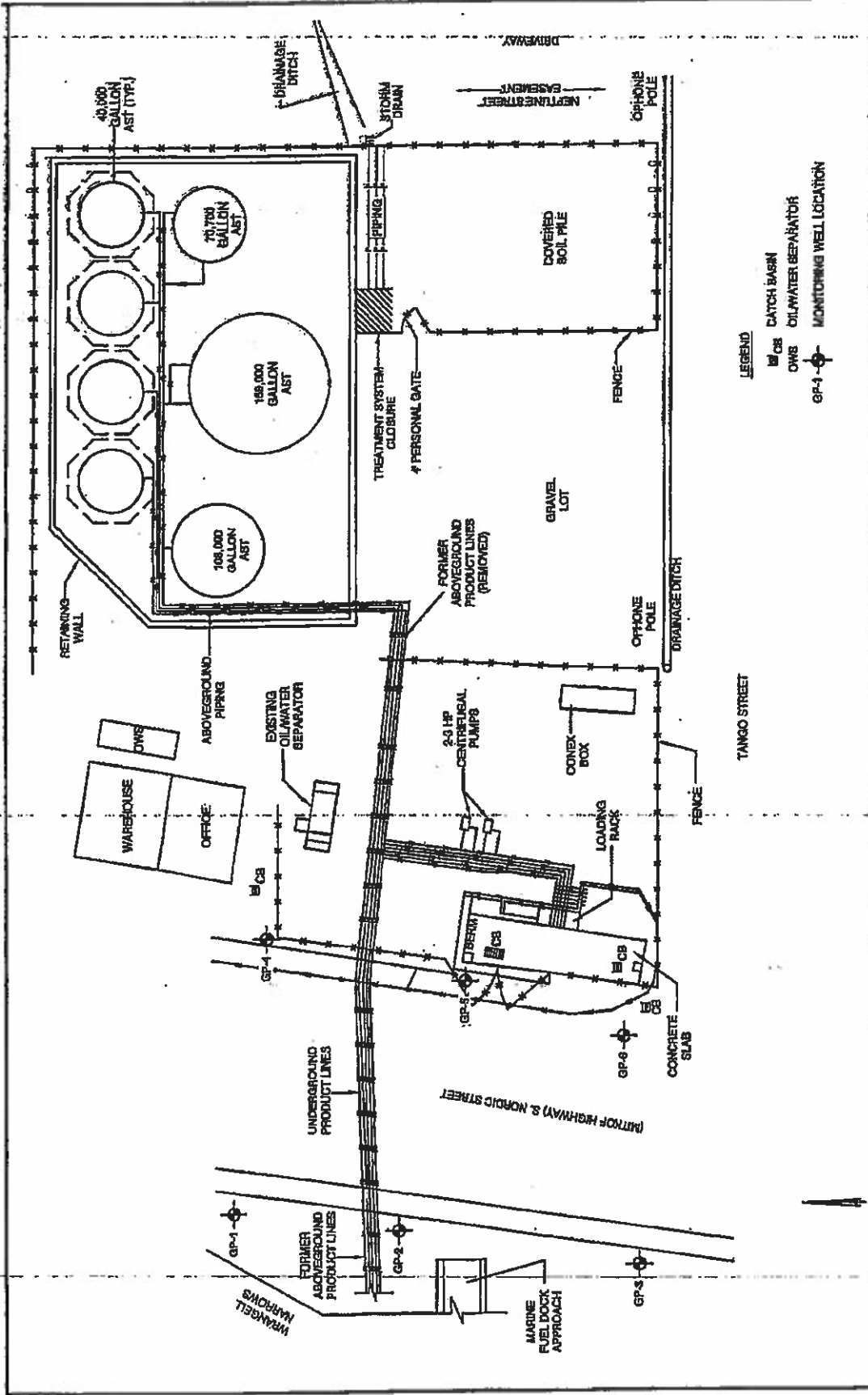
JOB NUMBER: D1CP.0823.01

DRAWN BY: TORRES

CHECKED BY: KH

APPROVED BY:

DATE: 01/20/08

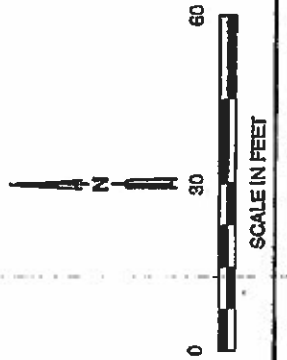


- LEGEND**
- CB CATCH BASIN
 - OWS OIL WATER SEPARATOR
 - GP-1 MONITORING WELL LOCATION

<p>FOR: ConocoPhillips CONOCOPHILLIPS DS23 FORMER UNOCAL BULK PLANT NO. 05B1 703 SOUTH NORDIC DRIVE PETERSBURG, ALASKA</p>		<p>FIGURE 2</p>
<p>JOB NUMBER: 01 CP 00828.02</p>	<p>DRAWN BY: CFS</p>	<p>CHECKED BY: KH</p>
<p>APPROVED BY:</p>		<p>DATE 06/16/06</p>

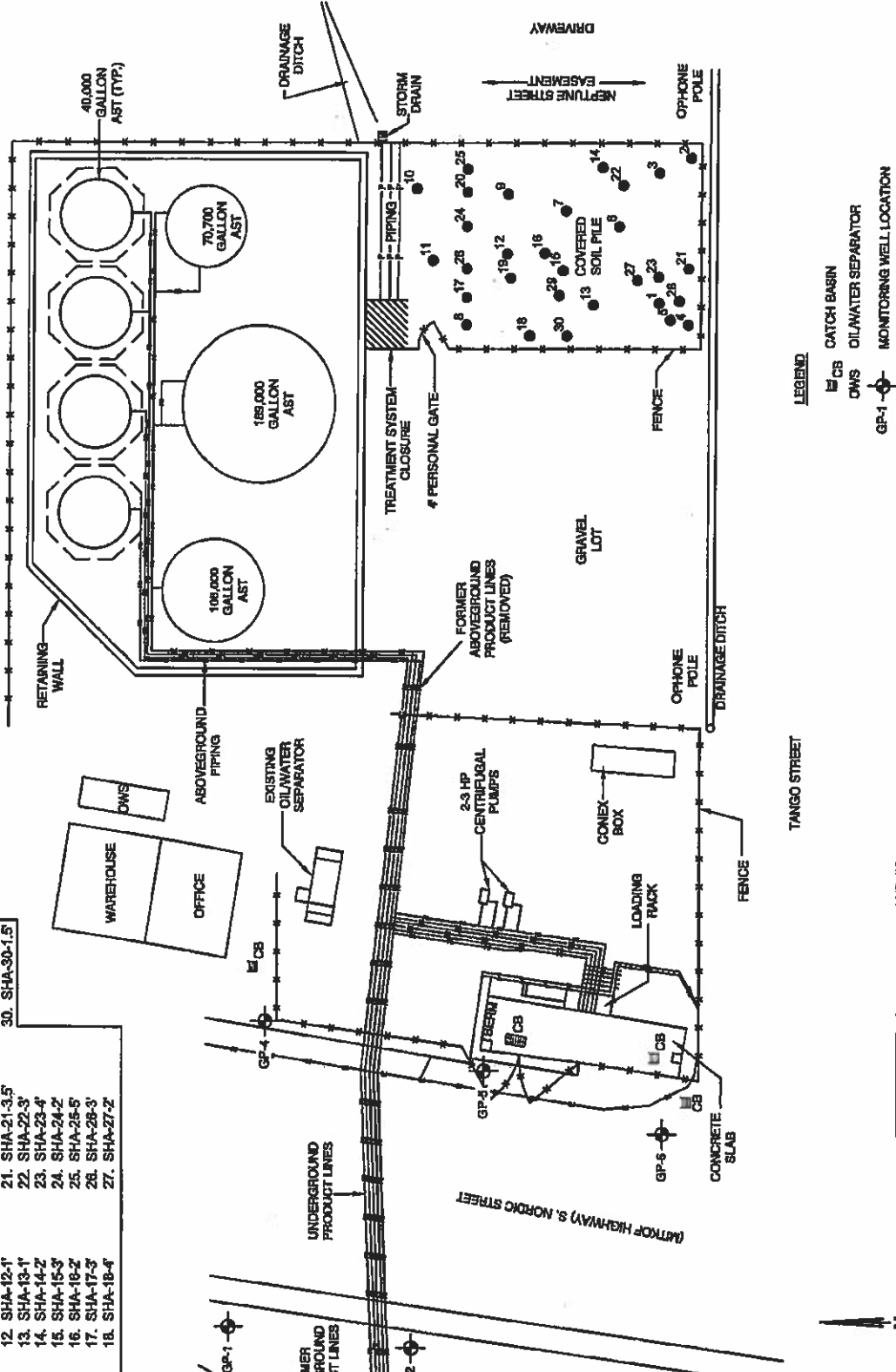
SECOR
 12034 134TH COURT NE, SUITE 102
 REDMOND, WASHINGTON
 PHONE: (425) 378-1800/372-1650 (FAX)

FILEPATH: Z:\10\OTHER OFFICE CAD\Redmond\CONOCOPHILLIPS 0923\0923-F2F4-061306.DWG MODIFIED BY CSEWETT ON JUN 13, 2006 - 11:47



BIOPILE SAMPLES

- | | | | |
|---------------|---------------|-----------------|-----------------|
| 1. SHA-1-5' | 10. SHA-10-3' | 19. SHA-19-2.5' | 28. SHA-28-1' |
| 2. SHA-2-1' | 11. SHA-11-4' | 20. SHA-20-2.5' | 29. SHA-29-3' |
| 3. SHA-3-0.5' | 12. SHA-12-1' | 21. SHA-21-3.5' | 30. SHA-30-1.5' |
| 4. SHA-4-2' | 13. SHA-13-1' | 22. SHA-22-3' | |
| 5. SHA-5-3' | 14. SHA-14-2' | 23. SHA-23-4' | |
| 6. SHA-6-2' | 15. SHA-15-3' | 24. SHA-24-2' | |
| 7. SHA-7-5' | 16. SHA-16-2' | 25. SHA-25-5' | |
| 8. SHA-8-1' | 17. SHA-17-3' | 26. SHA-26-3' | |
| 9. SHA-9-4' | 18. SHA-18-4' | 27. SHA-27-2' | |




LEGEND

- CB CATCH BASIN
- OWS OIL/WATER SEPARATOR
- GP-1 MONITORING WELL LOCATION

LEGEND

- FORMER ABOVEGROUND PRODUCT LINES (REMOVED)
- FORMER UNDERGROUND PRODUCT LINES
- FORMER PERSONAL GATE
- TREATMENT SYSTEM CLOSURE
- PIPELINE
- STORM DRAIN
- DRAINAGE DITCH
- OPHONE POLE
- GRANULATED SOIL PILE
- COVERED SOIL PILE
- FORMER ABOVEGROUND PRODUCT LINES (REMOVED)
- 2-3 HP CENTRIFUGAL PUMPS
- CONEX BOX
- LOADING RACK
- CONCRETE SLAB
- OPHONE POLE
- DRAINAGE DITCH
- FENCE
- WAREHOUSE
- OFFICE
- EXISTING OIL/WATER SEPARATOR
- ABOVEGROUND PIPING
- RETAINING WALL
- 40,000 GALLON AST (TYP)
- 70,700 GALLON AST
- 106,000 GALLON AST
- 189,000 GALLON AST
- NEPTUNE STREET
- DRIVEWAY
- EASEMENT

 SECOR 12654 194TH COURT NE, SUITE 102 REDMOND, WASHINGTON PHONE: (425) 872-1600/872-1650 (FAX)	FOR: ConocoPhillips CONOCOPHILLIPS 0923 FORMER UNOCAL BULK PLANT NO. 0561 703 SOUTH NORDIC DRIVE PETERSBURG, ALASKA	JOB NUMBER: 91CP.0923.02 DRAWN BY: CFS	CHECKED BY: KM APPROVED BY:
SITE PLAN WITH SOIL SAMPLE LOCATIONS ON BIOPILE		FIGURE 4	
		DATE: 08/13/06	



FILEPATH: Z:\OTHER OFFICE CAD\REDMOND\CONOCOPHILLIPS 0923\0923-F2F4-061306.DWG MODIFIED BY CRENNETT ON JUN 13, 2006 - 13:47

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TABLES

TABLE 1
SOIL ANALYTICAL RESULTS
ConocoPhillips Site No. 0923
703 South Nordic Drive
Petersburg, Alaska

Sample Identification	Sample Date	Sample Depth (feet bgs)	Total Petroleum Hydrocarbons			Volatile Organic Compounds			
			Gasoline-Range (mg/kg)	Diesel-Range with Silica Gel Cleanup (mg/kg)	Diesel-Range w/o Silica Gel Cleanup (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)
TP-1	4/25/06	4	11.00	6139	--	0.0518	<0.0842	0.118	0.279
TP-1	4/25/06	7.5	<3.33	<25.0	<25.0	<0.0133	<0.0333	<0.0333	<0.0500
TP-2	4/25/06	4	<4.98	371	--	<0.0199	0.127	<0.0498	<0.0748
TP-2	4/25/06	8	<4.12	<25.0	<25.0	<0.0185	<0.0412	<0.0412	<0.0618
TP-2	4/25/06	9	<4.42	114	--	<0.0177	<0.0442	<0.0442	<0.0684
TP-3	4/25/06	4	14.8	182	--	<0.0174	<0.0435	0.0672	0.243
TP-3	4/25/06	8.6	<3.33	<25.0	<25.0	<0.0133	<0.0333	<0.0333	<0.0500
TP-4	4/25/06	4	7.81	337	--	<0.0183	<0.0333	<0.0333	0.209
TP-4	4/25/06	6	<3.33	31.4	33.8	<0.0133	<0.0333	<0.0333	<0.0500
TP-4	4/25/06	7	<3.33	<22.2	<22.2	0.0148	<0.0333	<0.0333	0.0762
TP-5	4/25/06	4	<3.33	29.7	34.1	0.0418	<0.0333	<0.0333	0.0717
TP-5	4/25/06	7.6	<3.33	<25.0	--	<0.0133	<0.0333	<0.0333	<0.0500
TP-6	4/25/06	4	<3.61	<25.0	--	<0.0152	<0.0381	<0.0381	<0.0572
TP-6	4/25/06	7.5	<3.33	27.2	38.1	<0.0133	<0.0333	<0.0333	<0.0500
SHA-1	4/28/06	6	4.40	386	437	<0.0132	<0.0330	0.109	0.333
SHA-2	4/28/06	1	<7.52	415	--	<0.0301	<0.0752	<0.0752	<0.113
SHA-3	4/28/06	0.5	<3.48	68.2	--	<0.0139	<0.0348	<0.0348	<0.0520
SHA-4	4/28/06	2	<7.10	611	664	<0.0284	<0.0710	<0.0710	<0.108
SHA-5	4/28/06	3	<7.22	544	--	<0.0289	<0.0722	<0.0722	<0.108
SHA-5	4/28/06	2	<3.28	240	--	<0.0131	<0.0328	<0.0328	<0.0490
SHA-7	4/28/06	6	25.8	1,210	1,280	0.0348	<0.0623	0.487	2.21
SHA-8	4/28/06	1	<8.54	290	--	<0.0341	<0.0854	<0.0854	<0.128
SHA-9	4/28/06	4	10.1	596	642	0.0290	<0.0358	0.513	1.31
SHA-10	4/28/06	3	<12.0	1,469	--	<0.0478	<0.120	0.155	0.729
SHA-11	4/28/06	4	<8.87	1,830	--	<0.0395	<0.0987	0.130	0.831
SHA-12	4/28/06	1	<3.71	175	--	<0.0148	<0.0371	<0.0371	<0.0568
SHA-13	4/28/06	1	<3.62	259	--	<0.0145	<0.0362	<0.0362	<0.0543
SHA-14	4/28/06	2	<10.0	954	--	<0.0400	<0.100	<0.100	0.283
SHA-15	4/27/06	3	<8.43	1,830	--	<0.0337	<0.0843	0.116	0.408
SHA-16	4/27/06	2	<3.27	98.2	--	<0.0131	<0.0327	<0.0327	<0.0490
SHA-17	4/27/06	3	<8.39	421	473	<0.0336	<0.0839	<0.0839	<0.126
SHA-18	4/27/06	4	<3.18	326	--	<0.0127	<0.0318	<0.0318	<0.0477
SHA-18	4/27/06	2.5	<7.84	883	--	<0.0308	<0.0784	<0.0784	<0.116
SHA-20	4/27/06	2.5	<8.27	1,230	1400	<0.0331	<0.0827	<0.0827	0.426
SHA-21	4/27/06	3.6	<3.55	345	--	<0.0142	<0.0355	0.0363	0.0645
SHA-22	4/27/06	3	<26.4	1,250	--	<0.105	<0.284	0.912	2.82
SHA-23	4/27/06	4	43.1	1,220	--	<0.0759	<0.190	1.31	2.82
SHA-24	4/27/06	2	<7.13	695	761	<0.0285	<0.0713	<0.0713	<0.107
SHA-25	4/27/06	5	32.1	1,710	1890	<0.0853	<0.163	0.426	2.92
SHA-26	4/27/06	3	<3.38	83.8	--	<0.0135	<0.0338	<0.0338	<0.0506
SHA-27	4/27/06	2	<2.86	192	--	<0.0118	<0.0286	<0.0286	<0.0443
SHA-28	4/27/06	1	<2.90	65.3	--	<0.0118	<0.0290	<0.0290	<0.0436
SHA-29	4/27/06	3	<3.47	305	--	<0.0139	<0.0347	<0.0347	<0.0520
SHA-30	4/27/06	1.5	<4.43	172	--	<0.0177	<0.0443	<0.0443	<0.0685
Trip blank	4/25/06	--	<3.33	--	--	<0.0133	<0.0333	<0.0333	<0.0500
ADEC Cleanup Levels			100	1,000	1,000	Total BTEX = 15 mg/kg			

Notes:

BOLD = Concentration above ADEC Cleanup Level

-- = Not analyzed, not applicable, or not sampled

All concentrations in milligrams per kilogram (mg/kg)

ADEC = Alaska Department of Environmental Conservation

bgs = below ground surface

Total Petroleum Hydrocarbons as gasoline range hydrocarbons by AK 101

Total Petroleum Hydrocarbons as diesel and oil range hydrocarbons by AK 102 end with Silica Gel Acid Cleanup

Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8021B

ATTACHMENT A
**ANALYTICAL LABORATORY REPORT AND CHAIN-OF-
CUSTODY DOCUMENTATION**

Additional Site Investigation
ConocoPhillips Site No. 0923
703 South Nordic Drive
Petersburg, Alaska
SECOR PN No.: 01CP.00923.02
July 7, 2006

Amended Report

May 25, 2006

Mark Sauze
SECOR - Redmond, WA
12034 134th Count NE, Suite 102
Redmond, WA 98052

RE: Petersburg-CP 0923

Enclosed are the results of analyses for samples received by the laboratory on 05/02/06 11:50.
The following list is a summary of the Work Orders contained in this report, generated on 05/25/06
18:26.

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

Amended Report: All results reported here supercede any previously reported results.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
APE0003	Petersburg-CP 0923	0923SEC002

TestAmerica - Anchorage, AK


Stephen Wilson, Laboratory Manager

Amended Report

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.



Amended Report

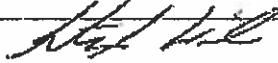
SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP-1@4'	APE0003-02	Soil	04/25/06 10:50	05/02/06 11:50
TP-1@7.5'	APE0003-04	Soil	04/25/06 11:30	05/02/06 11:50
TP-2@4"	APE0003-06	Soil	04/25/06 12:15	05/02/06 11:50
TP-2@8'	APE0003-08	Soil	04/25/06 12:30	05/02/06 11:50
TP-2@9"	APE0003-09	Soil	04/25/06 12:55	05/02/06 11:50
TP-3@4'	APE0003-11	Soil	04/25/06 12:20	05/02/06 11:50
TP-3@8.5'	APE0003-14	Soil	04/25/06 14:10	05/02/06 11:50
TP-4@4'	APE0003-16	Soil	04/25/06 14:45	05/02/06 11:50
TP-4@6'	APE0003-17	Soil	04/25/06 14:55	05/02/06 11:50
TP-4@7'	APE0003-18	Soil	04/25/06 15:15	05/02/06 11:50
TP-6@4'	APE0003-20	Soil	04/25/06 15:45	05/02/06 11:50
TP-6@7.5'	APE0003-22	Soil	04/25/06 16:00	05/02/06 11:50
TP-5@4'	APE0003-24	Soil	04/25/06 16:25	05/02/06 11:50
TP-5@7.5'	APE0003-26	Soil	04/25/06 16:40	05/02/06 11:50
SHA-1@5'	APE0003-27	Soil	04/26/06 09:55	05/02/06 11:50
SHA-2@1'	APE0003-28	Soil	04/26/06 11:20	05/02/06 11:50
SHA-3@0.5'	APE0003-29	Soil	04/26/06 11:55	05/02/06 11:50
SHA-4@2'	APE0003-30	Soil	04/26/06 12:30	05/02/06 11:50
SHA-5@3'	APE0003-31	Soil	04/26/06 13:00	05/02/06 11:50
SHA-6@2'	APE0003-32	Soil	04/26/06 13:25	05/02/06 11:50
SHA-7@5'	APE0003-33	Soil	04/26/06 13:55	05/02/06 11:50
SHA-8@1'	APE0003-34	Soil	04/26/06 14:30	05/02/06 11:50
SHA-9@4'	APE0003-35	Soil	04/26/06 14:50	05/02/06 11:50
SHA-10@3'	APE0003-36	Soil	04/26/06 15:20	05/02/06 11:50
SHA-11@4'	APE0003-37	Soil	04/26/06 15:30	05/02/06 11:50
SHA-12@1'	APE0003-38	Soil	04/26/06 16:00	05/02/06 11:50
SHA-13@1'	APE0003-39	Soil	04/26/06 16:20	05/02/06 11:50
SHA-14@2'	APE0003-40	Soil	04/26/06 16:45	05/02/06 11:50
SHA-15@3'	APE0003-41	Soil	04/27/06 08:55	05/02/06 11:50
SHA-16@2'	APE0003-42	Soil	04/27/06 09:10	05/02/06 11:50
SHA-17@3'	APE0003-43	Soil	04/27/06 09:40	05/02/06 11:50
SHA-18@4'	APE0003-44	Soil	04/27/06 10:05	05/02/06 11:50
SHA-19@2.5'	APE0003-45	Soil	04/27/06 10:30	05/02/06 11:50
SHA-20@2.5'	APE0003-46	Soil	04/27/06 11:00	05/02/06 11:50
SHA-21@3.5'	APE0003-47	Soil	04/27/06 11:45	05/02/06 11:50

TestAmerica - Anchorage, AK

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
--	--	--

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SHA-22@3'	APE0003-48	Soil	04/27/06 12:15	05/02/06 11:50
SHA-23@4'	APE0003-49	Soil	04/27/06 12:55	05/02/06 11:50
SHA-24@2'	APE0003-50	Soil	04/27/06 13:15	05/02/06 11:50
SHA-25@5'	APE0003-51	Soil	04/27/06 13:40	05/02/06 11:50
SHA-26@3'	APE0003-52	Soil	04/27/06 14:25	05/02/06 11:50
SHA-27@2'	APE0003-53	Soil	04/27/06 14:45	05/02/06 11:50
SHA-28@1'	APE0003-54	Soil	04/27/06 15:00	05/02/06 11:50
SHA-29@3'	APE0003-55	Soil	04/27/06 15:25	05/02/06 11:50
SHA-30@1.5'	APE0003-56	Soil	04/27/06 15:55	05/02/06 11:50
Trip Blank	APE0003-57	Soil	04/25/06 10:45	05/02/06 11:50

TestAmerica - Anchorage, AK



Stephen Wilson, Laboratory Manager

Amended Report

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Amended Report


SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
--	--	--

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

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-02 (TP-1@4')		Soil		Sampled: 04/25/06 10:50						
Gasoline Range Organics	AK101 GRO/BTEX	11.0	----	8.42	mg/kg dry	1x	6050007	05/04/06 15:00	05/04/06 15:20	
Benzene	"	0.0519	---	0.0337	"	"	"	"	"	"
Toluene	"	ND	---	0.0842	"	"	"	"	"	"
Ethylbenzene	"	0.118	---	0.0842	"	"	"	"	"	"
Xylenes (total)	"	0.279	---	0.126	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		79.1%		50 - 150 %		"		"		
a,a,a-TFT (PID)		75.3%		20.2 - 131 %		"		"		
APE0003-04 (TP-1@7.5')		Soil		Sampled: 04/25/06 11:30						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.33	mg/kg dry	1x	6050007	05/04/06 15:00	05/04/06 16:31	
Benzene	"	ND	---	0.0133	"	"	"	"	"	"
Toluene	"	ND	---	0.0333	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0333	"	"	"	"	"	"
Xylenes (total)	"	ND	---	0.0500	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		66.6%		50 - 150 %		"		"		
a,a,a-TFT (PID)		61.4%		20.2 - 131 %		"		"		
APE0003-06 (TP-2@4")		Soil		Sampled: 04/25/06 12:15						
Gasoline Range Organics	AK101 GRO/BTEX	ND	----	4.98	mg/kg dry	1x	6050007	05/04/06 15:00	05/04/06 18:11	
Benzene	"	ND	---	0.0199	"	"	"	"	"	"
Toluene	"	0.127	---	0.0498	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0498	"	"	"	"	"	"
Xylenes (total)	"	ND	---	0.0746	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		79.4%		50 - 150 %		"		"		
a,a,a-TFT (PID)		75.2%		20.2 - 131 %		"		"		
APE0003-08 (TP-2@8')		Soil		Sampled: 04/25/06 12:30						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	4.12	mg/kg dry	1x	6050007	05/04/06 15:00	05/04/06 18:44	
Benzene	"	ND	---	0.0165	"	"	"	"	"	"
Toluene	"	ND	---	0.0412	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0412	"	"	"	"	"	"
Xylenes (total)	"	ND	---	0.0618	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		79.2%		50 - 150 %		"		"		
a,a,a-TFT (PID)		76.7%		20.2 - 131 %		"		"		

TestAmerica - Anchorage, AK

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
--	--	--

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

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-09 (TP-2@9'')		Soil		Sampled: 04/25/06 12:55						
Gasoline Range Organics	AK101 GRO/BTEX	ND	—	4.42	mg/kg dry	1x	6050007	05/04/06 15:00	05/04/06 19:17	
Benzene	"	ND	—	0.0177	"	"	"	"	"	
Toluene	"	ND	—	0.0442	"	"	"	"	"	
Ethylbenzene	"	ND	—	0.0442	"	"	"	"	"	
Xylenes (total)	"	ND	—	0.0664	"	"	"	"	"	
Surrogate(s): a,a,a-TFT (FID)		82.6%		50 - 150 %	"					"
a,a,a-TFT (PID)		79.2%		20.2 - 131 %	"					"
APE0003-11 (TP-3@4')		Soil		Sampled: 04/25/06 12:20						
Gasoline Range Organics	AK101 GRO/BTEX	14.5	—	4.35	mg/kg dry	1x	6050007	05/04/06 15:00	05/04/06 19:50	
Benzene	"	ND	—	0.0174	"	"	"	"	"	
Toluene	"	ND	—	0.0435	"	"	"	"	"	
Ethylbenzene	"	0.0672	—	0.0435	"	"	"	"	"	
Xylenes (total)	"	0.243	—	0.0652	"	"	"	"	"	J, P-03
Surrogate(s): a,a,a-TFT (FID)		79.3%		50 - 150 %	"					"
a,a,a-TFT (PID)		78.5%		20.2 - 131 %	"					"
APE0003-14 (TP-3@8.5')		Soil		Sampled: 04/25/06 14:10						
Gasoline Range Organics	AK101 GRO/BTEX	ND	—	3.33	mg/kg dry	1x	6050010	05/05/06 08:13	05/05/06 13:03	
Benzene	"	ND	—	0.0133	"	"	"	"	"	
Toluene	"	ND	—	0.0333	"	"	"	"	"	
Ethylbenzene	"	ND	—	0.0333	"	"	"	"	"	
Xylenes (total)	"	ND	—	0.0500	"	"	"	"	"	
Surrogate(s): a,a,a-TFT (FID)		86.6%		50 - 150 %	"					"
a,a,a-TFT (PID)		80.1%		20.2 - 131 %	"					"
APE0003-16 (TP-4@4')		Soil		Sampled: 04/25/06 14:45						
Gasoline Range Organics	AK101 GRO/BTEX	7.81	—	3.33	mg/kg dry	1x	6050007	05/04/06 15:00	05/04/06 20:57	
Benzene	"	ND	—	0.0133	"	"	"	"	"	
Toluene	"	ND	—	0.0333	"	"	"	"	"	
Ethylbenzene	"	ND	—	0.0333	"	"	"	"	"	
Xylenes (total)	"	0.209	—	0.0500	"	"	"	"	"	
Surrogate(s): a,a,a-TFT (FID)		75.4%		50 - 150 %	"					"
a,a,a-TFT (PID)		69.1%		20.2 - 131 %	"					"

TestAmerica - Anchorage, AK

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Stephen Wilson
 Stephen Wilson, Laboratory Manager

Amended Report



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
---	---	-----------------------------------

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

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	-------	----------	----------	-------

APE0003-17 (TP-4@6')		Soil		Sampled: 04/25/06 14:55						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.33	mg/kg dry	1x	6050007	05/04/06 15:00	05/04/06 21:30	
Benzene	.	ND	---	0.0133	"	"	"	"	"	"
Toluene	.	ND	---	0.0333	"	"	"	"	"	"
Ethylbenzene	.	ND	---	0.0333	"	"	"	"	"	"
Xylenes (total)	.	ND	---	0.0500	"	"	"	"	"	"
Surrogate(s):		a,a,o-TFT (FID)		80.1%	50 - 150 %		"			"
		a,a,o-TFT (PID)		75.6%	20.2 - 131 %		"			"

APE0003-18 (TP-4@7')		Soil		Sampled: 04/25/06 15:15						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.33	mg/kg dry	1x	6050007	05/04/06 15:00	05/04/06 22:03	
Benzene	.	0.0148	---	0.0133	"	"	"	"	"	"
Toluene	.	ND	---	0.0333	"	"	"	"	"	"
Ethylbenzene	.	ND	---	0.0333	"	"	"	"	"	"
Xylenes (total)	.	0.0762	---	0.0500	"	"	"	"	"	"
Surrogate(s):		a,a,o-TFT (FID)		84.4%	50 - 150 %		"			"
		a,a,o-TFT (PID)		79.3%	20.2 - 131 %		"			"

APE0003-20 (TP-6@4')		Soil		Sampled: 04/25/06 15:45						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.81	mg/kg dry	1x	6050007	05/04/06 15:00	05/04/06 22:36	
Benzene	.	ND	---	0.0152	"	"	"	"	"	"
Toluene	.	ND	---	0.0381	"	"	"	"	"	"
Ethylbenzene	.	ND	---	0.0381	"	"	"	"	"	"
Xylenes (total)	.	ND	---	0.0572	"	"	"	"	"	"
Surrogate(s):		a,a,o-TFT (FID)		70.1%	50 - 150 %		"			"
		a,a,o-TFT (PID)		65.9%	20.2 - 131 %		"			"

APE0003-22 (TP-6@7.5')		Soil		Sampled: 04/25/06 16:00						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.33	mg/kg dry	1x	6050007	05/04/06 15:00	05/04/06 23:09	
Benzene	.	ND	---	0.0133	"	"	"	"	"	"
Toluene	.	ND	---	0.0333	"	"	"	"	"	"
Ethylbenzene	.	ND	---	0.0333	"	"	"	"	"	"
Xylenes (total)	.	ND	---	0.0500	"	"	"	"	"	"
Surrogate(s):		a,a,o-TFT (FID)		78.3%	50 - 150 %		"			"
		a,a,o-TFT (PID)		74.4%	20.2 - 131 %		"			"

TestAmerica - Anchorage, AK

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Stephen Wilson

Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

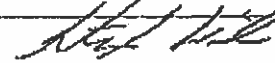
SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Gasoline Range Organics (C6-C10) and BTEX per AK101
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL ^a	MRL	Units	Dil ^b	Batch	Prepared	Analyzed	Notes
APE0003-24 (TP-5@4')		Soil		Sampled: 04/25/06 16:25						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.33	mg/kg dry	1x	6050007	05/04/06 15:00	05/05/06 01:21	
Benzene	"	0.0418	---	0.0133	"	"	"	"	"	"
Toluene	"	ND	---	0.0333	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0333	"	"	"	"	"	"
Xylenes (total)	"	0.0717	---	0.0500	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		81.9%		50 - 150 %		"		"		"
a,a,a-TFT (PID)		77.4%		20.2 - 131 %		"		"		"
APE0003-26 (TP-5@7.5')		Soil		Sampled: 04/25/06 16:40						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.33	mg/kg dry	1x	6050007	05/04/06 15:00	05/05/06 01:54	
Benzene	"	ND	---	0.0133	"	"	"	"	"	"
Toluene	"	ND	---	0.0333	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0333	"	"	"	"	"	"
Xylenes (total)	"	ND	---	0.0500	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		76.7%		50 - 150 %		"		"		"
a,a,a-TFT (PID)		72.2%		20.2 - 131 %		"		"		"
APE0003-27 (SHA-1@5')		Soil		Sampled: 04/26/06 09:55						
Gasoline Range Organics	AK101 GRO/BTEX	4.40	---	3.30	mg/kg dry	1.95x	6050007	05/04/06 15:00	05/05/06 02:27	
Benzene	"	ND	---	0.0133	"	"	"	"	"	"
Toluene	"	ND	---	0.0330	"	"	"	"	"	"
Ethylbenzene	"	0.109	---	0.0330	"	"	"	"	"	"
Xylenes (total)	"	0.333	---	0.0495	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		50.7%		50 - 150 %		"		"		"
a,a,a-TFT (PID)		44.6%		20.2 - 131 %		"		"		"
APE0003-28 (SHA-2@1')		Soil		Sampled: 04/26/06 11:20						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	7.52	mg/kg dry	1.5x	6050010	05/05/06 08:13	05/05/06 14:12	
Benzene	"	ND	---	0.0301	"	"	"	"	"	"
Toluene	"	ND	---	0.0752	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0752	"	"	"	"	"	"
Xylenes (total)	"	ND	---	0.113	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		97.5%		50 - 150 %		"		"		"
a,a,a-TFT (PID)		88.1%		20.2 - 131 %		"		"		"

TestAmerica - Anchorage, AK

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Amended Report



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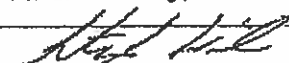
SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Gasoline Range Organics (C6-C10) and BTEX per AK101
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-29 (SHA-3@0.5')		Soil		Sampled: 04/26/06 11:55						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.46	mg/kg dry	1.5x	6050007	05/04/06 15:00	05/05/06 03:00	
Benzene	"	ND	---	0.0139	"	"	"	"	"	"
Toluene	"	ND	---	0.0346	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0346	"	"	"	"	"	"
Xylenes (total)	"	ND	---	0.0520	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		54.5%		50 - 150 %	"	"	"	"	"	A-01a
a,a,a-TFT (PID)		31.6%		20.2 - 131 %	"	"	"	"	"	"
APE0003-30 (SHA-4@2')		Soil		Sampled: 04/26/06 12:30						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	7.10	mg/kg dry	1.5x	6050007	05/04/06 15:00	05/05/06 03:32	
Benzene	"	ND	---	0.0284	"	"	"	"	"	"
Toluene	"	ND	---	0.0710	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0710	"	"	"	"	"	"
Xylenes (total)	"	ND	---	0.106	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		29.7%		50 - 150 %	"	"	"	"	"	A-01
a,a,a-TFT (PID)		27.0%		20.2 - 131 %	"	"	"	"	"	"
APE0003-31 (SHA-5@3')		Soil		Sampled: 04/26/06 13:00						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	7.22	mg/kg dry	1.5x	6050010	05/05/06 08:13	05/05/06 14:45	
Benzene	"	ND	---	0.0289	"	"	"	"	"	"
Toluene	"	ND	---	0.0722	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0722	"	"	"	"	"	"
Xylenes (total)	"	ND	---	0.106	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		86.5%		50 - 150 %	"	"	"	"	"	"
a,a,a-TFT (PID)		79.0%		20.2 - 131 %	"	"	"	"	"	"
APE0003-32 (SHA-6@2')		Soil		Sampled: 04/26/06 13:25						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.26	mg/kg dry	1.5x	6050007	05/04/06 15:00	05/05/06 04:05	
Benzene	"	ND	---	0.0131	"	"	"	"	"	"
Toluene	"	ND	---	0.0326	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0326	"	"	"	"	"	"
Xylenes (total)	"	ND	---	0.0490	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		51.1%		50 - 150 %	"	"	"	"	"	"
a,a,a-TFT (PID)		47.2%		20.2 - 131 %	"	"	"	"	"	"

TestAmerica - Anchorage, AK

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Amended Report



Amended Report

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

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-33 (SHA-7@5')		Soil		Sampled: 04/26/06 13:55						
Gasoline Range Organics	AK101 GRO/BTEX	25.8	—	6.23	mg/kg dry	1x	6050010	05/05/06 08:13	05/05/06 15:18	
Benzene	"	0.0348	—	0.0249	"	"	"	"	"	J, P-03
Toluene	"	ND	—	0.0623	"	"	"	"	"	
Ethylbenzene	"	0.467	—	0.0623	"	"	"	"	"	
Xylenes (total)	"	2.21	—	0.0934	"	"	"	"	"	
Surrogate(s):	a,a,a-TFT (FID)	96.2%		50 - 150 %	"	"	"	"	"	
	a,a,a-TFT (PID)	90.6%		20.2 - 131 %	"	"	"	"	"	
APE0003-34 (SHA-8@1')		Soil		Sampled: 04/26/06 14:30						
Gasoline Range Organics	AK101 GRO/BTEX	ND	—	8.34	mg/kg dry	1.5x	6050010	05/05/06 08:13	05/05/06 15:51	
Benzene	"	ND	—	0.0341	"	"	"	"	"	
Toluene	"	ND	—	0.0854	"	"	"	"	"	
Ethylbenzene	"	ND	—	0.0854	"	"	"	"	"	
Xylenes (total)	"	ND	—	0.128	"	"	"	"	"	
Surrogate(s):	a,a,a-TFT (FID)	87.8%		50 - 150 %	"	"	"	"	"	
	a,a,a-TFT (PID)	75.6%		20.2 - 131 %	"	"	"	"	"	
APE0003-35 (SHA-9@4')		Soil		Sampled: 04/26/06 14:50						
Gasoline Range Organics	AK101 GRO/BTEX	10.1	—	3.38	mg/kg dry	1.95x	6050010	05/05/06 08:13	05/05/06 16:24	
Benzene	"	0.0200	—	0.0143	"	"	"	"	"	
Toluene	"	ND	—	0.0358	"	"	"	"	"	
Ethylbenzene	"	0.513	—	0.0358	"	"	"	"	"	
Xylenes (total)	"	1.31	—	0.0537	"	"	"	"	"	
Surrogate(s):	a,a,a-TFT (FID)	50.2%		50 - 150 %	"	"	"	"	"	
	a,a,a-TFT (PID)	41.8%		20.2 - 131 %	"	"	"	"	"	
APE0003-36 (SHA-10@3')		Soil		Sampled: 04/26/06 15:20						
Gasoline Range Organics	AK101 GRO/BTEX	ND	—	12.0	mg/kg dry	1.5x	6030010	05/05/06 08:13	05/05/06 19:42	
Benzene	"	ND	—	0.0479	"	"	"	"	"	
Toluene	"	ND	—	0.120	"	"	"	"	"	
Ethylbenzene	"	0.155	—	0.120	"	"	"	"	"	
Xylenes (total)	"	0.729	—	0.180	"	"	"	"	"	
Surrogate(s):	a,a,a-TFT (FID)	78.3%		50 - 150 %	"	"	"	"	"	
	a,a,a-TFT (PID)	68.9%		20.2 - 131 %	"	"	"	"	"	

TestAmerica - Anchorage, AK

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 Stephen Wilson, Laboratory Manager

Amended Report



Amended Report


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

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-37 (SHA-11@4')		Soil		Sampled: 04/26/06 15:30						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	9.87	mg/kg dry	1.5x	6050010	05/05/06 08:13	05/05/06 20:15	
Benzene	"	ND	---	0.0395	"	"	"	"	"	
Toluene	"	ND	---	0.0987	"	"	"	"	"	
Ethylbenzene	"	0.130	---	0.0987	"	"	"	"	"	
Xylenes (total)	"	0.831	---	0.148	"	"	"	"	"	
Surrogate(s): a,a,a-TFT (FID)		76.2%		50 - 150 %	"	"	"	"	"	
a,a,a-TFT (PID)		70.0%		20.2 - 131 %	"	"	"	"	"	
APE0003-38 (SHA-12@1')		Soil		Sampled: 04/26/06 16:00						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.71	mg/kg dry	2.25x	6050010	05/05/06 08:13	05/05/06 20:46	
Benzene	"	ND	---	0.0148	"	"	"	"	"	
Toluene	"	ND	---	0.0371	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.0371	"	"	"	"	"	
Xylenes (total)	"	ND	---	0.0556	"	"	"	"	"	
Surrogate(s): a,a,a-TFT (FID)		57.5%		50 - 150 %	"	"	"	"	"	
a,a,a-TFT (PID)		49.9%		20.2 - 131 %	"	"	"	"	"	
APE0003-39 (SHA-13@1')		Soil		Sampled: 04/26/06 16:20						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.62	mg/kg dry	1.5x	6050010	05/05/06 08:13	05/05/06 21:21	
Benzene	"	ND	---	0.0145	"	"	"	"	"	
Toluene	"	ND	---	0.0362	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.0362	"	"	"	"	"	
Xylenes (total)	"	ND	---	0.0543	"	"	"	"	"	
Surrogate(s): a,a,a-TFT (FID)		67.9%		50 - 150 %	"	"	"	"	"	
a,a,a-TFT (PID)		60.8%		20.2 - 131 %	"	"	"	"	"	
APE0003-40 (SHA-14@2')		Soil		Sampled: 04/26/06 16:45						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	10.0	mg/kg dry	2.25x	6050010	05/05/06 08:13	05/05/06 21:54	
Benzene	"	ND	---	0.0400	"	"	"	"	"	
Toluene	"	ND	---	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.100	"	"	"	"	"	
Xylenes (total)	"	0.283	---	0.150	"	"	"	"	"	
Surrogate(s): a,a,a-TFT (FID)		93.1%		50 - 150 %	"	"	"	"	"	
a,a,a-TFT (PID)		83.4%		20.2 - 131 %	"	"	"	"	"	

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Gasoline Range Organics (C6-C10) and BTEX per AK101
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL ^a	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-41 (SHA-15@3')		Soil		Sampled: 04/27/06 08:55						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	8.43	mg/kg dry	2.25x	6050010	05/05/06 08:13	05/05/06 22:26	
Benzene	"	ND	---	0.0337	"	"	"	"	"	
Toluene	"	ND	---	0.0843	"	"	"	"	"	
Ethylbenzene	"	0.115	---	0.0843	"	"	"	"	"	
Xylenes (total)	"	0.408	---	0.126	"	"	"	"	"	
Surrogate(s): a,a,a-TFT (FID)		85.2%		50 - 150 %		"		"		
a,a,a-TFT (PID)		76.7%		20.2 - 131 %		"		"		
APE0003-42 (SHA-16@2')		Soil		Sampled: 04/27/06 09:10						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.27	mg/kg dry	2.25x	6050010	05/05/06 08:13	05/05/06 22:59	
Benzene	"	ND	---	0.0131	"	"	"	"	"	
Toluene	"	ND	---	0.0327	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.0327	"	"	"	"	"	
Xylenes (total)	"	ND	---	0.0490	"	"	"	"	"	
Surrogate(s): a,a,a-TFT (FID)		53.1%		50 - 150 %		"		"		
a,a,a-TFT (PID)		45.8%		20.2 - 131 %		"		"		
APE0003-43 (SHA-17@3')		Soil		Sampled: 04/27/06 09:40						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	8.39	mg/kg dry	1.95x	6050010	05/05/06 08:13	05/06/06 01:11	
Benzene	"	ND	---	0.0336	"	"	"	"	"	
Toluene	"	ND	---	0.0839	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.0839	"	"	"	"	"	
Xylenes (total)	"	ND	---	0.126	"	"	"	"	"	
Surrogate(s): a,a,a-TFT (FID)		2.45%		50 - 150 %		"		"		A-01
a,a,a-TFT (PID)		1.92%		20.2 - 131 %		"		"		A-01
APE0003-44 (SHA-18@4')		Soil		Sampled: 04/27/06 10:05						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.18	mg/kg dry	2.25x	6050010	05/05/06 08:13	05/09/06 15:24	
Benzene	"	ND	---	0.0127	"	"	"	"	"	
Toluene	"	ND	---	0.0318	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.0318	"	"	"	"	"	
Xylenes (total)	"	ND	---	0.0477	"	"	"	"	"	
Surrogate(s): a,a,a-TFT (FID)		61.0%		50 - 150 %		"		"		
a,a,a-TFT (PID)		55.4%		20.2 - 131 %		"		"		

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Gasoline Range Organics (C6-C10) and BTEX per AK101
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL ^a	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-45 (SHA-19@2.5')		Soil		Sampled: 04/27/06 10:30						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	7.64	mg/kg dry	2.25x	6050010	05/05/06 08:13	05/06/06 02:17	
Benzene	"	ND	---	0.0306	"	"	"	"	"	"
Toluene	"	ND	---	0.0764	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0764	"	"	"	"	"	"
Xylenes (total)	"	ND	---	0.115	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)			27.2%		50 - 150 %	"	"	"	"	S-08
a,a,a-TFT (PID)			23.9%		20.2 - 131 %	"	"	"	"	"
APE0003-46 (SHA-20@2.5')		Soil		Sampled: 04/27/06 11:00						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	8.27	mg/kg dry	1x	6050010	05/05/06 08:13	05/06/06 02:30	
Benzene	"	ND	---	0.0331	"	"	"	"	"	"
Toluene	"	ND	---	0.0827	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0827	"	"	"	"	"	"
Xylenes (total)	"	0.426	---	0.124	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)			85.7%		50 - 150 %	"	"	"	"	"
a,a,a-TFT (PID)			81.9%		20.2 - 131 %	"	"	"	"	"
APE0003-47 (SHA-21@3.5')		Soil		Sampled: 04/27/06 11:45						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.55	mg/kg dry	1.95x	6050010	05/05/06 08:13	05/06/06 03:23	
Benzene	"	ND	---	0.0142	"	"	"	"	"	"
Toluene	"	ND	---	0.0355	"	"	"	"	"	"
Ethylbenzene	"	0.0363	---	0.0355	"	"	"	"	"	"
Xylenes (total)	"	0.0645	---	0.0533	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)			33.6%		50 - 150 %	"	"	"	"	A-01
a,a,a-TFT (PID)			29.1%		20.2 - 131 %	"	"	"	"	"
APE0003-48 (SHA-22@3')		Soil		Sampled: 04/27/06 12:15						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	26.4	mg/kg dry	1.5x	6050014	05/08/06 08:20	05/08/06 18:59	
Benzene	"	ND	---	0.105	"	"	"	"	"	"
Toluene	"	ND	---	0.264	"	"	"	"	"	"
Ethylbenzene	"	0.912	---	0.264	"	"	"	"	"	"
Xylenes (total)	"	2.82	---	0.395	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)			80.3%		50 - 150 %	"	"	"	"	"
a,a,a-TFT (PID)			76.2%		20.2 - 131 %	"	"	"	"	"

TestAmerica - Anchorage, AK

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Stephen Wilson

Stephen Wilson, Laboratory Manager

Amended Report



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Gasoline Range Organics (C6-C10) and BTEX per AK101
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL ^a	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-49 (SHA-23@4')		Soil		Sampled: 04/27/06 12:55						
Gasoline Range Organics	AK101 GRO/BTEX	43.1	---	19.0	mg/kg dry	1.5x	6050014	05/06/06 08:20	05/08/06 19:32	
Benzene	"	ND	---	0.0759	"	"	"	"	"	"
Toluene	"	ND	---	0.190	"	"	"	"	"	"
Ethylbenzene	"	1.31	---	0.190	"	"	"	"	"	"
Xylenes (total)	"	2.82	---	0.285	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		93.7%		50 - 150 %		"		"		
a,a,a-TFT (PID)		89.8%		20.2 - 131 %		"		"		
APE0003-50 (SHA-24@2')		Soil		Sampled: 04/27/06 13:15						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	7.13	mg/kg dry	2.7x	6050010	05/05/06 08:13	05/08/06 03:55	
Benzene	"	ND	---	0.0285	"	"	"	"	"	"
Toluene	"	ND	---	0.0713	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0713	"	"	"	"	"	"
Xylenes (total)	"	ND	---	0.107	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		25.2%		50 - 150 %		"		"		S-OR
a,a,a-TFT (PID)		21.8%		20.2 - 131 %		"		"		
APE0003-51 (SHA-25@5')		Soil		Sampled: 04/27/06 13:40						
Gasoline Range Organics	AK101 GRO/BTEX	32.1	---	16.3	mg/kg dry	1x	6050014	05/08/06 08:20	05/08/06 20:05	
Benzene	"	ND	---	0.0653	"	"	"	"	"	"
Toluene	"	ND	---	0.163	"	"	"	"	"	"
Ethylbenzene	"	0.428	---	0.163	"	"	"	"	"	"
Xylenes (total)	"	2.92	---	0.245	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		86.4%		50 - 150 %		"		"		
a,a,a-TFT (PID)		84.0%		20.2 - 131 %		"		"		
APE0003-52 (SHA-26@3')		Soil		Sampled: 04/27/06 14:25						
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.38	mg/kg dry	1.5x	6050010	05/05/06 08:13	05/06/06 04:28	
Benzene	"	ND	---	0.0135	"	"	"	"	"	"
Toluene	"	ND	---	0.0338	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0338	"	"	"	"	"	"
Xylenes (total)	"	ND	---	0.0506	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		32.4%		50 - 150 %		"		"		A-01
a,a,a-TFT (PID)		28.7%		20.2 - 131 %		"		"		

TestAmerica - Anchorage, AK

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Stephen Wilson

Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Gasoline Range Organics (C6-C10) and BTEX per AK101
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL ^A	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-53 (SHA-27@2')		Soil		Sampled: 04/27/06 14:45						
Gasoline Range Organics	AK101 GRO/BTEX	ND	—	2.96	mg/kg dry	1.5x	6050014	05/08/06 08:20	05/08/06 20:38	
Benzene	"	ND	—	0.0118	"	"	"	"	"	"
Toluene	"	ND	—	0.0296	"	"	"	"	"	"
Ethylbenzene	"	ND	—	0.0296	"	"	"	"	"	"
Xylenes (total)	"	ND	—	0.0443	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		54.7%		50 - 150 %		"		"		
a,a,a-TFT (PID)		46.8%		20.2 - 131 %		"		"		
APE0003-54 (SHA-28@1')		Soil		Sampled: 04/27/06 15:00						
Gasoline Range Organics	AK101 GRO/BTEX	ND	—	2.90	mg/kg dry	1.5x	6050014	05/08/06 08:20	05/08/06 22:50	
Benzene	"	ND	—	0.0116	"	"	"	"	"	"
Toluene	"	ND	—	0.0290	"	"	"	"	"	"
Ethylbenzene	"	ND	—	0.0290	"	"	"	"	"	"
Xylenes (total)	"	ND	—	0.0436	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		55.3%		50 - 150 %		"		"		
a,a,a-TFT (PID)		50.0%		20.2 - 131 %		"		"		
APE0003-55 (SHA-29@3')		Soil		Sampled: 04/27/06 15:25						
Gasoline Range Organics	AK101 GRO/BTEX	ND	—	3.47	mg/kg dry	2.25x	6050014	05/08/06 08:20	05/08/06 23:22	
Benzene	"	ND	—	0.0139	"	"	"	"	"	"
Toluene	"	ND	—	0.0347	"	"	"	"	"	"
Ethylbenzene	"	ND	—	0.0347	"	"	"	"	"	"
Xylenes (total)	"	ND	—	0.0520	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		40.8%		50 - 150 %		"		"		A-01
a,a,a-TFT (PID)		36.6%		20.2 - 131 %		"		"		
APE0003-56 (SHA-30@1.5')		Soil		Sampled: 04/27/06 15:55						
Gasoline Range Organics	AK101 GRO/BTEX	ND	—	4.43	mg/kg dry	1x	6050014	05/08/06 08:20	05/08/06 23:55	
Benzene	"	ND	—	0.0177	"	"	"	"	"	"
Toluene	"	ND	—	0.0443	"	"	"	"	"	"
Ethylbenzene	"	ND	—	0.0443	"	"	"	"	"	"
Xylenes (total)	"	ND	—	0.0665	"	"	"	"	"	"
Surrogate(s): a,a,a-TFT (FID)		59.7%		50 - 150 %		"		"		
a,a,a-TFT (PID)		57.7%		20.2 - 131 %		"		"		

TestAmerica - Anchorage, AK

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Steph Wilson
 Steph Wilson, Laboratory Manager

Amended Report



Amended Report

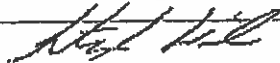
SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Gasoline Range Organics (C6-C10) and BTEX per AK101
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-57 (Trip Blank)		Soil Sampled: 04/25/06 10:45								
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.33	mg/kg wet	1x	6050014	05/08/06 08:20	05/08/06 22:17	
Benzene	"	ND	---	0.0133	"	"	"	"	"	"
Toluene	"	ND	---	0.0333	"	"	"	"	"	"
Ethylbenzene	"	ND	---	0.0333	"	"	"	"	"	"
Xylenes (total)	"	ND	---	0.0500	"	"	"	"	"	"
<i>Surrogate(s): a,a,a-TFT (FID)</i>				103%		50 - 150 %	"			"
<i>a,a,a-TFT (PID)</i>				99.2%		20.2 - 131 %	"			"

TestAmerica - Anchorage, AK

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

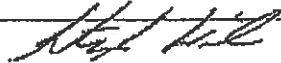
SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Diesel Range Organics (C10-C25) per AK102
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-04 (TP-1@7.5')		Soil		Sampled: 04/25/06 11:30						
Diesel Range Organics	AK 102	ND	—	25.0	mg/kg dry	1x	6050027	05/09/06 08:13	05/13/06 01:20	
Surrogate(s): 1-Chlorooctadecane		81.0%		50 - 150 %						
APE0003-08 (TP-2@8')		Soil		Sampled: 04/25/06 12:30						
Diesel Range Organics	AK 102	ND	—	25.0	mg/kg dry	1x	6050027	05/09/06 08:13	05/12/06 23:57	
Surrogate(s): 1-Chlorooctadecane		79.9%		50 - 150 %						
APE0003-14 (TP-3@8.5')		Soil		Sampled: 04/25/06 14:10						
Diesel Range Organics	AK 102	ND	—	25.0	mg/kg dry	1x	6050027	05/09/06 08:13	05/12/06 23:57	
Surrogate(s): 1-Chlorooctadecane		84.7%		50 - 150 %						
APE0003-17 (TP-4@6')		Soil		Sampled: 04/25/06 14:55						
Diesel Range Organics	AK 102	33.6	—	25.0	mg/kg dry	1x	6050027	05/09/06 08:13	05/12/06 23:16	
Surrogate(s): 1-Chlorooctadecane		81.6%		50 - 150 %						
APE0003-18 (TP-4@7')		Soil		Sampled: 04/25/06 15:15						
Diesel Range Organics	AK 102	ND	—	22.2	mg/kg dry	1x	6050027	05/09/06 08:13	05/12/06 23:16	
Surrogate(s): 1-Chlorooctadecane		83.4%		50 - 150 %						
APE0003-22 (TP-6@7.5')		Soil		Sampled: 04/25/06 16:00						
Diesel Range Organics	AK 102	38.1	—	25.0	mg/kg dry	1x	6050027	05/09/06 08:13	05/12/06 22:34	
Surrogate(s): 1-Chlorooctadecane		82.7%		50 - 150 %						
APE0003-24 (TP-5@4')		Soil		Sampled: 04/25/06 16:25						
Diesel Range Organics	AK 102	34.1	—	25.0	mg/kg dry	1x	6050027	05/09/06 08:13	05/12/06 22:34	
Surrogate(s): 1-Chlorooctadecane		81.3%		50 - 150 %						
APE0003-27 (SHA-1@5')		Soil		Sampled: 04/26/06 09:55						
Diesel Range Organics	AK 102	437	—	25.0	mg/kg dry	1x	6050027	05/09/06 08:13	05/12/06 21:53	
Surrogate(s): 1-Chlorooctadecane		80.9%		50 - 150 %						

TestAmerica - Anchorage, AK

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Diesel Range Organics (C10-C25) per AK102
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	DII	Batch	Prepared	Analyzed	Notes
APE0003-30 (SHA-4@2')		Soil		Sampled: 04/26/06 12:30						
Diesel Range Organics	AK 102	664	----	50.7	mg/kg dry	1x	6050027	05/09/06 08:13	05/12/06 21:53	
Surrogate(s): 1-Chlorooctadecane		76.9%		50 - 150 %		"				"
APE0003-33 (SHA-7@5')		Soil		Sampled: 04/26/06 13:55						
Diesel Range Organics	AK 102	1280	---	60.1	mg/kg dry	1x	6050027	05/10/06 09:02	05/12/06 21:11	
Surrogate(s): 1-Chlorooctadecane		86.2%		50 - 150 %		"				"
APE0003-35 (SHA-9@4')		Soil		Sampled: 04/26/06 14:50						
Diesel Range Organics	AK 102	642	----	25.0	mg/kg dry	1x	6050027	05/10/06 09:02	05/12/06 21:11	
Surrogate(s): 1-Chlorooctadecane		72.4%		50 - 150 %		"				"
APE0003-43 (SHA-17@3')		Soil		Sampled: 04/27/06 09:40						
Diesel Range Organics	AK 102	473	---	59.0	mg/kg dry	1x	6050027	05/10/06 09:02	05/12/06 20:29	
Surrogate(s): 1-Chlorooctadecane		61.4%		50 - 150 %		"				"
APE0003-46 (SHA-20@2.5')		Soil		Sampled: 04/27/06 11:00						
Diesel Range Organics	AK 102	1400	---	83.9	mg/kg dry	1x	6050027	05/10/06 09:02	05/12/06 20:29	
Surrogate(s): 1-Chlorooctadecane		61.6%		50 - 150 %		"				"
APE0003-50 (SHA-24@2')		Soil		Sampled: 04/27/06 13:15						
Diesel Range Organics	AK 102	751	---	56.1	mg/kg dry	1x	6050027	05/10/06 09:02	05/12/06 19:46	
Surrogate(s): 1-Chlorooctadecane		72.4%		50 - 150 %		"				"
APE0003-51 (SHA-25@5')		Soil		Sampled: 04/27/06 13:40						
Diesel Range Organics	AK 102	1800	---	65.4	mg/kg dry	1x	6050027	05/11/06 10:11	05/12/06 18:22	
Surrogate(s): 1-Chlorooctadecane		86.7%		50 - 150 %		"				"

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Stephen Wilson

Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Diesel Range Organics (C10-C25) per AK102 with Silica Gel Cleanup
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-02 (TP-1@4')		Soil		Sampled: 04/25/06 10:50						
Diesel Range Organics	AK 102	6130	----	500	mg/kg dry	1x	6050017	05/09/06 08:13	05/16/06 12:23	R-01
Surrogate(s): 1-Chlorooctadecane		102%		50 - 150 %		"		"		
APE0003-04 (TP-1@7.5')		Soil		Sampled: 04/25/06 11:30						
Diesel Range Organics	AK 102	ND	---	25.0	mg/kg dry	1x	6050017	05/09/06 08:13	05/16/06 11:41	
Surrogate(s): 1-Chlorooctadecane		83.7%		50 - 150 %		"		"		
APE0003-06 (TP-2@4'')		Soil		Sampled: 04/25/06 12:15						
Diesel Range Organics	AK 102	371	---	25.0	mg/kg dry	1x	6050017	05/09/06 08:13	05/16/06 08:58	
Surrogate(s): 1-Chlorooctadecane		91.1%		50 - 150 %		"		"		
APE0003-08 (TP-2@8')		Soil		Sampled: 04/25/06 12:30						
Diesel Range Organics	AK 102	ND	----	25.0	mg/kg dry	1x	6050017	05/09/06 08:13	05/16/06 22:40	
Surrogate(s): 1-Chlorooctadecane		80.5%		50 - 150 %		"		"		
APE0003-09 (TP-2@9'')		Soil		Sampled: 04/25/06 12:55						
Diesel Range Organics	AK 102	114	---	25.0	mg/kg dry	1x	6050017	05/09/06 08:13	05/16/06 11:41	
Surrogate(s): 1-Chlorooctadecane		85.9%		50 - 150 %		"		"		
APE0003-11 (TP-3@4')		Soil		Sampled: 04/25/06 12:20						
Diesel Range Organics	AK 102	152	---	25.0	mg/kg dry	1x	6050017	05/09/06 08:13	05/16/06 09:39	
Surrogate(s): 1-Chlorooctadecane		80.7%		50 - 150 %		"		"		
APE0003-14 (TP-3@8.5')		Soil		Sampled: 04/25/06 14:10						
Diesel Range Organics	AK 102	ND	---	25.0	mg/kg dry	1x	6050017	05/09/06 08:13	05/16/06 22:40	
Surrogate(s): 1-Chlorooctadecane		84.7%		50 - 150 %		"		"		
APE0003-16 (TP-4@4')		Soil		Sampled: 04/25/06 14:45						
Diesel Range Organics	AK 102	337	---	25.0	mg/kg dry	1x	6050017	05/09/06 08:13	05/16/06 09:39	
Surrogate(s): 1-Chlorooctadecane		81.1%		50 - 150 %		"		"		

TestAmerica - Anchorage, AK

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Stephen Wilson, Laboratory Manager

Amended Report



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Diesel Range Organics (C10-C25) per AK102 with Silica Gel Cleanup
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
Soil Sampled: 04/25/06 14:55										
APE0003-17 (TP-4@6')										
Diesel Range Organics	AK 102	31.4	—	25.0	mg/kg dry	1x	6050017	05/09/06 08:13	05/15/06 21:59	
Surrogate(s): 1-Chlorooctadecane		82.3%					50 - 150 %	"		"
Soil Sampled: 04/25/06 15:15										
APE0003-18 (TP-4@7')										
Diesel Range Organics	AK 102	ND	—	22.2	mg/kg dry	1x	6050017	05/09/06 08:13	05/15/06 21:59	
Surrogate(s): 1-Chlorooctadecane		84.1%					50 - 150 %	"		"
Soil Sampled: 04/25/06 15:45										
APE0003-20 (TP-6@4')										
Diesel Range Organics	AK 102	ND	—	25.0	mg/kg dry	1x	6050017	05/09/06 08:13	05/16/06 11:01	
Surrogate(s): 1-Chlorooctadecane		86.6%					50 - 150 %	"		"
Soil Sampled: 04/25/06 16:00										
APE0003-22 (TP-6@7.5')										
Diesel Range Organics	AK 102	27.2	—	25.0	mg/kg dry	1x	6050017	05/09/06 08:13	05/15/06 21:17	
Surrogate(s): 1-Chlorooctadecane		84.5%					50 - 150 %	"		"
Soil Sampled: 04/25/06 16:25										
APE0003-24 (TP-5@4')										
Diesel Range Organics	AK 102	29.7	—	25.0	mg/kg dry	1x	6050017	05/09/06 08:13	05/15/06 21:17	
Surrogate(s): 1-Chlorooctadecane		82.6%					50 - 150 %	"		"
Soil Sampled: 04/25/06 16:40										
APE0003-26 (TP-5@7.5')										
Diesel Range Organics	AK 102	ND	—	25.0	mg/kg dry	1x	6050017	05/09/06 08:13	05/16/06 11:01	
Surrogate(s): 1-Chlorooctadecane		87.3%					50 - 150 %	"		"
Soil Sampled: 04/26/06 09:55										
APE0003-27 (SHA-1@5')										
Diesel Range Organics	AK 102	396	—	25.0	mg/kg dry	1x	6050017	05/09/06 08:13	05/15/06 20:36	
Surrogate(s): 1-Chlorooctadecane		84.5%					50 - 150 %	"		"
Soil Sampled: 04/26/06 11:20										
APE0003-28 (SHA-2@1')										
Diesel Range Organics	AK 102	415	—	63.1	mg/kg dry	1x	6050017	05/09/06 08:13	05/15/06 23:22	
Surrogate(s): 1-Chlorooctadecane		85.3%					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.

Stephen Wilson

Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

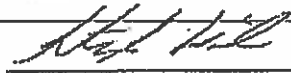
SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Diesel Range Organics (C10-C25) per AK102 with Silica Gel Cleanup
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-29 (SHA-3@0.5')		Soil		Sampled: 04/26/06 11:55						
Diesel Range Organics	AK 102	69.2	—	25.0	mg/kg dry	1x	6050017	05/09/06 08:13	05/16/06 08:17	
Surrogate(s): 1-Chlorooctadecane		85.9%		50 - 150 %						
APE0003-30 (SHA-4@2')		Soil		Sampled: 04/26/06 12:30						
Diesel Range Organics	AK 102	611	—	50.7	mg/kg dry	1x	6050017	05/09/06 08:13	05/15/06 20:36	
Surrogate(s): 1-Chlorooctadecane		87.7%		50 - 150 %						
APE0003-31 (SHA-5@3')		Soil		Sampled: 04/26/06 13:00						
Diesel Range Organics	AK 102	544	—	58.5	mg/kg dry	1x	6050017	05/09/06 08:13	05/16/06 00:03	
Surrogate(s): 1-Chlorooctadecane		85.9%		50 - 150 %						
APE0003-32 (SHA-6@2')		Soil		Sampled: 04/26/06 13:25						
Diesel Range Organics	AK 102	240	—	25.0	mg/kg dry	1x	6050023	05/10/06 11:58	05/16/06 08:17	
Surrogate(s): 1-Chlorooctadecane		81.2%		50 - 150 %						
APE0003-33 (SHA-7@5')		Soil		Sampled: 04/26/06 13:55						
Diesel Range Organics	AK 102	1210	—	60.1	mg/kg dry	1x	6050023	05/10/06 11:58	05/15/06 19:54	
Surrogate(s): 1-Chlorooctadecane		84.6%		50 - 150 %						
APE0003-34 (SHA-8@1')		Soil		Sampled: 04/26/06 14:30						
Diesel Range Organics	AK 102	290	—	59.2	mg/kg dry	1x	6050023	05/10/06 11:58	05/16/06 07:36	
Surrogate(s): 1-Chlorooctadecane		83.3%		50 - 150 %						
APE0003-35 (SHA-9@4')		Soil		Sampled: 04/26/06 14:50						
Diesel Range Organics	AK 102	598	—	25.0	mg/kg dry	1x	6050023	05/10/06 11:58	05/15/06 19:54	
Surrogate(s): 1-Chlorooctadecane		82.8%		50 - 150 %						
APE0003-36 (SHA-10@3')		Soil		Sampled: 04/26/06 15:20						
Diesel Range Organics	AK 102	1460	—	98.4	mg/kg dry	1x	6050023	05/10/06 11:58	05/16/06 07:36	
Surrogate(s): 1-Chlorooctadecane		79.5%		50 - 150 %						

TestAmerica - Anchorage, AK

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report


SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Diesel Range Organics (C10-C25) per AK102 with Silica Gel Cleanup
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-37 (SHA-11@4')		Soil		Sampled: 04/26/06 15:30						
Diesel Range Organics	AK 102	1830	—	77.2	mg/kg dry	1x	6050023	05/10/06 11:58	05/16/06 06:55	
Surrogate(s): 1-Chlorooctadecane		89.8%			50 - 150 %	"				"
APE0003-38 (SHA-12@1')		Soil		Sampled: 04/26/06 16:00						
Diesel Range Organics	AK 102	175	—	25.0	mg/kg dry	1x	6050023	05/10/06 11:58	05/16/06 06:55	
Surrogate(s): 1-Chlorooctadecane		83.9%			50 - 150 %	"				"
APE0003-39 (SHA-13@1')		Soil		Sampled: 04/26/06 16:20						
Diesel Range Organics	AK 102	259	—	25.0	mg/kg dry	1x	6050023	05/10/06 11:58	05/16/06 06:14	
Surrogate(s): 1-Chlorooctadecane		86.6%			50 - 150 %	"				"
APE0003-40 (SHA-14@2')		Soil		Sampled: 04/26/06 16:45						
Diesel Range Organics	AK 102	954	—	68.7	mg/kg dry	1x	6050023	05/10/06 11:58	05/15/06 23:22	
Surrogate(s): 1-Chlorooctadecane		73.1%			50 - 150 %	"				"
APE0003-41 (SHA-15@3')		Soil		Sampled: 04/27/06 08:55						
Diesel Range Organics	AK 102	1830	—	60.2	mg/kg dry	1x	6050023	05/10/06 11:58	05/16/06 00:03	
Surrogate(s): 1-Chlorooctadecane		78.5%			50 - 150 %	"				"
APE0003-42 (SHA-16@2')		Soil		Sampled: 04/27/06 09:10						
Diesel Range Organics	AK 102	98.2	—	25.0	mg/kg dry	1x	6050023	05/10/06 11:58	05/16/06 06:14	
Surrogate(s): 1-Chlorooctadecane		83.1%			50 - 150 %	"				"
APE0003-43 (SHA-17@3')		Soil		Sampled: 04/27/06 09:40						
Diesel Range Organics	AK 102	421	—	59.0	mg/kg dry	1x	6050023	05/10/06 11:58	05/15/06 19:12	
Surrogate(s): 1-Chlorooctadecane		78.1%			50 - 150 %	"				"
APE0003-44 (SHA-18@4')		Soil		Sampled: 04/27/06 10:05						
Diesel Range Organics	AK 102	326	—	25.0	mg/kg dry	1x	6050023	05/10/06 11:58	05/16/06 05:33	
Surrogate(s): 1-Chlorooctadecane		85.1%			50 - 150 %	"				"

TestAmerica - Anchorage, AK

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Diesel Range Organics (C10-C25) per AK102 with Silica Gel Cleanup
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-45 (SHA-19@2.5')		Soil						Sampled: 04/27/06 10:30		
Diesel Range Organics	AK 102	883	---	52.2	mg/kg dry	1x	6050023	05/10/06 11:58	05/16/06 05:33	
Surrogate(s): 1-Chlorooctadecane		70.9%				50 - 150 %	"			"
APE0003-46 (SHA-20@2.5')		Soil						Sampled: 04/27/06 11:00		
Diesel Range Organics	AK 102	1230	---	83.9	mg/kg dry	1x	6050023	05/10/06 11:58	05/15/06 18:30	
Surrogate(s): 1-Chlorooctadecane		63.7%				50 - 150 %	"			"
APE0003-47 (SHA-21@3.5')		Soil						Sampled: 04/27/06 11:45		
Diesel Range Organics	AK 102	345	---	25.0	mg/kg dry	1x	6050023	05/10/06 11:58	05/16/06 04:52	
Surrogate(s): 1-Chlorooctadecane		89.0%				50 - 150 %	"			"
APE0003-48 (SHA-22@3')		Soil						Sampled: 04/27/06 12:15		
Diesel Range Organics	AK 102	1250	---	93.6	mg/kg dry	1x	6050023	05/10/06 11:58	05/16/06 04:52	
Surrogate(s): 1-Chlorooctadecane		70.2%				50 - 150 %	"			"
APE0003-49 (SHA-23@4')		Soil						Sampled: 04/27/06 12:55		
Diesel Range Organics	AK 102	1220	---	74.9	mg/kg dry	1x	6050023	05/10/06 11:58	05/16/06 04:11	
Surrogate(s): 1-Chlorooctadecane		64.1%				50 - 150 %	"			"
APE0003-50 (SHA-24@2')		Soil						Sampled: 04/27/06 13:15		
Diesel Range Organics	AK 102	695	---	36.1	mg/kg dry	1x	6050023	05/10/06 11:58	05/15/06 17:06	
Surrogate(s): 1-Chlorooctadecane		84.6%				50 - 150 %	"			"
APE0003-51 (SHA-25@5')		Soil						Sampled: 04/27/06 13:40		
Diesel Range Organics	AK 102	1710	---	65.4	mg/kg dry	1x	6050026	05/11/06 10:08	05/15/06 17:06	
Surrogate(s): 1-Chlorooctadecane		89.7%				50 - 150 %	"			"
APE0003-52 (SHA-26@3')		Soil						Sampled: 04/27/06 14:25		
Diesel Range Organics	AK 102	83.9	----	25.0	mg/kg dry	1x	6050026	05/11/06 10:08	05/16/06 04:11	
Surrogate(s): 1-Chlorooctadecane		83.7%				50 - 150 %	"			"

TestAmerica - Anchorage, AK

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Stephen Wilson
 Stephen Wilson, Laboratory Manager

Amended Report



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SECC02 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Diesel Range Organics (C10-C25) per AK102 with Silica Gel Cleanup
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL ^A	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-53 (SHA-27@2')		Soil		Sampled: 04/27/06 14:45						
Diesel Range Organics	AK 102	192	---	25.0	mg/kg dry	1x	6050026	05/11/06 10:08	05/16/06 03:29	
Surrogate(s): 1-Chlorooctadecane		82.1%				50 - 150 %	"			"
APE0003-54 (SHA-28@1')		Soil		Sampled: 04/27/06 15:00						
Diesel Range Organics	AK 102	55.3	---	25.0	mg/kg dry	1x	6050026	05/11/06 10:08	05/16/06 03:29	
Surrogate(s): 1-Chlorooctadecane		83.8%				50 - 150 %	"			"
APE0003-55 (SHA-29@3')		Soil		Sampled: 04/27/06 15:25						
Diesel Range Organics	AK 102	305	---	25.0	mg/kg dry	1x	6050026	05/11/06 10:08	05/16/06 00:44	
Surrogate(s): 1-Chlorooctadecane		83.2%				50 - 150 %	"			"
APE0003-56 (SHA-30@1.5')		Soil		Sampled: 04/27/06 15:55						
Diesel Range Organics	AK 102	172	---	25.0	mg/kg dry	1x	6050026	05/11/06 10:08	05/16/06 00:44	
Surrogate(s): 1-Chlorooctadecane		78.2%				50 - 150 %	"			"

TestAmerica - Anchorage, AK

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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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
APE0003-02 (TP-1@4')		Soil								Sampled: 04/25/06 10:50
Dry Weight	BSOPSPLO03R0 7	50.0	—	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-04 (TP-1@7.5')		Soil								Sampled: 04/25/06 11:30
Dry Weight	BSOPSPLO03R0 7	83.4	—	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-06 (TP-2@4")		Soil								Sampled: 04/25/06 12:15
Dry Weight	BSOPSPLO03R0 7	58.1	—	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-08 (TP-2@8")		Soil								Sampled: 04/25/06 12:30
Dry Weight	BSOPSPLO03R0 7	82.4	—	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-09 (TP-2@9")		Soil								Sampled: 04/25/06 12:55
Dry Weight	BSOPSPLO03R0 7	81.8	—	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-11 (TP-3@4')		Soil								Sampled: 04/25/06 12:20
Dry Weight	BSOPSPLO03R0 7	68.8	—	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-14 (TP-3@8.5')		Soil								Sampled: 04/25/06 14:10
Dry Weight	BSOPSPLO03R0 7	86.2	—	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-16 (TP-4@4')		Soil								Sampled: 04/25/06 14:45
Dry Weight	BSOPSPLO03R0 7	70.3	—	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-17 (TP-4@6')		Soil								Sampled: 04/25/06 14:55
Dry Weight	BSOPSPLO03R0 7	80.8	—	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-18 (TP-4@7')		Soil								Sampled: 04/25/06 15:15
Dry Weight	BSOPSPLO03R0 7	81.2	—	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-20 (TP-6@4')		Soil								Sampled: 04/25/06 15:45

TestAmerica - Anchorage, AK

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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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
APE0003-20 (TP-6@4')		Soil						Sampled: 04/25/06 15:45		
Dry Weight	BSOPSPLO03R0 7	83.6	---	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-22 (TP-6@7.5')		Soil						Sampled: 04/25/06 16:00		
Dry Weight	BSOPSPLO03R0 7	78.9	---	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-24 (TP-5@4')		Soil						Sampled: 04/25/06 16:25		
Dry Weight	BSOPSPLO03R0 7	81.6	---	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APR0003-26 (TP-5@7.5')		Soil						Sampled: 04/25/06 16:40		
Dry Weight	BSOPSPLO03R0 7	79.2	---	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-27 (SHA-1@5')		Soil						Sampled: 04/26/06 09:55		
Dry Weight	BSOPSPLO03R0 7	58.4	---	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APR0003-28 (SHA-2@1')		Soil						Sampled: 04/26/06 11:20		
Dry Weight	BSOPSPLO03R0 7	39.6	---	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APR0003-29 (SHA-3@0.5')		Soil						Sampled: 04/26/06 11:55		
Dry Weight	BSOPSPLO03R0 7	63.4	---	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-30 (SHA-4@2')		Soil						Sampled: 04/26/06 12:30		
Dry Weight	BSOPSPLO03R0 7	49.3	---	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APE0003-31 (SHA-5@3')		Soil						Sampled: 04/26/06 13:00		
Dry Weight	BSOPSPLO03R0 7	42.7	---	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APR0003-32 (SHA-6@2')		Soil						Sampled: 04/26/06 13:25		
Dry Weight	BSOPSPLO03R0 7	67.9	---	1.00	%	1x	6050012	05/05/06 15:15	05/08/06 13:11	
APR0003-33 (SHA-7@5')		Soil						Sampled: 04/26/06 13:55		

TestAmerica - Anchorage, AK

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

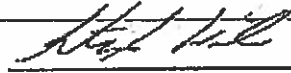
SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Physical Parameters by APHA/ASTM/EPA Methods
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-33 (SHA-7@5')			Soil					Sampled: 04/26/06 13:55		
Dry Weight	BSOPSPLO03R0 7	41.6	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-34 (SHA-8@1')			Soil					Sampled: 04/26/06 14:30		
Dry Weight	BSOPSPLO03R0 7	42.2	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-35 (SHA-9@4')			Soil					Sampled: 04/26/06 14:50		
Dry Weight	BSOPSPLO03R0 7	52.7	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-36 (SHA-10@3')			Soil					Sampled: 04/26/06 15:20		
Dry Weight	BSOPSPLO03R0 7	25.4	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-37 (SHA-11@4')			Soil					Sampled: 04/26/06 15:30		
Dry Weight	BSOPSPLO03R0 7	32.4	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-38 (SHA-12@1')			Soil					Sampled: 04/26/06 16:00		
Dry Weight	BSOPSPLO03R0 7	59.3	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-39 (SHA-13@1')			Soil					Sampled: 04/26/06 16:20		
Dry Weight	BSOPSPLO03R0 7	73.1	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-40 (SHA-14@2')			Soil					Sampled: 04/26/06 16:45		
Dry Weight	BSOPSPLO03R0 7	36.4	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-41 (SHA-15@3')			Soil					Sampled: 04/27/06 08:55		
Dry Weight	BSOPSPLO03R0 7	41.5	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-42 (SHA-16@2')			Soil					Sampled: 04/27/06 09:10		
Dry Weight	BSOPSPLO03R0 7	66.5	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-43 (SHA-17@3')			Soil					Sampled: 04/27/06 09:40		

TestAmerica - Anchorage, AK

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Stephen Wilson, Laboratory Manager

Amended Report



Amended Report

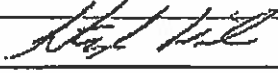
SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Physical Parameters by APHA/ASTM/EPA Methods
 TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APE0003-43 (SHA-17@3')		Soil								Sampled: 04/27/06 09:40
Dry Weight	BSOPFL003R0 7	42.4	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-44 (SHA-18@4')		Soil								Sampled: 04/27/06 10:05
Dry Weight	BSOPFL003R0 7	62.1	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-45 (SHA-19@2.5')		Soil								Sampled: 04/27/06 10:30
Dry Weight	BSOPFL003R0 7	47.9	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-46 (SHA-20@2.5')		Soil								Sampled: 04/27/06 11:00
Dry Weight	BSOPFL003R0 7	29.8	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-47 (SHA-21@3.5')		Soil								Sampled: 04/27/06 11:45
Dry Weight	BSOPFL003R0 7	76.4	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-48 (SHA-22@3')		Soil								Sampled: 04/27/06 12:15
Dry Weight	BSOPFL003R0 7	26.7	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-49 (SHA-23@4')		Soil								Sampled: 04/27/06 12:55
Dry Weight	BSOPFL003R0 7	33.4	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-50 (SHA-24@2')		Soil								Sampled: 04/27/06 13:15
Dry Weight	BSOPFL003R0 7	44.6	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-51 (SHA-25@5')		Soil								Sampled: 04/27/06 13:40
Dry Weight	BSOPFL003R0 7	38.2	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-52 (SHA-26@3')		Soil								Sampled: 04/27/06 14:25
Dry Weight	BSOPFL003R0 7	63.4	---	1.00	%	1x	6050013	05/05/06 15:17	05/08/06 13:13	
APE0003-53 (SHA-27@2')		Soil								Sampled: 04/27/06 14:45

TestAmerica - Anchorage, AK

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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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
APE0003-53 (SHA-27@2')		Soil		Sampled: 04/27/06 14:45						
Dry Weight	BSOPSP003R0 7	74.6	—	1.00	%	1x	6050016	05/08/06 08:29	05/09/06 09:04	
APE0003-54 (SHA-28@1')		Soil		Sampled: 04/27/06 15:00						
Dry Weight	BSOPSP003R0 7	67.0	—	1.00	%	1x	6050016	05/08/06 08:29	05/09/06 09:04	
APE0003-55 (SHA-29@3')		Soil		Sampled: 04/27/06 15:25						
Dry Weight	BSOPSP003R0 7	58.5	—	1.00	%	1x	6050016	05/08/06 08:29	05/09/06 09:04	
APE0003-56 (SHA-30@1.5')		Soil		Sampled: 04/27/06 15:55						
Dry Weight	BSOPSP003R0 7	62.5	—	1.00	%	1x	6050016	05/08/06 08:29	05/09/06 09:04	

TestAmerica - Anchorage, AK

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Gasoline Range Organics (C6-C10) and BTEX per AK101 - Laboratory Quality Control Results
 TestAmerica - Anchorage, AK

QC Batch: 6050007	Soil Preparation Method: AK101 Field Prep
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Analyte	Method	Result	MDL ^a	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6050007-BLK1)													Extracted: 05/04/06 10:33	
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.33	mg/kg wet	1x	--	--	--	--	--	--	05/04/06 12:16	
Benzene	"	ND	---	0.0133	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.0333	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.0333	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Surrogate(s):	a,a,o-TFT (FID)	Recovery: 94.2%		Limits: 50-150%	"								05/04/06 12:16	
	a,a,o-TFT (PID)	90.4%		20.2-131%	"								"	
LCS (6050007-BS1)													Extracted: 05/04/06 10:33	
Gasoline Range Organics	AK101 GRO/BTEX	17.6	---	3.33	mg/kg wet	1x	--	22.0	80.0%	(60-120)	--	--	05/04/06 11:10	
Benzene	"	0.227	---	0.0133	"	"	--	0.212	107%	(73.1-117)	--	--	"	
Toluene	"	1.68	---	0.0333	"	"	--	1.84	91.3%	(70.4-117)	--	--	"	
Ethylbenzene	"	0.361	---	0.0333	"	"	--	0.368	98.1%	(73.3-121)	--	--	"	
Xylenes (total)	"	1.94	---	0.0500	"	"	--	2.12	91.5%	(79-121)	--	--	"	
Surrogate(s):	a,a,o-TFT (FID)	Recovery: 102%		Limits: 50-150%	"								05/04/06 11:10	
	a,a,o-TFT (PID)	102%		20.2-131%	"								"	
LCS Dup (6050007-BSD1)													Extracted: 05/04/06 10:33	
Gasoline Range Organics	AK101 GRO/BTEX	18.4	---	3.33	mg/kg wet	1x	--	22.0	83.6%	(60-120)	4.44% (20)	--	05/04/06 11:43	
Benzene	"	0.235	---	0.0133	"	"	--	0.212	111%	(73.1-117)	3.46% (12.6)	--	"	
Toluene	"	1.75	---	0.0333	"	"	--	1.84	95.1%	(70.4-117)	4.08% (11.4)	--	"	
Ethylbenzene	"	0.355	---	0.0333	"	"	--	0.368	96.5%	(73.3-121)	1.68% (9.89)	--	"	
Xylenes (total)	"	2.07	---	0.0500	"	"	--	2.12	97.6%	(79-121)	6.48% (11.1)	--	"	
Surrogate(s):	a,a,o-TFT (FID)	Recovery: 107%		Limits: 50-150%	"								05/04/06 11:43	
	a,a,o-TFT (PID)	107%		20.2-131%	"								"	
Duplicate (6050007-DUP1)													QC Source: APE0003-04 Extracted: 05/04/06 10:33	
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.33	mg/kg dry	1x	ND	--	--	--	35.9% (50)	--	05/05/06 04:38	
Surrogate(s):	a,a,o-TFT (FID)	Recovery: 79.3%		Limits: 50-150%	"								05/05/06 04:38	
Matrix Spike (6050007-MS1)													QC Source: APE0003-04 Extracted: 05/04/06 10:33	
Benzene	AK101 GRO/BTEX	0.802	---	0.0133	mg/kg dry	1x	0.00159	0.819	97.7%	(70.6-120)	--	--	05/05/06 05:11	
Toluene	"	0.841	---	0.0333	"	"	0.00732	0.827	101%	(74.6-120)	--	--	"	
Ethylbenzene	"	0.889	---	0.0333	"	"	ND	0.799	111%	(72.4-127)	--	--	"	
Xylenes (total)	"	2.62	---	0.0500	"	"	0.0488	2.44	105%	(61-122)	--	--	"	
Surrogate(s):	a,a,o-TFT (PID)	Recovery: 88.1%		Limits: 20.2-131%	"								05/05/06 05:11	

TestAmerica - Anchorage, AK

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Stephen Wilson
 Stephen Wilson, Laboratory Manager

Amended Report



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Gasoline Range Organics (C6-C10) and BTEX per AK101 - Laboratory Quality Control Results
 TestAmerica - Anchorage, AK

QC Batch: 6050007 Soil Preparation Method: AK101 Field Prep

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (6050007-MSD1)														
							QC Source: APE003-04							
													Extracted: 05/04/06 10:33	
Benzene	AK101 GRO/BTEX	0.841	---	0.0133	mg/kg dry	1x	0.00159	0.819	102%	(70.6-120)	4.75% (11.3)		05/05/06 05:44	
Toluene	"	0.888	---	0.0333	"	"	0.00732	0.827	106%	(74.6-120)	5.44% (11.1)		"	
Ethylbenzene	"	0.942	---	0.0333	"	"	ND	0.799	118%	(72.4-127)	5.79% (10.6)		"	
Xylenes (total)	"	2.76	---	0.0500	"	"	0.0486	2.44	111%	(81-122)	5.20% (11.4)		"	
<i>Surrogate(s): a,a,a-TFT (PID)</i>		<i>Recovery: 85.3%</i>	<i>Limits: 20.2-131%</i>										<i>05/05/06 05:44</i>	

QC Batch: 6050010 Soil Preparation Method: AK101 Field Prep

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6050010-BLK1)														
							QC Source: APE003-04							
													Extracted: 05/05/06 08:13	
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.33	mg/kg wet	1x	--	--	--	--	--	--	05/05/06 12:30	
Benzene	"	ND	---	0.0133	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.0333	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.0333	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): a,a,a-TFT (FID)</i>		<i>Recovery: 95.0%</i>	<i>Limits: 50-150%</i>										<i>05/05/06 12:30</i>	
<i>a,a,a-TFT (PID)</i>		<i>88.8%</i>	<i>20.2-131%</i>										<i>"</i>	

LCS (6050010-BSI)

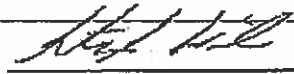
Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Gasoline Range Organics														
							QC Source: APE003-04							
													Extracted: 05/05/06 08:13	
Gasoline Range Organics	AK101 GRO/BTEX	18.0	---	3.33	mg/kg wet	1x	--	22.0	81.8%	(60-120)	--	--	05/05/06 11:24	
Benzene	"	0.234	---	0.0133	"	"	--	0.212	110%	(73.1-117)	--	--	"	
Toluene	"	1.72	---	0.0333	"	"	--	1.84	93.5%	(70.4-117)	--	--	"	
Ethylbenzene	"	0.370	---	0.0333	"	"	--	0.368	101%	(73.3-121)	--	--	"	
Xylenes (total)	"	2.03	---	0.0500	"	"	--	2.12	95.8%	(79-121)	--	--	"	
<i>Surrogate(s): a,a,a-TFT (FID)</i>		<i>Recovery: 103%</i>	<i>Limits: 50-150%</i>										<i>05/05/06 11:24</i>	
<i>a,a,a-TFT (PID)</i>		<i>103%</i>	<i>20.2-131%</i>										<i>"</i>	

LCS Dup (6050010-BSD1)

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Gasoline Range Organics														
							QC Source: APE003-04							
													Extracted: 05/05/06 08:13	
Gasoline Range Organics	AK101 GRO/BTEX	18.0	---	3.33	mg/kg wet	1x	--	22.0	81.8%	(60-120)	0.00% (20)		05/05/06 11:57	
Benzene	"	0.234	---	0.0133	"	"	--	0.212	110%	(73.1-117)	0.00% (12.6)		"	
Toluene	"	1.73	---	0.0333	"	"	--	1.84	94.0%	(70.4-117)	0.580% (11.4)		"	
Ethylbenzene	"	0.374	---	0.0333	"	"	--	0.368	102%	(73.3-121)	1.08% (9.89)		"	
Xylenes (total)	"	2.03	---	0.0500	"	"	--	2.12	95.8%	(79-121)	0.00% (11.1)		"	
<i>Surrogate(s): a,a,a-TFT (FID)</i>		<i>Recovery: 106%</i>	<i>Limits: 50-150%</i>										<i>05/05/06 11:57</i>	
<i>a,a,a-TFT (PID)</i>		<i>104%</i>	<i>20.2-131%</i>										<i>"</i>	

TestAmerica - Anchorage, AK

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Gasoline Range Organics (C6-C10) and BTEX per AKI01 - Laboratory Quality Control Results
 TestAmerica - Anchorage, AK

QC Batch: 6050010 Soil Preparation Method: AKI01 Field Prep

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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Duplicate (6050010-DUP1)

QC Source: APE0003-28

Extracted: 05/05/06 08:13

Gasoline Range Organics	AKI01 GRO/BTEX	ND	---	7.52	mg/kg dry	1.5x	ND	--	--	--	35.8%	(50)	05/05/06 18:03	
Surrogate(s): o,a,a-TFT (PID)		Recovery: 96.3%		Limits: 50-150%								05/05/06 18:03		

Matrix Spike (6050010-MS1)

QC Source: APE0003-28

Extracted: 05/05/06 08:13

Benzene	AKI01 GRO/BTEX	1.56	---	0.0301	mg/kg dry	1.5x	0.000902	1.52	103%	(70.6-120)	--	--	05/05/06 18:36	
Toluene	"	1.65	---	0.0752	"	"	ND	1.53	108%	(74.6-120)	--	--	"	
Ethylbenzene	"	1.73	---	0.0752	"	"	ND	1.48	117%	(72.4-127)	--	--	"	
Xylenes (total)	"	5.05	---	0.113	"	"	ND	4.53	111%	(81-122)	--	--	"	
Surrogate(s): o,a,a-TFT (PID)		Recovery: 94.5%		Limits: 20.2-131%								05/05/06 18:36		

Matrix Spike Dup (6050010-MSD1)

QC Source: APE0003-28

Extracted: 05/05/06 08:13

Benzene	AKI01 GRO/BTEX	1.39	---	0.0301	mg/kg dry	1.5x	0.000902	1.52	91.4%	(70.6-120)	11.5%	(11.3)	05/05/06 19:09	RP-2
Toluene	"	1.49	---	0.0752	"	"	ND	1.53	97.4%	(74.6-120)	10.2%	(11.1)	"	
Ethylbenzene	"	1.56	---	0.0752	"	"	ND	1.48	105%	(72.4-127)	10.3%	(10.6)	"	
Xylenes (total)	"	4.60	---	0.113	"	"	ND	4.53	102%	(81-122)	9.33%	(11.4)	"	
Surrogate(s): o,a,a-TFT (PID)		Recovery: 93.4%		Limits: 20.2-131%								05/05/06 19:09		

QC Batch: 6050014 Soil Preparation Method: AKI01 Field Prep

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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Blank (6050014-BLK1)

Extracted: 05/08/06 08:20

Gasoline Range Organics	AKI01 GRO/BTEX	ND	---	3.33	mg/kg wet	1x	--	--	--	--	--	--	05/08/06 17:53	
Benzene	"	ND	---	0.0133	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.0333	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.0333	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Surrogate(s): o,a,a-TFT (PID)		Recovery: 100%		Limits: 50-150%								05/08/06 17:53		
o,a,a-TFT (PID)		96.1%		20.2-131%										

LCS (6050014-BS1)

Extracted: 05/08/06 08:20

Gasoline Range Organics	AKI01 GRO/BTEX	17.5	---	3.33	mg/kg wet	1x	--	22.0	79.5%	(60-120)	--	--	05/08/06 16:47	
Benzene	"	0.236	---	0.0133	"	"	--	0.212	111%	(73.1-117)	--	--	"	
Toluene	"	1.74	---	0.0333	"	"	--	1.84	94.6%	(70.4-117)	--	--	"	
Ethylbenzene	"	0.361	---	0.0333	"	"	--	0.368	98.1%	(73.3-121)	--	--	"	
Xylenes (total)	"	2.06	---	0.0500	"	"	--	2.12	97.2%	(79-121)	--	--	"	

TestAmerica - Anchorage, AK

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Stephen Wilson
 Stephen Wilson, Laboratory Manager

Amended Report



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Gasoline Range Organics (C6-C10) and BTEX per AK101 - Laboratory Quality Control Results
 TestAmerica - Anchorage, AK

QC Batch: 6050014 **Soil Preparation Method:** AK101 Field Prep

Analyte	Method	Result	MDL ^A	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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LCS (6050014-BS1) **Extracted:** 05/08/06 08:20

<i>Surrogate(s):</i> <i>a,a,d-TFT (FID)</i>	<i>Recovery:</i> 104%	<i>Limits:</i> 50-150%	1x										05/08/06 16:47	
<i>a,a,d-TFT (PID)</i>	106%	20.2-131%	"											

LCS Dup (6050014-BSD1) **Extracted:** 05/08/06 08:20

Gasoline Range Organics	AK101 GRO/BTEX	18.1	---	3.33	mg/kg wet	1x	--	22.0	82.3%	(60-120)	3.37% (20)		05/08/06 17:20	
Benzene	"	0.238	---	0.0133	"	"	--	0.212	112%	(73.1-117)	0.844% (12.6)		"	
Toluene	"	1.76	---	0.0333	"	"	--	1.84	95.7%	(70.4-117)	1.14% (11.4)		"	
Ethylbenzene	"	0.377	---	0.0333	"	"	--	0.368	102%	(73.3-121)	4.34% (9.89)		"	
Xylenes (total)	"	2.07	---	0.0500	"	"	--	2.12	97.6%	(79-121)	0.484% (11.1)		"	
<i>Surrogate(s):</i> <i>a,a,d-TFT (FID)</i>	<i>Recovery:</i> 103%	<i>Limits:</i> 50-150%	"										05/08/06 17:20	
<i>a,a,d-TFT (PID)</i>	107%	20.2-131%	"										"	

Duplicate (6050014-DUP1) **QC Source:** APE0011-07 **Extracted:** 05/08/06 08:20

Gasoline Range Organics	AK101 GRO/BTEX	ND	---	3.40	mg/kg dry	2.25x	ND	--	--	--	0.494% (50)		05/09/06 01:33	
<i>Surrogate(s):</i> <i>a,a,d-TFT (FID)</i>	<i>Recovery:</i> 63.3%	<i>Limits:</i> 50-150%	"										05/09/06 01:33	

Matrix Spike (6050014-MS1) **QC Source:** APE0011-07 **Extracted:** 05/08/06 08:20

Benzene	AK101 GRO/BTEX	0.954	---	0.0136	mg/kg dry	2.25x	0.000435	0.881	108%	(70.6-120)	--	--	05/09/06 02:06	
Toluene	"	0.991	---	0.0340	"	"	ND	0.890	111%	(74.6-120)	--	--	"	
Ethylbenzene	"	1.03	---	0.0340	"	"	ND	0.859	120%	(72.4-127)	--	--	"	
Xylenes (total)	"	2.99	---	0.0510	"	"	0.0108	2.63	113%	(81-122)	--	--	"	
<i>Surrogate(s):</i> <i>a,a,d-TFT (PID)</i>	<i>Recovery:</i> 64.8%	<i>Limits:</i> 20.2-131%	"										05/09/06 02:06	

Matrix Spike Dup (6050014-MSD1) **QC Source:** APE0011-07 **Extracted:** 05/08/06 08:20

Benzene	AK101 GRO/BTEX	1.01	---	0.0136	mg/kg dry	2.25x	0.000435	0.881	115%	(70.6-120)	5.70% (11.3)		05/09/06 02:39	
Toluene	"	1.06	---	0.0340	"	"	ND	0.890	119%	(74.6-120)	6.73% (11.1)		"	
Ethylbenzene	"	1.11	---	0.0340	"	"	ND	0.859	129%	(72.4-127)	7.48% (10.6)		"	Q-01
Xylenes (total)	"	3.22	---	0.0510	"	"	0.0108	2.63	122%	(81-122)	7.41% (11.4)		"	
<i>Surrogate(s):</i> <i>a,a,d-TFT (PID)</i>	<i>Recovery:</i> 64.8%	<i>Limits:</i> 20.2-131%	"										05/09/06 02:39	

TestAmerica - Anchorage, AK

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Stephen Wilson

Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Gasoline Range Organics (C6-C10) and BTEX per AK101 - Laboratory Quality Control Results
 TestAmerica - Anchorage, AK

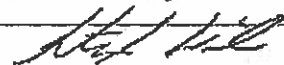
QC Batch: 6E04001 Water Preparation Method: 6050007

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Instrument Blank (6E04001-IBL1)													Extracted: 05/04/06 00:00	
Gasoline Range Organics	AK101 GRO/BTEX	17.2	---	50.0	ug/l	1x	--	--	--	--	--	--	05/04/06 08:25	
Benzene	"	0.0870	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	0.199	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	0.540	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	0.869	---	1.50	"	"	--	--	--	--	--	--	"	

QC Batch: 6E05001 Water Preparation Method: 6050010

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Instrument Blank (6E05001-IBL1)													Extracted: 05/05/06 00:00	
Gasoline Range Organics	AK101 GRO/BTEX	8.09	---	50.0	ug/l	1x	--	--	--	--	--	--	05/05/06 08:39	
Benzene	"	0.0200	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	0.0900	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	0.415	---	1.50	"	"	--	--	--	--	--	--	"	

TestAmerica - Anchorage, AK



Stephen Wilson, Laboratory Manager

Amended Report

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Amended Report

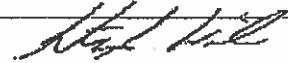
SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Diesel Range Organics (C10-C25) per AK102 with Silica Gel Cleanup - Laboratory Quality Control Results
 TestAmerica - Anchorage, AK

QC Batch: 6050017 Soil Preparation Method: EPA 3545

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6050017-BLK2) Extracted: 05/09/06 08:13														
Diesel Range Organics	AK 102	ND	—	25.0	mg/kg wet	1x	—	—	—	—	—	—	05/15/06 12:19	
Surrogate(s): 1-Chlorooctadecane		Recovery: 86.4%		Limits: 50-150%									05/15/06 12:19	
LCS (6050017-B2) Extracted: 05/09/06 08:13														
Diesel Range Organics	AK 102	113	—	25.0	mg/kg wet	1x	—	125	90.4%	(75-125)	—	—	05/15/06 11:39	
Surrogate(s): 1-Chlorooctadecane		Recovery: 86.4%		Limits: 50-150%									05/15/06 11:39	
LCS Dup (6050017-BSD2) Extracted: 05/09/06 08:13														
Diesel Range Organics	AK 102	115	—	25.0	mg/kg wet	1x	—	125	92.0%	(75-125)	1.75% (20)	—	05/15/06 10:57	
Surrogate(s): 1-Chlorooctadecane		Recovery: 87.9%		Limits: 50-150%									05/15/06 10:57	
Duplicate (6050017-DUP2) QC Source: APE0018-01 Extracted: 05/09/06 08:13														
Diesel Range Organics	AK 102	28.9	—	25.0	mg/kg dry	1x	26.8	—	—	—	7.54% (50)	—	05/15/06 10:57	
Surrogate(s): 1-Chlorooctadecane		Recovery: 85.7%		Limits: 50-150%									05/15/06 10:57	
Matrix Spike (6050017-MS2) QC Source: APE0018-01 Extracted: 05/09/06 08:13														
Diesel Range Organics	AK 102	169	—	25.0	mg/kg dry	1x	26.8	152	93.6%	(75-125)	—	—	05/15/06 12:19	
Surrogate(s): 1-Chlorooctadecane		Recovery: 88.2%		Limits: 50-150%									05/15/06 12:19	
Matrix Spike Dup (6050017-MSD2) QC Source: APE0018-01 Extracted: 05/09/06 08:13														
Diesel Range Organics	AK 102	182	—	25.0	mg/kg dry	1x	26.8	156	99.5%	(75-125)	7.41% (25)	—	05/15/06 12:58	
Surrogate(s): 1-Chlorooctadecane		Recovery: 87.9%		Limits: 50-150%									05/15/06 12:58	

TestAmerica - Anchorage, AK



Stephen Wilson, Laboratory Manager

Amended Report

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Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Diesel Range Organics (C10-C25) per AK102 with Silica Gel Cleanup - Laboratory Quality Control Results
 TestAmerica - Anchorage, AK

QC Batch: 6050023 **Soil Preparation Method:** EPA 3545

Analyte	Method	Result	MDL ⁴	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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Blank (6050023-BLK2) Extracted: 05/10/06 11:58

Diesel Range Organics	AK 102	ND	---	25.0	mg/kg wet	1x	--	--	--	--	--	--	05/15/06 14:20	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery:</i>											05/15/06 14:20	

LCS (6050023-BS2) Extracted: 05/10/06 11:58

Diesel Range Organics	AK 102	114	---	25.0	mg/kg wet	1x	--	125	91.2%	(75-125)	--	--	05/15/06 13:39	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery:</i>											05/15/06 13:39	

LCS Dup (6050023-BS2) Extracted: 05/10/06 11:58

Diesel Range Organics	AK 102	118	---	25.0	mg/kg wet	1x	--	125	94.4%	(75-125)	3.45%	(20)	05/15/06 13:58	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery:</i>											05/15/06 13:58	

Duplicate (6050023-DUP2) QC Source: APE0022-01 Extracted: 05/10/06 11:58

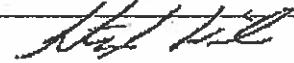
Diesel Range Organics	AK 102	ND	---	25.0	mg/kg dry	1x	ND	--	--	--	27.8%	(50)	05/15/06 15:01	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery:</i>											05/15/06 15:01	

Matrix Spike (6050023-MS2) QC Source: APE0022-01 Extracted: 05/10/06 11:58

Diesel Range Organics	AK 102	127	---	25.0	mg/kg dry	1x	5.74	128	94.7%	(75-125)	--	--	05/15/06 13:39	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery:</i>											05/15/06 13:39	

Matrix Spike Dup (6050023-MSD2) QC Source: APE0022-01 Extracted: 05/10/06 11:58

Diesel Range Organics	AK 102	134	---	25.0	mg/kg dry	1x	5.74	130	98.7%	(75-125)	5.36%	(25)	05/15/06 14:20	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery:</i>											05/15/06 14:20	



Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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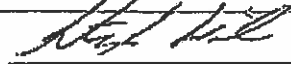
Diesel Range Organics (C10-C25) per AK102 with Silica Gel Cleanup - Laboratory Quality Control Results
 TestAmerica - Anchorage, AK

QC Batch: 6050026 Soil Preparation Method: EPA 3545

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
Blank (6050026-BLK2)													Extracted: 05/11/06 10:08			
Diesel Range Organics	AK 102	ND	--	25.0	mg/kg wet	1x	--	--	--	--	--	--	05/15/06 16:24			
Surrogate(s): 1-Chlorooctadecane		Recovery:	64.8%	Limits: 50-150%		"							05/15/06 16:24			
LCS (6050026-BS2)													Extracted: 05/11/06 10:08			
Diesel Range Organics	AK 102	115	--	25.0	mg/kg wet	1x	--	125	92.0%	(75-125)	--	--	05/15/06 15:42			
Surrogate(s): 1-Chlorooctadecane		Recovery:	87.9%	Limits: 50-150%		"							05/15/06 15:42			
LCS Dup (6050026-BSD2)													Extracted: 05/11/06 10:08			
Diesel Range Organics	AK 102	122	--	25.0	mg/kg wet	1x	--	125	97.6%	(75-125)	5.91%	(20)	05/15/06 15:01			
Surrogate(s): 1-Chlorooctadecane		Recovery:	89.4%	Limits: 50-150%		"							05/15/06 15:01			
Duplicate (6050026-DUP2)													QC Source: APE0003-S1		Extracted: 05/11/06 10:08	
Diesel Range Organics	AK 102	1170	--	65.4	mg/kg dry	1x	1710	--	--	--	37.5%	(50)	05/15/06 16:24			
Surrogate(s): 1-Chlorooctadecane		Recovery:	57.4%	Limits: 50-150%		"							05/15/06 16:24			
Matrix Spike (6050026-MS2)													QC Source: APE0003-S1		Extracted: 05/11/06 10:08	
Diesel Range Organics	AK 102	2420	--	65.4	mg/kg dry	1x	1710	321	221%	(75-125)	--	--	05/15/06 18:30	MS-4		
Surrogate(s): 1-Chlorooctadecane		Recovery:	101%	Limits: 50-150%		"							05/15/06 18:30			
Matrix Spike Dup (6050026-MSD2)													QC Source: APE0003-S1		Extracted: 05/11/06 10:08	
Diesel Range Organics	AK 102	2790	--	65.4	mg/kg dry	1x	1710	327	330%	(75-125)	14.2%	(25)	05/15/06 19:12	MS-4		
Surrogate(s): 1-Chlorooctadecane		Recovery:	96.0%	Limits: 50-150%		"							05/15/06 19:12			

TestAmerica - Anchorage, AK

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
 TestAmerica - Anchorage, AK

QC Batch: 6050012 **Soil Preparation Method:** *** DEFAULT PREP

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (6050012-DUP1)			QC Source: APE0003-02				Extracted: 05/05/06 15:15							
Dry Weight	BSOPSPLO0 3R07	53.9	--	1.00	%	1x	50.0	--	--	--	7.51% (25)		05/08/06 13:11	

QC Batch: 6050013 **Soil Preparation Method:** *** DEFAULT PREP

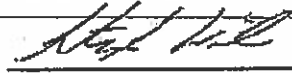
Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (6050013-DUP1)			QC Source: APE0003-33				Extracted: 05/05/06 15:17							
Dry Weight	BSOPSPLO0 3R07	38.0	--	1.00	%	1x	41.6	--	--	--	9.05% (25)		05/08/06 13:13	

QC Batch: 6050016 **Soil Preparation Method:** *** DEFAULT PREP

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (6050016-DUP1)			QC Source: APE0003-53				Extracted: 05/08/06 08:29							
Dry Weight	BSOPSPLO0 3R07	67.9	--	1.00	%	1x	74.6	--	--	--	9.40% (25)		05/09/06 09:04	

TestAmerica - Anchorage, AK

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Amended Report

Stephen Wilson, Laboratory Manager



Amended Report

SECOR - Redmond, WA 12034 134th Count NE, Suite 102 Redmond, WA 98052	Project Name: Petersburg-CP 0923 Project Number: 0923SEC002 Project Manager: Mark Sauze	Report Created: 05/25/06 18:26
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Notes and Definitions

Report Specific Notes:

- A-01 - Low surrogate recovery confirmed by re-run.
- A-01a - Unable to confirm low surrogate recovery due to insufficient methanol remaining in sample jar.
- J - Estimated value.
- MS-4 - Due to high levels of analyte in the sample, the Matrix Spike/Matrix Spike Duplicate calculation does not provide useful spike recovery information. See Laboratory Control Sample.
- P-03 - Greater than 40% difference between two dissimilar columns. After evaluation, the lower result has been reported.
- Q-01 - The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the recovery for this analyte does not represent an out-of-control condition for the batch.
- R-01 - Reporting limit raised due to dilution necessary for analysis.
- RP-2 - The RPD exceeded the laboratory control limit.
- S-08 - The surrogate recovery for this sample is outside of the established acceptance criterion due to bias from low percent solids results.

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.

TestAmerica - Anchorage, AK

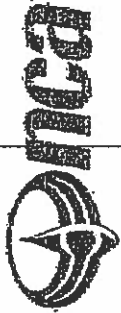
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Amended Report

Stephen Wilson, Laboratory Manager





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 20332 Empire Ave, Ste F1, Bend, OR 97701-5712
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

425-420-9200
 509-924-9200
 503-906-9200
 541-383-9310
 907-563-9200

FAX 420-9210
 FAX 924-9290
 FAX 906-9210
 FAX 382-7588
 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: **AFF0003**

INVOICE TO: _____

P.O. NUMBER: _____

TURNAROUND REQUEST
 In Business Days *
 Organic & Inorganic Analyses
 Petroleum Hydrocarbon Analyses

OTHER: _____ Specify: _____

* Turnaround depends on the amount of your lab charges.

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	NCA WO ID
1 TP-3 2 4'	4/25/06 1335	S	2		
2 TP-3 2 6'	4/25/06 1335	S	2		
3 TP-3 2 8'	4/25/06 1350	S	2		
4 TP-3 2 8.5'	4/25/06 1410	S	2		
5 TP-4 2 2'	4/25/06 1440	S	2		
6 TP-4 2 4'	4/25/06 1445	S	2		
7 TP-4 2 6'	4/25/06 1450	S	2		
8 TP-4 2 7'	4/25/06 1515	S	2		
9 TP-6 2 2'	4/25/06 1540	S	2		
10 TP-6 2 4'	4/25/06 1545	S	2		

RECEIVED BY: *[Signature]* DATE: 4/29/06
 PRINT NAME: *[Signature]* FIRM: SECURE INTERNATIONAL TIME: 1000
 RECEIVED BY: *[Signature]* DATE: _____
 PRINT NAME: *[Signature]* FIRM: _____ TIME: _____

ADDITIONAL REMARKS: Please run GLO (AK101) and BTEX on methanob measured samples and DRO (AK102) on other jars.

COC REV 09/04



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
 11922 E 1st Ave, Spokane, WA 99206-5302
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 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

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 509-924-9200 FAX 924-9290
 503-906-9200 FAX 906-9210
 541-383-9310 FAX 382-7588
 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: **APF0003**

INVOICE TO:

NCA CLIENT: **SECOR International, Inc.**

REPORT TO: **Mesa Sevega (mesasevega.com)**
 ADDRESS: **Kellen Hansen (khansema@sevega.com)**
 12034 134th Court NE, Suite 102, Redmond, WA 98052

PHONE: **425-772-1600** FAX: **425-372-1650**

PROJECT NAME: **Peleeburg - CP 0923**

PROJECT NUMBER: **MZ355002**

SAMPLED BY: **Kellen Hansen**

TURNAROUND REQUEST
 in Business Days*
 Organic & Inorganic Analyses
 Petroleum Hydrocarbon Analyses

7 5 4 3 2 1 <1
 4 3 2 1 <1

OTHER Specify:

MATRIX (W, S, O)

OF CONT.

LOCATION / COMMENTS

NCA W/O ID

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE		REQUESTED ANALYSES		MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA W/O ID
		AK101	AK102	AK102	AK102				
1 SMA-503'	4/26/06 1320	X	X	X	X	S	2		
2 SMA-602'	4/26/06 1325	X	X	X	X	S	2		
3 SMA-705'	4/26/06 1355	X	X	X	X	S	2		
4 SMA-801'	4/26/06 1430	X	X	X	X	S	2		
5 SMA-904'	4/26/06 1450	X	X	X	X	S	2		
6 SMA-1003'	4/26/06 1520	X	X	X	X	S	2		
7 SMA-1104'	4/26/06 1530	X	X	X	X	S	2		
8 SMA-1201'	4/26/06 1600	X	X	X	X	S	2		
9 SMA-1301'	4/26/06 1620	X	X	X	X	S	2		
10 SMA-1402'	4/26/06 1645	X	X	X	X	S	2		

RELEASED BY: **Kellen Hansen** DATE: **4/26/06** RECEIVED BY: **JEN COFF** DATE: **5/10/06**

PRINT NAME: **Kellen Hansen** FIRM: **SECOR International** TIME: **1000** PRINT NAME: **JEN COFF** FIRM: **TA-AK** TIME: **1150**

RELEASED BY: DATE: PRINT NAME: FIRM: RECEIVED BY: DATE: PRINT NAME: FIRM:

ADDITIONAL REMARKS: **Please run GRB (AK101) and BTEX on methanol preserved samples and GRB (AK102) on other jar.**



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 11922 E 1st Ave, Spokane, WA 99206-5302
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 907-563-9200

FAX 420-9210
 FAX 924-9290
 FAX 906-9210
 FAX 382-7588
 FAX 563-9210

CHAIN OF CUSTODY REPORT

NCA CLIENT: *SECOP International, Inc.*
 REPORT TO: *Mani Sange (manager @ secop.com)*
 ADDRESS: *Kathleen Hanson (K.Hanson@secop.com)*
12034 134th Court-NE, Suite 102, Redmond, WA 98052
 PHONE: *425-372-1600* FAX: *425-372-1650*
 PROJECT NAME: *Redonding - CP 0923*
 PROJECT NUMBER: *0923 SEC002*
 SAMPLED BY: *Kathleen Hanson*

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE		REQUESTED ANALYSES										MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
		AK101	AK102	AK102	AK102	AK102	AK102	AK102	AK102	AK102	AK102	AK102	AK102				
1 SHA-1803'	4/27/06 855	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
2 SHA-1602'	4/27/06 910	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
3 SHA-1703'	4/27/06 0940	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
4 SHA-1804'	4/27/06 1005	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5 SHA-1902.5'	4/27/06 1030	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
6 SHA-2002.5'	4/27/06 1100	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
7 SHA-2103.5'	4/27/06 1145	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
8 SHA-2203'	4/27/06 1215	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
9 SHA-2304'	4/27/06 1255	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
10 SHA-2402'	4/27/06 1315	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

INVOICE TO: _____
 P.O. NUMBER: _____
 RECEIVED BY: *Mani Sange* DATE: *4/28/06*
 PRINT NAME: *SECOP International* TIME: *1000*
 RECEIVED BY: _____ DATE: _____
 PRINT NAME: _____ TIME: _____
 FIRM: *SECOP International* FIRM: *TA-AIC*
 FIRM: *SECOP Hanson* FIRM: *TA-AIC*
 DATE: *3/2/06* TIME: *1150*
 DATE: _____ TIME: _____
 FIRM: _____ FIRM: _____
 DATE: _____ TIME: _____
 FIRM: _____ FIRM: _____

ADDITIONAL REMARKS: *Please review BRO (AK101) and BTEX on methanol preserved samples (and BRO (AK102) on other jars.*

COC REV 09/04

TEMP: *10.3, 10.5, 10.6* PAGE OF *6*

Work Order #: *APF-0003*

TURNAROUND REQUEST
 in Business Days *
 Organic & Inorganic Analyses
 Petroleum Hydrocarbon Analyses
 OTHER Specify: _____
 * Turnaround Request for other methods may have a different charge.

ATTACHMENT B
HEALTH AND SAFETY DAILY TAILGATE MEETING SHEETS

Additional Site Investigation
ConocoPhillips Site No. 0923
703 South Nordic Drive
Petersburg, Alaska
SECOR PN No.: 01CP.00923.02
July 7, 2006

HEALTH AND SAFETY PLAN ACKNOWLEDGMENT AND AGREEMENT FORM

(All SECOR and subcontractor personnel must sign.)

"Zero Tolerance for Incident of ANY Kind. Work Together to Ensure A SAFE and High Quality Project"

This Health and Safety Plan has been developed for the purpose of informing SECOR employees of the hazards they are likely to encounter on the project site, and the precautions they should take to avoid those hazards. Sub-contractors and other contractors at the site must develop their own Health and Safety Plan to address the hazards faced by their own employees. SECOR has provided a copy of this Plan to contractors in the interest of full disclosure of hazards of which we may be aware, and to satisfy SECOR's responsibilities under the Occupational Safety and Health Administration (OSHA) Hazard Communication standard. Similarly, contractors are required to inform SECOR of any hazards of which they are aware or that the contractor's work on site might possibly pose to SECOR employees, including (but not limited to) the Material Safety Data Sheets for chemicals the contractor may bring on-site. This plan should NOT be understood by contractors to provide information on all of the hazards to which a contractor's employees may be exposed as a result of their work.

I further certify that I have received training and medical surveillance according to the Health and Safety Plan and the OSHA Standard on Hazardous Waste Operations and Emergency Response (29 CFR 1910.120):

All parties conducting site activities are required to coordinate their activities and practices with the project Site Health and Safety Officer. Your signature below confirms that you have read and understand the hazards discussed in this Plan, and understand that sub-contractors and contractors must develop their own Health and Safety Plan for their employees. You also understand you could be prohibited by the Site Health and Safety Officer or other SECOR personnel from working on this project for not complying with any aspect of this Health and Safety Plan.

Name	Title	Signature	Company	Date
Kathin Hanson	Geologist	<i>Kathin Hanson</i>	SECOR	4-24-06
Sig Burrell	Operator	<i>Sig Burrell</i>	RAAR	4-25-06