APPENDIX F – Geochemical & Geotechnical Exploration Report

FEASIBILITY-LEVEL GEOTECHNICAL AND GEOCHEMICAL EXPLORATION REPORT, DEVIL'S GATE RESERVOIR SEDIMENT REMOVAL AND MANAGEMENT PROJECT, PASADENA, CALIFORNIA

Prepared for:

Chambers Group

5 Hutton Drive, Suite 750
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Project No. 603211-001

July 5, 2013

Leighton Consulting, Inc.
A LEIGHTON GROUP COMPANY

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Chambers Group, Inc.
5 Hutton Centre Drive, Suite 750
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Attention: Ms. Paula Fell

Subject: Feasibility-Level Geotechnical and Geochemical Exploration Report
Devil's Gate Reservoir Sediment Removal and Management Project
Pasadena, California

Leighton Consulting, Inc. (Leighton) is pleased to submit this feasibility-level report discussing our geotechnical and environmental assessment of soil conditions encountered at the Devil's Gate Reservoir located in Pasadena, California. The purpose of the assessment is to evaluate geologic and geotechnical conditions in, and adjacent to the Devil's Gate Reservoir Sediment Removal and Management Project area. Our assessment also included analyzing soil samples to evaluate potential contaminants of concern associated with post-fire sediments contained in the Devil's Gate Reservoir that will be removed to restore flood control capacity and reconfigure the reservoir.

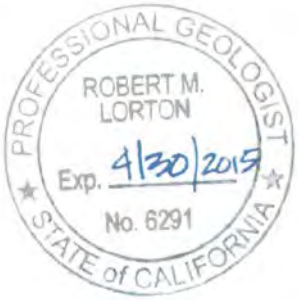
Our scope of work included a limited subsurface exploration and both geotechnical and environmental laboratory testing. The goal of our exploration was to obtain sufficient data and information to assess subsoil conditions and environmental factors that may affect the site and surrounding properties during the removal of up to 4,000,000 cubic yards of soil from the Devil's Gate Reservoir. This assessment will be used to support the preparation of an Environmental Impact Report (EIR) in accordance with the California Environmental Quality Act (CEQA).

We appreciate the opportunity to be of service to you on this project. If you have any questions or if we can be of further assistance, please call us at your convenience.

Respectfully submitted,

LEIGHTON CONSULTING, INC.

Wallace Sconiers, Jr.
Senior Staff Geologist



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1.0 INTRODUCTION

The Devil's Gate Reservoir Sediment Removal and Management Project is located in the City of Pasadena, in Los Angeles County approximately 14 miles north of downtown Los Angeles (see Figure 1, Site Location Map). The City of La Canada Flintridge and the community of Altadena are located near the project site to the west and east, respectively.

1.1 Site Information

Devil's Gate Dam and Reservoir was built in 1920 to provide flood protection to the Cities of Pasadena, South Pasadena, and Los Angeles and to facilitate water conservation. The City of Pasadena is the landowner of the project site, and the Los Angeles County Flood Control District (LACFCD) holds an inundation easement granting LACFCD the right to construct, reconstruct, inspect, maintain, repair and operate the dam, spillway, reservoir and other support structures for the purposes of flood protection and water conservation. The project is being undertaken in order to restore reservoir capacity to the facility to meet its intended level of flood protection for downstream communities.

1.2 Scope of Work

The purpose of this assessment is to evaluate geologic and geotechnical conditions in, and adjacent to the Devil's Gate Reservoir Sediment Removal and Management Project area. Our assessment also included analyzing soil samples to evaluate potential contaminants of concern associated with post-fire sediments contained in the Devil's Gate Reservoir that will be removed to restore flood control capacity and reconfigure the reservoir.

The goal of our exploration was to obtain sufficient data and information to assess subsoil conditions and environmental factors that may affect the site and surrounding properties during the removal of up to 4,000,000 cubic yards of soil from the Devil's Gate Reservoir. This assessment will be used to support the preparation of an Environmental Impact Report (EIR) in accordance with the California Environmental Quality Act (CEQA).

Our scope of work included a limited subsurface investigation, geotechnical and environmental laboratory testing, and a review of published literature and maps documenting the geologic features in, and adjacent to the project area. Our scope of work included the following tasks:

- Meeting with Chambers Group, Inc. and the LACFCD to develop a Work Plan and to clarify and allocate the responsibilities of the involved parties.
- Perform a subsurface investigation consisting of four hollow-stem auger borings to verify the nature and stratigraphy of the subsurface soils, and to determine the extent of fire related sediment deposited in the wash.
- Submit representative soil samples obtained from the site to a California Department of Health Services certified environmental laboratory to analyze potential contaminants of concern in the sediments.
- Conduct geotechnical laboratory testing of representative soil samples obtained from the site to assess pertinent physical/engineering properties.
- Prepare this report to present our findings, conclusions and recommendations.

2.0 FIELD EXPLORATION AND LABORATORY TESTING

2.1 Field Exploration

Our field exploration was performed on September 19th through 20th, 2011 and consisted of four hollow-stem auger borings. Nine boring locations were proposed for sampling after the initial site visit on July 3, 2011. Boring locations B-1, B-3, B-4, and B-9 were advanced to a maximum depth of 31½ feet below ground surface (bgs). Proposed boring locations B-2, B-5, B-6, B-7, and B-8 were not accessible to the drill rig and were not completed. The drilling activities were supervised, and the subsurface soil conditions were logged, by a Leighton geologist. The approximate locations of the boreholes are shown on Figure 2, Boring Location Map.

Two brass sleeves were collected with a California-Modified split-spoon sampler from each sampling interval for chemical analyses, and grab samples were collected from cuttings produced by the hollow-stem auger for geotechnical laboratory observation and testing. The depths that the samples were collected are illustrated on the Geotechnical Boring Logs that are included in Appendix B. The following sections summarize sampling procedures for analysis of both geotechnical and environmental sample sets.

2.2 Geotechnical Laboratory Testing

Representative samples of the onsite soils were classified using the following tests:

- In-situ moisture content (ASTM D2216);
- Particle size analyses (ASTM D422 and ASTM D6913); and
- Atterberg Limits (ASTM D4318).

The results of the in-situ moisture tests are shown on the Geotechnical Boring Logs in Appendix B. Results of other laboratory tests are presented in Appendix C, Geotechnical Testing Results.

2.3 Environmental Laboratory Testing

Chemical analyses were performed on selected soil samples obtained during our field exploration. The laboratory testing scheme was designed to evaluate the presence and concentrations of regulated contaminants of concern in the soil samples collected from the project area. Tests performed during this exploration include:

- Title 22 Metals by EPA Method 6010B and 7471A
- Organochlorine pesticides by EPA Method 8081
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270C
- Total petroleum hydrocarbons (TPH) for Fuel Fingerprint by LUFT/FFP method
- Polychlorinated biphenyls (PCBs) by EPA Method 8082
- Volatile organic compounds (VOCs) by EPA Method 8260
- Perchlorate by EPA Method 314.0

Each environmental sample was collected using a limited access hollow-stem auger drill rig by advancing a California-Modified split spoon sampler 18-inches into the soil ahead of the auger. Once the sample was collected, the sampler was retracted from the boring, opened, and the sample sleeves were removed by Leighton personnel. Two 6-inch long brass sleeves containing the soil from the desired interval were removed from the sampler, sealed with Teflon and covered with plastic end-caps. The sample was labeled with the sample ID, the sampler's initials, date and time collected, and placed into a cooler with ice. The samples were picked up by courier and transported under Chain-of-Custody protocol to BC Laboratories, a State of California-Certified laboratory, for chemical analysis. The laboratory reports and the test results are summarized in Tables D1 through D3 presented in Appendix D.

Soil remaining from each sampling interval was placed into an empty brass sleeve for volatilized organic compound analysis using a photoionization detector (PID). The sleeve was filled approximately half-way with soil and sealed with end caps. The sample was agitated, a hole was punctured into one of the end caps, and the tip of the PID was inserted into "headspace" of the sample tube. The concentration of total VOCs were measured in parts per million (ppm); the

readings were recorded on the Geotechnical Boring Logs at the interval that the sample was collected.

3.0 GEOLOGIC SETTING

3.1 Site Geology

The project site is located in the Devil's Gate Reservoir in the City of Pasadena. The site lies within an alluvial wash bounded to the north by the San Gabriel Mountains, to the south by the San Rafael Hills, and to the west and east sides by the La Canada Valley (CDMG, 1986). The site is topographically lower than the surrounding alluvial valley on the west and east sides, and is underlain by Quaternary age alluvium derived from the San Gabriel Mountains. The alluvium consists of silts, sands and gravel deposited by the Arroyo Seco (CDMG, 1998) as shown in Figure 3, Regional Geology Map.

3.2 Local Geologic Units and Subsurface Conditions

Presented below are brief descriptions of the geologic units encountered in the exploratory borings completed during the subsurface investigation at the site. All materials encountered in the exploratory borings are consistent with local geologic conditions depicted in both the Geology of the North Half of the Pasadena Quadrangle map, by Drew P. Smith, 1986, and the Geologic Map of the Pasadena Quadrangle, by Thomas W. Dibblee, Jr., 1989. Figure 3 illustrates the distribution of geologic units at the site and surrounding areas, and more detailed descriptions of the geologic units encountered are presented on the boring logs in Appendix B.

3.2.1 Quaternary Alluvial Stream Channel Deposits: (Qg)

Quaternary-age alluvial stream channel deposits from the Arroyo Seco form the majority of the soils encountered from surface to the maximum depth explored of approximately 30 feet. Generally, the deposits consist of light to medium brown and gray well-graded sand with varying amounts of silt and gravel and silty sands. Downstream, olive gray sandy silt and silty sand with varied gravel content was encountered in shallow samples, and gray well-graded sand was encountered at depth.

3.2.2 Burn Sediments

Man-made materials including wire and plastic were observed in some samples and displayed evidence of having been burned. Burned material

was observed in samples collected from B-1, B-3, and B-9(borings). The thickness of sediments containing burned materials were approximately 3 feet thick in borings B-1 and B-3 and approximately 13½ feet thick in boring B-9. No burn sediments were observed in B-4.

The sediments containing the burned materials consist of well-graded sand with varied amounts of silt and gravel, silty sand, sandy silt with gravel, and silt and ranged in color from dark grayish brown or dark olive gray to black. Traces of organic material were also observed in some samples. The contacts between sediments containing burned material and underlying and overlying Qg were sharp and well defined.

3.3 Groundwater

The project site lies within the Raymond Basin, located between the San Fernando Valley Basin to the west and the San Gabriel Valley Basin to the east. The basin is bounded to the north and south by the San Gabriel Mountains and the Raymond Hill Fault, respectively (CDWR, 2004).

Groundwater was encountered at approximately 25¼ feet bgs in boring B-3, approximately 23 feet bgs in boring B-4, and approximately 22 feet bgs in boring B-9 following during drilling activities. Groundwater was not encountered in boring B-1.

Historical groundwater levels reported in the vicinity of the site have been reported to be approximately 20 feet bgs and are consistent with field measurements made during these drilling activities (CDMG, 1998).

4.0 GEOLOGIC-SEISMIC HAZARDS

4.1 Faulting

The site is located near the southern margin of the generally west-trending Transverse Ranges Geomorphic Province. Based on our review of the available literature, the site is not located within an Alquist-Priolo Earthquake Fault (AP) Zone. The closest active fault mapped within an AP Zone is the Raymond Hills fault which is located approximately 4.7 miles (7.5 kilometers) south of the Devil's Gate Dam.

The Tujunga Fault (AKA, Bridge Fault) transects the inlet to the reservoir at its northern boundary and is a portion of the Sierra Madre Fault Zone (Dibblee, 1989 and USGS, 1987). The Sierra Madre Fault Zone is an active system capable of producing an estimated 7.0 magnitude earthquake (SCEDC, 2011).

Other nearby faults include the south branch of the San Gabriel Fault located approximately 1.4 miles (2.1 kilometers) northeast of the inlet, and the Eagle Rock Fault located approximately 3.0 miles (4.8 kilometers) south of the Devil's Gate Dam. The regional fault map is shown in Figure 4.

Due to the nature of the project, fault rupture hazard is not considered to be a significant impact on the project.

4.2 Earthquake Ground Shaking

Seismic hazards that could affect the site include strong ground shaking resulting from an earthquake occurring along one of several major active faults in the region as mentioned above.

The site is likely to experience strong ground shaking. The magnitude of ground shaking is generally characterized by using the peak horizontal ground acceleration (pga_h). A probabilistic seismic hazard analysis was performed for the site using the United States Geological Survey (USGS) earthquake hazard program. (http://geohazards.usgs.gov/deaggint/2008/). The probabilistic seismic hazard analysis has taken into consideration the effects of the regional earthquake faults in southern California that includes the Tujunga Fault in the area. Based on the result of the deaggregation analysis, the calculated pga_h for the Maximum Considered Earthquake (MCE) was approximately 0.73g. The

design pga_h for the site can be taken as 2/3 of 0.73g (i.e., 0.48g). The magnitude and distance of the corresponding modal earthquake is 6.6 and 3.1 miles, respectively.

Due to the nature of the project, earthquake ground shaking is not considered to be a signification impact on the project.

4.3 Liquefaction

Liquefaction is the loss of soil strength or stiffness of cohesionless soil caused by the buildup of pore-water pressure during severe ground shaking. Liquefaction is associated primarily with loose (low density), saturated, fine- to medium-grained, cohesionless soils.

As shown in Figure 5, Seismic Hazard Map, the site is located in an area mapped as being susceptible to liquefaction on the Seismic Hazard Zones Map for the Pasadena Quadrangle (CDMG, 1999). Historic and measured groundwater levels indicate the site's susceptibility to liquefaction.

It is expected that the occurrence of liquefaction will be localized within recent sediment within the reservoir. Though the potential exists for liquefaction at the site, liquefaction potential will be reduced to less than significant after the sediment is removed.

4.4 Seismically-Induced Settlement

Strong ground motion during earthquakes tends to reduce the pore space between soil particles, thus causing ground settlement. This seismically-induced settlement consists of dynamic densification of non-liquefiable soils and settlement of liquefiable soil deposits. These settlements occur primarily within loose to moderately dense poorly-graded granular soils.

The occurrence of seismically-induced settlement is expected to be primarily in the recent sediment. The impact of seismically-induced settlement will be reduced to less than significant after the sediment is removed.

4.5 Lateral Spreading

Liquefaction may cause lateral spreading. For lateral spreading to occur, the liquefiable zone must be continuous, unconstrained laterally, and free to move along a gently sloping surface toward an unconfined area.

Based on the existing site conditions, liquefiable soil is present in the immediate vicinity of the reservoir. However, its impact on the proposed project is insignificant.

4.6 Flow Failure

Flow failure occurs when the liquefied soil and overlying soil layers move rapidly down a more steeply slope. Flow failure usually involves ground surface steeper than three degrees.

The occurrence of flow failure occurring at the site is also expected to be localized along the perimeter of the reservoir. However, its impact on the proposed project is insignificant.

4.7 Ground Oscillation

Ground oscillation is a phenomenon that forms ground cracks and ridges due to random vertical and lateral movements of broken blocks on non-liquefiable soils overlying liquefiable soil in response to earthquake. Ground oscillation usually occurs on relatively level ground surfaces where lateral spreading does not occur.

The occurrence of ground oscillation occurring at the site is expected to be localized. However, its impact on the proposed project is insignificant.

4.8 Seismically-Induced Landslides

The project site is not mapped as an area susceptible to seismically-induced landslides on the Seismic Hazard Zones Map for the Pasadena Quadrangle (CDMG, 1999).

4.9 Flooding

Earthquake-induced flooding can be caused by failure of dams or other water-retaining structures as a result of an earthquake. The project site itself can be identified as a potential source of downstream flooding as the result of a seismic event. The improvements completed in 1998 resulted in Devil's Gate Dam meeting current maximum credible earthquake design standards and probable maximum flood design standards.

Sediment accumulation can affect the ability of the outlet works (valves, gates and spillway) to function correctly or reduce available reservoir capacity below that necessary for flood control storage or to safely contain future sediment inflow including a Design Debris Event (DDE). The Design Debris Event is the predicted amount of sediment that will flow into the reservoir after the undeveloped portion of the tributary watershed is completely burned and a 50-year design storm event occurs after four years of watershed recovery. The 50-year design storm and the DDE are defined by the Los Angeles County Department of Public Works Hydrology and Sedimentation Manuals respectively. The DDE for the Devil's Gate Reservoir is approximately 2,000,000 cubic yards. The Interim Measures Project (IMP) is currently underway to reduce downstream flood risk.

The interim measures include dam modifications to keep debris from plugging the outlet works and allow for the removal of up to 25,000 cubic yards of sediment per year from the dam face until the project associated with the EIR is started. In 2011, 13,000 cubic yards were removed from the dam face and placed at Johnson Field, a decommissioned spreading basin located within the Devil's Gate Reservoir approximately 0.5 miles north of the Dam (LADPW, 2012).

4.10 Seiches and Tsunamis

Seiches are large waves generated in enclosed bodies of water in response to ground shaking. Tsunamis are waves generated in large bodies of water by fault displacement or major ground movement. Due to the inland location of the project site, the site is not located in an inundation or tsunami hazard area. Therefore, tsunami risks are considered to be negligible. The site itself, however, can be identified as a potential source for seiches as the result of a seismic event, however, this is not anticipated to affect the current project.

4.11 Expansive Soils

In general, the expansion potential is low for coarse-grained soils, such as sands, and high for fine-grained soils such as clay. Sediments observed in samples collected from the Devil's Gate Reservoir consist of granular materials and are not considered to have a significant potential for expansion.

4.12 Soil Erosion

Erosion includes transportation of soil materials by wind or water. Both coarse- and fine-grained soils are susceptible to erosion.

The potential for soil erosion is considerable given the nature of the proposed sediment removal at the site. Activities including the removal of vegetation, sediment, and the associated hauling and transport around and off the site can erode soil within the reservoir. Best Management Practices to control erosion should be used during project construction to control and minimize erosion.

4.13 Corrosive Soil

The corrosion potential of subsurface materials is generally characterized by pH, electrical resistivity, soluble sulfate content and chloride content. In general, the corrosion potential for concrete in direct contact with soil will be high for soils that are rich in sulfate. If the soils are rich in chloride, the corrosion potential will be high for metals. The lower the electrical resistivity of the soils, the higher the corrosion potential to buried ferrous metals.

Corrosive soil may be present at the site. Due to the nature of the project, its impact should be less than significant.

5.0 ENVIRONMENTAL HAZARD ANALYSIS ASSOCIATED WITH SITE SOILS

5.1 Summary of Environmental Laboratory Results

Low concentrations of organochlorine pesticides, petroleum hydrocarbons (diesel and hydraulic/motor oil range and aromatics), and one semi-volatile organic compound (*Bis(2-ethylhexyl)phthalate*) were detected in samples that were collected from the Devil's Gate Reservoir. Heavy metals were detected in all samples that were collected. The concentrations of analytes detected in laboratory analyses performed on samples collected from the Devil's Gate Reservoir project area are summarized in Tables D1 through D3, and copies of the laboratory reports are presented in Appendix D.

The concentration, or concentration ranges, of detected analytes are:

Organochlorine Pesticides

- 4,4'-DDE: Detected at a concentration of 0.0015 milligrams per kilogram (mg/kg) in sample B-9-5.
- 4,4'-DDT: Detected at a concentration of 0.00059 mg/kg in sample B-9-5.

TPH Fuel Fingerprint by LUFT/FFP Method

- TPH-Diesel: Detected at concentrations of 12 mg/kg and 20 mg/kg in samples B-1-25 and B-4-20, respectively.
- TPH-Hydraulic Oil/Motor Oil: Detected in seven samples at concentrations ranging from 12 mg/kg in sample B-4-15 to 39 mg/kg in sample B-4-20.

VOCs by EPA Method 8260

- Benzene: Detected in five samples at concentrations ranging from 0.0020 mg/kg in sample B-9-5 to 0.0085 mg/kg in sample B-3-5.
- Toluene: Detected in three samples at concentrations ranging from 0.0015 mg/kg in sample B-1-5 to 0.0036 mg/kg in sample B-3-5.
- 1,2,4-Trimethylbenzene: Detected at a concentration of 0.0037 mg/kg in sample B-9-5.

SVOCs by EPA Method 8270C

- Bis(2)-ethylhexyl)phthalate: Detected in five samples at concentrations ranging from 0.046 mg/kg in sample B-3-25 to 0.14 mg/kg in sample B-1-25.

Title 22 Metals by EPA Method 6010B and 7471A

- Antimony: Detected in 22 samples at concentrations ranging from 0.66 mg/kg in sample B-9-30 to 3.0 mg/kg in sample B-9-25.
- Arsenic: Detected in all samples at concentrations ranging from 1.1mg/kg in sample B-9-30 to 4.3 mg/kg in sample B-9-5.
- Barium: Detected in all samples at concentrations ranging from 24 mg/kg in sample B-3-15 to 180 mg/kg in sample B-4-25.
- Beryllium: Detected in all samples at concentrations ranging from 0.17 mg/kg in sample B-4-25 to 0.86 mg/kg in sample B-9-15.
- Cadmium: Detected in 22 samples at concentrations ranging from 0.053 mg/kg in sample B-3-25 to 0.21 mg/kg in samples B-9-5 and B-9-25.
- Chromium: Detected in all samples at concentrations ranging from 3.4 mg/kg in sample B-3-15 to 23 mg/kg in sample B-9-5.
- Cobalt: Detected in all samples at concentrations ranging from 2.1 mg/kg in sample B-3-15 to 11 mg/kg in sample B-9-5.
- Copper: Detected in all samples at concentrations ranging from 8 mg/kg in sample B-3-5 to 51 mg/kg in sample B-4-25.
- Lead: Detected in all samples at concentrations ranging from 1.8 mg/kg in sample B-4-25 to 21 mg/kg in sample B-9-5.
- Molybdenum: Detected in 15 samples at concentrations ranging from 0.26 mg/kg in sample B-3-5-D to 1.1 mg/kg in sample B-4-20.
- Nickel: Detected in all samples at concentrations ranging from 2.0 mg/kg in sample B-3-15 to 15 mg/kg in sample B-9-5.
- Silver: Detected in five samples at concentrations ranging from 0.068 mg/kg in sample B-3-5-D to 0.15 mg/kg in sample B-9-15.
- Thallium: Detected in ten samples at concentrations ranging from 0.79 mg/kg in sample B-9-20 to 2.1 mg/kg in sample B-9-5.
- Vanadium: Detected in all samples at concentrations ranging from 13 mg/kg in sample B-3-15 to 52 mg/kg in sample B-9-25.

- Zinc: Detected in all samples at concentrations ranging from 25 mg/kg in sample B-3-15 to 99 mg/kg in sample B-9-5.
- Mercury: Detected in all samples at concentrations ranging from 0.047 mg/kg in sample B-4-25 to 0.48 mg/kg in sample B-1-15.

Six soil samples, B-1-5, B-1-20, B-3-5, B-3-15, B-9-5, and B-9-25, were analyzed for perchlorate by EPA Method 314.0. Perchlorate was not detected above the laboratory reporting limit in any of these samples.

Three samples, B-1-5, B-4-20, and B-9-5, were analyzed for PCBs by EPA Method 8082. PCBs were not detected above the laboratory reporting limit in any of these samples.

5.2 Hazard Analysis

Leighton reviewed the results of laboratory analyses performed on soil samples collected from the borings at Devil's Gate Reservoir and compared the results to applilcable health screening levels issued by state and federal agencies that include: Bureau of Land Management (BLM) Human Risk Management Criteria (HRMCs); California Environmental Protection Agency (CalEPA) California Human Health Screening Levels (CHHSLs); and United States Environmental Protection Agency (EPA) Regional Screening Levels (RSLs). The concentrations of analytes were also compared to state and federal hazardous waste screening thresholds that include: Title 22 Chapter 11 of California Code of Regulations (CCR) and Part 1910 of the Code of Federal Regulations (CFR). The concentrations of analytes detected during this investigation and their corresponding regulatory thresholds are presented in Tables D1 through D3.

The health-based screening criteria that the concentrations of detected analytes were compared to included:

- BLM HRMC for Campers
- BLM HRMC for Workers
- BLM HRMC for Residents
- US EPA Region 9 RSLs for Residential Sites
- US EPA Region 9 RSLs for Industrial Sites

- CHHSLs for Residential Sites
- CHHSLs for Industrial Sites

The hazardous waste characterization based screening levels utilized during this assessment included:

- CCR Total Threshold Limit Concentrations (TTLC)
- CCR Soluble Threshold Limit Concentrations (STLC)
- CFR Toxicity Resource Conservation and Recovery Act (RCRA) Characteristic Leaching Procedure (TCLP)

The concentrations of organochlorine pesticides, petroleum hydrocarbons (diesel and hydraulic/motor oil range and aromatics), and SVOCs detected in samples that were collected from the Devil's Gate Reservoir are below regulatory thresholds.

The concentrations of heavy metals detected in soil samples collected from the site were compared the health-based and hazardous waste screening levels. Arsenic was the only heavy metal that was detected at concentrations exceeding any of the screening levels. Arsenic concentrations detected in the soil samples are consistent with California background concentrations but exceeded conservative CHHSLs and RSLs for industrial and residential sites, and the BLM HRMC for residents. The concentrations of arsenic detected in the soil samples were below the BLM HRMCs for workers of 12 mg/kg and campers of 20 mg/kg, respectively.

Arsenic concentrations detected in soil samples collected from the project area are below the California Department of Toxic Substances Control (DTSC) accepted Southern California background range of 6 mg/kg to 12.0 mg/kg (DTSC, 2005). The arsenic concentrations detected in the soil samples collected from the site are also consistent with mean background arsenic concentration of 3.5 mg/kg in California soils (Kearney, Foundation, 1996).

Since the arsenic concentrations detected are expected to be naturally occurring, consistent with background concentrations in the California, and the site will not be occupied, the appropriate screening level is considered to be the BLM HRMC for workers of 12 mg/kg. Adequate dust control should be implemented during

grading operations or other work requiring disturbance of soil to minimize dust emissions.

Based on the result of the laboratory analyses, no hazardous materials issues have been detected in soil or burn residue at the locations assessed. The sediment is not considered to be hazardous.

6.0 FINDINGS AND CONCLUSIONS

Presented below is a summary of findings and conclusions based upon the results of our evaluation of the project site:

- The site is underlain by Quaternary-aged alluvial stream channel deposits consisting of gravel, sand, and silt.
- The sediment consists of predominately granular materials with low expansion potential. The burn sediment consists of material ranging from sandy silt to silty sand with various amount of gravel.
- Groundwater was encountered at depths ranging between 22 to 25¼ feet below ground surface at the time of drilling. The historic high groundwater level at the site was reported to be approximately 20 feet below ground surface.
- The site is not included in a State of California-designated Alquist-Priolo Earthquake Fault Zone. The Sierra Madre Fault Zone, capable of producing an estimated 7.0 magnitude earthquake, includes the Tujunga Fault, which crosses the inlet of the reservoir (Dibblee, 1989 and SCEDC, 2011). Due to the nature of the project, fault rupture and earthquake ground shaking are not considered to be a significant impact on the project.
- The site is located in an area mapped as being susceptible to liquefaction on the Seismic Hazard Zones Map for the Pasadena Quadrangle (CDMG, 1999). The sediment is prone to liquefaction. Since it will be removed under this project, liquefaction hazard will be reduced to less than significant.
- The occurrence of lateral spreading and flow failures as a result of soil liquefaction are expected to be localized along the perimeter of the reservoir. The impact of lateral spreading and flow failure is considered to be less than significant on the proposed project.
- Though the potential exists for ground oscillation, it is not considered to be a significant impact on the project.
- Seismically-induced settlement, landslides, seiches, and tsunamis are not considered to be hazards for the project.

- The project site itself can be identified as a potential source of downstream flooding as a result of sediment accumulation which could affect the functionality of the outlet works.

- Corrosive soil may be present at the site. Due to the nature of the project, its impact should be less than significant.

- The potential for soil erosion is high given the nature of the proposed sediment removal at the site. Erosion control measures would reduce erosion impacts to less than significant. These measures include:

  - Work schedule; as avoid work during the rainy season to the extent possible (October through April);

  - Temporary soil stabilization; preservation of existing vegetation, mulching, hydroseeding, soil binders (if permitted), erosion control blankets, earth dikes, drainage swales, and/or slope drains; and

  - Temporary sediment control during construction through silt fencing, desilting basins, sediment traps, check dams, fiber rolls, barriers or berms, street sweeping, and/or storm drain protection.

- The onsite soils are anticipated to be readily excavated using earthmoving equipment in good working condition.

- Arsenic concentrations consistent with the average concentration range in California soils of 3.5 mg/kg and can be mitigated with adequate dust suppression including the use of water trucks to moisture condition soil during grading and excavation operations.

- All other concentrations of contaminants of concern are below risk management criteria and regulatory thresholds, and are not considered a hazard.

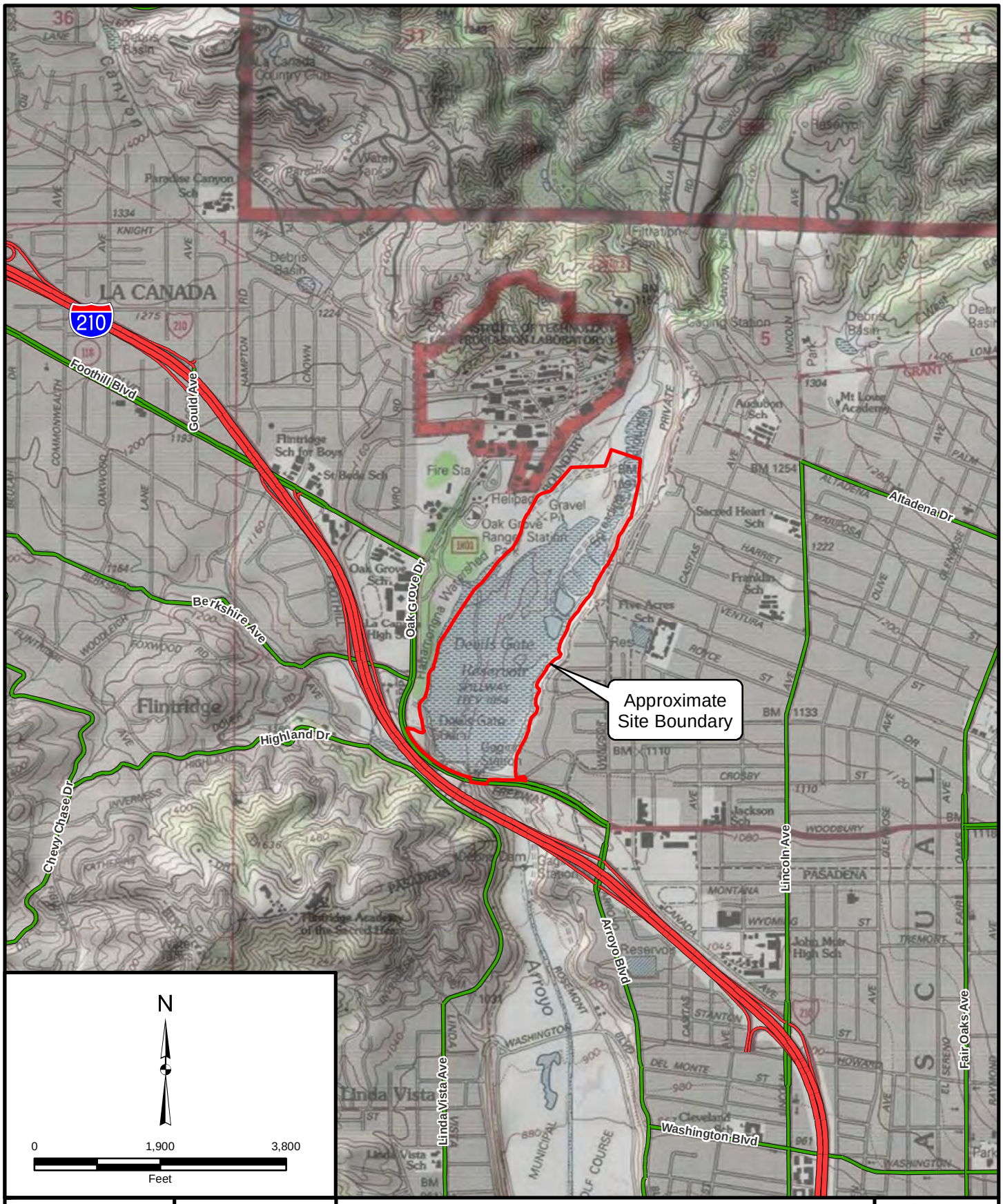
Based upon the results of our evaluation of the site soils, the proposed project is considered feasible from a geotechnical and geochemical standpoint.

7.0 LIMITATIONS

Leighton's work was performed using the degree of care and skill ordinarily exercised, under similar circumstances, by reputable geotechnical consultants practicing in this or similar localities. No other warranty, express or implied, is made as to the conclusions and professional opinions included in this report.

This report may not be used by others or for other projects without the express written consent of Chambers Group and our firm.

Any persons using this report for bidding or construction purposes should perform such independent investigations as they deem necessary to satisfy themselves as to the surface and/or subsurface conditions to be encountered and the procedures to be used in the performance of work on the subject site.



Project: 603211-001	Eng/Geol: VPI/RML
Scale: 1 " = 2,000 '	Date: October 2011

Base Map: ESRI Resource Center, 2010
Thematic Info: Leighton
Author: (cgiovando)

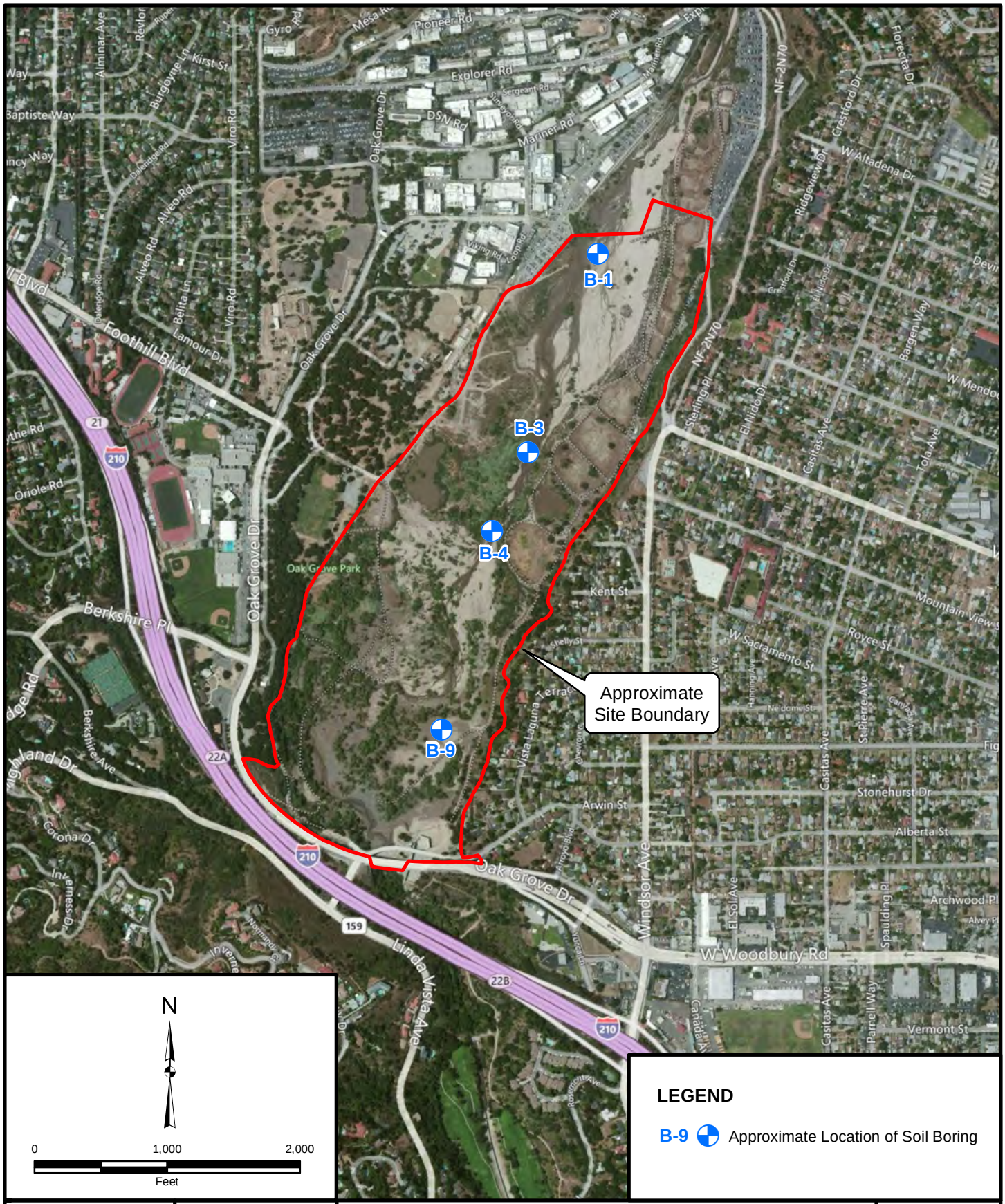
SITE LOCATION MAP

Devil's Gate Reservoir
Pasadena, California

Figure 1

Leighton

Map Saved as V:\drafting\603211\001\Maps\P603211-001_F01_SiteLocationMap_GIS_2013-01-23.mxd on 1/23/2013 3:37:05 PM



Project: 603211-001	Eng/Geol: VPI/RML
Scale: 1 " = 1,000 '	Date: October 2011

Base Map: ESRI Resource Center, 2010
Thematic Info: Leighton
Author: (cgiovando)

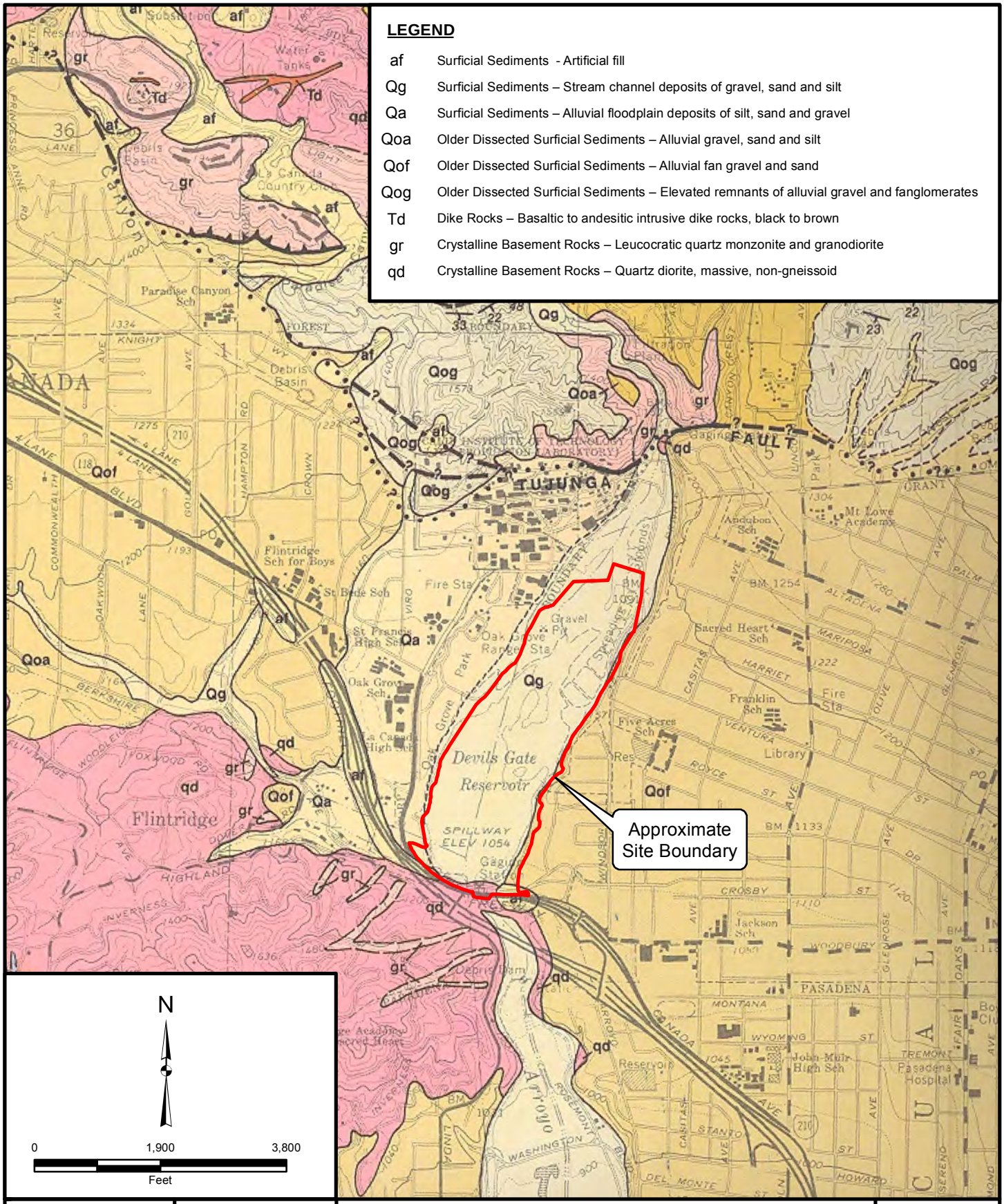
BORING LOCATION MAP

Devil's Gate Reservoir
Pasadena, California

Figure 2

Leighton

Map Saved as V:\drafting\603211\001\Maps\P603211-001_F02_BoringLocationMap_GIS_2013-01-23.mxd on 1/23/2013 3:36:43 PM



Project: 603211-001	Eng/Geol: VPI/RML
Scale: 1 " = 2,000 '	Date: October 2011

Geologic Map of the Pasadena Quadrangle, Dibblee, DF-23, 1989, Thomas W. Dibblee, Jr.

Author: (cgiovando)

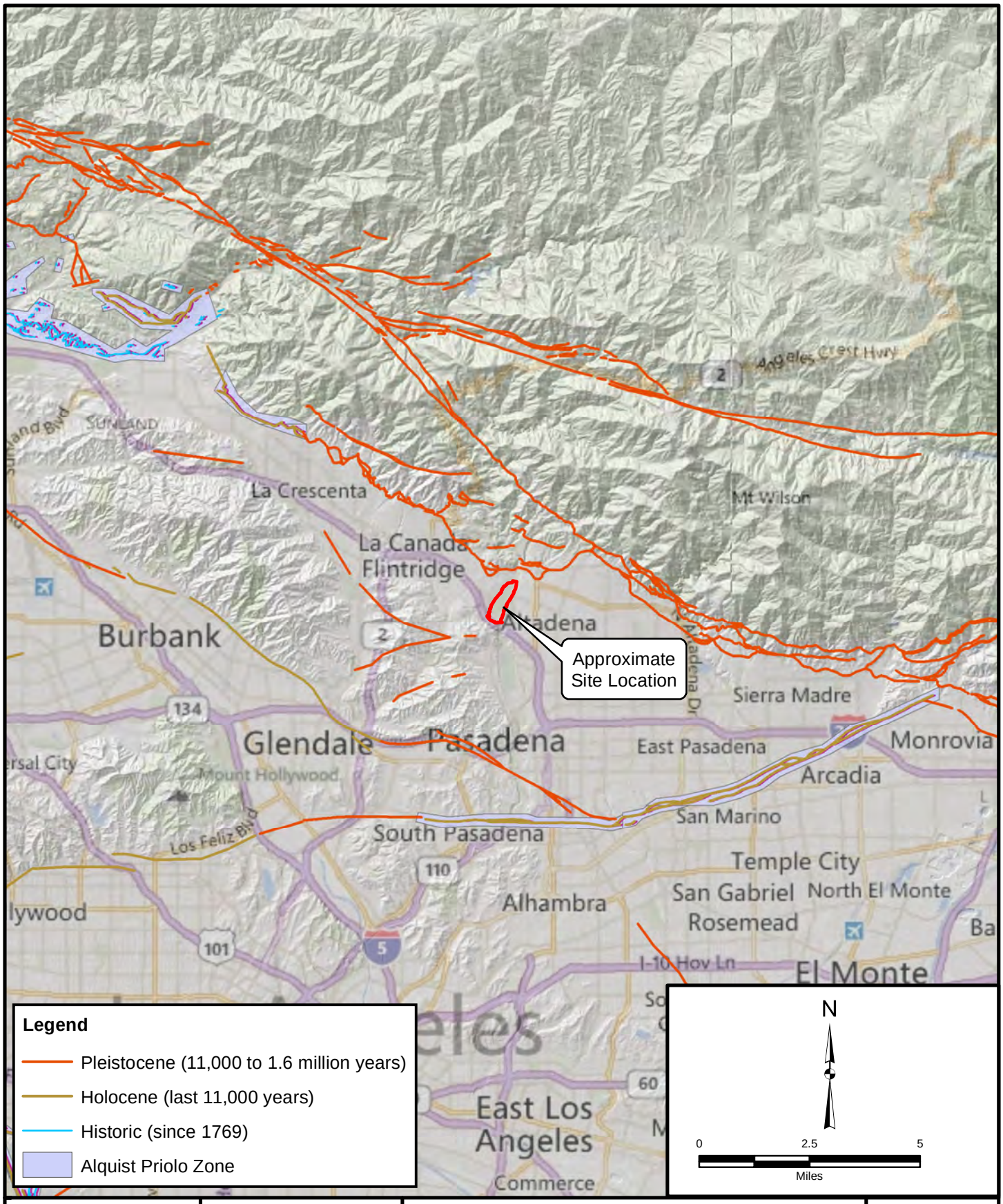
REGIONAL GEOLOGY MAP

Devil's Gate Reservoir
Pasadena, California

Figure 3

Leighton

Map Saved as V:\drafting\603211\001\Maps\P603211-001_F03_RegionalGeologyMap_GIS_2013-01-23.mxd on 1/23/2013 3:57:12 PM



Project: 603252-001	Eng/Geol: VPI/RML
Scale: 1 " = 3 miles	Date: October 2011

Base Map: Esri Resource Center, 2011

Thematic Layers Source:
Excerpted and adapted from California Geological Survey (2010)

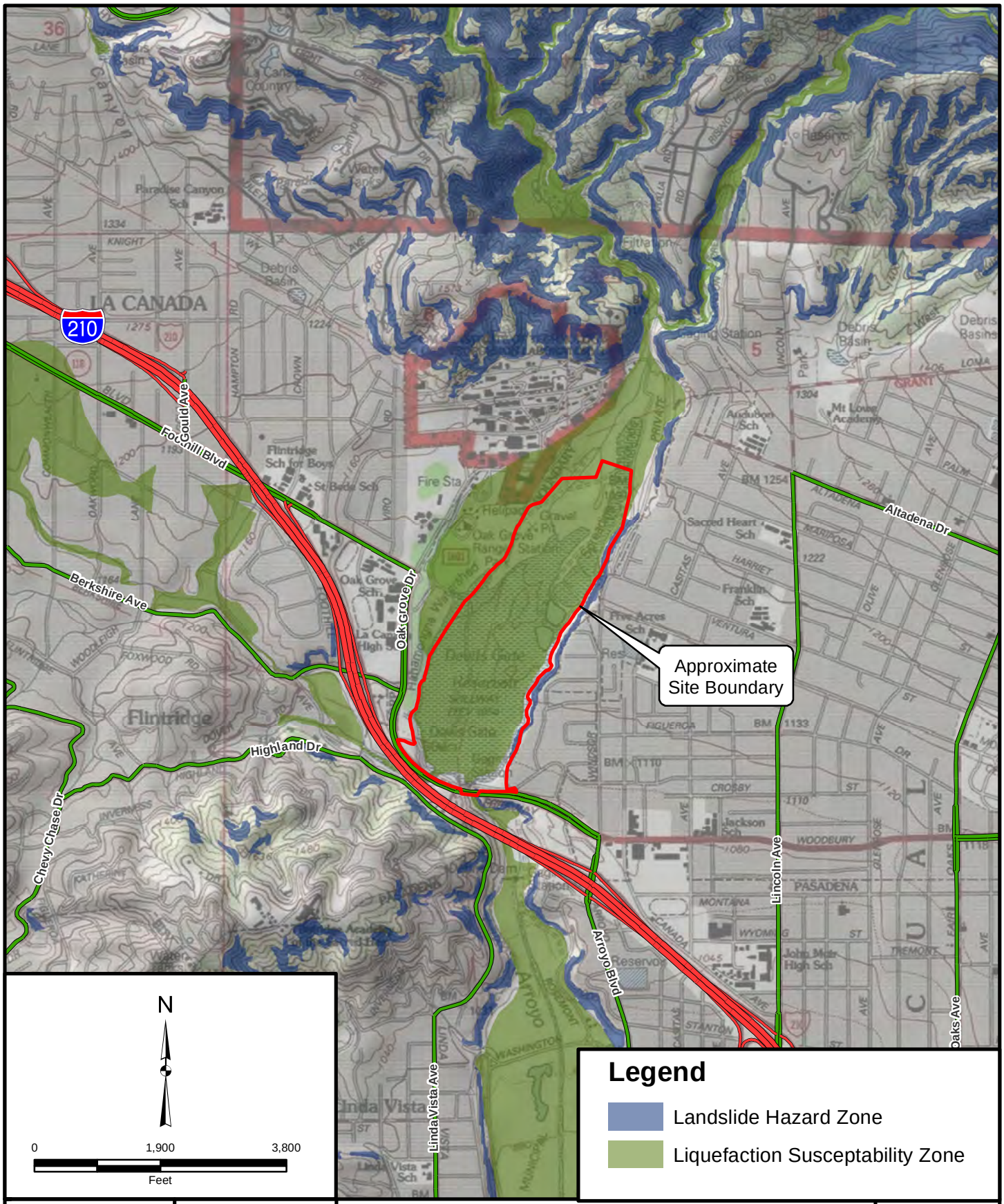
REGIONAL FAULT MAP

Devil's Gate Reservoir
Pasadena, California

Figure 4

Leighton

Map Saved as V:\drafting\603211\001\Maps\P603211-001_F04_RegionalFaultMap_GIS_2013-01-23.mxd on 1/23/2013 3:58:05 PM



Project: 603211-001	Eng/Geol: VPI/RML
Scale: 1 " = 2,000 '	Date: October 2011

Base Map: Bing Aerial Maps from Esri Resource Center, 2011
Thematic Info: STATE OF CALIFORNIA SEISMIC HAZARD ZONES
Author: (cgiovando)

SEISMIC HAZARD MAP

Devil's Gate Reservoir
Pasadena, California

Figure 5

Leighton

Map Saved as V:\drafting\603211\001\Maps\P603211-001_F05_SeismicHazardMap_GIS_2013-01-23.mxd on 1/23/2013 3:59:54 PM

APPENDIX A

APPENDIX A

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APPENDIX B

GEOTECHNICAL BORING LOG B-1

Project No.	603211-001	**Date Drilled**	9-19-11
Project	Devil's Gate Reservoir	**Logged By**	WBS
Drilling Co.	2R Drilling, Inc	**Hole Diameter**	8"
Drilling Method	LAR CME-75 Equivalent, 140lb (Autohammer), 30" Drop	**Ground Elevation**	*1073'
Location	Devil's Gate Reservoir, Pasadena, California	**Sampled By**	JPB

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0							SP	**Quaternary Stream Channel Deposits (Qg):** Poorly-graded SAND, light gray, dry, fine to medium grained sand with trace subangular gravel	
	5			B-1-5 B1					becomes brown, moist PID = 0.6 ppm	
	10			B-1-10 B2			3	SMg	SILTY SAND with GRAVEL, brown, moist, fine grained sand with non-plastic fines and some gravel PID = 1.7 ppm	M
	15			B-1-15 B3			5	SW-SM	Well-graded SAND with SILT, brown, moist, fine to coarse grained sand with non-plastic fines, trace subangular gravel PID = 0.6 ppm	M, SA
	20			B-1-20 B4			4		same as above PID = 0.4 ppm	M, SA
								SW-SM	**Burn Sediments:** Well-graded SAND with SILT and GRAVEL, black, moist, fine to coarse grained sand with non-plastic fines and subangular gravel, contains wire and plastic	
	25			B-1-25 B5			5	SM	**Quaternary Stream Channel Deposits (Qg):** SILTY SAND, moist, brown, fine-grained sand with non-plastic fines, no debris, rough drilling, POOR RECOVERY PID = 3.5 ppm	M, SA
	30								Total Depth = 26.5 ft. bgs No groundwater encountered during drilling Backfilled on 9-19-11 with cuttings *Boring elevations are approximate	

SAMPLE TYPES:

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

GEOTECHNICAL BORING LOG B-3

Project No.	603211-001	**Date Drilled**	9-19-11
Project	Devil's Gate Reservoir	**Logged By**	WBS
Drilling Co.	2R Drilling, Inc	**Hole Diameter**	8"
Drilling Method	LAR CME-75 Equivalent, 140lb (Autohammer), 30" Drop	**Ground Elevation**	*1047'
Location	Devil's Gate Reservoir, Pasadena, California	**Sampled By**	WBS

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0							SP	**Quaternary Stream Channel Deposits (Qg):** Poorly-graded SAND, light gray, dry, fine to medium grained sand, trace subangular gravel	
	5			B-3-5 B1			2	SMg	SILTY SAND with GRAVEL, brown, moist, fine grained sand with non-plastic fines and gravel PID = 0.0 ppm	M
	10			B-3-10 B2			4	SW-SM	Well-graded SAND with SILT, gray, moist, fine to coarse grained sand with non-plastic fines, contains trace gravel PID = 0.0 ppm	M, AL, SA
									becomes more silty	
	15			B-3-15 B3			6	SM	**Burn Sediments:** SILTY SAND, brown, moist, fine grained sand with non-plastic fines, trace gravel PID = 0.1 ppm rough drilling, gravel	M, SA
								GP	**Quaternary Stream Channel Deposits (Qg):** refusal on first attempt at 18 ft., boring relocated approx. 3 feet northeast for retry	
	20			B-3-20 B4			4	SM	SILTY SAND, olive brown, moist, fine grained sand with non-plastic fines, angular to subrounded gravel encountered, drilling becomes rough PID = 0.1 ppm	M
									drilling chatter/rough drilling ends	
▽	25			B-3-25 B5			4		becomes wet, contains trace rounded gravel, POOR RECOVERY PID = 0.6 ppm	M
									Total Depth = 26.5 ft. bgs Groundwater encountered at 25.25 ft. bgs Backfilled on 9-19-11 with cuttings *Boring elevations are approximate	
	30									

SAMPLE TYPES:
- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:
- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

GEOTECHNICAL BORING LOG B-4

Project No.	603211-001	**Date Drilled**	9-20-11
Project	Devil's Gate Reservoir	**Logged By**	WBS
Drilling Co.	2R Drilling, Inc	**Hole Diameter**	8"
Drilling Method	LAR CME-75 Equivalent, 140lb (Autohammer), 30" Drop	**Ground Elevation**	*1042'
Location	Devil's Gate Reservoir, Pasadena, California	**Sampled By**	WBS

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0							SP	**Quaternary Stream Channel Deposits (Qg):** Poorly-graded SAND, light gray, dry, fine to medium grained sand with trace subangular gravel	
	5			B-4-5 B1			3	SW-SM	Well-graded SAND with SILT, brown, moist, fine to coarse grained sand with non-plastic fines PID = 0.1 ppm	M, SA
	10			B-4-10 B2			4		same as above PID = 0.0 ppm	M, SA
	15			B-4-15 B3			5	SM	SILTY SAND, pale brown, moist, fine grained sand with non-plastic fines, trace angular to subangular gravel PID = 0.0 ppm rough drilling	M
	20			B-4-20 B4			4		light olive gray, POOR RECOVERY PID = 10.0 ppm rough drilling	M
	25			B-4-25 B4			3	SMg	SILTY SAND with GRAVEL, dark gray, wet, fine to medium grained sand with non-plastic fines and angular/broken gravel, POOR RECOVERY PID = 1.6 ppm	M
	30								Total Depth = 26.5 ft. bgs Groundwater encountered at 23 ft. bgs Backfilled on 9-20-11 with cuttings *Boring elevations are approximate	

SOIL DESCRIPTION: This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:
- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:
- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

GEOTECHNICAL BORING LOG B-9

Project No.	603211-001	**Date Drilled**	9-20-11
Project	Devil's Gate Reservoir	**Logged By**	WBS
Drilling Co.	2R Drilling, Inc	**Hole Diameter**	8"
Drilling Method	LAR CME-75 Equivalent, 140lb (Autohammer), 30" Drop	**Ground Elevation**	*1032'
Location	Devil's Gate Reservoir, Pasadena, California	**Sampled By**	WBS

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0							SP	**Quaternary Stream Channel Deposits (Qg):** Poorly graded SAND, brown, dry, fine grained sand	
	5			B-9-5 B1			6	SMg	SILTY SAND with GRAVEL, light yellowish brown, moist, fine grained sand with non-plastic fines and gravel, trace laminae and iron oxide staining PID = 0.0 ppm	M, SA
	10			B-9-10 B2			24	sML	SANDY SILT, gray, moist, non-plastic fines with fine grained sand, organic material noted PID = 0.0 ppm	M, AL, SA, H
	15			B-9-15 B3			10	sMLg	**Burn Sediments:** SANDY SILT with GRAVEL, greenish black, moist to wet, non-plastic fines with fine grained sand and gravel, trace calcium carbonate infill PID = 0.0 ppm	M
	20			B-9-20 B4			10	SM	SILTY SAND, dark olive gray, moist, fine grained sand with non-plastic fines, some iron oxide staining PID = 0.0 ppm	M
	25			B-9-25 B5			38	ML	SILT, greenish black, wet, non-plastic fines, cuttings hold water PID = 0.0 ppm	M
	30									

SAMPLE TYPES:
- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:
- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

GEOTECHNICAL BORING LOG B-9

Project No.	603211-001	**Date Drilled**	9-20-11
Project	Devil's Gate Reservoir	**Logged By**	WBS
Drilling Co.	2R Drilling, Inc	**Hole Diameter**	8"
Drilling Method	LAR CME-75 Equivalent, 140lb (Autohammer), 30" Drop	**Ground Elevation**	*1032'
Location	Devil's Gate Reservoir, Pasadena, California	**Sampled By**	WBS

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	30			B-9-30				SP	**Quaternary Stream Channel Deposits (Qg):** Poorly graded SAND, gray, wet, medium to coarse grained sand PID = 0.0 ppm	
									Total Depth = 31.5 ft. bgs Groundwater encountered at 22 ft. bgs Backfilled on 9-20-11 with cuttings *Boring elevations are approximate	
	35									
	40									
	45									
	50									
	55									
	60									

The soil description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:
- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

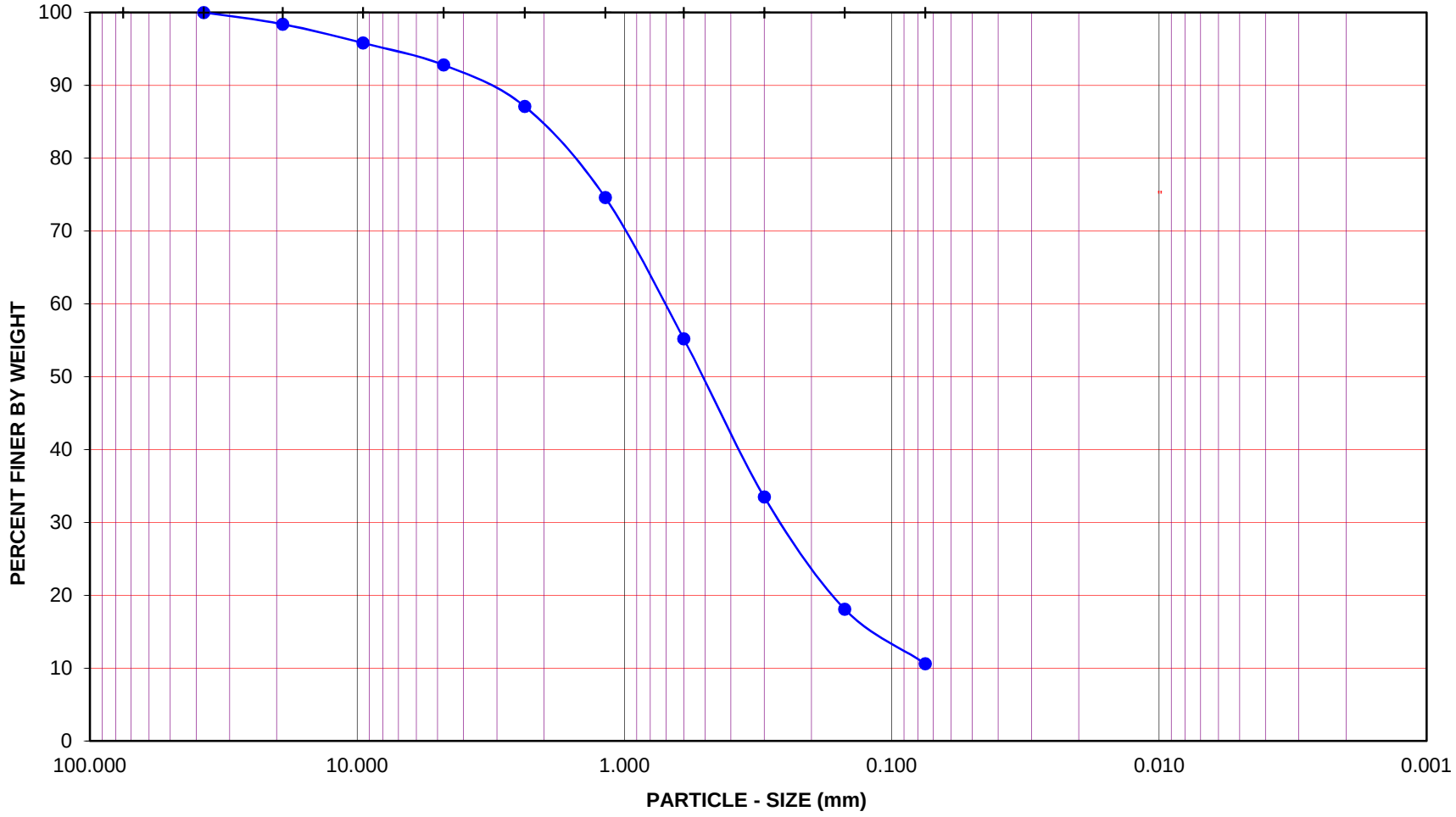
*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

APPENDIX C

GRAVEL		SAND			FINES	
COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

U.S. STANDARD SIEVE OPENING — U.S. STANDARD SIEVE NUMBER — HYDROMETER

3.0" 1 1/2" 3/4" 3/8" #4 #8 #16 #30 #50 #100 #200



Project Name: Devil's Gate

Project No.: 603211-001

Exploration No.: B-1 Sample No.: B3

Depth (feet): 15.0 Soil Type : SW-SM

Soil Identification: Olive brown well-graded sand with silt (SW-SM)

GR:SA:FI : (%) 7 : 82 : 11

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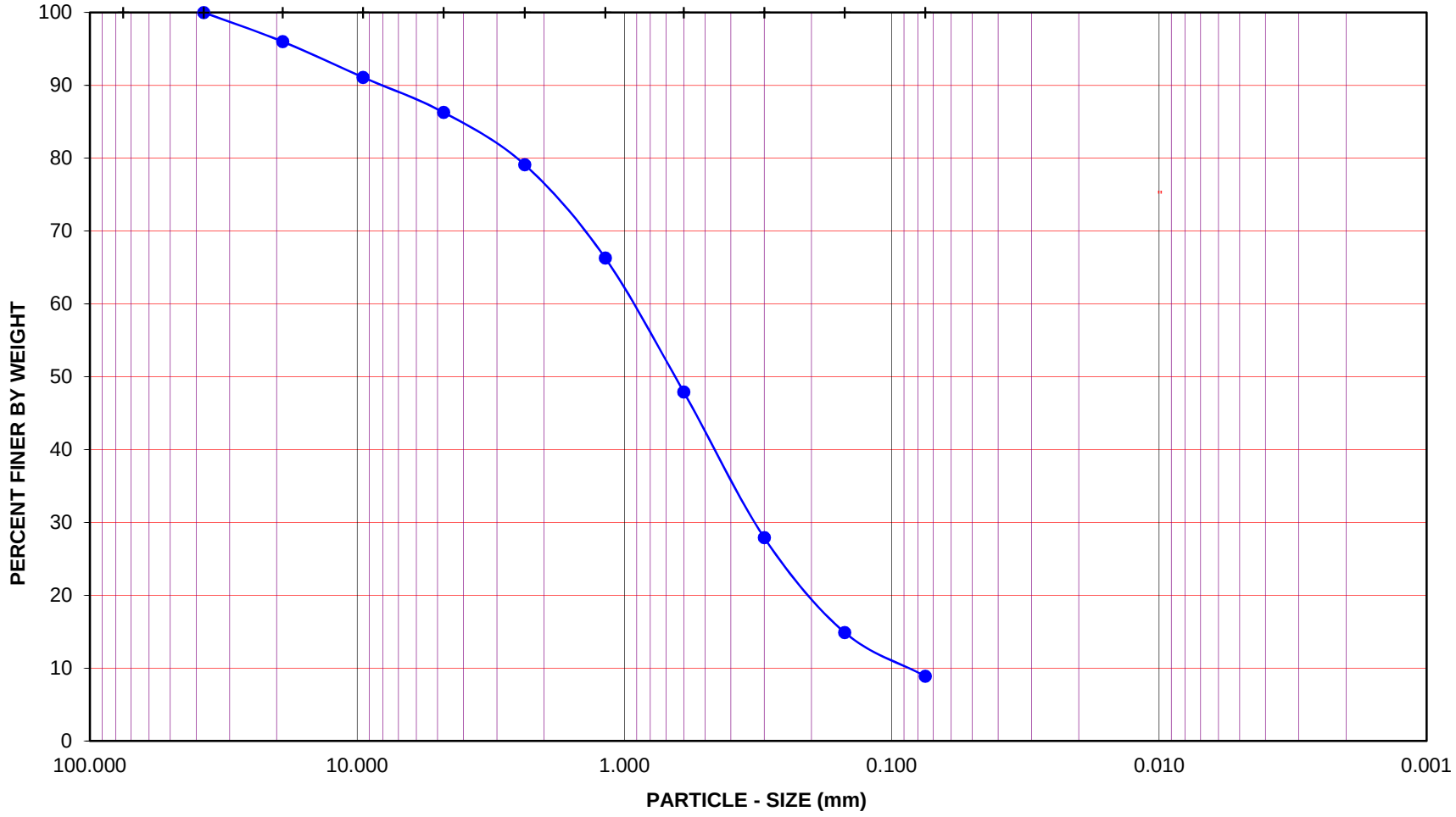
Oct-11

GRAVEL		SAND			FINES	
COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

U.S. STANDARD SIEVE OPENING: 3.0" 1 1/2" 3/4" 3/8"

U.S. STANDARD SIEVE NUMBER: #4 #8 #16 #30 #50 #100 #200

HYDROMETER



Project Name: Devil's Gate

Project No.: 603211-001

Exploration No.: B-1 Sample No.: B4

Depth (feet): 20.0 Soil Type : SW-SM

Soil Identification: Olive gray well-graded sand with silt (SW-SM)

GR:SA:FI : (%) 14 : 77 : 9

Leighton

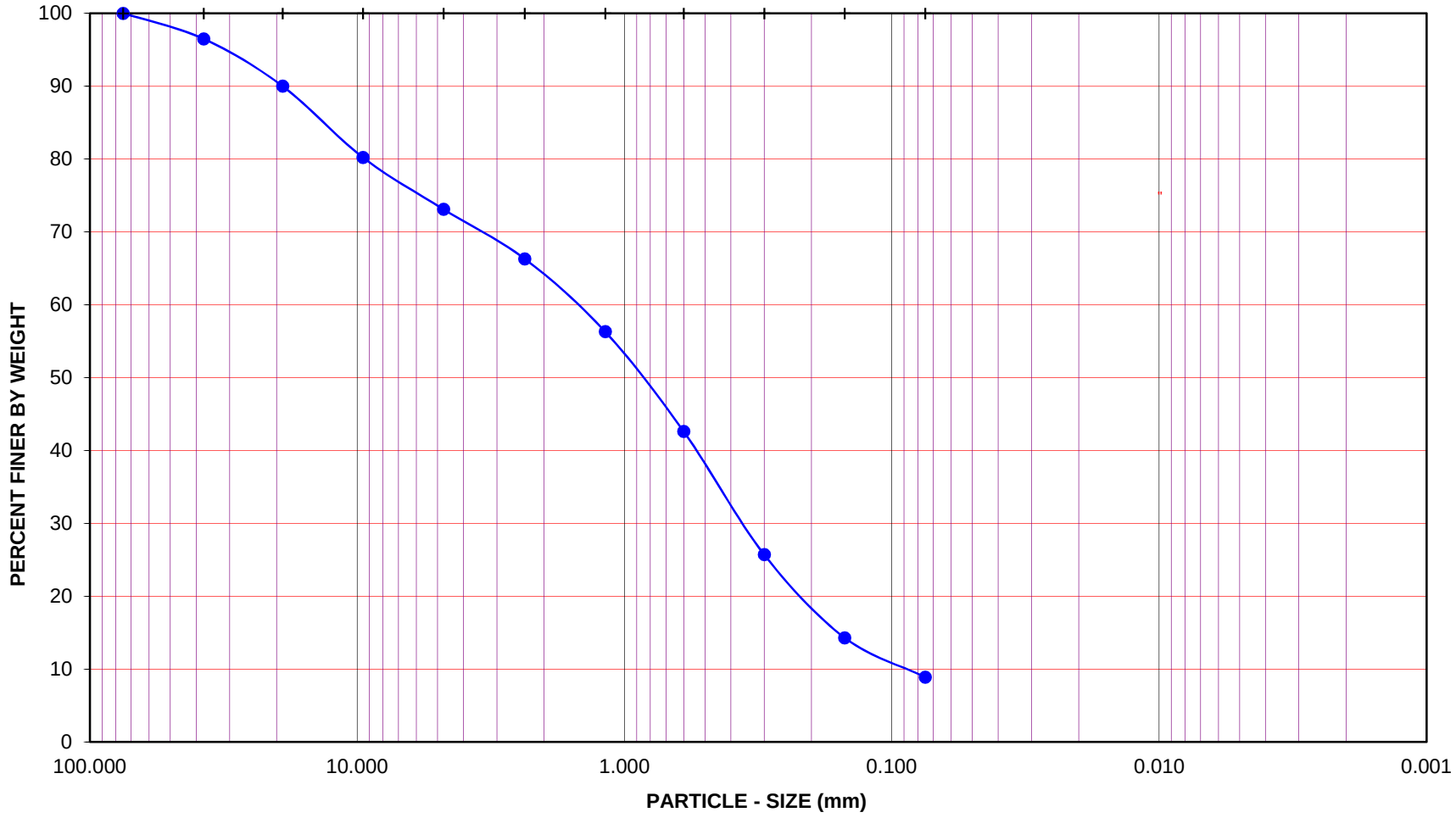
PARTICLE - SIZE DISTRIBUTION ASTM D 6913

Oct-11

GRAVEL		SAND			FINES	
COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

U.S. STANDARD SIEVE OPENING — U.S. STANDARD SIEVE NUMBER — HYDROMETER

3.0" 1 1/2" 3/4" 3/8" #4 #8 #16 #30 #50 #100 #200



Project Name: Devil's Gate

Project No.: 603211-001

Exploration No.: B-1 Sample No.: B5

Depth (feet): 25.0 Soil Type : (SW-SM)g

Soil Identification: Olive gray well-graded sand with silt and gravel (SW-SM)g

GR:SA:FI : (%) 27 : 64 : 9

Leighton

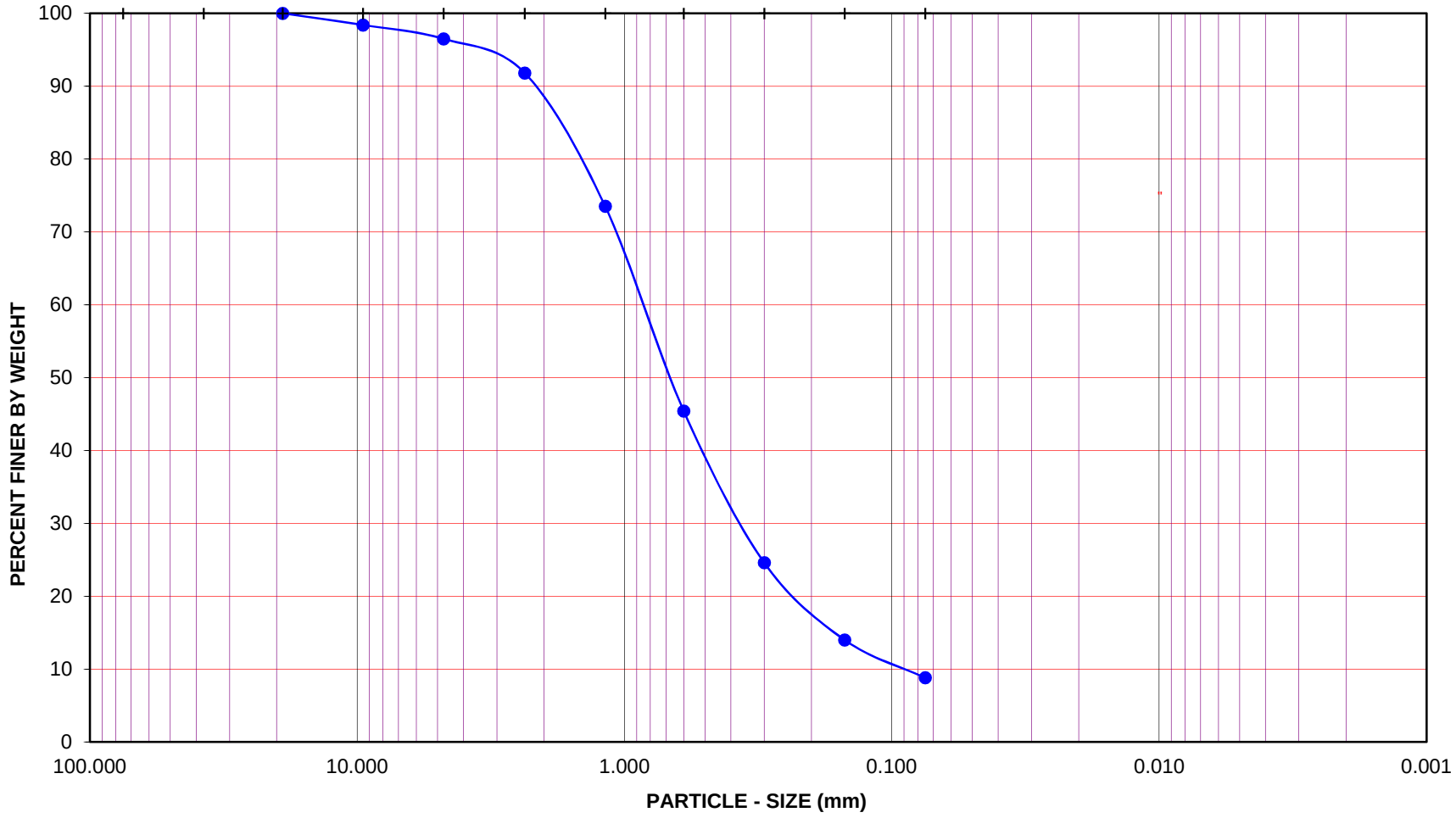
PARTICLE - SIZE DISTRIBUTION ASTM D 6913

Oct-11

GRAVEL		SAND			FINES	
COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

U.S. STANDARD SIEVE OPENING — U.S. STANDARD SIEVE NUMBER — HYDROMETER

3.0" 1 1/2" 3/4" 3/8" #4 #8 #16 #30 #50 #100 #200



Project Name: Devil's Gate

Project No.: 603211-001

Exploration No.: B-3 Sample No.: B2

Depth (feet): 10.0 Soil Type : SW-SM

Soil Identification: Olive gray well-graded sand with silt (SW-SM)

GR:SA:FI : (%) 4 : 87 : 9

Leighton

PARTICLE - SIZE DISTRIBUTION ASTM D 6913

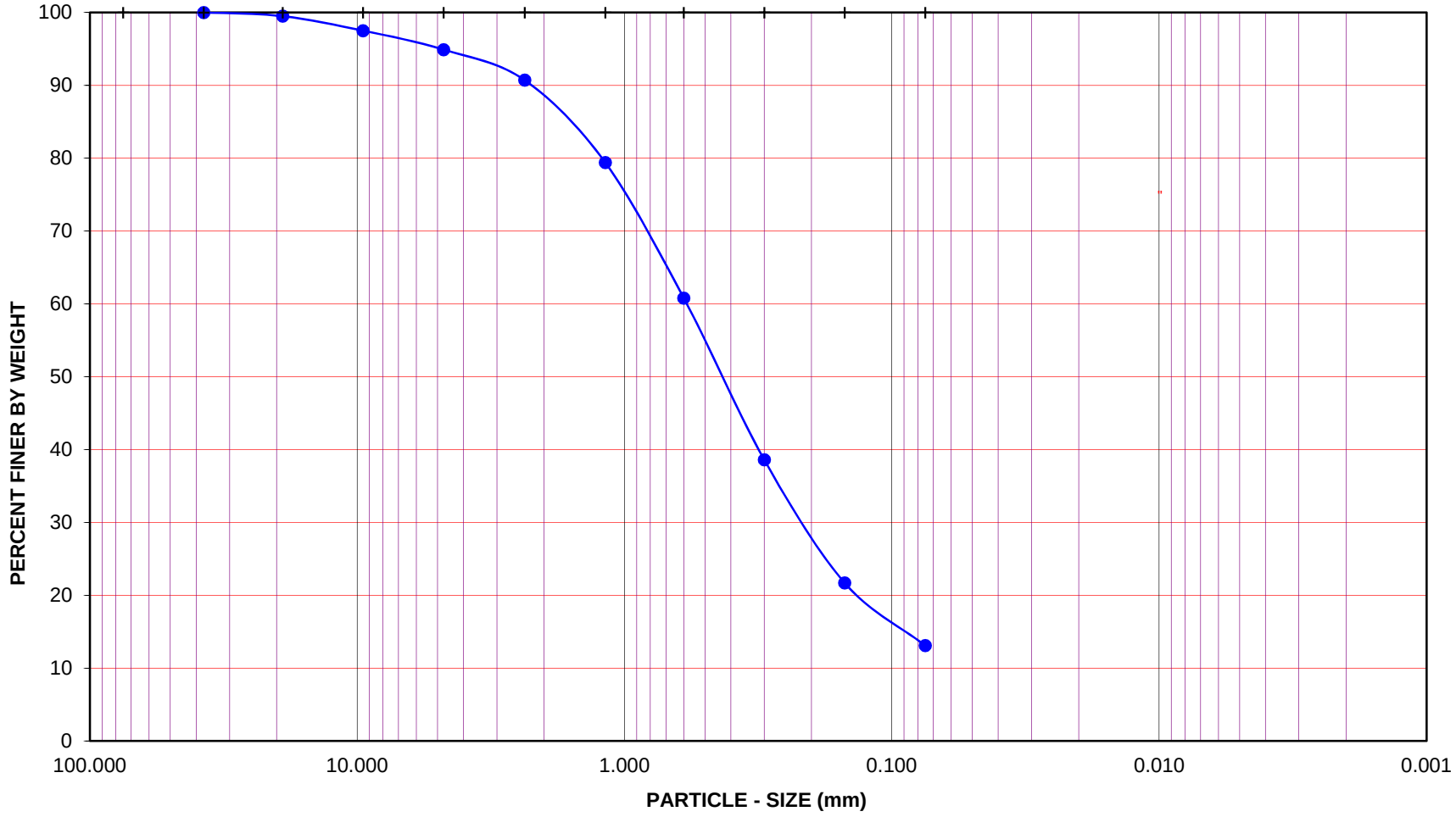
Oct-11

GRAVEL		SAND			FINES	
COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

U.S. STANDARD SIEVE OPENING: 3.0" 1 1/2" 3/4" 3/8"

U.S. STANDARD SIEVE NUMBER: #4 #8 #16 #30 #50 #100 #200

HYDROMETER



Project Name: Devil's Gate

Project No.: 603211-001

Exploration No.: B-3 Sample No.: B3

Depth (feet): 15.0 Soil Type : SM

Soil Identification: Olive gray silty sand (SM)

GR:SA:FI : (%) 5 : 82 : 13

Leighton

PARTICLE - SIZE DISTRIBUTION ASTM D 6913

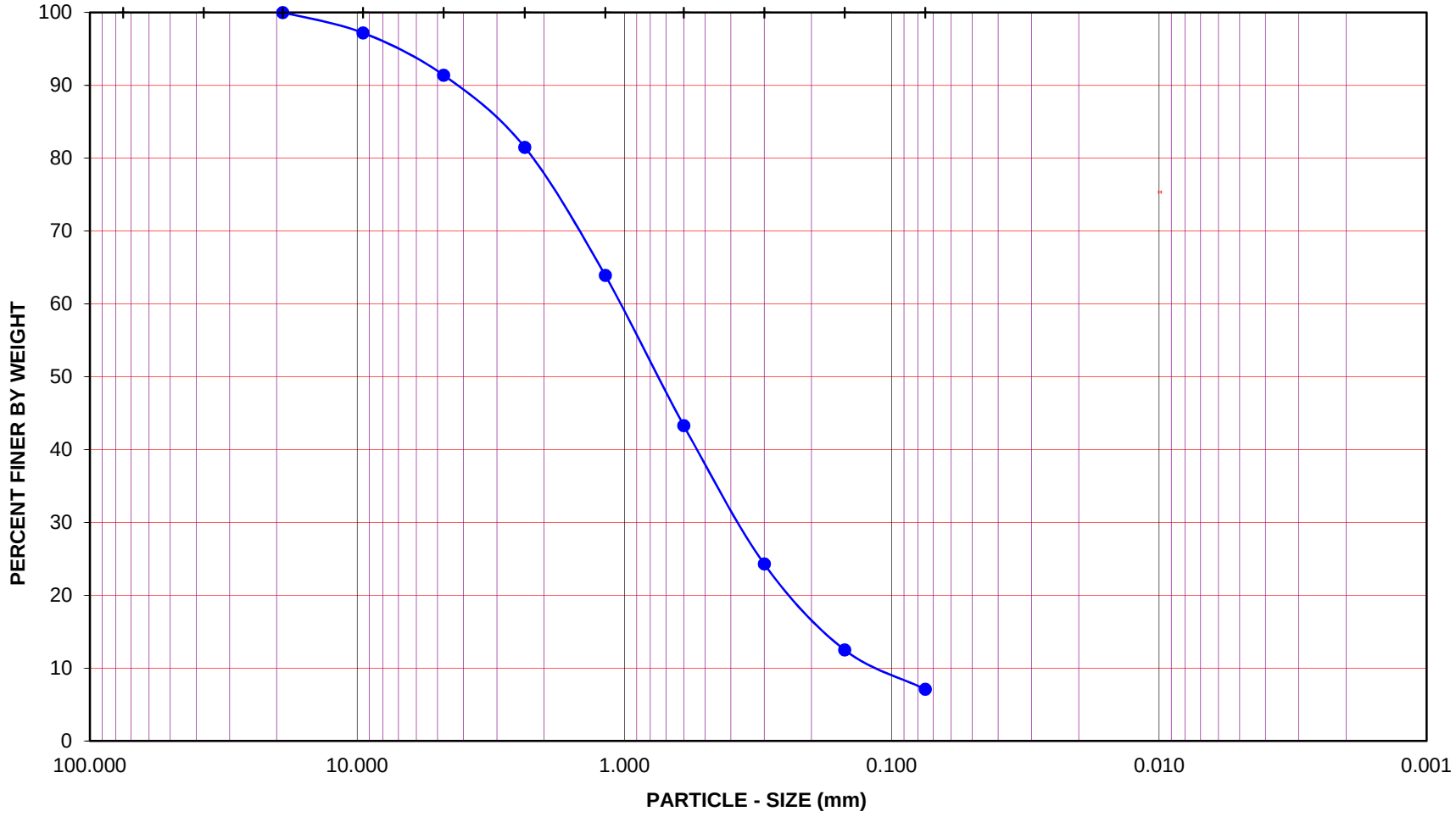
Oct-11

GRAVEL		SAND			FINES	
COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

U.S. STANDARD SIEVE OPENING: 3.0" 1 1/2" 3/4" 3/8"

U.S. STANDARD SIEVE NUMBER: #4 #8 #16 #30 #50 #100 #200

HYDROMETER



Project Name: Devil's Gate

Project No.: 603211-001

Exploration No.: B-4 Sample No.: B1

Depth (feet): 5.0 Soil Type : SW-SM

Soil Identification: Olive brown well-graded sand with silt (SW-SM)

GR:SA:FI : (%) 9 : 84 : 7

Leighton

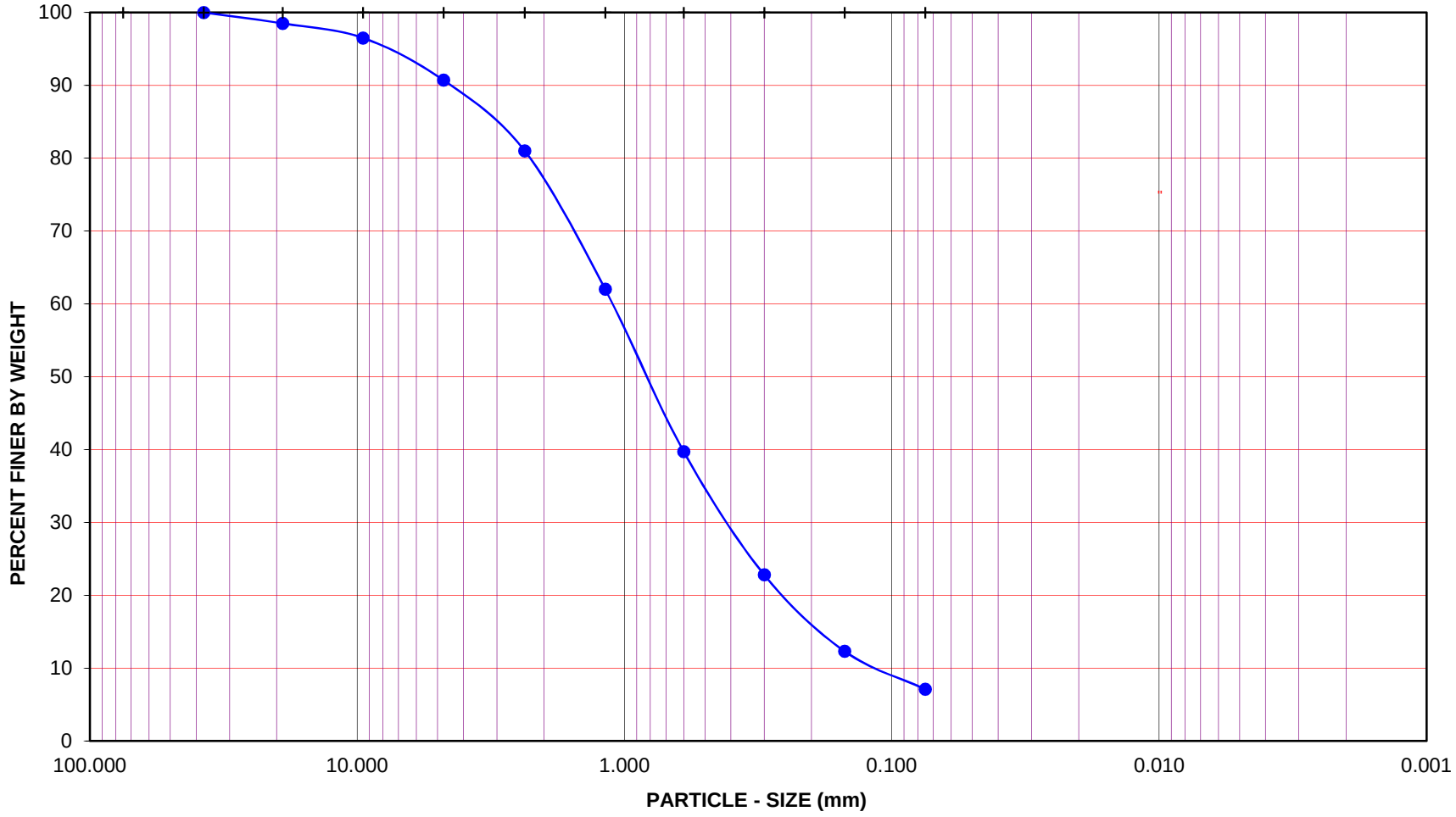
PARTICLE - SIZE DISTRIBUTION ASTM D 6913

Oct-11

GRAVEL		SAND			FINES	
COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

U.S. STANDARD SIEVE OPENING — U.S. STANDARD SIEVE NUMBER — HYDROMETER

3.0" 1 1/2" 3/4" 3/8" #4 #8 #16 #30 #50 #100 #200



Project Name: Devil's Gate

Project No.: 603211-001

Exploration No.: B-4 Sample No.: B2

Depth (feet): 10.0 Soil Type : SW-SM

Soil Identification: Olive brown well-graded sand with silt (SW-SM)

GR:SA:FI : (%) 9 : 84 : 7

Leighton

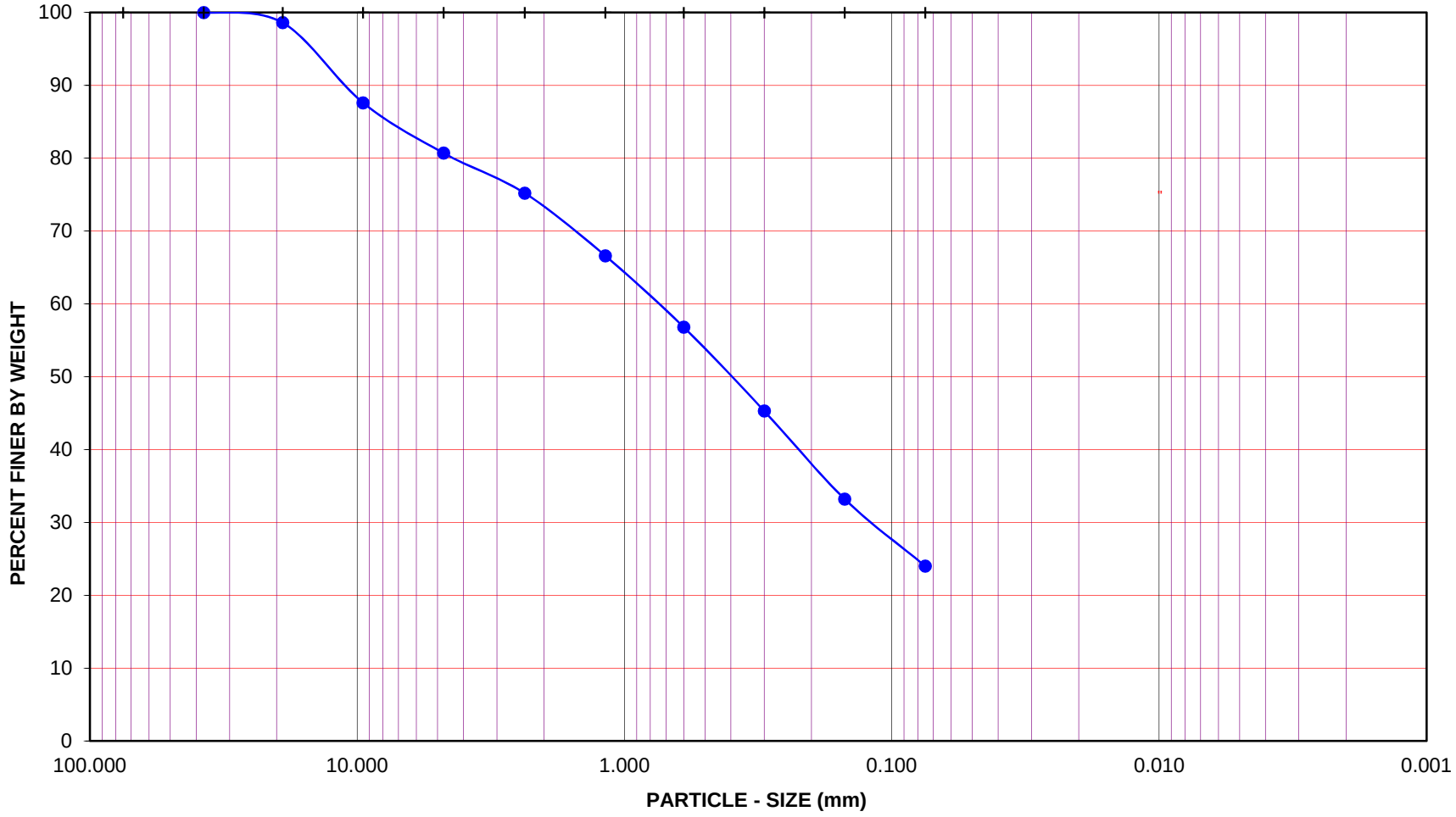
PARTICLE - SIZE DISTRIBUTION ASTM D 6913

Oct-11

GRAVEL		SAND			FINES	
COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

U.S. STANDARD SIEVE OPENING — U.S. STANDARD SIEVE NUMBER — HYDROMETER

3.0" 1 1/2" 3/4" 3/8" #4 #8 #16 #30 #50 #100 #200



Project Name: Devil's Gate

Project No.: 603211-001

Exploration No.: B-9 Sample No.: B1

Depth (feet): 5.0 Soil Type : (SM)g

Soil Identification: Olive gray silty sand with gravel (SM)g

GR:SA:FI : (%) 19 : 57 : 24

Leighton

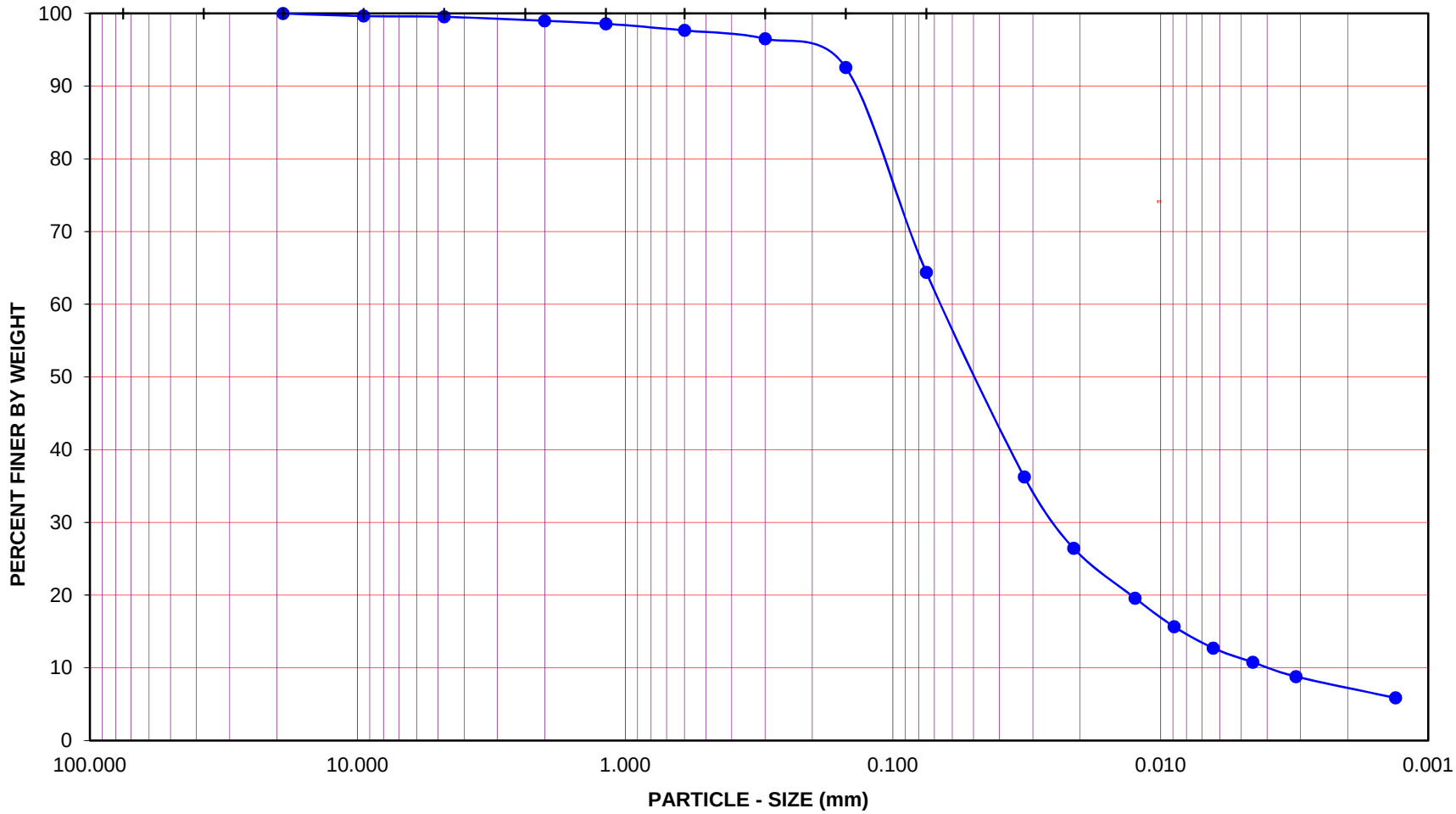
PARTICLE - SIZE DISTRIBUTION ASTM D 6913

Oct-11

GRAVEL		SAND			FINES	
COARSE	FINE	CRSE	MEDIUM	FINE	SILT	CLAY

U.S. STANDARD SIEVE OPENING — U.S. STANDARD SIEVE NUMBER — HYDROMETER

3.0" 1 1/2" 3/4" 3/8" #4 #8 #16 #30 #50 #100 #200



Project Name: Devil's Gate

Project No.: 603211-001

Exploration No.: B-9 Sample No.: B2

Depth (feet) : 10.0 Soil Type : s(ML)

Soil Identification: Olive gray sandy silt s(ML); organic material noted

GR:SA:FI : (%) 0 : 36 : 64

Leighton

PARTICLE - SIZE DISTRIBUTION ASTM D 422

Oct-11

ATTERBERG LIMITS

ASTM D 4318

Project Name:	Devil's Gate	Tested By:	V. Juliano	Date:	10/25/11
Project No. :	603211-001	Input By:	J. Ward	Date:	10/25/11
Boring No.:	B-3	Checked By:	J. Ward		
Sample No.:	B2	Depth (ft.)	10.0		
Soil Identification:	Olive gray well-graded sand with silt (SW-SM)				

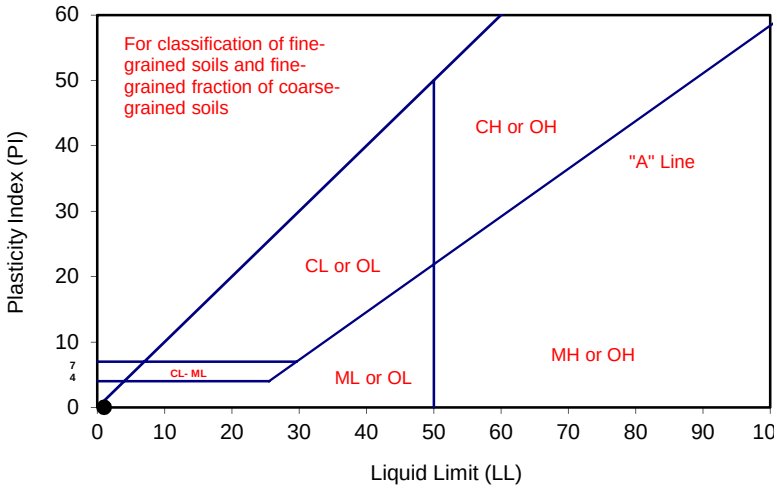
TEST	PLASTIC LIMIT		LIQUID LIMIT			
NO.	1	2	1	2	3	4
Number of Blows [N]			5			
Wet Wt. of Soil + Cont. (g)	**Cannot be rolled:**		28.89	**Cannot get more than 5 blows:**		
Dry Wt. of Soil + Cont. (g)	**NonPlastic**		26.03	**NonPlastic**		
Wt. of Container (g)			11.71			
Moisture Content (%) [Wn]			19.97			

Liquid Limit	**NP**
Plastic Limit	**NP**
Plasticity Index	**NP**
Classification	**NP**

PI at "A" - Line = 0.73(LL-20) =

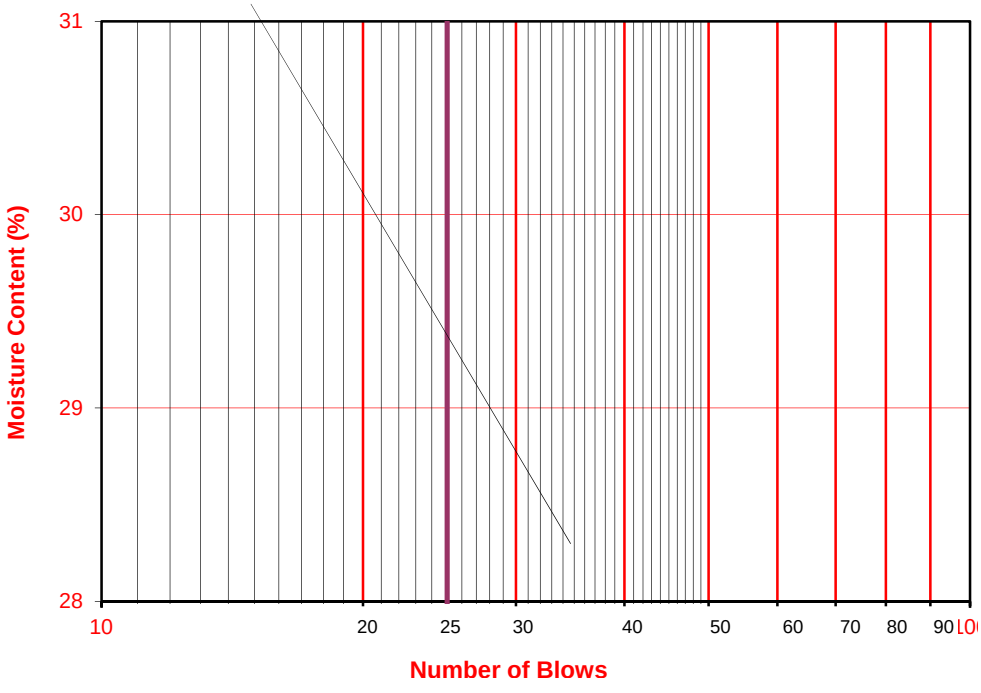
One - Point Liquid Limit Calculation

$LL = Wn(N/25)^{0.121}$



PROCEDURES USED

☐	Wet Preparation
	Multipoint - Wet
X	Dry Preparation
	Multipoint - Dry
X	Procedure A
	Multipoint Test
☐	Procedure B
	One-point Test



Leighton

ATTERBERG LIMITS

ASTM D 4318

Project Name:	Devil's Gate	Tested By:	V. Juliano	Date:	10/24/11
Project No. :	603211-001	Input By:	J. Ward	Date:	10/25/11
Boring No.:	B-9	Checked By:	J. Ward		
Sample No.:	B2	Depth (ft.)	10.0		
Soil Identification:	Olive gray sandy silt s(ML); organic material noted				

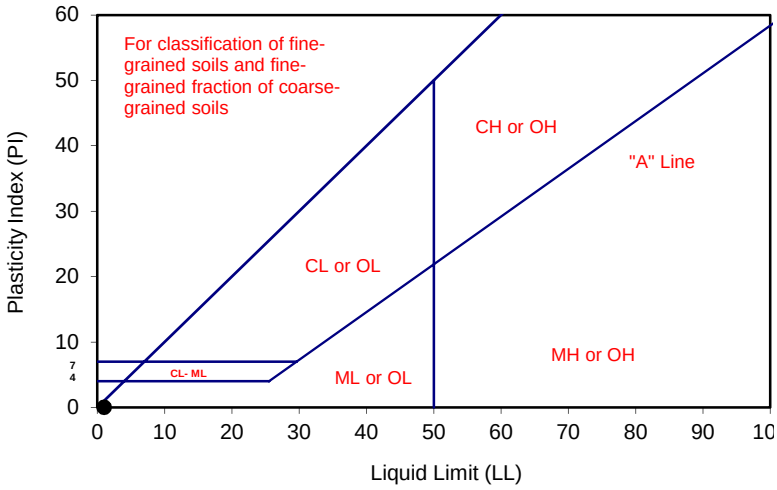
TEST	PLASTIC LIMIT		LIQUID LIMIT			
NO.	1	2	1	2	3	4
Number of Blows [N]			8			
Wet Wt. of Soil + Cont. (g)	**Cannot be rolled:**		25.01	**Cannot get more than 8 blows:**		
Dry Wt. of Soil + Cont. (g)	**NonPlastic**		22.19	**NonPlastic**		
Wt. of Container (g)			11.72			
Moisture Content (%) [Wn]			26.93			

Liquid Limit	**NP**
Plastic Limit	**NP**
Plasticity Index	**NP**
Classification	**NP**

PI at "A" - Line = 0.73(LL-20) =

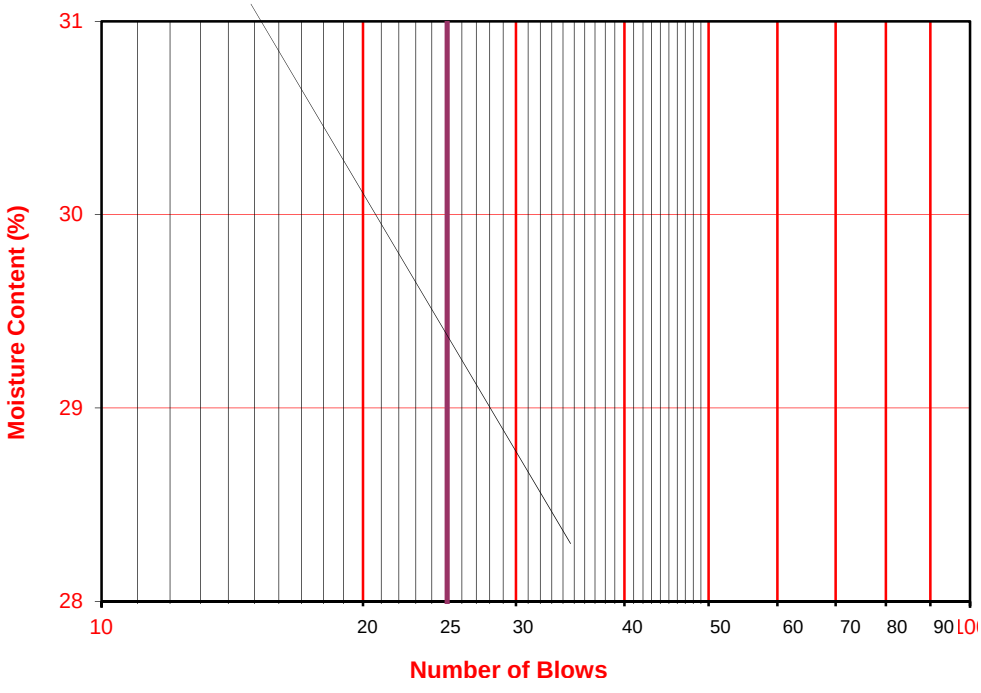
One - Point Liquid Limit Calculation

$LL = Wn(N/25)^{0.121}$



PROCEDURES USED

☐	Wet Preparation
	Multipoint - Wet
X	Dry Preparation
	Multipoint - Dry
X	Procedure A
	Multipoint Test
☐	Procedure B
	One-point Test



APPENDIX D

Table D1
Summary of Detected Metals (EPA Method 6010B/7471A)
Devil's Gate, Pasadena, California

Sample ID	Sample Date	Sample Depth (feet bgs)	Title 22/CAM 17 Metals															
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
			mg/kg																
B-1-5	09/19/11	5	1.3	2.1	52	0.29	0.092	8.2	4.4	21	3.7	0.27	4.7	ND	ND	0.91	32	54	0.087
B-1-10	09/19/11	10	1.7	2.9	49	0.32	0.12	6.0	3.9	10	4.9	ND	4.0	ND	ND	ND	24	44	0.30
B-1-15	09/19/11	15	1.7	2.4	48	0.37	0.13	8.1	4.7	15	10	0.34	5.3	ND	ND	0.86	27	57	0.48
B-1-20	09/19/11	20	1.4	1.5	49	0.26	0.12	7.1	3.6	21	8.8	ND	4.6	ND	ND	ND	21	46	0.18
B-1-25	09/19/11	25	1.2	2.7	55	0.29	0.083	9.6	3.1	19	7.8	0.95	3.4	ND	ND	ND	17	43	0.22
B-3-5	09/19/11	5	1.1	1.7	37	0.23	0.074	5.6	3.0	8	3.6	ND	3.4	ND	ND	ND	16	29	0.18
B-3-10	09/19/11	10	1.0	2.3	49	0.30	0.090	8.8	4.1	13	5.5	ND	4.9	ND	ND	ND	24	36	0.095
B-3-15	09/19/11	15	ND	1.2	24	0.19	ND	3.4	2.1	11	2.2	ND	2.0	ND	ND	ND	13	25	0.19
B-3-20	09/19/11	20	2.0	3.2	130	0.35	0.12	14	7.0	43	8.1	0.84	7.8	ND	ND	1.3	36	72	0.14
B-3-25	09/19/11	25	0.86	2.4	72	0.28	0.053	9.1	4.0	17	3.5	0.57	4.6	ND	ND	0.86	22	38	0.11
B-4-5	09/20/11	5	1.2	2.0	55	0.28	0.11	7.8	4.1	17	4.9	ND	4.7	ND	ND	ND	25	40	0.14
B-4-10	09/20/11	10	ND	2.1	39	0.21	0.065	7.4	3.6	11	3.3	0.30	4.0	ND	ND	ND	28	32	0.20
B-4-15	09/20/11	15	0.81	2.3	40	0.22	0.062	10	2.9	8.6	3.0	ND	2.7	ND	ND	ND	25	28	0.14
B-4-20	09/20/11	20	0.88	1.8	41	0.26	0.066	11	3.4	18	3.4	1.1	3.9	ND	0.069	ND	23	39	0.23
B-4-25	09/20/11	25	0.85	1.7	180	0.17	ND	10	5.8	51	1.8	0.91	5.6	ND	ND	ND	36	41	0.047
B-9-5	09/20/11	5	2.7	4.3	160	0.77	0.21	23	11	31	21	0.88	15	ND	ND	2.1	51	99	0.26
B-9-10	09/20/11	10	0.91	1.6	40	0.26	0.096	5.7	3.4	12	4.3	0.28	3.3	ND	ND	ND	20	30	0.085
B-9-15	09/20/11	15	2.6	3.8	110	0.86	0.17	18	8.5	28	9.7	0.52	12	ND	0.15	1.3	40	70	0.31
B-9-20	09/20/11	20	1.1	1.4	58	0.29	0.073	8.1	4.5	13	2.9	ND	5.0	ND	ND	0.79	24	37	0.10
B-9-25	09/20/11	25	3.0	3.7	160	0.76	0.21	21	10	30	19	0.77	14	ND	0.10	1.8	52	96	0.26
B-9-30	09/20/11	30	0.66	1.1	38	0.28	0.079	5.6	3.4	18	2.8	ND	3.7	ND	ND	ND	20	35	0.26
B-3-5-D	09/19/11	5	1.0	2.2	53	0.28	0.076	8.7	4.4	14	4.4	0.26	5.0	ND	0.068	0.94	27	40	0.29
B-4-10-D	09/20/11	10	1.1	2.0	36	0.24	0.061	6.0	3.7	16	3.6	0.27	3.6	ND	ND	ND	22	35	0.11
B-9-10-D	09/20/11	10	1.4	2.6	100	0.46	0.15	14	7.3	17	6.4	0.32	8.6	ND	0.098	1.3	38	71	0.13
BLM HRMC (Camper) (Soil mg/kg)			50	20	NL	NL	70	NL	NL	5,000	1,000	NL	2,700	700	700	NL	NL	40,000	40
BLM HRMC (Worker) (Soil mg/kg)			100	12	NL	NL	100	NL	NL	7,400	2,000	NL	4,000	1,000	1,000	NL	NL	480,000	480
BLM HRMC (Resident) (Soil mg/kg)			3	1	NL	NL	3	NL	NL	250	400	NL	135	35	35	NL	NL	2,000	2
CHHSL (Residential) mg/kg			30	0.07	5,200	150	1.7	100,000	660	3,000	150	380	1,600	380	380	5	530	23,000	18
CHHSL (Industrial) mg/kg			380	0.24	63,000	1,700	7.5	100,00	3,200	38,000	3,500	4,800	16,000	4,800	4,800	63	6,700	100,000	180
RSL (Residential) mg/kg			31	0.39	15,000	160	70	120,000	23	3,100	400*	390	1,500	390	390	0.78	390	23,000	10
RSL (Industrial) mg/kg			410	1.6	190,000	2,000	800	1,500,000	300	41,000	800	5,100	20,000	5,100	5,100	10	5,200	310,000	43
TTLC (mg/kg)			500	500	10,000	75	100	2,500	8,000	2,500	1,000	3,500	2,000	100	500	700	2,400	5,000	20
10xSTLC (mg/L)			150	50	1,000	7.5	10	5,600	800	250	50	3,500	200	10	50	70	240	2,500	2
20xTCLP (mg/L)			NL	100	2,000	NL	20	100	NL	NL	100	NL	NL	20	100	NL	NL	NL	4
Protection of Groundwater, Risk-Based SSL (mg/kg)			0.66	0.0013	300	58	NL	.00083	0.49	51	NL	3.7	48	0.95	1.6	0.026	180	680	0.033

Notes:

HRMC Human Risk Management Criteria RMC Risk Management Criteria ATV All Terrain Vehicle

Title 22/CAM 17 Metals, analyzed by EPA Method 6010B/7471A

RED* = Lead MSSL 150 mg/Kg as required by LA County

CHHSL = California Human Health Screening Levels, Cal EPA, Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties, January 1995

RSL = Regional Screening Level, U.S. EPA Regional Screening Levels for Chemical Contaminants at Superfund Sites dated June 2011

SSL = Site Screening Level

TTLC = Total Threshold Limit Concentration

STLC = Soluble Threshold Limit Concentration

TCLP = Toxicity Characteristic Leaching Procedure

mg/kg = Milligrams per kilogram

mg/L = Milligrams per liter

NL = Not listed

ND = Analyte not detected at or above the reporting limit

D = Duplicate sample

Table D2
Summary of Detected Organopesticides (EPA Method 8081)
Devil's Gate, Pasadena, California

Sample ID	Sample Date	Sample Depth (feet bgs)	4,4'-DDE mg/kg	4,4'-DDT mg/kg
B-1-5	09/19/11	5	ND	ND
B-1-10	09/19/11	10	ND	ND
B-1-15	09/19/11	15	ND	ND
B-1-20	09/19/11	20	ND	ND
B-1-25	09/19/11	25	ND	ND
B-3-5	09/19/11	5	ND	ND
B-3-10	09/19/11	10	ND	ND
B-3-15	09/19/11	15	ND	ND
B-3-20	09/19/11	20	ND	ND
B-3-25	09/19/11	25	ND	ND
B-4-5	09/20/11	5	ND	ND
B-4-10	09/20/11	10	ND	ND
B-4-15	09/20/11	15	ND	ND
B-4-20	09/20/11	20	ND	ND
B-4-25	09/20/11	25	ND	ND
B-9-5	09/20/11	5	**0.0015**	**0.00059**
B-9-10	09/20/11	10	ND	ND
B-9-15	09/20/11	15	ND	ND
B-9-20	09/20/11	20	ND	ND
B-9-25	09/20/11	25	ND	ND
B-9-30	09/20/11	30	ND	ND
B-3-5-D	09/19/11	5	ND	ND
B-4-10-D	09/20/11	10	ND	ND
B-9-10-D	09/20/11	10	ND	ND
CHHSL (Residential) mg/kg			**1.6**	**1.6**
CHHSL (Industrial) mg/kg			**6.3**	**6.3**
RSL (Residential) mg/kg			**1.4**	**1.7**
RSL (Industrial) mg/kg			**5.1**	**7.0**
TTLC (mg/kg)			**1**	**1**
10xSTLC (mg/L)			**1**	**1**
20xTCLP (mg/L)			**NL**	**NL**
Protection of Groundwater, Risk-Based SSL (mg/kg)			**0.047**	**0.067**

Notes:

Organopesticides, analyzed by EPA Method 8081
CHHSL = California Human Health Screening Levels, Cal EPA, January 1995
RSL = Regional Screening Level, U.S. EPA Regional Screening Levels for Chemical Contaminants at Superfund Sites dated June 2011
SSL = Site Screening Level
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
TCLP = Toxicity Characteristic Leaching Procedure
mg/kg = Milligrams per kilogram
mg/L = Milligrams per liter
NL = Not listed
ND = Analyte not detected at or above the reporting limit
D = Duplicate sample

Table D3

Summary of Detected VOCs (EPA Method 8260), SVOCs (EPA Method 8270C) and TPH (Luft/FFP)

Devil's Gate, Pasadena, California

Sample ID	Depth (ft. bgs)	Date	TPH		VOCs			SVOCs
			Diesel (FFP)	Hydraulic Oil/Motor Oil	Benzene	Toluene	1,2,4-Trimethylbenzene	bis(2-Ethylhexyl)phthalate
			mg/kg					
B-1-5	5	9/19/2011	ND	ND	**0.0044**	**0.0015**	ND	**0.058**
B-1-10	10	9/19/2011	ND	ND	**--**	--	--	ND
B-1-15	15	9/19/2011	ND	ND	**--**	--	--	ND
B-1-20	20	9/19/2011	ND	**20**	ND	ND	ND	ND
B-1-25	25	9/19/2011	**12**	**29**	--	--	--	**0.14**
B-3-5	5	9/19/2011	ND	ND	**0.0085**	**0.0036**	ND	ND
B-3-10	10	9/19/2011	ND	ND	**--**	--	--	ND
B-3-15	15	9/19/2011	ND	**18**	ND	ND	ND	ND
B-3-20	20	9/19/2011	ND	**16**	--	--	--	ND
B-3-25	25	9/19/2011	ND	ND	--	--	--	**0.046**
B-4-5	5	9/20/2011	ND	ND	**0.0043**	**0.0020**	ND	ND
B-4-10	10	9/20/2011	ND	ND	**--**	**--**	--	ND
B-4-15	15	9/20/2011	ND	**12**	**--**	**--**	--	ND
B-4-20	20	9/20/2011	**20**	**39**	ND	ND	ND	**0.13**
B-4-25	25	9/20/2011	ND	ND	ND	ND	ND	**0.13**
B-9-5	5	9/20/2011	ND	**21**	**0.0020**	ND	**0.0037**	ND
B-9-10	10	9/20/2011	ND	ND	**--**	--	--	ND
B-9-15	15	9/20/2011	ND	ND	**--**	--	--	ND
B-9-20	20	9/20/2011	ND	ND	**--**	--	--	ND
B-9-25	25	9/20/2011	ND	ND	**0.0039**	ND	ND	ND
B-9-30	30	9/20/2011	ND	ND	**--**	--	--	ND
B-3-5-D	5	9/19/2011	ND	ND	**--**	--	--	ND
B-9-10-D	10	9/20/2011	ND	ND	**--**	--	--	ND
B-4-10-D	10	9/20/2011	ND	ND	**--**	--	--	ND
RSL (Residential, mg/kg)			**NL**	**NL**	**1.1**	**5,000**	**62**	**35**
RSL (Industrial, mg/kg)			**NL**	**NL**	**5.4**	**45,000**	**260**	**120**
CHHSL (Residential, mg/kg)			**NL**	**NL**	**3.62**	**135,000**	**NL**	**NL**
CHHSL (Industrial, mg/kg)			**NL**	**NL**	**122**	**378,000**	**NL**	**NL**
TTLC (mg/kg)			**NL**	**NL**	**NL**	**NL**	**NL**	**NL**
10xSTLC (mg/L)			**NL**	**NL**	**NL**	**NL**	**NL**	**NL**
20xTCLP (mg/L)			**NL**	**NL**	**10**	**NL**	**NL**	**NL**
Protection of Groundwater, Risk-Based SSL (mg/kg)			**NL**	**NL**	**0.00021**	**1.6**	**0.021**	**1.1**

Notes:

TPH = Total petroleum hydrocarbons, analyzed by LUFT/Fuel Fingerprint Method

VOCs = Volatile organic compounds, analyzed by EPA Method 8260B

SVOCs = Semi-volatile organic compouds, analyzed by EPA Method 8270C

FFP = Fuel Fingerprint

mg/kg = Milligrams per kilogram

mg/L = Milligrams per liter

ND = The analyte was analyzed for, but not detected. The associated numerical value is at or below the reporting limit (RL).

ft = Feet

-- = Not analyzed

RSL = Regional Screening Level, U.S. EPA Regional Screening Levels for Chemical Contaminants at Superfund Sites dated June 2011

SSL = Site Screening Level

CHHSL = California Human Health Screening Levels, Cal EPA, Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties, January 1995

TTLC = Total Threshold Limit Concentration

STLC = Soluble Threshold Limit Concentration

TCLP = Toxicity Characteristic Leaching Procedure

NL = Not listed

D = Duplicate sample

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 10/10/2011

Michael Crews

Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Project:	Devils Gate
BC Work Order:	1115416
Invoice ID:	B108935

Enclosed are the results of analyses for samples received by the laboratory on 9/21/2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Tina Green
Client Services Manager

Authorized Signature

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Chain of Custody and Cooler Receipt Form for 1115416 Page 1 of 6

BC Laboratories, Inc.

Chain of Custody Form

CHK BY DISTRIBUTION SUB-OUT

Page 1 of 2

Report To:
Client: Leighton Consulting, Inc.
Attn: Vincent Lin / Robert Lofton
Street Address: 17781 Cowan, Suite 100
City, State, Zip: Irvine, CA, 92614
Phone: 213-982-1692 Fax: 213-892-1561
Email Address: VLin@leightongroup.com
Work Order #: 11-11-5416

Project #: 602324-001
Project Name: Rail Bank
Global ID #:
Sampler(s): Wallace Stevens
P. Babcock
Preserving Instructions:

Comments:
- Standard Turnaround
- Use 1 sleeve for the five analytes requested, archive the remaining sleeve for later.

Analysis Requested

Sample #	Description	Date Sampled	Time Sampled	Titles 22 Metals	Pesticides	SVOCs	TPH EPA	Sample Matrix: Soil, Drinking Water, Ground Water, Waste Water, Other	# Containers	Notes
B-1-5	2 sleeves per sample	-1	9/19/11 08:50	X	X	X	X	X	10	See comments
B-1-10	"	-2	" 08:55							
B-1-15	"	-3	" 09:00							
B-1-20	"	-4	" 09:05							
B-1-25	1 sleeve	-5	" 09:20							
B-3-5	1 sleeve	-6	" 10:05							
B-3-10	2 sleeves per sample	-7	" 10:07							
B-3-15	"	-8	" 10:10							
B-3-20	"	-9	" 10:25							
B-3-25	1 sleeve	-10	" 10:13							
B-4-30	2 sleeves per sample	-11	9/20/11 09:55							
B-4-5	"	-12	" 08:58							
B-4-10	1 sleeve	-13	" 09:05							
B-4-15	2 sleeves per sample	-14	" 09:09	↓	↓	↓	↓	↓	↓	

Billing: ☐ Same as above
Client: Leighton Consulting, Inc.
Address: 17781 Cowan
City: Irvine State CA Zip 92614
Attn: Accounts Payable
PO#: 602324-001

EDF Required? ☐ Yes ☐ No
Send Copy to State of CA? (EDT) ☐ Yes ☐ No

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab ☐ Archive Months

	Relinquished By	Date	Time	Received By
1.	Wallace Stevens	9-21-11	11:39	1. Paul Cox
2.	Paul Cox	9-21-11	21:05	2. [signature]
3.				3.

Special Reporting: ☐ QC ☐ EDF ☐ Raw Data

	Date	Time
1. Received By	9-21-11	11:40
2. Received By	9-21-11	21:05
3. Received By		

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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BC Laboratories, Inc.

Chain of Custody Form

Page 2 of 2

Report To:
Client: Leighton Consulting, Inc.
Attn: Vincent Lip / Robert Lorton
Street Address: 611 Wilshire Blvd, Suite 1404
City, State, Zip: LA, CA, 90017
Phone: 213-892-1682 Fax: 213-892-1583
Email Address: vip@leightongroup.com
Work Order #: 1115416

Project #: 60324-001
Project Name: Devil's Gate
Global ID #:
Sampler(s): W. Scoviers
P. Babcock
rlorton@leightongroup.

Analysis Requested

Comments:
- Standard Turnaround
- Use 1 sleeve for the four analyses requested, archive the remaining sleeve for later.

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No
* Standard Turnaround = 10 work days

Sample #	Description		Date Sampled	Time Sampled	Title 22 Metals	Pesticides	SVOCs	TPH	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
B-4-20	2 sleeves per sample	-15	9/20/11	09:15	X	X	X	X	X						10	See Comments
B-4-25	↓	-16		09:20												
B-4-5		-17		11:00												
B-4-10	1 sleeve	-18		11:03												
B-4-15	2 sleeves per sample	-19		11:07												
B-4-20	↓	-20		11:15												
B-4-25	1 sleeve	-21		11:40												
B-3-5-D		-22	9/19/10	10:05	X	X	X	X	X							
B-4-10-D		-23	9/20/10	09:05	X	X	X	X	X							
B-4-10-D	↓	-24	9/20/10	11:07	X	X	X	X	X							
		~~-25~~ BWT 9-22														

Billing ☐ Same as above
Client: Leighton Consulting, Inc.
Address: 17961 Cowan
City: Irvine State: CA Zip: 92614
Attn: Accounts Payable
PO#: 60324-001

EDF Required? ☐ Yes ☐ No
Send Copy to State of CA? (EDT) ☐ Yes ☐ No

Sample Disposal ☐ Return to Client ☐ Disposal by lab ☐ Archive: Months ____

Special Reporting ☐ QC ☐ EDF ☐ Raw Data

	Relinquished By	Date	Time		Received By	Date	Time
1.	Wallace Scoviers	9-21-11	11:39	1.	Idel Cruz	9-21-11	11:40
2.	Idel Cruz	9-21-11	21:05	2.	[signature]	9-21-11	2105
3.				3.			

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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Chain of Custody and Cooler Receipt Form for 1115416 Page 3 of 6

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 1 Of 4

Submission #: 11-15416

SHIPPING INFORMATION	SHIPPING CONTAINER
Federal Express ☐ UPS ☐ Hand Delivery ☐	Ice Chest ☑ None ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____	Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.95 Container: Soil Sleeve Thermometer ID: IR82 (IR01 2-21-11)

Temperature: A 1.8 °C / C 2.8 °C

Date/Time 9-21-11 2057

Analyst Init JNW

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE metal	AB	AB	AB	AB	A	A	AB	AB	AB	A
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: BLT Date/Time: 9-22-11@ 1100

A = Actual / C = Corrected

[H:\DOCS\WP60\LAB_DOCS\FORMS\SAMREC2.WPD]

Chain of Custody and Cooler Receipt Form for 1115416 Page 4 of 6

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 2 of 4

Submission #: 1115416

SHIPPING INFORMATION	SHIPPING CONTAINER
Federal Express ☐ UPS ☐ Hand Delivery ☐	Ice Chest ☑ None ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____	Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.9 * Container: Soil Sleeve Thermometer ID: 82 * 177 JNW 9-21-11

Temperature: A 0.3 °C / C 1.3 °C

Date/Time 9-21-11 2057

Analyst Init JNW

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10 20
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE metal	AB	AB	A	AB	AB	AB	AB	A	AB	AB
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: BLT Date/Time: 9-22-11 @ 1100

A = Actual / C = Corrected

[H:\DOCS\WPN\LAB_DOCS\FORMS\SAMREC2.WPD]

Chain of Custody and Cooler Receipt Form for 1115416 Page 5 of 6

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 3 of 4

Submission #: 11-15416

SHIPPING INFORMATION	SHIPPING CONTAINER
Federal Express ☐ UPS ☐ Hand Delivery ☐	Ice Chest ☑ None ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____	Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ (Intact? Yes ☐ No ☐) Containers ☐ (Intact? Yes ☐ No ☐) None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.9 * Container: Soil Sleeve Thermometer ID: 82 * 127 JNW 9-21-11

Temperature: A 0.3 °C / C 1.3 °C

Date/Time 9-21-11 2057

Analyst Init JNW

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	2₁	2₂	3	2₄	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT FE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
P1A PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE metal	A	A		A						
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: BLT Date/Time: 9-22-11 @ 1100

A = Actual / C = Corrected

(H:\DOCS\WP\BKLAB_DOCS\FORMS\SAMREC1.WPD)

Chain of Custody and Cooler Receipt Form for 1115416 Page 6 of 6

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 4 of 4

Submission #: 11-15416

SHIPPING INFORMATION	SHIPPING CONTAINER
Federal Express ☐ UPS ☐ Hand Delivery ☐	Ice Chest ☑ None ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____	Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.9 * Container: Soil Sleeve Thermometer ID: ~~199~~ 82 JK HOW 9-21-11

Temperature: A 1.8 °C / C 2.8 °C

Date/Time 9-21-11 2057

Analyst Init JWW

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	2 3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE metal			A							
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: BLT Date/Time: 9-22-11 @ 1100

A = Actual / C = Corrected

[K:\DOCS\WP0\LAB_DOCS\FORMS\SAMREC2.WP0]

Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1115416-01	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/19/2011 08:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-1-5	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-02	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/19/2011 08:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-1-10	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-03	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/19/2011 09:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-1-15	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-04	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/19/2011 09:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-1-20	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-05	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/19/2011 09:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-1-25	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-06	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/19/2011 10:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-3-5	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-07	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/19/2011 10:07
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-3-10	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil

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Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1115416-08	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/19/2011 10:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-3-15	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-09	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/19/2011 10:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-3-20	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-10	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/19/2011 10:43
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-3-25	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-11	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/20/2011 09:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-9-30	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-12	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/20/2011 08:58
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-9-5	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-13	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/20/2011 09:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-9-10	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-14	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/20/2011 09:09
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-9-15	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil

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Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1115416-15	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/20/2011 09:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-9-20	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-16	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/20/2011 09:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-9-25	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-17	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/20/2011 11:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-4-5	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-18	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/20/2011 11:03
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-4-10	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-19	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/20/2011 11:07
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-4-15	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-20	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/20/2011 11:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-4-20	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-21	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/20/2011 11:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-4-25	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil

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1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1115416-22	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/19/2011 10:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-3-5-D	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-23	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/20/2011 09:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-9-10-D	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
1115416-24	**COC Number:**	---	**Receive Date:**	09/21/2011 21:05
	Project Number:	---	**Sampling Date:**	09/20/2011 11:03
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-4-10-D	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil

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Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-01 | **Client Sample Name:** B-1-5, 9/19/2011 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	71.2	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	64.6	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 13:12	VH1	GC-1	1.017	BUJ0048

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Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

PCB Analysis (EPA Method 8082)

BCL Sample ID: 1115416-01 | **Client Sample Name:** B-1-5, 9/19/2011 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8082	ND		1
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8082	ND		1
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8082	ND		1
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8082	ND		1
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8082	ND		1
PCB-1260	ND	mg/kg	0.010	0.0022	EPA-8082	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1
Decachlorobiphenyl (Surrogate)	70.0	%	20 - 150 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/28/11	10/03/11 13:49	VH1	GC-14	1.003	BUJ0046

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Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-01 | **Client Sample Name:** B-1-5, 9/19/2011 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0044**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1

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Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-01 | **Client Sample Name:** B-1-5, 9/19/2011 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Toluene	**0.0015**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121 (LCL - UCL)		EPA-8260			1
Toluene-d8 (Surrogate)	98.2	%	81 - 117 (LCL - UCL)		EPA-8260			1
4-Bromofluorobenzene (Surrogate)	97.1	%	74 - 121 (LCL - UCL)		EPA-8260			1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-01 | **Client Sample Name:** B-1-5, 9/19/2011 8:50:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	09/26/11	09/27/11 06:33	ADC	MS-V3	1	BUI1646

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-01 | **Client Sample Name:** B-1-5, 9/19/2011 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	**0.058**	**mg/kg**	**0.20**	**0.043**	**EPA-8270C**	ND	**J**	1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-01 | **Client Sample Name:** B-1-5, 9/19/2011 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-01 | **Client Sample Name:** B-1-5, 9/19/2011 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	72.7	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	43.3	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	88.3	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	69.8	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	122	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	65.8	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/05/11 21:55	SKC	MS-B2	0.993	BUJ0343

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-01 | **Client Sample Name:** B-1-5, 9/19/2011 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	84.5	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 09:58	MWB	GC-13	1	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-01 | **Client Sample Name:** B-1-5, 9/19/2011 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**1.3**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**2.1**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**52**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.29**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.092**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**8.2**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**4.4**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**21**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**3.7**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.087**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND	**J**	2
Molybdenum	**0.27**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**4.7**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	0.063		1
Thallium	**0.91**	**mg/kg**	**5.0**	**0.73**	**EPA-6010B**	ND	**J**	1
Vanadium	**32**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**54**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.38		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/27/11	09/28/11 08:21	ARD	PE-OP1	1	BUI1739
2	EPA-7471A	09/26/11	09/28/11 13:02	MEV	CETAC1	0.977	BUI1659

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-02 | **Client Sample Name:** B-1-10, 9/19/2011 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	80.2	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	60.8	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 13:30	VH1	GC-1	1.017	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-02 | **Client Sample Name:** B-1-10, 9/19/2011 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-02 | **Client Sample Name:** B-1-10, 9/19/2011 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-02 | **Client Sample Name:** B-1-10, 9/19/2011 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	70.2	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	39.4	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	83.2	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	78.9	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	110	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	69.3	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/05/11 23:15	SKC	MS-B2	0.974	BUJ0343

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-02 | **Client Sample Name:** B-1-10, 9/19/2011 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	71.6	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 10:21	MWB	GC-13	0.990	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-02 | **Client Sample Name:** B-1-10, 9/19/2011 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**1.7**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**2.9**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**49**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.32**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.12**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**6.0**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**3.9**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**10**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**4.9**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.30**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND		2
Molybdenum	ND	mg/kg	2.5	0.25	EPA-6010B	ND		1
Nickel	**4.0**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	0.063		1
Thallium	ND	mg/kg	5.0	0.73	EPA-6010B	ND		1
Vanadium	**24**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**44**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.38		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/27/11	09/28/11 08:22	ARD	PE-OP1	1	BUI1739
2	EPA-7471A	09/26/11	09/28/11 13:04	MEV	CETAC1	0.977	BUI1659

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-03 | **Client Sample Name:** B-1-15, 9/19/2011 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	49.7	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	42.4	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 13:49	VH1	GC-1	1.010	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-03 | **Client Sample Name:** B-1-15, 9/19/2011 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-03 | **Client Sample Name:** B-1-15, 9/19/2011 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-03 | **Client Sample Name:** B-1-15, 9/19/2011 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	76.1	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	42.6	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	76.8	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	44.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	98.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	58.6	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/05/11 23:42	SKC	MS-B2	1.007	BUJ0343

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-03 | **Client Sample Name:** B-1-15, 9/19/2011 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	94.0	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 10:44	MWB	GC-13	1.014	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-03 | **Client Sample Name:** B-1-15, 9/19/2011 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**1.7**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**2.4**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**48**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.37**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.13**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**8.1**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**4.7**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**15**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**10**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.48**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND		2
Molybdenum	**0.34**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**5.3**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	0.063		1
Thallium	**0.86**	**mg/kg**	**5.0**	**0.73**	**EPA-6010B**	ND	**J**	1
Vanadium	**27**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**57**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.38		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/27/11	09/28/11 08:24	ARD	PE-OP1	1	BUI1739
2	EPA-7471A	09/26/11	09/28/11 13:06	MEV	CETAC1	0.977	BUI1659

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-04 | **Client Sample Name:** B-1-20, 9/19/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	55.6	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	36.6	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 14:07	VH1	GC-1	1.007	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-04 | **Client Sample Name:** B-1-20, 9/19/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-04 | **Client Sample Name:** B-1-20, 9/19/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)		EPA-8260			1
Toluene-d8 (Surrogate)	98.7	%	81 - 117 (LCL - UCL)		EPA-8260			1
4-Bromofluorobenzene (Surrogate)	95.3	%	74 - 121 (LCL - UCL)		EPA-8260			1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-04 | **Client Sample Name:** B-1-20, 9/19/2011 9:05:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	09/26/11	09/27/11 06:59	ADC	MS-V3	1	BUI1646

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-04 | **Client Sample Name:** B-1-20, 9/19/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Acenaphthylene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Aldrin	ND	mg/kg	0.50	0.12	EPA-8270C	ND	A10	1
Aniline	ND	mg/kg	1.0	0.26	EPA-8270C	ND	A10	1
Anthracene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Benzidine	ND	mg/kg	15	1.1	EPA-8270C	ND	A10	1
Benzo[a]anthracene	ND	mg/kg	0.50	0.060	EPA-8270C	ND	A10	1
Benzo[b]fluoranthene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Benzo[k]fluoranthene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Benzo[a]pyrene	ND	mg/kg	0.50	0.075	EPA-8270C	ND	A10	1
Benzo[g,h,i]perylene	ND	mg/kg	0.50	0.28	EPA-8270C	ND	A10	1
Benzoic acid	ND	mg/kg	2.5	0.34	EPA-8270C	ND	A10	1
Benzyl alcohol	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Benzyl butyl phthalate	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
alpha-BHC	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
beta-BHC	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
delta-BHC	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
bis(2-Chloroethyl) ether	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	1.0	0.22	EPA-8270C	ND	A10	1
4-Bromophenyl phenyl ether	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
4-Chloroaniline	ND	mg/kg	0.50	0.14	EPA-8270C	ND	A10	1
2-Chloronaphthalene	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.50	0.075	EPA-8270C	ND	A10	1
Chrysene	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
4,4'-DDD	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
4,4'-DDE	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
4,4'-DDT	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Dibenzofuran	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
1,2-Dichlorobenzene	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-04 | **Client Sample Name:** B-1-20, 9/19/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
1,4-Dichlorobenzene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
3,3-Dichlorobenzidine	ND	mg/kg	1.0	0.034	EPA-8270C	ND	A10	1
Dieldrin	ND	mg/kg	0.50	0.16	EPA-8270C	ND	A10	1
Diethyl phthalate	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Dimethyl phthalate	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Di-n-butyl phthalate	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
2,4-Dinitrotoluene	ND	mg/kg	0.50	0.11	EPA-8270C	ND	A10	1
2,6-Dinitrotoluene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Di-n-octyl phthalate	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
1,2-Diphenylhydrazine	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Endosulfan I	ND	mg/kg	1.0	0.10	EPA-8270C	ND	A10	1
Endosulfan II	ND	mg/kg	1.0	0.10	EPA-8270C	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Endrin	ND	mg/kg	1.0	0.12	EPA-8270C	ND	A10	1
Endrin aldehyde	ND	mg/kg	2.5	0.11	EPA-8270C	ND	A10	1
Fluoranthene	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
Fluorene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Heptachlor	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
Hexachlorobenzene	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
Hexachlorobutadiene	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
Hexachlorocyclopentadiene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Hexachloroethane	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.50	0.36	EPA-8270C	ND	A10	1
Isophorone	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
2-Methylnaphthalene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Naphthalene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
2-Naphthylamine	ND	mg/kg	15	0.80	EPA-8270C	ND	A10	1
2-Nitroaniline	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
3-Nitroaniline	ND	mg/kg	1.0	0.075	EPA-8270C	ND	A10	1
4-Nitroaniline	ND	mg/kg	1.0	0.12	EPA-8270C	ND	A10	1
Nitrobenzene	ND	mg/kg	0.50	0.075	EPA-8270C	ND	A10	1

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1 Technology Drive, Suite F207
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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-04 | **Client Sample Name:** B-1-20, 9/19/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.50	0.18	EPA-8270C	ND	A10	1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
N-Nitrosodiphenylamine	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Phenanthrene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Pyrene	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
1,2,4-Trichlorobenzene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
4-Chloro-3-methylphenol	ND	mg/kg	1.0	0.11	EPA-8270C	ND	A10	1
2-Chlorophenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
2,4-Dichlorophenol	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
2,4-Dimethylphenol	ND	mg/kg	0.50	0.18	EPA-8270C	ND	A10	1
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.5	0.060	EPA-8270C	ND	A10	1
2,4-Dinitrophenol	ND	mg/kg	2.5	0.038	EPA-8270C	ND	A10	1
2-Methylphenol	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
3- & 4-Methylphenol	ND	mg/kg	1.0	0.16	EPA-8270C	ND	A10	1
2-Nitrophenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
4-Nitrophenol	ND	mg/kg	1.0	0.090	EPA-8270C	ND	A10	1
Pentachlorophenol	ND	mg/kg	1.0	0.065	EPA-8270C	ND	A10	1
Phenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
2,4,5-Trichlorophenol	ND	mg/kg	1.0	0.090	EPA-8270C	ND	A10	1
2,4,6-Trichlorophenol	ND	mg/kg	1.0	0.085	EPA-8270C	ND	A10	1
2-Fluorophenol (Surrogate)	70.5	%	28 - 144 (LCL - UCL)		EPA-8270C		A10	1
Phenol-d5 (Surrogate)	43.0	%	36 - 136 (LCL - UCL)		EPA-8270C		A10	1
Nitrobenzene-d5 (Surrogate)	80.8	%	31 - 135 (LCL - UCL)		EPA-8270C		A10	1
2-Fluorobiphenyl (Surrogate)	66.1	%	20 - 140 (LCL - UCL)		EPA-8270C		A10	1
2,4,6-Tribromophenol (Surrogate)	116	%	20 - 150 (LCL - UCL)		EPA-8270C		A10	1
p-Terphenyl-d14 (Surrogate)	97.6	%	10 - 150 (LCL - UCL)		EPA-8270C		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/06/11 00:08	SKC	MS-B2	5.034	BUJ0343

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-04 | **Client Sample Name:** B-1-20, 9/19/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	**20**	**mg/kg**	**20**	**6.5**	**Luft/FFP**	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	34.4	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 11:06	MWB	GC-13	1.007	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-04 | **Client Sample Name:** B-1-20, 9/19/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**1.4**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**1.5**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**49**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.26**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.12**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**7.1**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**3.6**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**21**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**8.8**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.18**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND		2
Molybdenum	ND	mg/kg	2.5	0.25	EPA-6010B	ND		1
Nickel	**4.6**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	0.063		1
Thallium	ND	mg/kg	5.0	0.73	EPA-6010B	ND		1
Vanadium	**21**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**46**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.38		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/27/11	09/28/11 08:25	ARD	PE-OP1	1	BUI1739
2	EPA-7471A	09/26/11	09/28/11 13:08	MEV	CETAC1	0.977	BUI1659

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-05 | **Client Sample Name:** B-1-25, 9/19/2011 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	85.1	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	85.6	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 14:25	VH1	GC-1	0.997	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-05 | **Client Sample Name:** B-1-25, 9/19/2011 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	**0.14**	**mg/kg**	**0.20**	**0.043**	**EPA-8270C**	ND	**J**	1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-05 | **Client Sample Name:** B-1-25, 9/19/2011 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-05 | **Client Sample Name:** B-1-25, 9/19/2011 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	74.4	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	42.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	88.8	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	86.5	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	122	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	71.8	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/06/11 00:34	SKC	MS-B2	1.007	BUJ0343

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-05 | **Client Sample Name:** B-1-25, 9/19/2011 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	**12**	**mg/kg**	**10**	**1.2**	**Luft/FFP**	ND	**A52**	1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	**29**	**mg/kg**	**20**	**6.5**	**Luft/FFP**	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	72.1	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 11:29	MWB	GC-13	0.997	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-05 | **Client Sample Name:** B-1-25, 9/19/2011 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**1.2**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**2.7**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**55**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.29**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.083**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**9.6**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**3.1**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**19**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**7.8**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.22**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND		2
Molybdenum	**0.95**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**3.4**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.73	EPA-6010B	ND		1
Vanadium	**17**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**43**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 05:40	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/26/11	09/28/11 13:10	MEV	CETAC1	0.977	BUI1659

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-06 | **Client Sample Name:** B-3-5, 9/19/2011 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	78.6	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	75.6	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 14:43	VH1	GC-1	1.010	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-06 | **Client Sample Name:** B-3-5, 9/19/2011 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0085**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260**	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-06 | **Client Sample Name:** B-3-5, 9/19/2011 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Toluene	**0.0036**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121 (LCL - UCL)		EPA-8260			1
Toluene-d8 (Surrogate)	97.5	%	81 - 117 (LCL - UCL)		EPA-8260			1
4-Bromofluorobenzene (Surrogate)	96.8	%	74 - 121 (LCL - UCL)		EPA-8260			1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-06 | **Client Sample Name:** B-3-5, 9/19/2011 10:05:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	09/26/11	09/27/11 07:26	ADC	MS-V3	1	BUI1646

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-06 | **Client Sample Name:** B-3-5, 9/19/2011 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-06 | **Client Sample Name:** B-3-5, 9/19/2011 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-06 | **Client Sample Name:** B-3-5, 9/19/2011 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	107	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	50.8	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	104	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	93.2	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	116	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	101	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 16:04	SKC	MS-B1	0.987	BUJ0343

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-06 | **Client Sample Name:** B-3-5, 9/19/2011 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	82.2	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 12:32	MWB	GC-13	1.010	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-06 | **Client Sample Name:** B-3-5, 9/19/2011 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**1.1**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**1.7**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**37**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.23**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.074**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**5.6**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**3.0**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**8.0**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**3.6**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.18**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND		2
Molybdenum	ND	mg/kg	2.5	0.25	EPA-6010B	ND		1
Nickel	**3.4**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.73	EPA-6010B	ND		1
Vanadium	**16**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**29**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 05:49	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/26/11	09/28/11 13:13	MEV	CETAC1	0.977	BUI1659

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1 Technology Drive, Suite F207
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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-07 | **Client Sample Name:** B-3-10, 9/19/2011 10:07:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	99.1	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	86.9	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 15:56	VH1	GC-1	1.014	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-07 | **Client Sample Name:** B-3-10, 9/19/2011 10:07:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-07 | **Client Sample Name:** B-3-10, 9/19/2011 10:07:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-07 | **Client Sample Name:** B-3-10, 9/19/2011 10:07:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	110	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	53.4	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	106	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	88.4	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	105	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	88.8	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 16:31	SKC	MS-B1	1	BUJ0343

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-07 | **Client Sample Name:** B-3-10, 9/19/2011 10:07:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	118	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 14:47	MWB	GC-13	1.014	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-07 | **Client Sample Name:** B-3-10, 9/19/2011 10:07:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**1.0**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**2.3**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**49**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.30**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.090**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**8.8**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**4.1**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**13**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**5.5**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.095**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND	**J**	2
Molybdenum	ND	mg/kg	2.5	0.25	EPA-6010B	ND		1
Nickel	**4.9**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.73	EPA-6010B	ND		1
Vanadium	**24**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**36**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 05:56	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/26/11	09/28/11 13:15	MEV	CETAC1	0.962	BUI1659

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-08 | **Client Sample Name:** B-3-15, 9/19/2011 10:10:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	87.5	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	74.7	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 16:14	VH1	GC-1	0.987	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-08 | **Client Sample Name:** B-3-15, 9/19/2011 10:10:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-08 | **Client Sample Name:** B-3-15, 9/19/2011 10:10:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260			1
Toluene-d8 (Surrogate)	98.8	%	81 - 117 (LCL - UCL)		EPA-8260			1
4-Bromofluorobenzene (Surrogate)	98.3	%	74 - 121 (LCL - UCL)		EPA-8260			1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-08 | **Client Sample Name:** B-3-15, 9/19/2011 10:10:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	09/26/11	09/27/11 07:52	ADC	MS-V3	1	BUI1646

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Gannett Fleming, Inc
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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-08 | **Client Sample Name:** B-3-15, 9/19/2011 10:10:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-08 | **Client Sample Name:** B-3-15, 9/19/2011 10:10:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-08 | **Client Sample Name:** B-3-15, 9/19/2011 10:10:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	75.8	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	43.1	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	84.9	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	75.9	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	94.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	90.0	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 16:56	SKC	MS-B1	0.993	BUJ0343

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-08 | **Client Sample Name:** B-3-15, 9/19/2011 10:10:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	**18**	**mg/kg**	**20**	**6.5**	**Luft/FFP**	ND	**J**	1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	75.1	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 15:10	MWB	GC-13	1.007	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-08 | **Client Sample Name:** B-3-15, 9/19/2011 10:10:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.50	EPA-6010B	ND		1
Arsenic	**1.2**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**24**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.19**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Chromium	**3.4**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**2.1**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Copper	**11**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**2.2**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Mercury	**0.19**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND		2
Molybdenum	ND	mg/kg	2.5	0.25	EPA-6010B	ND		1
Nickel	**2.0**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.73	EPA-6010B	ND		1
Vanadium	**13**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**25**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 05:58	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/26/11	09/28/11 13:17	MEV	CETAC1	0.977	BUI1659

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-09 | **Client Sample Name:** B-3-20, 9/19/2011 10:25:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	56.6	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	49.1	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 16:32	VH1	GC-1	1.014	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-09 | **Client Sample Name:** B-3-20, 9/19/2011 10:25:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-09 | **Client Sample Name:** B-3-20, 9/19/2011 10:25:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-09 | **Client Sample Name:** B-3-20, 9/19/2011 10:25:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	82.5	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	43.7	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	76.6	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	38.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	64.3	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	65.9	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 17:21	SKC	MS-B1	1.010	BUJ0343

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-09 | **Client Sample Name:** B-3-20, 9/19/2011 10:25:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	**16**	**mg/kg**	**20**	**6.5**	**Luft/FFP**	ND	**J**	1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	71.9	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 15:33	MWB	GC-13	0.984	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-09 | **Client Sample Name:** B-3-20, 9/19/2011 10:25:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**2.0**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**3.2**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**130**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.35**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.12**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**14**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**7.0**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**43**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**8.1**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.14**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND	**J**	2
Molybdenum	**0.84**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**7.8**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Thallium	**1.3**	**mg/kg**	**5.0**	**0.73**	**EPA-6010B**	ND	**J**	1
Vanadium	**36**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**72**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 05:59	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/26/11	09/28/11 13:19	MEV	CETAC1	0.962	BUI1659

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-10 | **Client Sample Name:** B-3-25, 9/19/2011 10:43:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	59.4	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	50.8	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 16:50	VH1	GC-1	1	BUJ0048

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-10 | **Client Sample Name:** B-3-25, 9/19/2011 10:43:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	**0.046**	**mg/kg**	**0.20**	**0.043**	**EPA-8270C**	ND	**J**	1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-10 | **Client Sample Name:** B-3-25, 9/19/2011 10:43:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-10 | **Client Sample Name:** B-3-25, 9/19/2011 10:43:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	92.7	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	48.4	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	95.2	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	65.9	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	94.0	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	87.0	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 17:47	SKC	MS-B1	0.997	BUJ0343

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Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-10 | **Client Sample Name:** B-3-25, 9/19/2011 10:43:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	59.2	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 15:56	MWB	GC-13	1.017	BUJ0256

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-10 | **Client Sample Name:** B-3-25, 9/19/2011 10:43:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.86**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**2.4**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**72**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.28**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.053**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**9.1**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**4.0**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**17**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**3.5**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.11**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND	**J**	2
Molybdenum	**0.57**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**4.6**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Thallium	**0.86**	**mg/kg**	**5.0**	**0.73**	**EPA-6010B**	ND	**J**	1
Vanadium	**22**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**38**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 06:00	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/26/11	09/28/11 13:21	MEV	CETAC1	0.962	BUI1659

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-11 | **Client Sample Name:** B-9-30, 9/20/2011 9:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	66.9	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	57.3	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 17:08	VH1	GC-1	1.014	BUJ0048

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-11 | **Client Sample Name:** B-9-30, 9/20/2011 9:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-11 | **Client Sample Name:** B-9-30, 9/20/2011 9:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-11 | **Client Sample Name:** B-9-30, 9/20/2011 9:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	94.6	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	49.0	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	105	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	71.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	89.9	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	97.6	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 18:12	SKC	MS-B1	1	BUJ0343

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-11 | **Client Sample Name:** B-9-30, 9/20/2011 9:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	75.7	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 16:20	MWB	GC-13	1	BUJ0256

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1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-11 | **Client Sample Name:** B-9-30, 9/20/2011 9:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.66**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**1.1**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**38**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.28**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.079**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**5.6**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**3.4**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**18**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**2.8**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.26**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND		2
Molybdenum	ND	mg/kg	2.5	0.25	EPA-6010B	ND		1
Nickel	**3.7**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.73	EPA-6010B	ND		1
Vanadium	**20**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**35**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 06:02	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/26/11	09/28/11 13:28	MEV	CETAC1	0.962	BUI1659

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-12 | **Client Sample Name:** B-9-5, 9/20/2011 8:58:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	**0.0015**	**mg/kg**	**0.00050**	**0.000045**	**EPA-8081**	ND		1
4,4'-DDT	**0.00059**	**mg/kg**	**0.00050**	**0.000031**	**EPA-8081**	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	67.0	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	55.2	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 17:26	VH1	GC-1	0.993	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

PCB Analysis (EPA Method 8082)

BCL Sample ID: 1115416-12 | **Client Sample Name:** B-9-5, 9/20/2011 8:58:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8082	ND		1
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8082	ND		1
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8082	ND		1
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8082	ND		1
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8082	ND		1
PCB-1260	ND	mg/kg	0.010	0.0022	EPA-8082	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1
Decachlorobiphenyl (Surrogate)	40.0	%	20 - 150 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/28/11	10/03/11 14:03	VH1	GC-14	0.997	BUJ0046

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-12 | **Client Sample Name:** B-9-5, 9/20/2011 8:58:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0020**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-12 | **Client Sample Name:** B-9-5, 9/20/2011 8:58:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,2,4-Trimethylbenzene	**0.0037**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260**	ND	**J**	1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260			1
Toluene-d8 (Surrogate)	99.1	%	81 - 117 (LCL - UCL)		EPA-8260			1
4-Bromofluorobenzene (Surrogate)	92.6	%	74 - 121 (LCL - UCL)		EPA-8260			1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-12 | **Client Sample Name:** B-9-5, 9/20/2011 8:58:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	09/26/11	09/27/11 08:19	ADC	MS-V3	1	BUI1646

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-12 | **Client Sample Name:** B-9-5, 9/20/2011 8:58:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-12 | **Client Sample Name:** B-9-5, 9/20/2011 8:58:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-12 | **Client Sample Name:** B-9-5, 9/20/2011 8:58:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	65.9	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	40.3	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	89.6	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	69.2	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	76.1	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	89.2	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 18:38	SKC	MS-B1	0.984	BUJ0343

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-12 | **Client Sample Name:** B-9-5, 9/20/2011 8:58:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	**21**	**mg/kg**	**20**	**6.5**	**Luft/FFP**	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	76.8	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 16:43	MWB	GC-13	0.997	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-12 | **Client Sample Name:** B-9-5, 9/20/2011 8:58:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**2.7**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**4.3**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**160**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.77**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cadmium	**0.21**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**23**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**11**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**31**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**21**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.26**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND		2
Molybdenum	**0.88**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**15**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Thallium	**2.1**	**mg/kg**	**5.0**	**0.73**	**EPA-6010B**	ND	**J**	1
Vanadium	**51**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**99**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 06:05	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/26/11	09/28/11 13:30	MEV	CETAC1	0.962	BUI1659

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-13 | **Client Sample Name:** B-9-10, 9/20/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	76.7	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	86.1	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 17:44	VH1	GC-1	1.007	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-13 | **Client Sample Name:** B-9-10, 9/20/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-13 | **Client Sample Name:** B-9-10, 9/20/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-13 | **Client Sample Name:** B-9-10, 9/20/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	88.2	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	47.4	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	96.0	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	83.2	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	86.6	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	96.1	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 19:05	SKC	MS-B1	1.017	BUJ0343

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-13 | **Client Sample Name:** B-9-10, 9/20/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	90.0	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/06/11 19:57	MWB	GC-13	1.003	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-13 | **Client Sample Name:** B-9-10, 9/20/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.91**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**1.6**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**40**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.26**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.096**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**5.7**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**3.4**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**12**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**4.3**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.085**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND	**J**	2
Molybdenum	**0.28**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**3.3**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.73	EPA-6010B	ND		1
Vanadium	**20**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**30**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 06:04	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/26/11	09/28/11 13:32	MEV	CETAC1	0.977	BUI1659

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-14 | **Client Sample Name:** B-9-15, 9/20/2011 9:09:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	30.6	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	32.7	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 18:03	VH1	GC-1	1.014	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-14 | **Client Sample Name:** B-9-15, 9/20/2011 9:09:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-14 | **Client Sample Name:** B-9-15, 9/20/2011 9:09:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-14 | **Client Sample Name:** B-9-15, 9/20/2011 9:09:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	65.4	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	40.0	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	63.1	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	22.2	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	46.9	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	74.9	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 19:31	SKC	MS-B1	0.987	BUJ0343

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-14 | **Client Sample Name:** B-9-15, 9/20/2011 9:09:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	82.1	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/06/11 20:20	MWB	GC-13	0.990	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-14 | **Client Sample Name:** B-9-15, 9/20/2011 9:09:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**2.6**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**3.8**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**110**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.86**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cadmium	**0.17**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**18**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**8.5**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**28**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**9.7**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.31**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND		2
Molybdenum	**0.52**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**12**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	**0.15**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Thallium	**1.3**	**mg/kg**	**5.0**	**0.73**	**EPA-6010B**	ND	**J**	1
Vanadium	**40**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**70**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 07:29	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/26/11	09/28/11 13:34	MEV	CETAC1	0.962	BUI1659

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1 Technology Drive, Suite F207
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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-15 | **Client Sample Name:** B-9-20, 9/20/2011 9:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	68.4	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	53.4	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 18:21	VH1	GC-1	0.987	BUJ0048

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1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-15 | **Client Sample Name:** B-9-20, 9/20/2011 9:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-15 | **Client Sample Name:** B-9-20, 9/20/2011 9:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-15 | **Client Sample Name:** B-9-20, 9/20/2011 9:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	109	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	55.9	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	107	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	79.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	110	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	129	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 19:57	SKC	MS-B1	1.007	BUJ0343

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-15 | **Client Sample Name:** B-9-20, 9/20/2011 9:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	75.5	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/06/11 20:43	MWB	GC-13	0.984	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-15 | **Client Sample Name:** B-9-20, 9/20/2011 9:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**1.1**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**1.4**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**58**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.29**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.073**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**8.1**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**4.5**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**13**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**2.9**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.10**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND	**J**	2
Molybdenum	ND	mg/kg	2.5	0.25	EPA-6010B	ND		1
Nickel	**5.0**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Thallium	**0.79**	**mg/kg**	**5.0**	**0.73**	**EPA-6010B**	ND	**J**	1
Vanadium	**24**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**37**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 07:30	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/26/11	09/28/11 13:36	MEV	CETAC1	0.977	BUI1659

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-16 | **Client Sample Name:** B-9-25, 9/20/2011 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	30.9	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	36.7	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 18:39	VH1	GC-1	0.990	BUJ0048

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-16 | **Client Sample Name:** B-9-25, 9/20/2011 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0039**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-16 | **Client Sample Name:** B-9-25, 9/20/2011 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260			1
Toluene-d8 (Surrogate)	97.3	%	81 - 117 (LCL - UCL)		EPA-8260			1
4-Bromofluorobenzene (Surrogate)	85.1	%	74 - 121 (LCL - UCL)		EPA-8260			1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-16 | **Client Sample Name:** B-9-25, 9/20/2011 9:20:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	09/26/11	09/27/11 08:45	ADC	MS-V3	1	BUI1646

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-16 | **Client Sample Name:** B-9-25, 9/20/2011 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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1 Technology Drive, Suite F207
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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-16 | **Client Sample Name:** B-9-25, 9/20/2011 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-16 | **Client Sample Name:** B-9-25, 9/20/2011 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	61.9	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	37.6	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	53.7	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	13.2	%	20 - 140 (LCL - UCL)		EPA-8270C		S09	1
2,4,6-Tribromophenol (Surrogate)	27.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	52.0	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 20:23	SKC	MS-B1	1.014	BUJ0343

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-16 | **Client Sample Name:** B-9-25, 9/20/2011 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	79.9	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/06/11 21:06	MWB	GC-13	0.997	BUJ0256

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-16 | **Client Sample Name:** B-9-25, 9/20/2011 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**3.0**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**3.7**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**160**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.76**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cadmium	**0.21**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**21**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**10**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**30**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**19**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.26**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND		2
Molybdenum	**0.77**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**14**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	**0.10**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Thallium	**1.8**	**mg/kg**	**5.0**	**0.73**	**EPA-6010B**	ND	**J**	1
Vanadium	**52**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**96**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 07:45	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/26/11	09/28/11 13:38	MEV	CETAC1	0.977	BUI1659

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-17 | **Client Sample Name:** B-4-5, 9/20/2011 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	85.3	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	81.2	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 19:53	VH1	GC-1	1.003	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-17 | **Client Sample Name:** B-4-5, 9/20/2011 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0043**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-17 | **Client Sample Name:** B-4-5, 9/20/2011 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Toluene	**0.0020**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
1,2-Dichloroethane-d4 (Surrogate)	109	%	70 - 121 (LCL - UCL)		EPA-8260			1
Toluene-d8 (Surrogate)	97.8	%	81 - 117 (LCL - UCL)		EPA-8260			1
4-Bromofluorobenzene (Surrogate)	91.6	%	74 - 121 (LCL - UCL)		EPA-8260			1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-17 | **Client Sample Name:** B-4-5, 9/20/2011 11:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	09/26/11	09/27/11 09:12	ADC	MS-V3	1	BUI1646

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-17 | **Client Sample Name:** B-4-5, 9/20/2011 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-17 | **Client Sample Name:** B-4-5, 9/20/2011 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-17 | **Client Sample Name:** B-4-5, 9/20/2011 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	103	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	58.0	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	110	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	81.5	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	105	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	114	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 20:50	SKC	MS-B1	0.997	BUJ0343

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Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-17 | **Client Sample Name:** B-4-5, 9/20/2011 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	79.8	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/06/11 23:23	MWB	GC-13	1.003	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-17 | **Client Sample Name:** B-4-5, 9/20/2011 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**1.2**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**2.0**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**55**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.28**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.11**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**7.8**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**4.1**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**17**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**4.9**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.14**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND	**J**	2
Molybdenum	ND	mg/kg	2.5	0.25	EPA-6010B	ND		1
Nickel	**4.7**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.73	EPA-6010B	ND		1
Vanadium	**25**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**40**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 07:46	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/27/11	09/30/11 10:37	MEV	CETAC1	0.992	BUI1770

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-18 | **Client Sample Name:** B-4-10, 9/20/2011 11:03:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	94.6	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	94.9	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 20:11	VH1	GC-1	0.984	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-18 | **Client Sample Name:** B-4-10, 9/20/2011 11:03:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-18 | **Client Sample Name:** B-4-10, 9/20/2011 11:03:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-18 | **Client Sample Name:** B-4-10, 9/20/2011 11:03:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	109	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	55.7	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	118	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	102	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	107	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	136	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 21:16	SKC	MS-B1	1.017	BUJ0343

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-18 | **Client Sample Name:** B-4-10, 9/20/2011 11:03:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	73.4	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/06/11 23:46	MWB	GC-13	1.003	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-18 | **Client Sample Name:** B-4-10, 9/20/2011 11:03:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.50	EPA-6010B	ND		1
Arsenic	**2.1**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**39**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.21**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.065**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**7.4**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**3.6**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**11**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**3.3**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.20**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND		2
Molybdenum	**0.30**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**4.0**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.73	EPA-6010B	ND		1
Vanadium	**28**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**32**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 07:52	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/27/11	09/30/11 10:39	MEV	CETAC1	0.992	BUI1770

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-19 | **Client Sample Name:** B-4-15, 9/20/2011 11:07:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	90.0	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	88.8	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 20:29	VH1	GC-1	1.010	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-19 | **Client Sample Name:** B-4-15, 9/20/2011 11:07:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-19 | **Client Sample Name:** B-4-15, 9/20/2011 11:07:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-19 | **Client Sample Name:** B-4-15, 9/20/2011 11:07:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	111	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	56.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	120	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	92.6	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	107	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	132	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 21:42	SKC	MS-B1	1.010	BUJ0343

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-19 | **Client Sample Name:** B-4-15, 9/20/2011 11:07:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	**12**	**mg/kg**	**20**	**6.5**	**Luft/FFP**	ND	**J**	1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	77.4	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 00:09	MWB	GC-13	1.007	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-19 | **Client Sample Name:** B-4-15, 9/20/2011 11:07:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.81**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**2.3**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**40**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.22**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.062**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**10**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**2.9**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**8.6**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**3.0**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.14**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND	**J**	2
Molybdenum	ND	mg/kg	2.5	0.25	EPA-6010B	ND		1
Nickel	**2.7**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.73	EPA-6010B	ND		1
Vanadium	**25**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**28**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 07:54	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/27/11	09/30/11 10:41	MEV	CETAC1	0.977	BUI1770

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1 Technology Drive, Suite F207
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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-20 | **Client Sample Name:** B-4-20, 9/20/2011 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00088	0.000046	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00088	0.00025	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00088	0.00067	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00088	0.00013	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00088	0.00044	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.088	0.026	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00088	0.00011	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00088	0.000079	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00088	0.000055	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00088	0.000056	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00088	0.00015	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00088	0.00012	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00088	0.00023	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00088	0.000062	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00088	0.00011	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00088	0.00046	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00088	0.00026	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00088	0.00023	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.088	0.013	EPA-8081	ND		1
TCMX (Surrogate)	95.4	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	84.5	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 20:48	VH1	GC-1	1.765	BUJ0048

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

PCB Analysis (EPA Method 8082)

BCL Sample ID: 1115416-20 | **Client Sample Name:** B-4-20, 9/20/2011 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.017	0.0046	EPA-8082	ND		1
PCB-1221	ND	mg/kg	0.017	0.0084	EPA-8082	ND		1
PCB-1232	ND	mg/kg	0.017	0.0020	EPA-8082	ND		1
PCB-1242	ND	mg/kg	0.017	0.0027	EPA-8082	ND		1
PCB-1248	ND	mg/kg	0.017	0.0020	EPA-8082	ND		1
PCB-1254	ND	mg/kg	0.017	0.0013	EPA-8082	ND		1
PCB-1260	ND	mg/kg	0.017	0.0037	EPA-8082	ND		1
Total PCB's (Summation)	ND	mg/kg	0.017	0.0084	EPA-8082	ND		1
Decachlorobiphenyl (Surrogate)	100	%	20 - 150 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/28/11	10/03/11 14:17	VH1	GC-14	1.685	BUJ0046

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-20 | **Client Sample Name:** B-4-20, 9/20/2011 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-20 | **Client Sample Name:** B-4-20, 9/20/2011 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)		EPA-8260			1
Toluene-d8 (Surrogate)	99.4	%	81 - 117 (LCL - UCL)		EPA-8260			1
4-Bromofluorobenzene (Surrogate)	97.7	%	74 - 121 (LCL - UCL)		EPA-8260			1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1115416-20 | **Client Sample Name:** B-4-20, 9/20/2011 11:15:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	09/26/11	09/27/11 09:38	ADC	MS-V3	1	BUI1646

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-20 | **Client Sample Name:** B-4-20, 9/20/2011 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.18	0.032	EPA-8270C	ND	A11	1
Acenaphthylene	ND	mg/kg	0.18	0.034	EPA-8270C	ND	A11	1
Aldrin	ND	mg/kg	0.18	0.042	EPA-8270C	ND	A11	1
Aniline	ND	mg/kg	0.35	0.094	EPA-8270C	ND	A11	1
Anthracene	ND	mg/kg	0.18	0.032	EPA-8270C	ND	A11	1
Benzidine	ND	mg/kg	5.3	0.39	EPA-8270C	ND	A11	1
Benzo[a]anthracene	ND	mg/kg	0.18	0.021	EPA-8270C	ND	A11	1
Benzo[b]fluoranthene	ND	mg/kg	0.18	0.032	EPA-8270C	ND	A11	1
Benzo[k]fluoranthene	ND	mg/kg	0.18	0.034	EPA-8270C	ND	A11	1
Benzo[a]pyrene	ND	mg/kg	0.18	0.026	EPA-8270C	ND	A11	1
Benzo[g,h,i]perylene	ND	mg/kg	0.18	0.099	EPA-8270C	ND	A11	1
Benzoic acid	ND	mg/kg	0.88	0.12	EPA-8270C	ND	A11	1
Benzyl alcohol	ND	mg/kg	0.18	0.032	EPA-8270C	ND	A11	1
Benzyl butyl phthalate	ND	mg/kg	0.18	0.037	EPA-8270C	ND	A11	1
alpha-BHC	ND	mg/kg	0.18	0.032	EPA-8270C	ND	A11	1
beta-BHC	ND	mg/kg	0.18	0.037	EPA-8270C	ND	A11	1
delta-BHC	ND	mg/kg	0.18	0.032	EPA-8270C	ND	A11	1
gamma-BHC (Lindane)	ND	mg/kg	0.18	0.030	EPA-8270C	ND	A11	1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.18	0.030	EPA-8270C	ND	A11	1
bis(2-Chloroethyl) ether	ND	mg/kg	0.18	0.028	EPA-8270C	ND	A11	1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.18	0.037	EPA-8270C	ND	A11	1
bis(2-Ethylhexyl)phthalate	**0.13**	**mg/kg**	**0.35**	**0.076**	**EPA-8270C**	ND	**J,A11**	1
4-Bromophenyl phenyl ether	ND	mg/kg	0.18	0.030	EPA-8270C	ND	A11	1
4-Chloroaniline	ND	mg/kg	0.18	0.048	EPA-8270C	ND	A11	1
2-Chloronaphthalene	ND	mg/kg	0.18	0.035	EPA-8270C	ND	A11	1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.18	0.026	EPA-8270C	ND	A11	1
Chrysene	ND	mg/kg	0.18	0.030	EPA-8270C	ND	A11	1
4,4'-DDD	ND	mg/kg	0.18	0.030	EPA-8270C	ND	A11	1
4,4'-DDE	ND	mg/kg	0.18	0.030	EPA-8270C	ND	A11	1
4,4'-DDT	ND	mg/kg	0.18	0.034	EPA-8270C	ND	A11	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.18	0.034	EPA-8270C	ND	A11	1
Dibenzofuran	ND	mg/kg	0.18	0.035	EPA-8270C	ND	A11	1
1,2-Dichlorobenzene	ND	mg/kg	0.18	0.035	EPA-8270C	ND	A11	1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-20 | **Client Sample Name:** B-4-20, 9/20/2011 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.18	0.037	EPA-8270C	ND	A11	1
1,4-Dichlorobenzene	ND	mg/kg	0.18	0.034	EPA-8270C	ND	A11	1
3,3-Dichlorobenzidine	ND	mg/kg	0.35	0.012	EPA-8270C	ND	A11	1
Dieldrin	ND	mg/kg	0.18	0.055	EPA-8270C	ND	A11	1
Diethyl phthalate	ND	mg/kg	0.18	0.034	EPA-8270C	ND	A11	1
Dimethyl phthalate	ND	mg/kg	0.18	0.035	EPA-8270C	ND	A11	1
Di-n-butyl phthalate	ND	mg/kg	0.18	0.032	EPA-8270C	ND	A11	1
2,4-Dinitrotoluene	ND	mg/kg	0.18	0.039	EPA-8270C	ND	A11	1
2,6-Dinitrotoluene	ND	mg/kg	0.18	0.032	EPA-8270C	ND	A11	1
Di-n-octyl phthalate	ND	mg/kg	0.18	0.030	EPA-8270C	ND	A11	1
1,2-Diphenylhydrazine	ND	mg/kg	0.18	0.034	EPA-8270C	ND	A11	1
Endosulfan I	ND	mg/kg	0.35	0.035	EPA-8270C	ND	A11	1
Endosulfan II	ND	mg/kg	0.35	0.037	EPA-8270C	ND	A11	1
Endosulfan sulfate	ND	mg/kg	0.18	0.037	EPA-8270C	ND	A11	1
Endrin	ND	mg/kg	0.35	0.044	EPA-8270C	ND	A11	1
Endrin aldehyde	ND	mg/kg	0.88	0.039	EPA-8270C	ND	A11	1
Fluoranthene	ND	mg/kg	0.18	0.030	EPA-8270C	ND	A11	1
Fluorene	ND	mg/kg	0.18	0.034	EPA-8270C	ND	A11	1
Heptachlor	ND	mg/kg	0.18	0.037	EPA-8270C	ND	A11	1
Heptachlor epoxide	ND	mg/kg	0.18	0.030	EPA-8270C	ND	A11	1
Hexachlorobenzene	ND	mg/kg	0.18	0.028	EPA-8270C	ND	A11	1
Hexachlorobutadiene	ND	mg/kg	0.18	0.030	EPA-8270C	ND	A11	1
Hexachlorocyclopentadiene	ND	mg/kg	0.18	0.034	EPA-8270C	ND	A11	1
Hexachloroethane	ND	mg/kg	0.18	0.035	EPA-8270C	ND	A11	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.18	0.13	EPA-8270C	ND	A11	1
Isophorone	ND	mg/kg	0.18	0.030	EPA-8270C	ND	A11	1
2-Methylnaphthalene	ND	mg/kg	0.18	0.032	EPA-8270C	ND	A11	1
Naphthalene	ND	mg/kg	0.18	0.032	EPA-8270C	ND	A11	1
2-Naphthylamine	ND	mg/kg	5.3	0.28	EPA-8270C	ND	A11	1
2-Nitroaniline	ND	mg/kg	0.18	0.032	EPA-8270C	ND	A11	1
3-Nitroaniline	ND	mg/kg	0.35	0.026	EPA-8270C	ND	A11	1
4-Nitroaniline	ND	mg/kg	0.35	0.044	EPA-8270C	ND	A11	1
Nitrobenzene	ND	mg/kg	0.18	0.026	EPA-8270C	ND	A11	1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-20 | **Client Sample Name:** B-4-20, 9/20/2011 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.18	0.065	EPA-8270C	ND	A11	1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.18	0.037	EPA-8270C	ND	A11	1
N-Nitrosodiphenylamine	ND	mg/kg	0.18	0.037	EPA-8270C	ND	A11	1
Phenanthrene	ND	mg/kg	0.18	0.032	EPA-8270C	ND	A11	1
Pyrene	ND	mg/kg	0.18	0.030	EPA-8270C	ND	A11	1
1,2,4-Trichlorobenzene	ND	mg/kg	0.18	0.032	EPA-8270C	ND	A11	1
4-Chloro-3-methylphenol	ND	mg/kg	0.35	0.039	EPA-8270C	ND	A11	1
2-Chlorophenol	ND	mg/kg	0.18	0.028	EPA-8270C	ND	A11	1
2,4-Dichlorophenol	ND	mg/kg	0.18	0.030	EPA-8270C	ND	A11	1
2,4-Dimethylphenol	ND	mg/kg	0.18	0.062	EPA-8270C	ND	A11	1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.88	0.021	EPA-8270C	ND	A11	1
2,4-Dinitrophenol	ND	mg/kg	0.88	0.014	EPA-8270C	ND	A11	1
2-Methylphenol	ND	mg/kg	0.18	0.030	EPA-8270C	ND	A11	1
3- & 4-Methylphenol	ND	mg/kg	0.35	0.058	EPA-8270C	ND	A11	1
2-Nitrophenol	ND	mg/kg	0.18	0.028	EPA-8270C	ND	A11	1
4-Nitrophenol	ND	mg/kg	0.35	0.032	EPA-8270C	ND	A11	1
Pentachlorophenol	ND	mg/kg	0.35	0.023	EPA-8270C	ND	A11	1
Phenol	ND	mg/kg	0.18	0.028	EPA-8270C	ND	A11	1
2,4,5-Trichlorophenol	ND	mg/kg	0.35	0.032	EPA-8270C	ND	A11	1
2,4,6-Trichlorophenol	ND	mg/kg	0.35	0.030	EPA-8270C	ND	A11	1
2-Fluorophenol (Surrogate)	120	%	28 - 144 (LCL - UCL)		EPA-8270C		A11	1
Phenol-d5 (Surrogate)	58.5	%	36 - 136 (LCL - UCL)		EPA-8270C		A11	1
Nitrobenzene-d5 (Surrogate)	119	%	31 - 135 (LCL - UCL)		EPA-8270C		A11	1
2-Fluorobiphenyl (Surrogate)	92.4	%	20 - 140 (LCL - UCL)		EPA-8270C		A11	1
2,4,6-Tribromophenol (Surrogate)	114	%	20 - 150 (LCL - UCL)		EPA-8270C		A11	1
p-Terphenyl-d14 (Surrogate)	112	%	10 - 150 (LCL - UCL)		EPA-8270C		A11	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/07/11 22:07	SKC	MS-B1	1.765	BUJ0343

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-20 | **Client Sample Name:** B-4-20, 9/20/2011 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	88	35	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	88	35	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	35	8.8	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	18	8.8	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	35	8.8	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	18	8.8	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	18	8.1	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	18	8.8	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	18	2.5	Luft/FFP	ND		1
TPH - Diesel (FFP)	**20**	**mg/kg**	**18**	**2.1**	**Luft/FFP**	ND	**A52**	1
TPH - Fuel Oil #6	ND	mg/kg	18	8.8	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	35	4.9	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	**39**	**mg/kg**	**35**	**11**	**Luft/FFP**	ND		1
TPH - WD-40	ND	mg/kg	18	8.8	Luft/FFP	ND		1
Tetracosane (Surrogate)	70.2	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 00:33	MWB	GC-13	1.765	BUJ0256

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-20 | **Client Sample Name:** B-4-20, 9/20/2011 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.88**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**1.8**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**41**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.26**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.066**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**11**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**3.4**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**18**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**3.4**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.23**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND		2
Molybdenum	**1.1**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**3.9**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	**0.069**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Thallium	ND	mg/kg	5.0	0.73	EPA-6010B	ND		1
Vanadium	**23**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**39**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 07:55	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/27/11	09/30/11 10:43	MEV	CETAC1	0.962	BUI1770

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-21 | **Client Sample Name:** B-4-25, 9/20/2011 11:40:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00096	0.000050	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00096	0.00027	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00096	0.00073	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00096	0.00015	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00096	0.00048	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.096	0.029	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00096	0.00012	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00096	0.000086	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00096	0.000059	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00096	0.000061	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00096	0.00016	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00096	0.00013	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00096	0.00025	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00096	0.000067	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00096	0.00012	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00096	0.00050	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00096	0.00029	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00096	0.00025	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.096	0.014	EPA-8081	ND		1
TCMX (Surrogate)	78.9	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	78.5	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 22:19	VH1	GC-1	1.911	BUJ0049

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-21 | **Client Sample Name:** B-4-25, 9/20/2011 11:40:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.19	0.035	EPA-8270C	ND	A11	1
Acenaphthylene	ND	mg/kg	0.19	0.037	EPA-8270C	ND	A11	1
Aldrin	ND	mg/kg	0.19	0.046	EPA-8270C	ND	A11	1
Aniline	ND	mg/kg	0.39	0.10	EPA-8270C	ND	A11	1
Anthracene	ND	mg/kg	0.19	0.035	EPA-8270C	ND	A11	1
Benzidine	ND	mg/kg	5.8	0.42	EPA-8270C	ND	A11	1
Benzo[a]anthracene	ND	mg/kg	0.19	0.023	EPA-8270C	ND	A11	1
Benzo[b]fluoranthene	ND	mg/kg	0.19	0.035	EPA-8270C	ND	A11	1
Benzo[k]fluoranthene	ND	mg/kg	0.19	0.037	EPA-8270C	ND	A11	1
Benzo[a]pyrene	ND	mg/kg	0.19	0.029	EPA-8270C	ND	A11	1
Benzo[g,h,i]perylene	ND	mg/kg	0.19	0.11	EPA-8270C	ND	A11	1
Benzoic acid	ND	mg/kg	0.96	0.13	EPA-8270C	ND	A11	1
Benzyl alcohol	ND	mg/kg	0.19	0.035	EPA-8270C	ND	A11	1
Benzyl butyl phthalate	ND	mg/kg	0.19	0.040	EPA-8270C	ND	A11	1
alpha-BHC	ND	mg/kg	0.19	0.035	EPA-8270C	ND	A11	1
beta-BHC	ND	mg/kg	0.19	0.040	EPA-8270C	ND	A11	1
delta-BHC	ND	mg/kg	0.19	0.035	EPA-8270C	ND	A11	1
gamma-BHC (Lindane)	ND	mg/kg	0.19	0.033	EPA-8270C	ND	A11	1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.19	0.033	EPA-8270C	ND	A11	1
bis(2-Chloroethyl) ether	ND	mg/kg	0.19	0.031	EPA-8270C	ND	A11	1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.19	0.040	EPA-8270C	ND	A11	1
bis(2-Ethylhexyl)phthalate	**0.13**	**mg/kg**	**0.39**	**0.083**	**EPA-8270C**	0.10	**J,A11,M03**	1
4-Bromophenyl phenyl ether	ND	mg/kg	0.19	0.033	EPA-8270C	ND	A11	1
4-Chloroaniline	ND	mg/kg	0.19	0.052	EPA-8270C	ND	A11	1
2-Chloronaphthalene	ND	mg/kg	0.19	0.039	EPA-8270C	ND	A11	1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.19	0.029	EPA-8270C	ND	A11	1
Chrysene	ND	mg/kg	0.19	0.033	EPA-8270C	ND	A11	1
4,4'-DDD	ND	mg/kg	0.19	0.033	EPA-8270C	ND	A11	1
4,4'-DDE	ND	mg/kg	0.19	0.033	EPA-8270C	ND	A11	1
4,4'-DDT	ND	mg/kg	0.19	0.037	EPA-8270C	ND	A11	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.19	0.037	EPA-8270C	ND	A11	1
Dibenzofuran	ND	mg/kg	0.19	0.039	EPA-8270C	ND	A11	1
1,2-Dichlorobenzene	ND	mg/kg	0.19	0.039	EPA-8270C	ND	A11	1

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1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-21 | **Client Sample Name:** B-4-25, 9/20/2011 11:40:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.19	0.040	EPA-8270C	ND	A11	1
1,4-Dichlorobenzene	ND	mg/kg	0.19	0.037	EPA-8270C	ND	A11	1
3,3-Dichlorobenzidine	ND	mg/kg	0.39	0.013	EPA-8270C	ND	A11	1
Dieldrin	ND	mg/kg	0.19	0.060	EPA-8270C	ND	A11	1
Diethyl phthalate	ND	mg/kg	0.19	0.037	EPA-8270C	ND	A11	1
Dimethyl phthalate	ND	mg/kg	0.19	0.039	EPA-8270C	ND	A11	1
Di-n-butyl phthalate	ND	mg/kg	0.19	0.035	EPA-8270C	ND	A11	1
2,4-Dinitrotoluene	ND	mg/kg	0.19	0.042	EPA-8270C	ND	A11	1
2,6-Dinitrotoluene	ND	mg/kg	0.19	0.035	EPA-8270C	ND	A11	1
Di-n-octyl phthalate	ND	mg/kg	0.19	0.033	EPA-8270C	ND	A11	1
1,2-Diphenylhydrazine	ND	mg/kg	0.19	0.037	EPA-8270C	ND	A11	1
Endosulfan I	ND	mg/kg	0.39	0.039	EPA-8270C	ND	A11	1
Endosulfan II	ND	mg/kg	0.39	0.040	EPA-8270C	ND	A11	1
Endosulfan sulfate	ND	mg/kg	0.19	0.040	EPA-8270C	ND	A11	1
Endrin	ND	mg/kg	0.39	0.048	EPA-8270C	ND	A11	1
Endrin aldehyde	ND	mg/kg	0.96	0.042	EPA-8270C	ND	A11	1
Fluoranthene	ND	mg/kg	0.19	0.033	EPA-8270C	ND	A11	1
Fluorene	ND	mg/kg	0.19	0.037	EPA-8270C	ND	A11	1
Heptachlor	ND	mg/kg	0.19	0.040	EPA-8270C	ND	A11	1
Heptachlor epoxide	ND	mg/kg	0.19	0.033	EPA-8270C	ND	A11	1
Hexachlorobenzene	ND	mg/kg	0.19	0.031	EPA-8270C	ND	A11	1
Hexachlorobutadiene	ND	mg/kg	0.19	0.033	EPA-8270C	ND	A11	1
Hexachlorocyclopentadiene	ND	mg/kg	0.19	0.037	EPA-8270C	ND	A11	1
Hexachloroethane	ND	mg/kg	0.19	0.039	EPA-8270C	ND	A11	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.19	0.14	EPA-8270C	ND	A11	1
Isophorone	ND	mg/kg	0.19	0.033	EPA-8270C	ND	A11	1
2-Methylnaphthalene	ND	mg/kg	0.19	0.035	EPA-8270C	ND	A11	1
Naphthalene	ND	mg/kg	0.19	0.035	EPA-8270C	ND	A11	1
2-Naphthylamine	ND	mg/kg	5.8	0.31	EPA-8270C	ND	A11	1
2-Nitroaniline	ND	mg/kg	0.19	0.035	EPA-8270C	ND	A11	1
3-Nitroaniline	ND	mg/kg	0.39	0.029	EPA-8270C	ND	A11	1
4-Nitroaniline	ND	mg/kg	0.39	0.048	EPA-8270C	ND	A11	1
Nitrobenzene	ND	mg/kg	0.19	0.029	EPA-8270C	ND	A11	1

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1 Technology Drive, Suite F207
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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-21 | **Client Sample Name:** B-4-25, 9/20/2011 11:40:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.19	0.071	EPA-8270C	ND	A11	1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.19	0.040	EPA-8270C	ND	A11	1
N-Nitrosodiphenylamine	ND	mg/kg	0.19	0.040	EPA-8270C	ND	A11	1
Phenanthrene	ND	mg/kg	0.19	0.035	EPA-8270C	ND	A11	1
Pyrene	ND	mg/kg	0.19	0.033	EPA-8270C	ND	A11	1
1,2,4-Trichlorobenzene	ND	mg/kg	0.19	0.035	EPA-8270C	ND	A11	1
4-Chloro-3-methylphenol	ND	mg/kg	0.39	0.042	EPA-8270C	ND	A11	1
2-Chlorophenol	ND	mg/kg	0.19	0.031	EPA-8270C	ND	A11	1
2,4-Dichlorophenol	ND	mg/kg	0.19	0.033	EPA-8270C	ND	A11	1
2,4-Dimethylphenol	ND	mg/kg	0.19	0.068	EPA-8270C	ND	A11	1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.96	0.023	EPA-8270C	ND	A11	1
2,4-Dinitrophenol	ND	mg/kg	0.96	0.015	EPA-8270C	ND	A11	1
2-Methylphenol	ND	mg/kg	0.19	0.033	EPA-8270C	ND	A11	1
3- & 4-Methylphenol	ND	mg/kg	0.39	0.064	EPA-8270C	ND	A11	1
2-Nitrophenol	ND	mg/kg	0.19	0.031	EPA-8270C	ND	A11	1
4-Nitrophenol	ND	mg/kg	0.39	0.035	EPA-8270C	ND	A11	1
Pentachlorophenol	ND	mg/kg	0.39	0.025	EPA-8270C	ND	A11	1
Phenol	ND	mg/kg	0.19	0.031	EPA-8270C	ND	A11	1
2,4,5-Trichlorophenol	ND	mg/kg	0.39	0.035	EPA-8270C	ND	A11	1
2,4,6-Trichlorophenol	ND	mg/kg	0.39	0.033	EPA-8270C	ND	A11	1
2-Fluorophenol (Surrogate)	75.7	%	28 - 144 (LCL - UCL)		EPA-8270C		A11	1
Phenol-d5 (Surrogate)	41.3	%	36 - 136 (LCL - UCL)		EPA-8270C		A11	1
Nitrobenzene-d5 (Surrogate)	88.5	%	31 - 135 (LCL - UCL)		EPA-8270C		A11	1
2-Fluorobiphenyl (Surrogate)	86.5	%	20 - 140 (LCL - UCL)		EPA-8270C		A11	1
2,4,6-Tribromophenol (Surrogate)	130	%	20 - 150 (LCL - UCL)		EPA-8270C		A11	1
p-Terphenyl-d14 (Surrogate)	64.4	%	10 - 150 (LCL - UCL)		EPA-8270C		A11	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/05/11 19:16	SKC	MS-B2	1.929	BUJ0149

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-21 | **Client Sample Name:** B-4-25, 9/20/2011 11:40:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	99	39	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	99	39	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	39	9.9	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	20	9.9	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	39	9.9	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	20	9.9	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	20	9.1	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	20	9.9	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	20	2.4	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	20	9.9	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	39	5.5	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	39	13	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	20	9.9	Luft/FFP	ND		1
Tetracosane (Surrogate)	92.5	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 02:28	MWB	GC-13	1.974	BUJ0255

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1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-21 | **Client Sample Name:** B-4-25, 9/20/2011 11:40:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.85**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**1.7**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**180**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	0.079		1
Beryllium	**0.17**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Chromium	**10**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**5.8**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**51**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**1.8**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Mercury	**0.047**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND	**J**	2
Molybdenum	**0.91**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**5.6**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	0.16		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	0.090		1
Thallium	ND	mg/kg	5.0	0.73	EPA-6010B	ND		1
Vanadium	**36**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**41**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.49		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	10/03/11	10/04/11 08:22	ARD	PE-OP1	1	BUJ0080
2	EPA-7471A	09/27/11	09/30/11 10:45	MEV	CETAC1	0.992	BUI1770

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-22 | **Client Sample Name:** B-3-5-D, 9/19/2011 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	79.3	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	76.3	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 22:37	VH1	GC-1	1.010	BUJ0049

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-22 | **Client Sample Name:** B-3-5-D, 9/19/2011 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	0.052	M03	1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-22 | **Client Sample Name:** B-3-5-D, 9/19/2011 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-22 | **Client Sample Name:** B-3-5-D, 9/19/2011 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	63.5	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	35.9	%	36 - 136 (LCL - UCL)		EPA-8270C		S09	1
Nitrobenzene-d5 (Surrogate)	76.2	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	79.5	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	116	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	62.1	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/05/11 19:41	SKC	MS-B2	0.990	BUJ0149

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-22 | **Client Sample Name:** B-3-5-D, 9/19/2011 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	91.5	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 02:51	MWB	GC-13	1.010	BUJ0255

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-22 | **Client Sample Name:** B-3-5-D, 9/19/2011 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**1.0**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**2.2**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**53**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.28**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.076**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**8.7**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**4.4**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**14**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**4.4**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.29**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND		2
Molybdenum	**0.26**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**5.0**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	**0.068**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Thallium	**0.94**	**mg/kg**	**5.0**	**0.73**	**EPA-6010B**	ND	**J**	1
Vanadium	**27**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**40**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 07:56	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/27/11	09/30/11 10:47	MEV	CETAC1	0.977	BUI1770

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-23 | **Client Sample Name:** B-9-10-D, 9/20/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND	V11	1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	84.7	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	84.2	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/03/11 23:49	VH1	GC-1	1.010	BUJ0049

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1 Technology Drive, Suite F207
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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-23 | **Client Sample Name:** B-9-10-D, 9/20/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	0.050	M03	1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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1 Technology Drive, Suite F207
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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-23 | **Client Sample Name:** B-9-10-D, 9/20/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-23 | **Client Sample Name:** B-9-10-D, 9/20/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	69.8	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	39.0	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	88.4	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	83.8	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	117	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	55.9	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/05/11 18:00	SKC	MS-B2	0.954	BUJ0149

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-23 | **Client Sample Name:** B-9-10-D, 9/20/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	83.6	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 05:11	MWB	GC-13	1.007	BUJ0255

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-23 | **Client Sample Name:** B-9-10-D, 9/20/2011 9:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**1.4**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**2.6**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**100**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.46**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.15**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**14**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**7.3**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**17**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**6.4**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.13**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND	**J**	2
Molybdenum	**0.32**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**8.6**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	**0.098**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Thallium	**1.3**	**mg/kg**	**5.0**	**0.73**	**EPA-6010B**	ND	**J**	1
Vanadium	**38**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**71**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 07:58	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/27/11	09/30/11 10:54	MEV	CETAC1	0.977	BUI1770

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1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 1115416-24 | **Client Sample Name:** B-4-10-D, 9/20/2011 11:03:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8081	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8081	ND	V11	1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8081	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081	ND		1
TCMX (Surrogate)	81.9	%	20 - 143 (LCL - UCL)		EPA-8081			1
Dibutyl chlorendate (Surrogate)	75.1	%	20 - 164 (LCL - UCL)		EPA-8081			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081	09/28/11	10/04/11 00:08	VH1	GC-1	1	BUJ0049

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1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-24 | **Client Sample Name:** B-4-10-D, 9/20/2011 11:03:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	0.051	M03	1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-24 | **Client Sample Name:** B-4-10-D, 9/20/2011 11:03:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1115416-24 | **Client Sample Name:** B-4-10-D, 9/20/2011 11:03:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	68.4	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	38.0	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	80.8	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	79.1	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	121	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	63.6	%	10 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	09/28/11	10/05/11 20:08	SKC	MS-B2	0.960	BUJ0149

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1115416-24 | **Client Sample Name:** B-4-10-D, 9/20/2011 11:03:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	71.4	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	09/28/11	10/07/11 05:34	MWB	GC-13	0.997	BUJ0255

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

BCL Sample ID: 1115416-24 | **Client Sample Name:** B-4-10-D, 9/20/2011 11:03:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**1.1**	**mg/kg**	**5.0**	**0.50**	**EPA-6010B**	ND	**J**	1
Arsenic	**2.0**	**mg/kg**	**1.0**	**0.38**	**EPA-6010B**	ND		1
Barium	**36**	**mg/kg**	**0.50**	**0.077**	**EPA-6010B**	ND		1
Beryllium	**0.24**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.061**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND	**J**	1
Chromium	**6.0**	**mg/kg**	**0.50**	**0.060**	**EPA-6010B**	ND		1
Cobalt	**3.7**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Copper	**16**	**mg/kg**	**1.0**	**0.12**	**EPA-6010B**	ND		1
Lead	**3.6**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND		1
Mercury	**0.11**	**mg/kg**	**0.16**	**0.024**	**EPA-7471A**	ND	**J**	2
Molybdenum	**0.27**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	ND	**J**	1
Nickel	**3.6**	**mg/kg**	**0.50**	**0.058**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.51	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.050	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.73	EPA-6010B	ND		1
Vanadium	**22**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Zinc	**35**	**mg/kg**	**2.5**	**0.25**	**EPA-6010B**	0.55		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/28/11	09/29/11 08:02	ARD	PE-OP1	1	BUI1866
2	EPA-7471A	09/27/11	09/30/11 10:56	MEV	CETAC1	0.962	BUI1770

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Gannett Fleming, Inc
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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUJ0048						
Aldrin	BUJ0048-BLK1	ND	mg/kg	0.00050	0.000026	
alpha-BHC	BUJ0048-BLK1	ND	mg/kg	0.00050	0.00014	
beta-BHC	BUJ0048-BLK1	ND	mg/kg	0.00050	0.00038	
delta-BHC	BUJ0048-BLK1	ND	mg/kg	0.00050	0.000076	
gamma-BHC (Lindane)	BUJ0048-BLK1	ND	mg/kg	0.00050	0.00025	
Chlordane (Technical)	BUJ0048-BLK1	ND	mg/kg	0.050	0.015	
4,4'-DDD	BUJ0048-BLK1	ND	mg/kg	0.00050	0.000063	
4,4'-DDE	BUJ0048-BLK1	ND	mg/kg	0.00050	0.000045	
4,4'-DDT	BUJ0048-BLK1	ND	mg/kg	0.00050	0.000031	
Dieldrin	BUJ0048-BLK1	ND	mg/kg	0.00050	0.000032	
Endosulfan I	BUJ0048-BLK1	ND	mg/kg	0.00050	0.000086	
Endosulfan II	BUJ0048-BLK1	ND	mg/kg	0.00050	0.000066	
Endosulfan sulfate	BUJ0048-BLK1	ND	mg/kg	0.00050	0.00013	
Endrin	BUJ0048-BLK1	ND	mg/kg	0.00050	0.000035	
Endrin aldehyde	BUJ0048-BLK1	ND	mg/kg	0.00050	0.000061	
Heptachlor	BUJ0048-BLK1	ND	mg/kg	0.00050	0.00026	
Heptachlor epoxide	BUJ0048-BLK1	ND	mg/kg	0.00050	0.00015	
Methoxychlor	BUJ0048-BLK1	ND	mg/kg	0.00050	0.00013	
Toxaphene	BUJ0048-BLK1	ND	mg/kg	0.050	0.0074	
TCMX (Surrogate)	BUJ0048-BLK1	87.0	%	20 - 143 (LCL - UCL)		
Dibutyl chlorendate (Surrogate)	BUJ0048-BLK1	90.8	%	20 - 164 (LCL - UCL)		
QC Batch ID: BUJ0049						
Aldrin	BUJ0049-BLK1	ND	mg/kg	0.00050	0.000026	
alpha-BHC	BUJ0049-BLK1	ND	mg/kg	0.00050	0.00014	
beta-BHC	BUJ0049-BLK1	ND	mg/kg	0.00050	0.00038	
delta-BHC	BUJ0049-BLK1	ND	mg/kg	0.00050	0.000076	
gamma-BHC (Lindane)	BUJ0049-BLK1	ND	mg/kg	0.00050	0.00025	
Chlordane (Technical)	BUJ0049-BLK1	ND	mg/kg	0.050	0.015	
4,4'-DDD	BUJ0049-BLK1	ND	mg/kg	0.00050	0.000063	
4,4'-DDE	BUJ0049-BLK1	ND	mg/kg	0.00050	0.000045	
4,4'-DDT	BUJ0049-BLK1	ND	mg/kg	0.00050	0.000031	
Dieldrin	BUJ0049-BLK1	ND	mg/kg	0.00050	0.000032	
Endosulfan I	BUJ0049-BLK1	ND	mg/kg	0.00050	0.000086	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUJ0049						
Endosulfan II	BUJ0049-BLK1	ND	mg/kg	0.00050	0.000066	
Endosulfan sulfate	BUJ0049-BLK1	ND	mg/kg	0.00050	0.00013	
Endrin	BUJ0049-BLK1	ND	mg/kg	0.00050	0.000035	
Endrin aldehyde	BUJ0049-BLK1	ND	mg/kg	0.00050	0.000061	
Heptachlor	BUJ0049-BLK1	ND	mg/kg	0.00050	0.00026	
Heptachlor epoxide	BUJ0049-BLK1	ND	mg/kg	0.00050	0.00015	
Methoxychlor	BUJ0049-BLK1	ND	mg/kg	0.00050	0.00013	
Toxaphene	BUJ0049-BLK1	ND	mg/kg	0.050	0.0074	
TCMX (Surrogate)	BUJ0049-BLK1	86.8	%	20 - 143 (LCL - UCL)		
Dibutyl chlorendate (Surrogate)	BUJ0049-BLK1	83.2	%	20 - 164 (LCL - UCL)		

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BUJ0048										
Aldrin	BUJ0048-BS1	LCS	0.0042777	0.0050000	mg/kg	85.6		70 - 130		
gamma-BHC (Lindane)	BUJ0048-BS1	LCS	0.0047040	0.0050000	mg/kg	94.1		40 - 140		
4,4'-DDT	BUJ0048-BS1	LCS	0.0043300	0.0050000	mg/kg	86.6		60 - 130		
Dieldrin	BUJ0048-BS1	LCS	0.0042277	0.0050000	mg/kg	84.6		70 - 130		
Endrin	BUJ0048-BS1	LCS	0.0042427	0.0050000	mg/kg	84.9		60 - 140		
Heptachlor	BUJ0048-BS1	LCS	0.0042460	0.0050000	mg/kg	84.9		70 - 130		
TCMX (Surrogate)	BUJ0048-BS1	LCS	0.010255	0.010000	mg/kg	103		20 - 143		
Dibutyl chlorendate (Surrogate)	BUJ0048-BS1	LCS	0.020945	0.025000	mg/kg	83.8		20 - 164		
QC Batch ID: BUJ0049										
Aldrin	BUJ0049-BS1	LCS	0.0043769	0.0049505	mg/kg	88.4		70 - 130		
gamma-BHC (Lindane)	BUJ0049-BS1	LCS	0.0046432	0.0049505	mg/kg	93.8		40 - 140		
4,4'-DDT	BUJ0049-BS1	LCS	0.0041776	0.0049505	mg/kg	84.4		60 - 130		
Dieldrin	BUJ0049-BS1	LCS	0.0043211	0.0049505	mg/kg	87.3		70 - 130		
Endrin	BUJ0049-BS1	LCS	0.0044185	0.0049505	mg/kg	89.3		60 - 140		
Heptachlor	BUJ0049-BS1	LCS	0.0043340	0.0049505	mg/kg	87.5		70 - 130		
TCMX (Surrogate)	BUJ0049-BS1	LCS	0.010600	0.0099010	mg/kg	107		20 - 143		
Dibutyl chlorendate (Surrogate)	BUJ0049-BS1	LCS	0.021452	0.024752	mg/kg	86.7		20 - 164		

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Organochlorine Pesticides (EPA Method 8081)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUJ0048	Used client sample: Y - Description: B-1-15, 09/19/2011 09:00										
Aldrin	MS	1115416-03	ND	0.0040663	0.0050000	mg/kg		81.3		30 - 140	
	MSD	1115416-03	ND	0.0055064	0.0050505	mg/kg	30.1	109	30	30 - 140	
gamma-BHC (Lindane)	MS	1115416-03	ND	0.0054070	0.0050000	mg/kg		108		30 - 142	
	MSD	1115416-03	ND	0.0047771	0.0050505	mg/kg	12.4	94.6	30	30 - 142	
4,4'-DDT	MS	1115416-03	ND	0.0047843	0.0050000	mg/kg		95.7		30 - 140	
	MSD	1115416-03	ND	0.0047902	0.0050505	mg/kg	0.1	94.8	30	30 - 140	
Dieldrin	MS	1115416-03	ND	0.0043747	0.0050000	mg/kg		87.5		40 - 135	
	MSD	1115416-03	ND	0.0039694	0.0050505	mg/kg	9.7	78.6	20	40 - 135	
Endrin	MS	1115416-03	ND	0.0040683	0.0050000	mg/kg		81.4		30 - 150	
	MSD	1115416-03	ND	0.0037906	0.0050505	mg/kg	7.1	75.1	20	30 - 150	
Heptachlor	MS	1115416-03	ND	0.0045413	0.0050000	mg/kg		90.8		40 - 140	
	MSD	1115416-03	ND	0.0037697	0.0050505	mg/kg	18.6	74.6	30	40 - 140	
TCMX (Surrogate)	MS	1115416-03	ND	0.0082010	0.010000	mg/kg		82.0		20 - 143	
	MSD	1115416-03	ND	0.0077653	0.010101	mg/kg	5.5	76.9		20 - 143	
Dibutyl chlorendate (Surrogate)	MS	1115416-03	ND	0.020861	0.025000	mg/kg		83.4		20 - 164	
	MSD	1115416-03	ND	0.019579	0.025253	mg/kg	6.3	77.5		20 - 164	
QC Batch ID: BUJ0049	Used client sample: Y - Description: B-3-5-D, 09/19/2011 10:05										
Aldrin	MS	1115416-22	ND	0.0042462	0.0049180	mg/kg		86.3		30 - 140	
	MSD	1115416-22	ND	0.0043257	0.0049505	mg/kg	1.9	87.4	30	30 - 140	
gamma-BHC (Lindane)	MS	1115416-22	ND	0.0042970	0.0049180	mg/kg		87.4		30 - 142	
	MSD	1115416-22	ND	0.0044495	0.0049505	mg/kg	3.5	89.9	30	30 - 142	
4,4'-DDT	MS	1115416-22	ND	0.0040810	0.0049180	mg/kg		83.0		30 - 140	
	MSD	1115416-22	ND	0.0040399	0.0049505	mg/kg	1.0	81.6	30	30 - 140	
Dieldrin	MS	1115416-22	ND	0.0041102	0.0049180	mg/kg		83.6		40 - 135	
	MSD	1115416-22	ND	0.0042076	0.0049505	mg/kg	2.3	85.0	20	40 - 135	
Endrin	MS	1115416-22	ND	0.0042295	0.0049180	mg/kg		86.0		30 - 150	
	MSD	1115416-22	ND	0.0043079	0.0049505	mg/kg	1.8	87.0	20	30 - 150	
Heptachlor	MS	1115416-22	ND	0.0042793	0.0049180	mg/kg		87.0		40 - 140	
	MSD	1115416-22	ND	0.0042997	0.0049505	mg/kg	0.5	86.9	30	40 - 140	
TCMX (Surrogate)	MS	1115416-22	ND	0.0084384	0.0098361	mg/kg		85.8		20 - 143	
	MSD	1115416-22	ND	0.0089459	0.0099010	mg/kg	5.8	90.4		20 - 143	
Dibutyl chlorendate (Surrogate)	MS	1115416-22	ND	0.020061	0.024590	mg/kg		81.6		20 - 164	
	MSD	1115416-22	ND	0.020579	0.024752	mg/kg	2.5	83.1		20 - 164	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

PCB Analysis (EPA Method 8082)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUJ0046						
PCB-1016	BUJ0046-BLK1	ND	mg/kg	0.010	0.0027	
PCB-1221	BUJ0046-BLK1	ND	mg/kg	0.010	0.0050	
PCB-1232	BUJ0046-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1242	BUJ0046-BLK1	ND	mg/kg	0.010	0.0016	
PCB-1248	BUJ0046-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1254	BUJ0046-BLK1	ND	mg/kg	0.010	0.00078	
PCB-1260	BUJ0046-BLK1	ND	mg/kg	0.010	0.0022	
Total PCB's (Summation)	BUJ0046-BLK1	ND	mg/kg	0.010	0.0050	
Decachlorobiphenyl (Surrogate)	BUJ0046-BLK1	80.0	%	20 - 150 (LCL - UCL)		

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

PCB Analysis (EPA Method 8082)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BUJ0046										
PCB-1260	BUJ0046-BS1	LCS	0.074662	0.084459	mg/kg	88.4		65 - 135		
Decachlorobiphenyl (Surrogate)	BUJ0046-BS1	LCS	0.0027027	0.0033784	mg/kg	80.0		20 - 150		

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

PCB Analysis (EPA Method 8082)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUJ0046	Used client sample: Y - Description: B-9-5, 09/20/2011 08:58										
PCB-1260	MS	1115416-12	ND	0.051864	0.084746	mg/kg		61.2		30 - 150	
	MSD	1115416-12	ND	0.052365	0.084459	mg/kg	1.0	62.0	32	30 - 150	
Decachlorobiphenyl (Surrogate)	MS	1115416-12	ND	0.0016949	0.0033898	mg/kg		50.0		20 - 150	
	MSD	1115416-12	ND	0.0016892	0.0033784	mg/kg	0.3	50.0		20 - 150	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUI1646						
Benzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BUI1646-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BUI1646-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BUI1646-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BUI1646-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0011	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUI1646						
trans-1,3-Dichloropropene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BUI1646-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BUI1646-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BUI1646-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BUI1646-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BUI1646-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BUI1646-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BUI1646-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	BUI1646-BLK1	101	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BUI1646-BLK1	99.4	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BUI1646-BLK1	96.7	%	74 - 121 (LCL - UCL)		

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BUI1646										
Benzene	BUI1646-BS1	LCS	0.12609	0.12500	mg/kg	101		70 - 130		
Bromodichloromethane	BUI1646-BS1	LCS	0.11788	0.12500	mg/kg	94.3		70 - 130		
Chlorobenzene	BUI1646-BS1	LCS	0.11942	0.12500	mg/kg	95.5		70 - 130		
Chloroethane	BUI1646-BS1	LCS	0.13282	0.12500	mg/kg	106		70 - 130		
1,4-Dichlorobenzene	BUI1646-BS1	LCS	0.11667	0.12500	mg/kg	93.3		70 - 130		
1,1-Dichloroethane	BUI1646-BS1	LCS	0.12619	0.12500	mg/kg	101		70 - 130		
1,1-Dichloroethene	BUI1646-BS1	LCS	0.13453	0.12500	mg/kg	108		70 - 130		
Toluene	BUI1646-BS1	LCS	0.12020	0.12500	mg/kg	96.2		70 - 130		
Trichloroethene	BUI1646-BS1	LCS	0.12338	0.12500	mg/kg	98.7		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BUI1646-BS1	LCS	0.050682	0.050000	mg/kg	101		70 - 121		
Toluene-d8 (Surrogate)	BUI1646-BS1	LCS	0.049870	0.050000	mg/kg	99.7		81 - 117		
4-Bromofluorobenzene (Surrogate)	BUI1646-BS1	LCS	0.051599	0.050000	mg/kg	103		74 - 121		

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUI1646	Used client sample: N										
Benzene	MS	1115418-13	ND	0.12854	0.12500	mg/kg		103		70 - 130	
	MSD	1115418-13	ND	0.12826	0.12500	mg/kg	0.2	103	20	70 - 130	
Bromodichloromethane	MS	1115418-13	ND	0.12269	0.12500	mg/kg		98.2		70 - 130	
	MSD	1115418-13	ND	0.12328	0.12500	mg/kg	0.5	98.6	20	70 - 130	
Chlorobenzene	MS	1115418-13	ND	0.12262	0.12500	mg/kg		98.1		70 - 130	
	MSD	1115418-13	ND	0.12280	0.12500	mg/kg	0.1	98.2	20	70 - 130	
Chloroethane	MS	1115418-13	ND	0.12451	0.12500	mg/kg		99.6		70 - 130	
	MSD	1115418-13	ND	0.12879	0.12500	mg/kg	3.4	103	20	70 - 130	
1,4-Dichlorobenzene	MS	1115418-13	ND	0.12018	0.12500	mg/kg		96.1		70 - 130	
	MSD	1115418-13	ND	0.11955	0.12500	mg/kg	0.5	95.6	20	70 - 130	
1,1-Dichloroethane	MS	1115418-13	ND	0.12731	0.12500	mg/kg		102		70 - 130	
	MSD	1115418-13	ND	0.12966	0.12500	mg/kg	1.8	104	20	70 - 130	
1,1-Dichloroethene	MS	1115418-13	ND	0.12976	0.12500	mg/kg		104		70 - 130	
	MSD	1115418-13	ND	0.13054	0.12500	mg/kg	0.6	104	20	70 - 130	
Toluene	MS	1115418-13	ND	0.12610	0.12500	mg/kg		101		70 - 130	
	MSD	1115418-13	ND	0.12623	0.12500	mg/kg	0.1	101	20	70 - 130	
Trichloroethene	MS	1115418-13	ND	0.12749	0.12500	mg/kg		102		70 - 130	
	MSD	1115418-13	ND	0.12729	0.12500	mg/kg	0.2	102	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1115418-13	ND	0.051154	0.050000	mg/kg		102		70 - 121	
	MSD	1115418-13	ND	0.050866	0.050000	mg/kg	0.6	102		70 - 121	
Toluene-d8 (Surrogate)	MS	1115418-13	ND	0.049880	0.050000	mg/kg		99.8		81 - 117	
	MSD	1115418-13	ND	0.050415	0.050000	mg/kg	1.1	101		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1115418-13	ND	0.051324	0.050000	mg/kg		103		74 - 121	
	MSD	1115418-13	ND	0.051337	0.050000	mg/kg	0.0	103		74 - 121	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUJ0149						
Acenaphthene	BUJ0149-BLK1	ND	mg/kg	0.10	0.018	
Acenaphthylene	BUJ0149-BLK1	ND	mg/kg	0.10	0.019	
Aldrin	BUJ0149-BLK1	ND	mg/kg	0.10	0.024	
Aniline	BUJ0149-BLK1	ND	mg/kg	0.20	0.053	
Anthracene	BUJ0149-BLK1	ND	mg/kg	0.10	0.018	
Benzidine	BUJ0149-BLK1	ND	mg/kg	3.0	0.22	
Benzo[a]anthracene	BUJ0149-BLK1	ND	mg/kg	0.10	0.012	
Benzo[b]fluoranthene	BUJ0149-BLK1	ND	mg/kg	0.10	0.018	
Benzo[k]fluoranthene	BUJ0149-BLK1	ND	mg/kg	0.10	0.019	
Benzo[a]pyrene	BUJ0149-BLK1	ND	mg/kg	0.10	0.015	
Benzo[g,h,i]perylene	BUJ0149-BLK1	ND	mg/kg	0.10	0.056	
Benzoic acid	BUJ0149-BLK1	ND	mg/kg	0.50	0.067	
Benzyl alcohol	BUJ0149-BLK1	ND	mg/kg	0.10	0.018	
Benzyl butyl phthalate	BUJ0149-BLK1	ND	mg/kg	0.10	0.021	
alpha-BHC	BUJ0149-BLK1	ND	mg/kg	0.10	0.018	
beta-BHC	BUJ0149-BLK1	ND	mg/kg	0.10	0.021	
delta-BHC	BUJ0149-BLK1	ND	mg/kg	0.10	0.018	
gamma-BHC (Lindane)	BUJ0149-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethoxy)methane	BUJ0149-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethyl) ether	BUJ0149-BLK1	ND	mg/kg	0.10	0.016	
bis(2-Chloroisopropyl)ether	BUJ0149-BLK1	ND	mg/kg	0.10	0.021	
bis(2-Ethylhexyl)phthalate	BUJ0149-BLK1	0.051780	mg/kg	0.20	0.043	J,M03
4-Bromophenyl phenyl ether	BUJ0149-BLK1	ND	mg/kg	0.10	0.017	
4-Chloroaniline	BUJ0149-BLK1	ND	mg/kg	0.10	0.027	
2-Chloronaphthalene	BUJ0149-BLK1	ND	mg/kg	0.10	0.020	
4-Chlorophenyl phenyl ether	BUJ0149-BLK1	ND	mg/kg	0.10	0.015	
Chrysene	BUJ0149-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDD	BUJ0149-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDE	BUJ0149-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDT	BUJ0149-BLK1	ND	mg/kg	0.10	0.019	
Dibenzo[a,h]anthracene	BUJ0149-BLK1	ND	mg/kg	0.10	0.019	
Dibenzofuran	BUJ0149-BLK1	ND	mg/kg	0.10	0.020	
1,2-Dichlorobenzene	BUJ0149-BLK1	ND	mg/kg	0.10	0.020	
1,3-Dichlorobenzene	BUJ0149-BLK1	ND	mg/kg	0.10	0.021	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUJ0149						
1,4-Dichlorobenzene	BUJ0149-BLK1	ND	mg/kg	0.10	0.019	
3,3-Dichlorobenzidine	BUJ0149-BLK1	ND	mg/kg	0.20	0.0067	
Dieldrin	BUJ0149-BLK1	ND	mg/kg	0.10	0.031	
Diethyl phthalate	BUJ0149-BLK1	ND	mg/kg	0.10	0.019	
Dimethyl phthalate	BUJ0149-BLK1	ND	mg/kg	0.10	0.020	
Di-n-butyl phthalate	BUJ0149-BLK1	ND	mg/kg	0.10	0.018	
2,4-Dinitrotoluene	BUJ0149-BLK1	ND	mg/kg	0.10	0.022	
2,6-Dinitrotoluene	BUJ0149-BLK1	ND	mg/kg	0.10	0.018	
Di-n-octyl phthalate	BUJ0149-BLK1	ND	mg/kg	0.10	0.017	
1,2-Diphenylhydrazine	BUJ0149-BLK1	ND	mg/kg	0.10	0.019	
Endosulfan I	BUJ0149-BLK1	ND	mg/kg	0.20	0.020	
Endosulfan II	BUJ0149-BLK1	ND	mg/kg	0.20	0.021	
Endosulfan sulfate	BUJ0149-BLK1	ND	mg/kg	0.10	0.021	
Endrin	BUJ0149-BLK1	ND	mg/kg	0.20	0.025	
Endrin aldehyde	BUJ0149-BLK1	ND	mg/kg	0.50	0.022	
Fluoranthene	BUJ0149-BLK1	ND	mg/kg	0.10	0.017	
Fluorene	BUJ0149-BLK1	ND	mg/kg	0.10	0.019	
Heptachlor	BUJ0149-BLK1	ND	mg/kg	0.10	0.021	
Heptachlor epoxide	BUJ0149-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorobenzene	BUJ0149-BLK1	ND	mg/kg	0.10	0.016	
Hexachlorobutadiene	BUJ0149-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorocyclopentadiene	BUJ0149-BLK1	ND	mg/kg	0.10	0.019	
Hexachloroethane	BUJ0149-BLK1	ND	mg/kg	0.10	0.020	
Indeno[1,2,3-cd]pyrene	BUJ0149-BLK1	ND	mg/kg	0.10	0.072	
Isophorone	BUJ0149-BLK1	ND	mg/kg	0.10	0.017	
2-Methylnaphthalene	BUJ0149-BLK1	ND	mg/kg	0.10	0.018	
Naphthalene	BUJ0149-BLK1	ND	mg/kg	0.10	0.018	
2-Naphthylamine	BUJ0149-BLK1	ND	mg/kg	3.0	0.16	
2-Nitroaniline	BUJ0149-BLK1	ND	mg/kg	0.10	0.018	
3-Nitroaniline	BUJ0149-BLK1	ND	mg/kg	0.20	0.015	
4-Nitroaniline	BUJ0149-BLK1	ND	mg/kg	0.20	0.025	
Nitrobenzene	BUJ0149-BLK1	ND	mg/kg	0.10	0.015	
N-Nitrosodimethylamine	BUJ0149-BLK1	ND	mg/kg	0.10	0.037	
N-Nitrosodi-N-propylamine	BUJ0149-BLK1	ND	mg/kg	0.10	0.021	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUJ0149						
N-Nitrosodiphenylamine	BUJ0149-BLK1	ND	mg/kg	0.10	0.021	
Phenanthrene	BUJ0149-BLK1	ND	mg/kg	0.10	0.018	
Pyrene	BUJ0149-BLK1	ND	mg/kg	0.10	0.017	
1,2,4-Trichlorobenzene	BUJ0149-BLK1	ND	mg/kg	0.10	0.018	
4-Chloro-3-methylphenol	BUJ0149-BLK1	ND	mg/kg	0.20	0.022	
2-Chlorophenol	BUJ0149-BLK1	ND	mg/kg	0.10	0.016	
2,4-Dichlorophenol	BUJ0149-BLK1	ND	mg/kg	0.10	0.017	
2,4-Dimethylphenol	BUJ0149-BLK1	ND	mg/kg	0.10	0.035	
4,6-Dinitro-2-methylphenol	BUJ0149-BLK1	ND	mg/kg	0.50	0.012	
2,4-Dinitrophenol	BUJ0149-BLK1	ND	mg/kg	0.50	0.0077	
2-Methylphenol	BUJ0149-BLK1	ND	mg/kg	0.10	0.017	
3- & 4-Methylphenol	BUJ0149-BLK1	ND	mg/kg	0.20	0.033	
2-Nitrophenol	BUJ0149-BLK1	ND	mg/kg	0.10	0.016	
4-Nitrophenol	BUJ0149-BLK1	ND	mg/kg	0.20	0.018	
Pentachlorophenol	BUJ0149-BLK1	ND	mg/kg	0.20	0.013	
Phenol	BUJ0149-BLK1	ND	mg/kg	0.10	0.016	
2,4,5-Trichlorophenol	BUJ0149-BLK1	ND	mg/kg	0.20	0.018	
2,4,6-Trichlorophenol	BUJ0149-BLK1	ND	mg/kg	0.20	0.017	
2-Fluorophenol (Surrogate)	BUJ0149-BLK1	68.7	%	28 - 144 (LCL - UCL)		
Phenol-d5 (Surrogate)	BUJ0149-BLK1	38.4	%	36 - 136 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BUJ0149-BLK1	86.0	%	31 - 135 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BUJ0149-BLK1	84.7	%	20 - 140 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BUJ0149-BLK1	119	%	20 - 150 (LCL - UCL)		
p-Terphenyl-d14 (Surrogate)	BUJ0149-BLK1	58.7	%	10 - 150 (LCL - UCL)		
QC Batch ID: BUJ0343						
Acenaphthene	BUJ0343-BLK1	ND	mg/kg	0.10	0.018	
Acenaphthylene	BUJ0343-BLK1	ND	mg/kg	0.10	0.019	
Aldrin	BUJ0343-BLK1	ND	mg/kg	0.10	0.024	
Aniline	BUJ0343-BLK1	ND	mg/kg	0.20	0.053	
Anthracene	BUJ0343-BLK1	ND	mg/kg	0.10	0.018	
Benzidine	BUJ0343-BLK1	ND	mg/kg	3.0	0.22	
Benzo[a]anthracene	BUJ0343-BLK1	ND	mg/kg	0.10	0.012	
Benzo[b]fluoranthene	BUJ0343-BLK1	ND	mg/kg	0.10	0.018	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUJ0343						
Benzo[k]fluoranthene	BUJ0343-BLK1	ND	mg/kg	0.10	0.019	
Benzo[a]pyrene	BUJ0343-BLK1	ND	mg/kg	0.10	0.015	
Benzo[g,h,i]perylene	BUJ0343-BLK1	ND	mg/kg	0.10	0.056	
Benzoic acid	BUJ0343-BLK1	ND	mg/kg	0.50	0.067	
Benzyl alcohol	BUJ0343-BLK1	ND	mg/kg	0.10	0.018	
Benzyl butyl phthalate	BUJ0343-BLK1	ND	mg/kg	0.10	0.021	
alpha-BHC	BUJ0343-BLK1	ND	mg/kg	0.10	0.018	
beta-BHC	BUJ0343-BLK1	ND	mg/kg	0.10	0.021	
delta-BHC	BUJ0343-BLK1	ND	mg/kg	0.10	0.018	
gamma-BHC (Lindane)	BUJ0343-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethoxy)methane	BUJ0343-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethyl) ether	BUJ0343-BLK1	ND	mg/kg	0.10	0.016	
bis(2-Chloroisopropyl)ether	BUJ0343-BLK1	ND	mg/kg	0.10	0.021	
bis(2-Ethylhexyl)phthalate	BUJ0343-BLK1	ND	mg/kg	0.20	0.043	
4-Bromophenyl phenyl ether	BUJ0343-BLK1	ND	mg/kg	0.10	0.017	
4-Chloroaniline	BUJ0343-BLK1	ND	mg/kg	0.10	0.027	
2-Chloronaphthalene	BUJ0343-BLK1	ND	mg/kg	0.10	0.020	
4-Chlorophenyl phenyl ether	BUJ0343-BLK1	ND	mg/kg	0.10	0.015	
Chrysene	BUJ0343-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDD	BUJ0343-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDE	BUJ0343-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDT	BUJ0343-BLK1	ND	mg/kg	0.10	0.019	
Dibenzo[a,h]anthracene	BUJ0343-BLK1	ND	mg/kg	0.10	0.019	
Dibenzofuran	BUJ0343-BLK1	ND	mg/kg	0.10	0.020	
1,2-Dichlorobenzene	BUJ0343-BLK1	ND	mg/kg	0.10	0.020	
1,3-Dichlorobenzene	BUJ0343-BLK1	ND	mg/kg	0.10	0.021	
1,4-Dichlorobenzene	BUJ0343-BLK1	ND	mg/kg	0.10	0.019	
3,3-Dichlorobenzidine	BUJ0343-BLK1	ND	mg/kg	0.20	0.0067	
Dieldrin	BUJ0343-BLK1	ND	mg/kg	0.10	0.031	
Diethyl phthalate	BUJ0343-BLK1	ND	mg/kg	0.10	0.019	
Dimethyl phthalate	BUJ0343-BLK1	ND	mg/kg	0.10	0.020	
Di-n-butyl phthalate	BUJ0343-BLK1	ND	mg/kg	0.10	0.018	
2,4-Dinitrotoluene	BUJ0343-BLK1	ND	mg/kg	0.10	0.022	
2,6-Dinitrotoluene	BUJ0343-BLK1	ND	mg/kg	0.10	0.018	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUJ0343						
Di-n-octyl phthalate	BUJ0343-BLK1	ND	mg/kg	0.10	0.017	
1,2-Diphenylhydrazine	BUJ0343-BLK1	ND	mg/kg	0.10	0.019	
Endosulfan I	BUJ0343-BLK1	ND	mg/kg	0.20	0.020	
Endosulfan II	BUJ0343-BLK1	ND	mg/kg	0.20	0.021	
Endosulfan sulfate	BUJ0343-BLK1	ND	mg/kg	0.10	0.021	
Endrin	BUJ0343-BLK1	ND	mg/kg	0.20	0.025	
Endrin aldehyde	BUJ0343-BLK1	ND	mg/kg	0.50	0.022	
Fluoranthene	BUJ0343-BLK1	ND	mg/kg	0.10	0.017	
Fluorene	BUJ0343-BLK1	ND	mg/kg	0.10	0.019	
Heptachlor	BUJ0343-BLK1	ND	mg/kg	0.10	0.021	
Heptachlor epoxide	BUJ0343-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorobenzene	BUJ0343-BLK1	ND	mg/kg	0.10	0.016	
Hexachlorobutadiene	BUJ0343-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorocyclopentadiene	BUJ0343-BLK1	ND	mg/kg	0.10	0.019	
Hexachloroethane	BUJ0343-BLK1	ND	mg/kg	0.10	0.020	
Indeno[1,2,3-cd]pyrene	BUJ0343-BLK1	ND	mg/kg	0.10	0.072	
Isophorone	BUJ0343-BLK1	ND	mg/kg	0.10	0.017	
2-Methylnaphthalene	BUJ0343-BLK1	ND	mg/kg	0.10	0.018	
Naphthalene	BUJ0343-BLK1	ND	mg/kg	0.10	0.018	
2-Naphthylamine	BUJ0343-BLK1	ND	mg/kg	3.0	0.16	
2-Nitroaniline	BUJ0343-BLK1	ND	mg/kg	0.10	0.018	
3-Nitroaniline	BUJ0343-BLK1	ND	mg/kg	0.20	0.015	
4-Nitroaniline	BUJ0343-BLK1	ND	mg/kg	0.20	0.025	
Nitrobenzene	BUJ0343-BLK1	ND	mg/kg	0.10	0.015	
N-Nitrosodimethylamine	BUJ0343-BLK1	ND	mg/kg	0.10	0.037	
N-Nitrosodi-N-propylamine	BUJ0343-BLK1	ND	mg/kg	0.10	0.021	
N-Nitrosodiphenylamine	BUJ0343-BLK1	ND	mg/kg	0.10	0.021	
Phenanthrene	BUJ0343-BLK1	ND	mg/kg	0.10	0.018	
Pyrene	BUJ0343-BLK1	ND	mg/kg	0.10	0.017	
1,2,4-Trichlorobenzene	BUJ0343-BLK1	ND	mg/kg	0.10	0.018	
4-Chloro-3-methylphenol	BUJ0343-BLK1	ND	mg/kg	0.20	0.022	
2-Chlorophenol	BUJ0343-BLK1	ND	mg/kg	0.10	0.016	
2,4-Dichlorophenol	BUJ0343-BLK1	ND	mg/kg	0.10	0.017	
2,4-Dimethylphenol	BUJ0343-BLK1	ND	mg/kg	0.10	0.035	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUJ0343						
4,6-Dinitro-2-methylphenol	BUJ0343-BLK1	ND	mg/kg	0.50	0.012	
2,4-Dinitrophenol	BUJ0343-BLK1	ND	mg/kg	0.50	0.0077	
2-Methylphenol	BUJ0343-BLK1	ND	mg/kg	0.10	0.017	
3- & 4-Methylphenol	BUJ0343-BLK1	ND	mg/kg	0.20	0.033	
2-Nitrophenol	BUJ0343-BLK1	ND	mg/kg	0.10	0.016	
4-Nitrophenol	BUJ0343-BLK1	ND	mg/kg	0.20	0.018	
Pentachlorophenol	BUJ0343-BLK1	ND	mg/kg	0.20	0.013	
Phenol	BUJ0343-BLK1	ND	mg/kg	0.10	0.016	
2,4,5-Trichlorophenol	BUJ0343-BLK1	ND	mg/kg	0.20	0.018	
2,4,6-Trichlorophenol	BUJ0343-BLK1	ND	mg/kg	0.20	0.017	
2-Fluorophenol (Surrogate)	BUJ0343-BLK1	72.8	%	28 - 144 (LCL - UCL)		
Phenol-d5 (Surrogate)	BUJ0343-BLK1	41.7	%	36 - 136 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BUJ0343-BLK1	89.8	%	31 - 135 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BUJ0343-BLK1	88.3	%	20 - 140 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BUJ0343-BLK1	125	%	20 - 150 (LCL - UCL)		
p-Terphenyl-d14 (Surrogate)	BUJ0343-BLK1	76.8	%	10 - 150 (LCL - UCL)		

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BUJ0149										
Acenaphthene	BUJ0149-BS1	LCS	1.3696	1.6611	mg/kg	82.4		40 - 156		
1,4-Dichlorobenzene	BUJ0149-BS1	LCS	1.2986	1.6611	mg/kg	78.2		35 - 153		
2,4-Dinitrotoluene	BUJ0149-BS1	LCS	1.5752	1.6611	mg/kg	94.8		30 - 150		
Hexachlorobenzene	BUJ0149-BS1	LCS	1.4684	1.6611	mg/kg	88.4		45 - 143		
Hexachlorobutadiene	BUJ0149-BS1	LCS	1.2658	1.6611	mg/kg	76.2		29 - 144		
Hexachloroethane	BUJ0149-BS1	LCS	1.3964	1.6611	mg/kg	84.1		39 - 151		
Nitrobenzene	BUJ0149-BS1	LCS	1.3141	1.6611	mg/kg	79.1		31 - 143		
N-Nitrosodi-N-propylamine	BUJ0149-BS1	LCS	1.0663	1.6611	mg/kg	64.2		45 - 135		
Pyrene	BUJ0149-BS1	LCS	1.1376	1.6611	mg/kg	68.5		40 - 150		
1,2,4-Trichlorobenzene	BUJ0149-BS1	LCS	1.4636	1.6611	mg/kg	88.1		31 - 166		
4-Chloro-3-methylphenol	BUJ0149-BS1	LCS	1.3682	1.6611	mg/kg	82.4		46 - 134		
2-Chlorophenol	BUJ0149-BS1	LCS	1.1191	1.6611	mg/kg	67.4		31 - 134		
2-Methylphenol	BUJ0149-BS1	LCS	1.2028	1.6611	mg/kg	72.4		37 - 148		
3- & 4-Methylphenol	BUJ0149-BS1	LCS	2.3039	3.3223	mg/kg	69.3		41 - 113		
4-Nitrophenol	BUJ0149-BS1	LCS	1.4479	1.6611	mg/kg	87.2		21 - 144		
Pentachlorophenol	BUJ0149-BS1	LCS	1.4007	1.6611	mg/kg	84.3		21 - 126		
Phenol	BUJ0149-BS1	LCS	2.0122	1.6611	mg/kg	121		40 - 117		
2,4,6-Trichlorophenol	BUJ0149-BS1	LCS	1.3571	1.6611	mg/kg	81.7		36 - 139		
2-Fluorophenol (Surrogate)	BUJ0149-BS1	LCS	1.8880	2.6578	mg/kg	71.0		28 - 144		
Phenol-d5 (Surrogate)	BUJ0149-BS1	LCS	1.0857	2.6578	mg/kg	40.8		36 - 136		
Nitrobenzene-d5 (Surrogate)	BUJ0149-BS1	LCS	2.3558	2.6578	mg/kg	88.6		31 - 135		
2-Fluorobiphenyl (Surrogate)	BUJ0149-BS1	LCS	2.3910	2.6578	mg/kg	90.0		20 - 140		
2,4,6-Tribromophenol (Surrogate)	BUJ0149-BS1	LCS	3.4047	2.6578	mg/kg	128		20 - 150		
p-Terphenyl-d14 (Surrogate)	BUJ0149-BS1	LCS	0.83322	1.3289	mg/kg	62.7		10 - 150		
QC Batch ID: BUJ0343										
Acenaphthene	BUJ0343-BS1	LCS	1.3673	1.6835	mg/kg	81.2		40 - 156		
1,4-Dichlorobenzene	BUJ0343-BS1	LCS	1.3036	1.6835	mg/kg	77.4		35 - 153		
2,4-Dinitrotoluene	BUJ0343-BS1	LCS	1.3953	1.6835	mg/kg	82.9		30 - 150		
Hexachlorobenzene	BUJ0343-BS1	LCS	1.3839	1.6835	mg/kg	82.2		45 - 143		
Hexachlorobutadiene	BUJ0343-BS1	LCS	1.2675	1.6835	mg/kg	75.3		29 - 144		
Hexachloroethane	BUJ0343-BS1	LCS	0.72666	1.6835	mg/kg	43.2		39 - 151		
Nitrobenzene	BUJ0343-BS1	LCS	1.3126	1.6835	mg/kg	78.0		31 - 143		
N-Nitrosodi-N-propylamine	BUJ0343-BS1	LCS	1.0700	1.6835	mg/kg	63.6		45 - 135		

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Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BUJ0343										
Pyrene	BUJ0343-BS1	LCS	1.3833	1.6835	mg/kg	82.2		40 - 150		
1,2,4-Trichlorobenzene	BUJ0343-BS1	LCS	1.5319	1.6835	mg/kg	91.0		31 - 166		
4-Chloro-3-methylphenol	BUJ0343-BS1	LCS	1.3534	1.6835	mg/kg	80.4		46 - 134		
2-Chlorophenol	BUJ0343-BS1	LCS	1.0984	1.6835	mg/kg	65.2		31 - 134		
2-Methylphenol	BUJ0343-BS1	LCS	1.1880	1.6835	mg/kg	70.6		37 - 148		
3- & 4-Methylphenol	BUJ0343-BS1	LCS	2.3681	3.3670	mg/kg	70.3		41 - 113		
4-Nitrophenol	BUJ0343-BS1	LCS	1.3045	1.6835	mg/kg	77.5		21 - 144		
Pentachlorophenol	BUJ0343-BS1	LCS	1.0764	1.6835	mg/kg	63.9		21 - 126		
Phenol	BUJ0343-BS1	LCS	2.0089	1.6835	mg/kg	119		40 - 117		L21
2,4,6-Trichlorophenol	BUJ0343-BS1	LCS	1.3110	1.6835	mg/kg	77.9		36 - 139		
2-Fluorophenol (Surrogate)	BUJ0343-BS1	LCS	1.8796	2.6936	mg/kg	69.8		28 - 144		
Phenol-d5 (Surrogate)	BUJ0343-BS1	LCS	1.0712	2.6936	mg/kg	39.8		36 - 136		
Nitrobenzene-d5 (Surrogate)	BUJ0343-BS1	LCS	2.2817	2.6936	mg/kg	84.7		31 - 135		
2-Fluorobiphenyl (Surrogate)	BUJ0343-BS1	LCS	2.3043	2.6936	mg/kg	85.5		20 - 140		
2,4,6-Tribromophenol (Surrogate)	BUJ0343-BS1	LCS	3.1460	2.6936	mg/kg	117		20 - 150		
p-Terphenyl-d14 (Surrogate)	BUJ0343-BS1	LCS	0.93220	1.3468	mg/kg	69.2		10 - 150		

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUJ0149	Used client sample: Y - Description: B-9-10-D, 09/20/2011 09:05										
Acenaphthene	MS	1115416-23	ND	1.2653	1.6502	mg/kg		76.7		26 - 166	
	MSD	1115416-23	ND	1.3494	1.6502	mg/kg	6.4	81.8	30	26 - 166	
1,4-Dichlorobenzene	MS	1115416-23	ND	1.2014	1.6502	mg/kg		72.8		20 - 164	
	MSD	1115416-23	ND	1.3387	1.6502	mg/kg	10.8	81.1	30	20 - 164	
2,4-Dinitrotoluene	MS	1115416-23	ND	1.3814	1.6502	mg/kg		83.7		30 - 200	
	MSD	1115416-23	ND	1.4393	1.6502	mg/kg	4.1	87.2	30	30 - 200	
Hexachlorobenzene	MS	1115416-23	ND	1.2806	1.6502	mg/kg		77.6		26 - 152	
	MSD	1115416-23	ND	1.4494	1.6502	mg/kg	12.4	87.8	30	26 - 152	
Hexachlorobutadiene	MS	1115416-23	ND	1.1298	1.6502	mg/kg		68.5		20 - 140	
	MSD	1115416-23	ND	1.2486	1.6502	mg/kg	10.0	75.7	30	20 - 140	
Hexachloroethane	MS	1115416-23	ND	1.2771	1.6502	mg/kg		77.4		30 - 140	
	MSD	1115416-23	ND	1.4019	1.6502	mg/kg	9.3	85.0	30	30 - 140	
Nitrobenzene	MS	1115416-23	ND	1.1418	1.6502	mg/kg		69.2		20 - 140	
	MSD	1115416-23	ND	1.2971	1.6502	mg/kg	12.7	78.6	30	20 - 140	
N-Nitrosodi-N-propylamine	MS	1115416-23	ND	1.0228	1.6502	mg/kg		62.0		30 - 140	
	MSD	1115416-23	ND	1.1261	1.6502	mg/kg	9.6	68.2	30	30 - 140	
Pyrene	MS	1115416-23	ND	1.1547	1.6502	mg/kg		70.0		30 - 150	
	MSD	1115416-23	ND	1.2176	1.6502	mg/kg	5.3	73.8	30	30 - 150	
1,2,4-Trichlorobenzene	MS	1115416-23	ND	1.3468	1.6502	mg/kg		81.6		20 - 166	
	MSD	1115416-23	ND	1.4983	1.6502	mg/kg	10.7	90.8	30	20 - 166	
4-Chloro-3-methylphenol	MS	1115416-23	ND	1.2725	1.6502	mg/kg		77.1		37 - 137	
	MSD	1115416-23	ND	1.3675	1.6502	mg/kg	7.2	82.9	30	37 - 137	
2-Chlorophenol	MS	1115416-23	ND	1.0300	1.6502	mg/kg		62.4		27 - 140	
	MSD	1115416-23	ND	1.1654	1.6502	mg/kg	12.3	70.6	30	27 - 140	
2-Methylphenol	MS	1115416-23	ND	1.0915	1.6502	mg/kg		66.1		22 - 163	
	MSD	1115416-23	ND	1.2028	1.6502	mg/kg	9.7	72.9	30	22 - 163	
3- & 4-Methylphenol	MS	1115416-23	ND	2.1404	3.3003	mg/kg		64.9		31 - 123	
	MSD	1115416-23	ND	2.3666	3.3003	mg/kg	10.0	71.7	30	31 - 123	
4-Nitrophenol	MS	1115416-23	ND	1.4203	1.6502	mg/kg		86.1		20 - 149	
	MSD	1115416-23	ND	1.4936	1.6502	mg/kg	5.0	90.5	30	20 - 149	
Pentachlorophenol	MS	1115416-23	ND	1.3442	1.6502	mg/kg		81.5		20 - 130	
	MSD	1115416-23	ND	1.4431	1.6502	mg/kg	7.1	87.5	30	20 - 130	
Phenol	MS	1115416-23	ND	1.9017	1.6502	mg/kg		115		22 - 135	
	MSD	1115416-23	ND	2.0674	1.6502	mg/kg	8.4	125	30	22 - 135	
2,4,6-Trichlorophenol	MS	1115416-23	ND	1.2514	1.6502	mg/kg		75.8		31 - 147	
	MSD	1115416-23	ND	1.3506	1.6502	mg/kg	7.6	81.8	30	31 - 147	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUJ0149	Used client sample: Y - Description: B-9-10-D, 09/20/2011 09:05										
2-Fluorophenol (Surrogate)	MS	1115416-23	ND	1.7968	2.6403	mg/kg		68.1		28 - 144	
	MSD	1115416-23	ND	1.9545	2.6403	mg/kg	8.4	74.0		28 - 144	
Phenol-d5 (Surrogate)	MS	1115416-23	ND	1.0300	2.6403	mg/kg		39.0		36 - 136	
	MSD	1115416-23	ND	1.1000	2.6403	mg/kg	6.6	41.7		36 - 136	
Nitrobenzene-d5 (Surrogate)	MS	1115416-23	ND	2.1201	2.6403	mg/kg		80.3		31 - 135	
	MSD	1115416-23	ND	2.3465	2.6403	mg/kg	10.1	88.9		31 - 135	
2-Fluorobiphenyl (Surrogate)	MS	1115416-23	ND	2.1549	2.6403	mg/kg		81.6		20 - 140	
	MSD	1115416-23	ND	2.2314	2.6403	mg/kg	3.5	84.5		20 - 140	
2,4,6-Tribromophenol (Surrogate)	MS	1115416-23	ND	3.0607	2.6403	mg/kg		116		20 - 150	
	MSD	1115416-23	ND	3.3663	2.6403	mg/kg	9.5	127		20 - 150	
p-Terphenyl-d14 (Surrogate)	MS	1115416-23	ND	0.80233	1.3201	mg/kg		60.8		10 - 150	
	MSD	1115416-23	ND	0.87780	1.3201	mg/kg	9.0	66.5		10 - 150	
QC Batch ID: BUJ0343	Used client sample: Y - Description: B-1-5, 09/19/2011 08:50										
Acenaphthene	MS	1115416-01	ND	1.3034	1.6611	mg/kg		78.5		26 - 166	
	MSD	1115416-01	ND	1.1704	1.6835	mg/kg	10.8	69.5	30	26 - 166	
1,4-Dichlorobenzene	MS	1115416-01	ND	1.2943	1.6611	mg/kg		77.9		20 - 164	
	MSD	1115416-01	ND	1.1931	1.6835	mg/kg	8.1	70.9	30	20 - 164	
2,4-Dinitrotoluene	MS	1115416-01	ND	1.3559	1.6611	mg/kg		81.6		30 - 200	
	MSD	1115416-01	ND	1.2092	1.6835	mg/kg	11.4	71.8	30	30 - 200	
Hexachlorobenzene	MS	1115416-01	ND	1.2579	1.6611	mg/kg		75.7		26 - 152	
	MSD	1115416-01	ND	1.1878	1.6835	mg/kg	5.7	70.6	30	26 - 152	
Hexachlorobutadiene	MS	1115416-01	ND	1.2096	1.6611	mg/kg		72.8		20 - 140	
	MSD	1115416-01	ND	1.0409	1.6835	mg/kg	15.0	61.8	30	20 - 140	
Hexachloroethane	MS	1115416-01	ND	0.91502	1.6611	mg/kg		55.1		30 - 140	
	MSD	1115416-01	ND	0.79477	1.6835	mg/kg	14.1	47.2	30	30 - 140	
Nitrobenzene	MS	1115416-01	ND	1.2954	1.6611	mg/kg		78.0		20 - 140	
	MSD	1115416-01	ND	1.1721	1.6835	mg/kg	10.0	69.6	30	20 - 140	
N-Nitrosodi-N-propylamine	MS	1115416-01	ND	1.1566	1.6611	mg/kg		69.6		30 - 140	
	MSD	1115416-01	ND	1.0213	1.6835	mg/kg	12.4	60.7	30	30 - 140	
Pyrene	MS	1115416-01	ND	1.2653	1.6611	mg/kg		76.2		30 - 150	
	MSD	1115416-01	ND	1.1772	1.6835	mg/kg	7.2	69.9	30	30 - 150	
1,2,4-Trichlorobenzene	MS	1115416-01	ND	1.4734	1.6611	mg/kg		88.7		20 - 166	
	MSD	1115416-01	ND	1.2914	1.6835	mg/kg	13.2	76.7	30	20 - 166	
4-Chloro-3-methylphenol	MS	1115416-01	ND	1.3618	1.6611	mg/kg		82.0		37 - 137	
	MSD	1115416-01	ND	1.2434	1.6835	mg/kg	9.1	73.9	30	37 - 137	
2-Chlorophenol	MS	1115416-01	ND	1.1749	1.6611	mg/kg		70.7		27 - 140	
	MSD	1115416-01	ND	1.1283	1.6835	mg/kg	4.0	67.0	30	27 - 140	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUJ0343	Used client sample: Y - Description: B-1-5, 09/19/2011 08:50										
2-Methylphenol	MS	1115416-01	ND	1.3497	1.6611	mg/kg		81.2		22 - 163	
	MSD	1115416-01	ND	1.2215	1.6835	mg/kg	10.0	72.6	30	22 - 163	
3- & 4-Methylphenol	MS	1115416-01	ND	2.5791	3.3223	mg/kg		77.6		31 - 123	
	MSD	1115416-01	ND	2.4374	3.3670	mg/kg	5.6	72.4	30	31 - 123	
4-Nitrophenol	MS	1115416-01	ND	1.5819	1.6611	mg/kg		95.2		20 - 149	
	MSD	1115416-01	ND	1.3834	1.6835	mg/kg	13.4	82.2	30	20 - 149	
Pentachlorophenol	MS	1115416-01	ND	1.3214	1.6611	mg/kg		79.5		20 - 130	
	MSD	1115416-01	ND	1.2125	1.6835	mg/kg	8.6	72.0	30	20 - 130	
Phenol	MS	1115416-01	ND	2.1745	1.6611	mg/kg		131		22 - 135	
	MSD	1115416-01	ND	2.0303	1.6835	mg/kg	6.9	121	30	22 - 135	
2,4,6-Trichlorophenol	MS	1115416-01	ND	1.4158	1.6611	mg/kg		85.2		31 - 147	
	MSD	1115416-01	ND	1.3436	1.6835	mg/kg	5.2	79.8	30	31 - 147	
2-Fluorophenol (Surrogate)	MS	1115416-01	ND	2.0767	2.6578	mg/kg		78.1		28 - 144	
	MSD	1115416-01	ND	1.9410	2.6936	mg/kg	6.8	72.1		28 - 144	
Phenol-d5 (Surrogate)	MS	1115416-01	ND	1.1542	2.6578	mg/kg		43.4		36 - 136	
	MSD	1115416-01	ND	1.1090	2.6936	mg/kg	4.0	41.2		36 - 136	
Nitrobenzene-d5 (Surrogate)	MS	1115416-01	ND	2.4203	2.6578	mg/kg		91.1		31 - 135	
	MSD	1115416-01	ND	2.2678	2.6936	mg/kg	6.5	84.2		31 - 135	
2-Fluorobiphenyl (Surrogate)	MS	1115416-01	ND	2.3532	2.6578	mg/kg		88.5		20 - 140	
	MSD	1115416-01	ND	2.0622	2.6936	mg/kg	13.2	76.6		20 - 140	
2,4,6-Tribromophenol (Surrogate)	MS	1115416-01	ND	3.3671	2.6578	mg/kg		127		20 - 150	
	MSD	1115416-01	ND	3.1625	2.6936	mg/kg	6.3	117		20 - 150	
p-Terphenyl-d14 (Surrogate)	MS	1115416-01	ND	0.89535	1.3289	mg/kg		67.4		10 - 150	
	MSD	1115416-01	ND	0.80970	1.3468	mg/kg	10.0	60.1		10 - 150	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUJ0255						
TPH - Light Naptha	BUJ0255-BLK1	ND	mg/kg	50	20	
TPH - Aviation Gas	BUJ0255-BLK1	ND	mg/kg	50	20	
TPH - Stoddard Solvent	BUJ0255-BLK1	ND	mg/kg	20	5.0	
TPH - Heavy Naptha	BUJ0255-BLK1	ND	mg/kg	10	5.0	
TPH - Gasoline	BUJ0255-BLK1	ND	mg/kg	20	5.0	
TPH - Jet Fuel (JP4)	BUJ0255-BLK1	ND	mg/kg	10	5.0	
TPH - Jet Fuel (JP5)	BUJ0255-BLK1	ND	mg/kg	10	4.6	
TPH - Jet Fuel (JP8)	BUJ0255-BLK1	ND	mg/kg	10	5.0	
TPH - Kerosene	BUJ0255-BLK1	ND	mg/kg	10	1.4	
TPH - Diesel (FFP)	BUJ0255-BLK1	ND	mg/kg	10	1.2	
TPH - Fuel Oil #6	BUJ0255-BLK1	ND	mg/kg	10	5.0	
TPH - Crude Oil	BUJ0255-BLK1	ND	mg/kg	20	2.8	
TPH - Hydraulic Oil / Motor Oil	BUJ0255-BLK1	ND	mg/kg	20	6.5	
TPH - WD-40	BUJ0255-BLK1	ND	mg/kg	10	5.0	
Tetracosane (Surrogate)	BUJ0255-BLK1	83.5	%	20 - 145 (LCL - UCL)		
QC Batch ID: BUJ0256						
TPH - Light Naptha	BUJ0256-BLK1	ND	mg/kg	50	20	
TPH - Aviation Gas	BUJ0256-BLK1	ND	mg/kg	50	20	
TPH - Stoddard Solvent	BUJ0256-BLK1	ND	mg/kg	20	5.0	
TPH - Heavy Naptha	BUJ0256-BLK1	ND	mg/kg	10	5.0	
TPH - Gasoline	BUJ0256-BLK1	ND	mg/kg	20	5.0	
TPH - Jet Fuel (JP4)	BUJ0256-BLK1	ND	mg/kg	10	5.0	
TPH - Jet Fuel (JP5)	BUJ0256-BLK1	ND	mg/kg	10	4.6	
TPH - Jet Fuel (JP8)	BUJ0256-BLK1	ND	mg/kg	10	5.0	
TPH - Kerosene	BUJ0256-BLK1	ND	mg/kg	10	1.4	
TPH - Diesel (FFP)	BUJ0256-BLK1	ND	mg/kg	10	1.2	
TPH - Fuel Oil #6	BUJ0256-BLK1	ND	mg/kg	10	5.0	
TPH - Crude Oil	BUJ0256-BLK1	ND	mg/kg	20	2.8	
TPH - Hydraulic Oil / Motor Oil	BUJ0256-BLK1	ND	mg/kg	20	6.5	
TPH - WD-40	BUJ0256-BLK1	ND	mg/kg	10	5.0	
Tetracosane (Surrogate)	BUJ0256-BLK1	82.7	%	20 - 145 (LCL - UCL)		

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BUJ0255										
TPH - Diesel (FFP)	BUJ0255-BS1	LCS	74.564	83.333	mg/kg	89.5		64 - 124		
Tetracosane (Surrogate)	BUJ0255-BS1	LCS	2.8056	3.3333	mg/kg	84.2		20 - 145		
QC Batch ID: BUJ0256										
TPH - Diesel (FFP)	BUJ0256-BS1	LCS	79.818	84.459	mg/kg	94.5		64 - 124		
Tetracosane (Surrogate)	BUJ0256-BS1	LCS	2.8853	3.3784	mg/kg	85.4		20 - 145		

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUJ0255	Used client sample: Y - Description: B-4-10-D, 09/20/2011 11:03										
TPH - Diesel (FFP)	MS	1115416-24	ND	82.795	82.508	mg/kg		100		52 - 131	
	MSD	1115416-24	ND	69.709	84.459	mg/kg	17.2	82.5	30	52 - 131	
Tetracosane (Surrogate)	MS	1115416-24	ND	2.9849	3.3003	mg/kg		90.4		20 - 145	
	MSD	1115416-24	ND	2.6728	3.3784	mg/kg	11.0	79.1		20 - 145	
QC Batch ID: BUJ0256	Used client sample: Y - Description: B-1-10, 09/19/2011 08:55										
TPH - Diesel (FFP)	MS	1115416-02	ND	88.999	83.333	mg/kg		107		52 - 131	
	MSD	1115416-02	ND	89.302	84.459	mg/kg	0.3	106	30	52 - 131	
Tetracosane (Surrogate)	MS	1115416-02	ND	3.1865	3.3333	mg/kg		95.6		20 - 145	
	MSD	1115416-02	ND	3.2389	3.3784	mg/kg	1.6	95.9		20 - 145	

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Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUI1659						
Mercury	BUI1659-BLK1	ND	mg/kg	0.16	0.024	
QC Batch ID: BUI1739						
Antimony	BUI1739-BLK1	ND	mg/kg	5.0	0.50	
Arsenic	BUI1739-BLK1	ND	mg/kg	1.0	0.38	
Barium	BUI1739-BLK1	ND	mg/kg	0.50	0.077	
Beryllium	BUI1739-BLK1	ND	mg/kg	0.50	0.050	
Cadmium	BUI1739-BLK1	ND	mg/kg	0.50	0.050	
Chromium	BUI1739-BLK1	ND	mg/kg	0.50	0.060	
Cobalt	BUI1739-BLK1	ND	mg/kg	2.5	0.25	
Copper	BUI1739-BLK1	ND	mg/kg	1.0	0.12	
Lead	BUI1739-BLK1	ND	mg/kg	2.5	0.25	
Molybdenum	BUI1739-BLK1	ND	mg/kg	2.5	0.25	
Nickel	BUI1739-BLK1	ND	mg/kg	0.50	0.058	
Selenium	BUI1739-BLK1	ND	mg/kg	1.0	0.51	
Silver	BUI1739-BLK1	0.062786	mg/kg	0.50	0.050	J
Thallium	BUI1739-BLK1	ND	mg/kg	5.0	0.73	
Vanadium	BUI1739-BLK1	ND	mg/kg	0.50	0.050	
Zinc	BUI1739-BLK1	0.38473	mg/kg	2.5	0.25	J
QC Batch ID: BUI1770						
Mercury	BUI1770-BLK1	ND	mg/kg	0.16	0.024	
QC Batch ID: BUI1866						
Antimony	BUI1866-BLK1	ND	mg/kg	5.0	0.50	
Arsenic	BUI1866-BLK1	ND	mg/kg	1.0	0.38	
Barium	BUI1866-BLK1	ND	mg/kg	0.50	0.077	
Beryllium	BUI1866-BLK1	ND	mg/kg	0.50	0.050	
Cadmium	BUI1866-BLK1	ND	mg/kg	0.50	0.050	
Chromium	BUI1866-BLK1	ND	mg/kg	0.50	0.060	
Cobalt	BUI1866-BLK1	ND	mg/kg	2.5	0.25	
Copper	BUI1866-BLK1	ND	mg/kg	1.0	0.12	
Lead	BUI1866-BLK1	ND	mg/kg	2.5	0.25	
Molybdenum	BUI1866-BLK1	ND	mg/kg	2.5	0.25	
Nickel	BUI1866-BLK1	ND	mg/kg	0.50	0.058	
Selenium	BUI1866-BLK1	ND	mg/kg	1.0	0.51	

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Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUI1866						
Silver	BUI1866-BLK1	ND	mg/kg	0.50	0.050	
Thallium	BUI1866-BLK1	ND	mg/kg	5.0	0.73	
Vanadium	BUI1866-BLK1	ND	mg/kg	0.50	0.050	
Zinc	BUI1866-BLK1	0.55045	mg/kg	2.5	0.25	J
QC Batch ID: BUJ0080						
Antimony	BUJ0080-BLK1	ND	mg/kg	5.0	0.50	
Arsenic	BUJ0080-BLK1	ND	mg/kg	1.0	0.38	
Barium	BUJ0080-BLK1	0.078983	mg/kg	0.50	0.077	J
Beryllium	BUJ0080-BLK1	ND	mg/kg	0.50	0.050	
Cadmium	BUJ0080-BLK1	ND	mg/kg	0.50	0.050	
Chromium	BUJ0080-BLK1	ND	mg/kg	0.50	0.060	
Cobalt	BUJ0080-BLK1	ND	mg/kg	2.5	0.25	
Copper	BUJ0080-BLK1	ND	mg/kg	1.0	0.12	
Lead	BUJ0080-BLK1	ND	mg/kg	2.5	0.25	
Molybdenum	BUJ0080-BLK1	ND	mg/kg	2.5	0.25	
Nickel	BUJ0080-BLK1	0.15872	mg/kg	0.50	0.058	J
Selenium	BUJ0080-BLK1	ND	mg/kg	1.0	0.51	
Silver	BUJ0080-BLK1	0.089621	mg/kg	0.50	0.050	J
Thallium	BUJ0080-BLK1	ND	mg/kg	5.0	0.73	
Vanadium	BUJ0080-BLK1	ND	mg/kg	0.50	0.050	
Zinc	BUJ0080-BLK1	0.49232	mg/kg	2.5	0.25	J

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BUI1659										
Mercury	BUI1659-BS1	LCS	0.82000	0.80000	mg/kg	102		80 - 120		
QC Batch ID: BUI1739										
Antimony	BUI1739-BS1	LCS	95.771	100.00	mg/kg	95.8		75 - 125		
Arsenic	BUI1739-BS1	LCS	10.047	10.000	mg/kg	100		75 - 125		
Barium	BUI1739-BS1	LCS	101.96	100.00	mg/kg	102		75 - 125		
Beryllium	BUI1739-BS1	LCS	10.200	10.000	mg/kg	102		75 - 125		
Cadmium	BUI1739-BS1	LCS	9.9668	10.000	mg/kg	99.7		75 - 125		
Chromium	BUI1739-BS1	LCS	100.22	100.00	mg/kg	100		75 - 125		
Cobalt	BUI1739-BS1	LCS	104.39	100.00	mg/kg	104		75 - 125		
Copper	BUI1739-BS1	LCS	101.26	100.00	mg/kg	101		75 - 125		
Lead	BUI1739-BS1	LCS	105.50	100.00	mg/kg	106		75 - 125		
Molybdenum	BUI1739-BS1	LCS	99.400	100.00	mg/kg	99.4		75 - 125		
Nickel	BUI1739-BS1	LCS	103.71	100.00	mg/kg	104		75 - 125		
Selenium	BUI1739-BS1	LCS	10.915	10.000	mg/kg	109		75 - 125		
Silver	BUI1739-BS1	LCS	10.113	10.000	mg/kg	101		75 - 125		
Thallium	BUI1739-BS1	LCS	107.01	100.00	mg/kg	107		75 - 125		
Vanadium	BUI1739-BS1	LCS	96.333	100.00	mg/kg	96.3		75 - 125		
Zinc	BUI1739-BS1	LCS	103.40	100.00	mg/kg	103		75 - 125		
QC Batch ID: BUI1770										
Mercury	BUI1770-BS1	LCS	0.82304	0.80000	mg/kg	103		80 - 120		
QC Batch ID: BUI1866										
Antimony	BUI1866-BS1	LCS	94.688	100.00	mg/kg	94.7		75 - 125		
Arsenic	BUI1866-BS1	LCS	9.5759	10.000	mg/kg	95.8		75 - 125		
Barium	BUI1866-BS1	LCS	100.94	100.00	mg/kg	101		75 - 125		
Beryllium	BUI1866-BS1	LCS	10.026	10.000	mg/kg	100		75 - 125		
Cadmium	BUI1866-BS1	LCS	9.7274	10.000	mg/kg	97.3		75 - 125		
Chromium	BUI1866-BS1	LCS	98.705	100.00	mg/kg	98.7		75 - 125		
Cobalt	BUI1866-BS1	LCS	101.59	100.00	mg/kg	102		75 - 125		
Copper	BUI1866-BS1	LCS	97.561	100.00	mg/kg	97.6		75 - 125		
Lead	BUI1866-BS1	LCS	103.66	100.00	mg/kg	104		75 - 125		
Molybdenum	BUI1866-BS1	LCS	96.312	100.00	mg/kg	96.3		75 - 125		
Nickel	BUI1866-BS1	LCS	100.82	100.00	mg/kg	101		75 - 125		
Selenium	BUI1866-BS1	LCS	10.205	10.000	mg/kg	102		75 - 125		

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BUI1866										
Silver	BUI1866-BS1	LCS	9.8286	10.000	mg/kg	98.3		75 - 125		
Thallium	BUI1866-BS1	LCS	106.31	100.00	mg/kg	106		75 - 125		
Vanadium	BUI1866-BS1	LCS	94.590	100.00	mg/kg	94.6		75 - 125		
Zinc	BUI1866-BS1	LCS	101.48	100.00	mg/kg	101		75 - 125		
QC Batch ID: BUJ0080										
Antimony	BUJ0080-BS1	LCS	101.78	100.00	mg/kg	102		75 - 125		
Arsenic	BUJ0080-BS1	LCS	10.334	10.000	mg/kg	103		75 - 125		
Barium	BUJ0080-BS1	LCS	104.92	100.00	mg/kg	105		75 - 125		
Beryllium	BUJ0080-BS1	LCS	10.522	10.000	mg/kg	105		75 - 125		
Cadmium	BUJ0080-BS1	LCS	10.383	10.000	mg/kg	104		75 - 125		
Chromium	BUJ0080-BS1	LCS	102.98	100.00	mg/kg	103		75 - 125		
Cobalt	BUJ0080-BS1	LCS	108.55	100.00	mg/kg	109		75 - 125		
Copper	BUJ0080-BS1	LCS	101.90	100.00	mg/kg	102		75 - 125		
Lead	BUJ0080-BS1	LCS	109.67	100.00	mg/kg	110		75 - 125		
Molybdenum	BUJ0080-BS1	LCS	102.77	100.00	mg/kg	103		75 - 125		
Nickel	BUJ0080-BS1	LCS	108.50	100.00	mg/kg	108		75 - 125		
Selenium	BUJ0080-BS1	LCS	10.929	10.000	mg/kg	109		75 - 125		
Silver	BUJ0080-BS1	LCS	10.129	10.000	mg/kg	101		75 - 125		
Thallium	BUJ0080-BS1	LCS	110.32	100.00	mg/kg	110		75 - 125		
Vanadium	BUJ0080-BS1	LCS	103.03	100.00	mg/kg	103		75 - 125		
Zinc	BUJ0080-BS1	LCS	105.05	100.00	mg/kg	105		75 - 125		

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUI1659	Used client sample: N										
Mercury	DUP	1115365-01	ND	ND		mg/kg			20		
	MS	1115365-01	ND	0.82079	0.79365	mg/kg		103		80 - 120	
	MSD	1115365-01	ND	0.84857	0.79365	mg/kg	3.3	107	20	80 - 120	
QC Batch ID: BUI1739	Used client sample: N										
Antimony	DUP	1115404-10	1.5223	1.5117		mg/kg	0.7		20		J
	MS	1115404-10	1.5223	54.943	100.00	mg/kg		53.4		16 - 119	
	MSD	1115404-10	1.5223	51.402	100.00	mg/kg	6.7	49.9	20	16 - 119	
Arsenic	DUP	1115404-10	4.5077	4.5032		mg/kg	0.1		20		
	MS	1115404-10	4.5077	14.368	10.000	mg/kg		98.6		75 - 125	
	MSD	1115404-10	4.5077	13.385	10.000	mg/kg	7.1	88.8	20	75 - 125	
Barium	DUP	1115404-10	80.275	79.665		mg/kg	0.8		20		
	MS	1115404-10	80.275	188.44	100.00	mg/kg		108		75 - 125	
	MSD	1115404-10	80.275	177.37	100.00	mg/kg	6.0	97.1	20	75 - 125	
Beryllium	DUP	1115404-10	0.48634	0.48248		mg/kg	0.8		20		J
	MS	1115404-10	0.48634	10.633	10.000	mg/kg		101		75 - 125	
	MSD	1115404-10	0.48634	10.375	10.000	mg/kg	2.5	98.9	20	75 - 125	
Cadmium	DUP	1115404-10	0.21405	0.19283		mg/kg	10.4		20		J
	MS	1115404-10	0.21405	10.167	10.000	mg/kg		99.5		75 - 125	
	MSD	1115404-10	0.21405	9.9741	10.000	mg/kg	1.9	97.6	20	75 - 125	
Chromium	DUP	1115404-10	13.182	13.082		mg/kg	0.8		20		
	MS	1115404-10	13.182	113.26	100.00	mg/kg		100		75 - 125	
	MSD	1115404-10	13.182	108.59	100.00	mg/kg	4.2	95.4	20	75 - 125	
Cobalt	DUP	1115404-10	4.9034	4.7506		mg/kg	3.2		20		
	MS	1115404-10	4.9034	103.22	100.00	mg/kg		98.3		75 - 125	
	MSD	1115404-10	4.9034	101.02	100.00	mg/kg	2.2	96.1	20	75 - 125	
Copper	DUP	1115404-10	7.8218	7.8138		mg/kg	0.1		20		
	MS	1115404-10	7.8218	110.10	100.00	mg/kg		102		75 - 125	
	MSD	1115404-10	7.8218	107.88	100.00	mg/kg	2.0	100	20	75 - 125	
Lead	DUP	1115404-10	4.3006	4.1928		mg/kg	2.5		20		
	MS	1115404-10	4.3006	103.87	100.00	mg/kg		99.6		75 - 125	
	MSD	1115404-10	4.3006	101.97	100.00	mg/kg	1.8	97.7	20	75 - 125	
Molybdenum	DUP	1115404-10	0.50145	0.47313		mg/kg	5.8		20		J
	MS	1115404-10	0.50145	92.807	100.00	mg/kg		92.3		75 - 125	
	MSD	1115404-10	0.50145	90.853	100.00	mg/kg	2.1	90.4	20	75 - 125	
Nickel	DUP	1115404-10	14.994	14.459		mg/kg	3.6		20		
	MS	1115404-10	14.994	114.70	100.00	mg/kg		99.7		75 - 125	
	MSD	1115404-10	14.994	110.60	100.00	mg/kg	3.6	95.6	20	75 - 125	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUI1739	Used client sample: N										
Selenium	DUP	1115404-10	ND	ND		mg/kg			20		
	MS	1115404-10	ND	11.157	10.000	mg/kg		112		75 - 125	
	MSD	1115404-10	ND	10.325	10.000	mg/kg	7.7	103	20	75 - 125	
Silver	DUP	1115404-10	ND	ND		mg/kg			20		
	MS	1115404-10	ND	9.4973	10.000	mg/kg		95.0		75 - 125	
	MSD	1115404-10	ND	9.5589	10.000	mg/kg	0.6	95.6	20	75 - 125	
Thallium	DUP	1115404-10	ND	ND		mg/kg			20		
	MS	1115404-10	ND	98.771	100.00	mg/kg		98.8		75 - 125	
	MSD	1115404-10	ND	98.241	100.00	mg/kg	0.5	98.2	20	75 - 125	
Vanadium	DUP	1115404-10	26.903	26.266		mg/kg	2.4		20		
	MS	1115404-10	26.903	124.65	100.00	mg/kg		97.7		75 - 125	
	MSD	1115404-10	26.903	116.40	100.00	mg/kg	6.8	89.5	20	75 - 125	
Zinc	DUP	1115404-10	28.369	28.049		mg/kg	1.1		20		
	MS	1115404-10	28.369	129.23	100.00	mg/kg		101		75 - 125	
	MSD	1115404-10	28.369	125.27	100.00	mg/kg	3.1	96.9	20	75 - 125	
QC Batch ID: BUI1770	Used client sample: N										
Mercury	DUP	1115470-01	0.033281	ND		mg/kg			20		
	MS	1115470-01	0.033281	0.86078	0.78125	mg/kg		106		80 - 120	
	MSD	1115470-01	0.033281	0.84891	0.78125	mg/kg	1.4	104	20	80 - 120	
QC Batch ID: BUI1866	Used client sample: Y - Description: B-1-25, 09/19/2011 09:20										
Antimony	DUP	1115416-05	1.2339	1.1405		mg/kg	7.9		20		J
	MS	1115416-05	1.2339	26.561	100.00	mg/kg		25.3		16 - 119	
	MSD	1115416-05	1.2339	28.709	100.00	mg/kg	7.8	27.5	20	16 - 119	
Arsenic	DUP	1115416-05	2.7353	2.7423		mg/kg	0.3		20		
	MS	1115416-05	2.7353	10.844	10.000	mg/kg		81.1		75 - 125	
	MSD	1115416-05	2.7353	11.290	10.000	mg/kg	4.0	85.5	20	75 - 125	
Barium	DUP	1115416-05	55.155	54.590		mg/kg	1.0		20		
	MS	1115416-05	55.155	146.19	100.00	mg/kg		91.0		75 - 125	
	MSD	1115416-05	55.155	149.94	100.00	mg/kg	2.5	94.8	20	75 - 125	
Beryllium	DUP	1115416-05	0.28568	0.28552		mg/kg	0.1		20		J
	MS	1115416-05	0.28568	9.3391	10.000	mg/kg		90.5		75 - 125	
	MSD	1115416-05	0.28568	9.8172	10.000	mg/kg	5.0	95.3	20	75 - 125	
Cadmium	DUP	1115416-05	0.082965	0.10211		mg/kg	20.7		20		J,A02
	MS	1115416-05	0.082965	9.0650	10.000	mg/kg		89.8		75 - 125	
	MSD	1115416-05	0.082965	9.3253	10.000	mg/kg	2.8	92.4	20	75 - 125	
Chromium	DUP	1115416-05	9.5817	9.5392		mg/kg	0.4		20		
	MS	1115416-05	9.5817	100.33	100.00	mg/kg		90.7		75 - 125	
	MSD	1115416-05	9.5817	102.66	100.00	mg/kg	2.3	93.1	20	75 - 125	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUI1866	Used client sample: Y - Description: B-1-25, 09/19/2011 09:20										
Cobalt	DUP	1115416-05	3.1491	3.4110		mg/kg	8.0		20		
	MS	1115416-05	3.1491	94.523	100.00	mg/kg		91.4		75 - 125	
	MSD	1115416-05	3.1491	96.186	100.00	mg/kg	1.7	93.0	20	75 - 125	
Copper	DUP	1115416-05	19.490	19.498		mg/kg	0.0		20		
	MS	1115416-05	19.490	117.91	100.00	mg/kg		98.4		75 - 125	
	MSD	1115416-05	19.490	120.42	100.00	mg/kg	2.1	101	20	75 - 125	
Lead	DUP	1115416-05	7.7865	8.2781		mg/kg	6.1		20		
	MS	1115416-05	7.7865	96.907	100.00	mg/kg		89.1		75 - 125	
	MSD	1115416-05	7.7865	101.69	100.00	mg/kg	4.8	93.9	20	75 - 125	
Molybdenum	DUP	1115416-05	0.95259	1.0129		mg/kg	6.1		20		J
	MS	1115416-05	0.95259	86.359	100.00	mg/kg		85.4		75 - 125	
	MSD	1115416-05	0.95259	89.370	100.00	mg/kg	3.4	88.4	20	75 - 125	
Nickel	DUP	1115416-05	3.3966	3.5875		mg/kg	5.5		20		
	MS	1115416-05	3.3966	94.580	100.00	mg/kg		91.2		75 - 125	
	MSD	1115416-05	3.3966	96.092	100.00	mg/kg	1.6	92.7	20	75 - 125	
Selenium	DUP	1115416-05	ND	ND		mg/kg			20		
	MS	1115416-05	ND	8.9284	10.000	mg/kg		89.3		75 - 125	
	MSD	1115416-05	ND	9.5801	10.000	mg/kg	7.0	95.8	20	75 - 125	
Silver	DUP	1115416-05	ND	ND		mg/kg			20		
	MS	1115416-05	ND	8.6967	10.000	mg/kg		87.0		75 - 125	
	MSD	1115416-05	ND	9.1691	10.000	mg/kg	5.3	91.7	20	75 - 125	
Thallium	DUP	1115416-05	ND	ND		mg/kg			20		
	MS	1115416-05	ND	88.770	100.00	mg/kg		88.8		75 - 125	
	MSD	1115416-05	ND	95.813	100.00	mg/kg	7.6	95.8	20	75 - 125	
Vanadium	DUP	1115416-05	17.389	17.229		mg/kg	0.9		20		
	MS	1115416-05	17.389	106.47	100.00	mg/kg		89.1		75 - 125	
	MSD	1115416-05	17.389	106.29	100.00	mg/kg	0.2	88.9	20	75 - 125	
Zinc	DUP	1115416-05	42.928	43.105		mg/kg	0.4		20		
	MS	1115416-05	42.928	139.45	100.00	mg/kg		96.5		75 - 125	
	MSD	1115416-05	42.928	143.88	100.00	mg/kg	3.1	101	20	75 - 125	
QC Batch ID: BUJ0080	Used client sample: N										
Antimony	DUP	1115926-05	1.0194	1.0173		mg/kg	0.2		20		J
	MS	1115926-05	1.0194	52.823	100.00	mg/kg		51.8		16 - 119	
	MSD	1115926-05	1.0194	51.716	100.00	mg/kg	2.1	50.7	20	16 - 119	
Arsenic	DUP	1115926-05	4.2850	4.3725		mg/kg	2.0		20		
	MS	1115926-05	4.2850	14.840	10.000	mg/kg		106		75 - 125	
	MSD	1115926-05	4.2850	14.639	10.000	mg/kg	1.4	104	20	75 - 125	

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Gannett Fleming, Inc
1 Technology Drive, Suite F207
Irvine, CA 92618

Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUJ0080	Used client sample: N										
Barium	DUP	1115926-05	63.269	63.263		mg/kg	0.0		20		
	MS	1115926-05	63.269	159.13	100.00	mg/kg		95.9		75 - 125	
	MSD	1115926-05	63.269	163.97	100.00	mg/kg	3.0	101	20	75 - 125	
Beryllium	DUP	1115926-05	0.19304	0.19070		mg/kg	1.2		20		J
	MS	1115926-05	0.19304	10.448	10.000	mg/kg		103		75 - 125	
	MSD	1115926-05	0.19304	10.397	10.000	mg/kg	0.5	102	20	75 - 125	
Cadmium	DUP	1115926-05	0.11726	0.10367		mg/kg	12.3		20		J
	MS	1115926-05	0.11726	10.371	10.000	mg/kg		103		75 - 125	
	MSD	1115926-05	0.11726	10.292	10.000	mg/kg	0.8	102	20	75 - 125	
Chromium	DUP	1115926-05	9.4930	9.5128		mg/kg	0.2		20		
	MS	1115926-05	9.4930	109.05	100.00	mg/kg		99.6		75 - 125	
	MSD	1115926-05	9.4930	108.83	100.00	mg/kg	0.2	99.3	20	75 - 125	
Cobalt	DUP	1115926-05	3.3936	3.3584		mg/kg	1.0		20		
	MS	1115926-05	3.3936	106.04	100.00	mg/kg		103		75 - 125	
	MSD	1115926-05	3.3936	105.58	100.00	mg/kg	0.4	102	20	75 - 125	
Copper	DUP	1115926-05	8.8201	8.7386		mg/kg	0.9		20		
	MS	1115926-05	8.8201	108.42	100.00	mg/kg		99.6		75 - 125	
	MSD	1115926-05	8.8201	109.34	100.00	mg/kg	0.8	101	20	75 - 125	
Lead	DUP	1115926-05	105.78	107.47		mg/kg	1.6		20		
	MS	1115926-05	105.78	197.96	100.00	mg/kg		92.2		75 - 125	
	MSD	1115926-05	105.78	206.66	100.00	mg/kg	4.3	101	20	75 - 125	
Molybdenum	DUP	1115926-05	0.75588	0.71161		mg/kg	6.0		20		J
	MS	1115926-05	0.75588	97.958	100.00	mg/kg		97.2		75 - 125	
	MSD	1115926-05	0.75588	97.185	100.00	mg/kg	0.8	96.4	20	75 - 125	
Nickel	DUP	1115926-05	7.7843	7.9936		mg/kg	2.7		20		
	MS	1115926-05	7.7843	109.06	100.00	mg/kg		101		75 - 125	
	MSD	1115926-05	7.7843	108.17	100.00	mg/kg	0.8	100	20	75 - 125	
Selenium	DUP	1115926-05	ND	ND		mg/kg			20		
	MS	1115926-05	ND	9.9510	10.000	mg/kg		99.5		75 - 125	
	MSD	1115926-05	ND	9.8335	10.000	mg/kg	1.2	98.3	20	75 - 125	
Silver	DUP	1115926-05	ND	ND		mg/kg			20		
	MS	1115926-05	ND	9.9345	10.000	mg/kg		99.3		75 - 125	
	MSD	1115926-05	ND	9.8072	10.000	mg/kg	1.3	98.1	20	75 - 125	
Thallium	DUP	1115926-05	ND	0.75744		mg/kg			20		J
	MS	1115926-05	ND	103.51	100.00	mg/kg		104		75 - 125	
	MSD	1115926-05	ND	101.30	100.00	mg/kg	2.2	101	20	75 - 125	
Vanadium	DUP	1115926-05	22.253	22.346		mg/kg	0.4		20		
	MS	1115926-05	22.253	121.47	100.00	mg/kg		99.2		75 - 125	
	MSD	1115926-05	22.253	122.69	100.00	mg/kg	1.0	100	20	75 - 125	

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Reported: 10/10/2011 15:08
Project: Devils Gate
Project Number: 603211-001
Project Manager: Michael Crews

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUJ0080	Used client sample: N										
Zinc	DUP	1115926-05	39.264	39.297		mg/kg	0.1		20		
	MS	1115926-05	39.264	140.14	100.00	mg/kg		101		75 - 125	
	MSD	1115926-05	39.264	142.64	100.00	mg/kg	1.8	103	20	75 - 125	

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Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A02	The difference between duplicate readings is less than the PQL.
A10	PQL's and MDL's were raised due to matrix interference.
A11	PQL's and/or MDL's were raised due to inadequate sample size received.
A52	Chromatogram not typical of diesel.
L21	The Laboratory Control Sample Soil (LCSS) recovery is not within laboratory established control limits.
M03	Analyte detected in the Method Blank at a level between the PQL and the MDL.
S09	The surrogate recovery on the sample for this compound was not within the control limits.
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.

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