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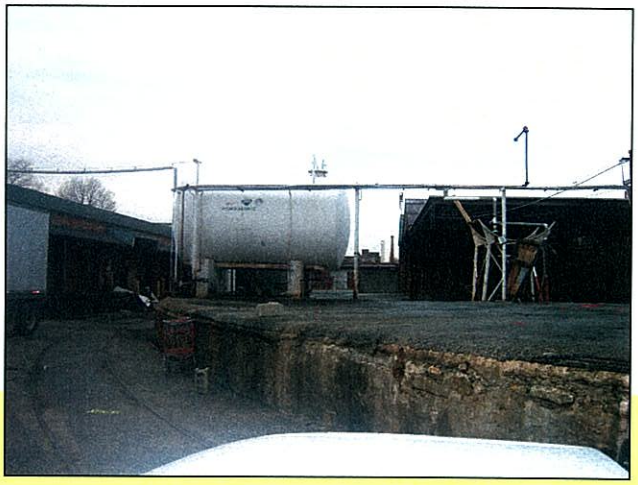

Phase II Environmental Site Assessment



Gateway South Redevelopment Properties
Former Maryland Chemical Corp. Properties
Baltimore, Maryland



Prepared For
Baltimore Development Corporation
36 South Charles Street
Suite 1600
Baltimore, Maryland 21201

Prepared By
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KCI Job No. 01-05437013

May 2009

KCI TECHNOLOGIES

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April 30, 2009

Baltimore Development Corporation
36 South Charles Sttreet, Suite 1600
Baltimore, MD 21201

Attention: Ms. Katie Giordano

RE: **Phase II Environmental Site Assessment**
Gateway South Redevelopment Properties
Former Maryland Chemical Corp. Properties
Baltimore, Maryland
KCI Project No. 01-05437013

Dear Ms. Giordano:

KCI Technologies, Inc. (KCI) appreciates the opportunity to provide our services on this project. Herein is a report of our findings from the Phase II Environmental Site Assessment (ESA) performed at the above referenced properties. If you have any questions with regard to this report or any other aspect of our services, please feel free to contact us at 410-316-7800.

Sincerely,
KCI Technologies, Inc.

Jeff Gernand, PG
Senior Hydrogeologist
Geo-Environmental Division

James Moulsdale
Environmental Scientist
Geo-Environmental Division

cc: Project File

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Executive Summary

KCI was retained by the Baltimore Development Corporation (Client) to perform a Brownfields Phase II Environmental Site Assessment on the Maryland Chemical parcels of the Gateway South Redevelopment properties. The subject site is comprised of three (3) parcels of property, formerly owned by Maryland Chemical and now owned by the City of Baltimore, located within the Eastern Carroll-Camden Industrial Area of Baltimore City, Maryland.

KCI's Phase II ESA was performed in support of the proposed Gateway South redevelopment project, which involves the demolition of existing industrial warehouses that currently occupy the subject site, followed by the construction of a new sportsplex facility, office and retail space, and a new Greyhound bus terminal.

During the spring and early summer of 2007, KCI completed a Phase I ESA for the twelve "business" parcels, which included the Maryland Chemical parcels (KCI, 2007). In addition, KCI completed a Phase II ESA of the Gateway South Redevelopment Properties area on January 25, 2008 (KCI, 2008a). On December 31, 2008, the Maryland Department of the Environment (MDE) approved a site-specific Sampling and Analysis Plan (KCI, 2008b) for additional investigation. This Phase II ESA was completed in accordance with the MDE-approved work plan to gather additional information and support the anticipated enrollment of the subject site in Maryland's Voluntary Cleanup Program (VCP). The major findings and conclusions from this KCI Phase II ESA are presented as follows:

KCI collected a total of twenty-six (26) surface and subsurface soil samples from thirteen (13) direct-push technology (DPT) borings advanced across the subject site. The analysis of these soil samples revealed the presence of various contaminants; principally including volatile organic compounds (VOCs, specifically chlorinated solvents), semi-volatile organic compounds (SVOCs), metals, and petroleum compounds, at concentrations which exceeded applicable Maryland Department of Environment (MDE) Clean-up Standards (CUS) for soil. Comparison of the soil analytical data to relevant MDE cleanup standards revealed certain general findings related to contaminant distribution at the subject site:

- Chlorinated solvents such as trichloroethene (TCE) and tetrachloroethene (PCE) were detected at concentrations exceeding the MDE CUS in five (5) surface and subsurface soil samples. All five samples with chlorinated solvent exceedances were collected from the western portion of the facility.

- SVOC compounds were identified at concentrations exceeding MDE CUS in four (4) of the twenty-six (26) soil samples. All four samples with SVOC exceedances were collected from the western portion of the facility.

- Two (2) soil samples collected from a boring advanced adjacent to an abandoned UST located on the east side of the site contained petroleum contamination which exceeded the MDE CUS.

- A total of six (6) different metals, including arsenic, were detected above applicable MDE CUS in fourteen (14) surface and subsurface soils acquired across the site.

- No pesticide or herbicide analytes were detected in any of the soil samples at concentrations exceeding the MDE CUS.

- A total of seven (7) parameters were detected on site at concentrations exceeding the "rule of 20" concentration that may imply hazardous characteristics, were the soil to be subjected to a TCLP test. The parameters include five (5) metals and two (2) VOCs. There was one particular sample (B-38 at 4-8') which had a number of metals exceeding the threshold, however it should be noted that lead was detected above the threshold at several locations.

KCI collected a total of six (6) groundwater samples from four (4) selected borings and two (2) existing monitoring wells at the subject site. The analysis of these samples revealed the following general trends:

- The analysis of groundwater samples revealed the presence of concentrations of trichloroethene (TCE), tetrachloroethene (PCE), 1,1-dichloroethene, cis-1,2-dichloroethene (cDCE), and vinyl chloride (VC) exceeding relevant MDE cleanup standards in varying combinations in five (5) of the six (6) groundwater samples.

- Only one (1) of the six (6) groundwater samples had a concentration of one SVOC exceeding the MDE CUS.

- Elevated concentrations of petroleum compounds, primarily gasoline-range organics (TPH-GRO), were detected in three (3) of the six (6) groundwater samples. Elevated diesel-range organics (TPH-DRO) was detected in one (1) groundwater sample.

- Elevated levels of dissolved metals were detected in five (5) of the six (6) groundwater samples.

- No herbicide analytes were detected above the MDE CUS in any of the groundwater samples.

KCI collected a total of four (4) soil gas samples from various locations across the project site. The soil gas samples were analyzed for VOCs, and the reported concentrations were screened against the values presented in the EPA document *OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance) Table 2b: Target Shallow Soil Gas Concentration Corresponding to Target Indoor Air Concentration Where the Soil Gas to Indoor Air Attenuation Factor=0.1.* The analysis of these samples revealed a total of six (6) VOC analytes in the soil gas samples exceeding the screening value in one sample, and TCE concentrations exceeded the screening value in each of the collected soil gas samples.

Likely Response Action Plan Requirements

The findings summarized above illustrate that the subject site is impacted by various types and concentrations of contaminants. The presence of these contaminants appears to be a result of historic industrial and manufacturing activities which have occurred at the subject site during the past 100 years. Under Maryland VCP, it is likely MDE will require that a Response Action Plan (RAP) be developed and implemented at the subject site. Past experience with similar projects suggests that a RAP will include specific design and construction requirements to mitigate risks.

Recommendations

Based on the findings from this Phase II ESA, KCI offers the following recommendations:

- KCI recommends that a copy of this report be provided to the MDE VCP for review.

- The findings of this assessment have revealed elevated concentrations of seven (7) contaminants in surface and subsurface soils samples acquired throughout the site that appear sufficiently elevated to pose some risk of failing the Toxicity Characteristic. If this is the case, the soils would be considered a hazardous waste once excavated.

  To avoid and/or anticipate the need for hazardous waste disposal during construction, KCI recommends that additional samples of soil be acquired from locations along proposed excavations such as elevator shafts, utility trenches, building foundations, and/or stormwater management facilities prior to construction. These samples should be collected to represent all depths of soils that will be excavated, and then analyzed for selected analytes via the Toxicity Characteristic Leaching Procedure (TCLP). Based on the results, estimated quantities and costs for hazardous materials disposal may be developed. If advantageous, soil vapor extraction may be considered in selected locations in advance of excavation to reduce VOC concentrations and reduce toxicity.

- Two abandoned underground storage tanks (USTs) have been identified during this investigation. at 1501 Russell Street. During site redevelopment, KCI recommends that all USTs and any remaining product in the USTs, as well as associated contaminated soils (if present), be removed from the site and properly disposed of in accordance with applicable sections of COMAR 26.10.

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1.0 INTRODUCTION

KCI Technologies, Inc. (KCI) was contracted by the Baltimore Development Corporation (Client) to perform a Phase II Environmental Site Assessment on the Maryland Chemical (MDCHEM) parcels of the Gateway South Redevelopment properties. The subject site is comprised of three (3) parcels of property, formerly owned by Maryland Chemical Corporation and now owned by the City of Baltimore, located within the Eastern Carroll-Camden Industrial Area of Baltimore City, Maryland. (hereafter referred to as the "*subject site*" or "*subject properties*"). The subject site is located along the 1500 block of Russell Street. The site street addresses are listed as: 1501 Russell Street, 1525 Russell Street, and 1551 Russell Street.

All three (3) properties described above are presently improved with warehouse buildings, which are currently undergoing demolition. These three (3) parcels comprise a portion of an urban redevelopment project, which is generally referred to as the "Gateway South Redevelopment Project". In total, the Gateway South Redevelopment Project comprises twelve (12) contiguous properties within the Eastern Carroll-Camden Industrial Area. A Phase II Environmental Site Assessment of six (6) other Gateway South properties has also been prepared by KCI (April 29, 2009).

The subject site is situated within a densely-populated urban area that consists primarily of industrial properties, with some interspersed small-scale commercial and public properties. A Site Location Map, Figure 1, is included in Appendix A.

1.1 Background

The subject site occupies a portion of the total property comprising the proposed Gateway South Redevelopment Project. The three (3) subject site parcels are presently occupied by aging and deteriorating industrial warehouses. The scope of the Gateway South Redevelopment Project (as currently envisaged) will involve removing the existing warehouses from the subject site and other (adjacent) Gateway South parcels, and constructing more than one million square feet of office space, 134,000 square feet of retail space, a 70,000 square foot multi-modal transportation station, an open athletic field with bleachers, and more than 3,000 parking spaces. Office space and a parking facility will occupy the parcels comprising the subject site itself.

As part of the redevelopment, grade changes will be undertaken to allow ground level to be above flood plain (as per City ordinance). It is also likely that utility extensions will be necessary. Except for green space, storm water retention areas, and planting beds for street trees, the subject site will be hardscaped. The development is estimated to provide 3,200 jobs upon completion.

Working on behalf of the Client, KCI has recently completed several environmental reports for the twelve (12) parcels comprising the Gateway South Redevelopment project site. Accordingly, reference is made to these reports herein:

1) Phase I Environmental Site Assessment for Gateway South Redevelopment Properties, 12 Parcels in Eastern Carroll-Camden Industrial Area (KCI, 2007);

2) Phase II Environmental Site Assessment, Gateway South Redevelopment Properties, Eastern Carroll-Camden Industrial Area (KCI, January 25, 2008);

3) Phase I Environmental Site Assessment Update for Gateway South Redevelopment Properties, 12 Parcels in Eastern Carroll-Camden Industrial Area (KCI, April 27, 2009a).

4) Phase II Environmental Site Assessment, Gateway South Redevelopment Properties, Former Warner Street Inc. Properties (KCI, April 29, 2009b).

Historically, the three (3) parcels comprising the MDCHEM facility have been used for industrial and manufacturing purposes. Historic operations at the MDCHEM parcels are as follows:

- The 1551 Russell Street parcel was undeveloped until some time between 1914 and 1950, when the American Cyanamid Company Industrial Chemicals Division commenced using the site for chemical and pesticide manufacturing purposes. By 1973, the property was occupied by MDCHEM, which used the property for storage and repackaging of bulk quantities of chemicals. MDCHEM no longer occupies the property.

- The 1525 Russell Street parcel of the subject site was undeveloped from at least 1890 until 1953, when a warehouse (Currently MDCHEM "Building #1") was constructed. The warehouse was utilized for the production of containers and cartons from 1953 until the late 1980s. MDCHEM historically used the warehouse at 1525 Russell Street (Building #1) for the storage and repackaging of chemicals for distribution. MDCHEM no longer occupies the property.

- The 1501 Russell Street portion of the subject site was undeveloped from 1890 until 1923. Review of title records suggests that the property had multiple owners during the 1940s and 1950s, including the American Cyanamid Company. Reportedly, MDCHEM had used portions of the property for bulk chemical storage purposes since 1955. MDCHEM no longer occupies the property.

1.2 Purpose

This Phase II Environmental Site Assessment was completed to gather additional information concerning the presence and extent of subsurface contamination associated with the three (3) Maryland Chemical parcels. KCI is assisting the Client to enroll the project site into the Maryland Department of the Environment's (MDE's) Voluntary Cleanup Program (VCP). Therefore, this Phase II ESA was also performed to help address requirements of the VCP.

1.3 Scope of Work

As part of the Phase II ESA at the Maryland Chemical site, KCI has performed the following tasks:

1. Project Initiation / Health and Safety Plan
2. Site Utility Engineering Investigation
3. Limited Geophysical Survey
4. Limited Multimedia Sampling and Field Screening
5. Laboratory Analysis
6. Preparation of this Report documenting the findings to date.

The Phase II ESA was completed in accordance with a project-specific Sampling and Analysis Plan (SAP), prepared by KCI prior to the commencement of field activities. The SAP was prepared in general accordance with the "*Quality Assurance Project Plan (QAPP) for City of Baltimore Brownfields Pilot*

Project", dated September 8, 2001. In addition, this Phase II ESA was completed in accordance with the *"Phase II Environmental site Assessment Sampling and Analysis Plan Supplement: Maryland Chemical Parcels"* (KCI, 2008), approved by the MDE on December 31, 2008.

2.0 SITE DESCRIPTION

2.1 Description of Study Area

The subject site includes three (3) properties located in the eastern part of the Carroll-Camden Industrial Area in Baltimore, Maryland. The location of the subject site relative to surrounding roads and features is indicated on Figure 1, in Appendix A.

Table 2-1 (below) presents a summary of the street and legal addresses, and current ownership information for each of the parcels comprising the subject site. KCI obtained the property information summarized in the table from the Maryland Department of Assessment and Taxation (MDAT) Real Property Database.

Table 2-1: Properties Included Within the Subject Site

Street Address	Legal Address				Current Owner
	Ward	Section	Block	Lot	
1501 Russell Street	21	09	0841	001	Mayor & City Council
1525 Russell Street	21	09	0841	003	Mayor & City Council
1551 Russell Street	21	09	0841	004	Mayor & City Council

The three (3) parcels comprising the subject site total approximately 3.63 acres of land located on the 1500 block of Russell Street. The subject site is positioned within a densely-populated urban area, consisting primarily of commercial and light industrial properties.

2.2 Current Uses of the Property

The subject site is currently occupied by vacant warehouse buildings of the former Maryland Chemical Corporation. These buildings are currently under demolition.

3.0 HISTORIC DOCUMENT SUMMARY

KCI has completed several previous environmental reports/studiesfor the subject site. Summaries of these previous assessments are provided in the following sections.

3.1 Phase I ESA Findings

KCI completed a Phase I ESA (May 2007) and a Phase I ESA Update on April 27, 2009 (KCI, 2009a) for the entire twelve (12) parcels comprising the Gateway South Redevelopment. The findings from these Phase I ESAs identified several Recognized Environmental Conditions (RECs) relevant to the subject site. ASTM E 1527-05 defines a REC as: "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the

property or into the ground, groundwater, or surface water of the property". The following is a summary of the findings relevant to the subject site:

1551 Russell Street

The 1551 Russell Street portion of the subject site was undeveloped until some time between 1914 and 1950, when the American Cyanamid Company Industrial Chemicals Division commenced using the site for chemical and pesticide manufacturing purposes. By 1973, the property was occupied by MDCHEM, which used the property for storage and repackaging of bulk quantities of chemicals. MDCHEM no longer occupies the property. Significant findings related to this parcel are presented as follows:

- KCI identified records related to two (2) previous Phase II ESAs (completed by others) that were conducted at the 1551 Russell Street portion of the subject site. These records revealed that TCE and its daughter compounds (cis-1,2 dichloroethene and vinyl chloride) are present in the groundwater beneath that property. Elevated levels of heavy metals have also been detected in unfiltered groundwater samples. In some cases the concentrations of these chemicals exceeded the relevant MDE human health criteria.

- The historic operational nature (i.e. handling and storage of bulk chemicals) of MDCHEM suggest the possibility for inadvertent contamination through releases. The KCI Phase II ESA (January 2008) indentified chlorinated solvents such as TCE, PCE, and DCE in subsurface soils acquired from the MDCHEM facility, and one (1) area located at the north side of this facility appeared to be a potential source area for PCE. Furthermore, the analysis of groundwater samples revealed concentrations of TCE, PCE, and DCE exceeding relevant MDE CUS for groundwater in borings located on and near the MDCHEM facility. The pattern of concentrations observed in both groundwater and soils suggests that the MDCHEM facility is a source for these analytes.

- MDE performed a toxicological evaluation (MDE TOE April 2005), assuming a commercial use scenario for the site (1501, 1525 and 1551 Russell Street). The toxicological evaluation apparently revealed elevated levels of risk to the child visitor, youth visitor, and adult worker and construction worker populations from multiple pathways. MDE reported that all populations exceeded the MDE threshold lifetime cancer risk of 1 x 10-5 with scores ranging from 1.0 x 10-5 to 6.3 x 10-5. In addition, MDE reported that all populations exceeded the EPA recognized acceptable hazard index (HI) values of less than or equal to 1 with scores ranging from two (2) to 43. MDE related that the risk drivers included arsenic, chromium, TCE, and PCE.

- An exposure/risk assessment performed by Datanet Engineering (December 2000) as part of a Comprehensive Phase II Investigation indicated that vapor intrusion into buildings (1501, 1525 and 1551 Russell Street) through cracks in the floor followed by inhalation of vapors would be the only potential exposure pathway at the property, either currently or in the future. Using the highest levels of contaminants detected in groundwater samples, the Johnson and Ettinger (1991) model indicated incremental risk currently a the property for carcinogenic PCE, TCE, and VC of less than 1 EE-05 at current contaminant levels. Incremental risk from levels of noncarcinogenic cis- 1,2- DCE show a hazard quotient less than 0.1. Thus, active groundwater remediation was not deemed necessary by Datanet Engineering.

KCI's Phase II ESA (January 2008) also noted that relatively high concentrations of petroleum compounds were identified in groundwater obtained from the northwestern (upgradient) boundary of

1551 Russell Street, suggesting that additional petroleum contamination is also migrating to the site from an off-site source.

1525 Russell Street

The 1525 Russell Street parcel of the subject site was undeveloped from at least 1890 until 1953, when a warehouse (Currently MDCHEM "Building #1") was constructed. The warehouse was utilized for the production of containers and cartons from 1953 until the late 1980s. MDCHEM historically used the warehouse at 1525 Russell Street (Building #1) for the storage and repackaging of chemicals for distribution. Significant findings related to this parcel are presented as follows:

- Based on information acquired during KCI's Phase I ESAs, the subject site was historically used for paper carton manufacturing operations. Since approximately 1989, the property has been used for bulk storage of a variety of chemicals. Moreover, KCI observed areas of stained concrete throughout Building #1, which suggest that past releases of chemicals may have occurred. Based on the nature of historic operations at the property and the presence of staining within the warehouse, KCI concludes that soil and groundwater impacts could have occurred at the property.

- As with the other two (2) buildings associated with MDCHEM (1551 and 1501 Russell Street), the operational nature (i.e. handling and storage of bulk chemicals) of MDCHEM suggests the possibility of inadvertent contamination through historic releases. Based on information in Phase II ESA performed by Datanet (December 2000) levels of chlorinated organics, primarily PCE, TCE, cis-l,2-Dichloroethene (cis-1,2-DCE), and Vinyl Chloride (VC), were detected at the subject site in excess of EPA Region Ill RBCA screening levels in the subsurface soil and groundwater. PCE was detected at the upgradient (Russell Street) end of the property, including a boring in the sidewalk beyond the property boundary. Datanet reported that other chlorinated compounds appeared as the groundwater flowed across the property to Warner Street, indicating that in-situ degradation is likely occurring. Presence in the upgradient boring also indicates possible off-site contamination.

Discussion of toxicological and exposure/risk assessments and KCI's Phase II 2008 report performed for the total MDCHEM Site (1501, 1525, and 1551 Russell Street) has been previously reported in the 1551 Russell Street Section.

1501 Russell Street

The 1501 Russell Street portion of the subject site was undeveloped from 1890 until 1923. Review of title records suggests that the property had multiple owners during the 1940s and 1950s, including the American Cyanamid Company. Reportedly, MDCHEM had used portions of the property for bulk chemical storage purposes since 1955. Significant findings related to this parcel are presented as follows:

- Based on the findings of this assessment, two (2) USTs appear to have been abandoned in place at the 1501 Russell Street property. MDE reported that both tanks were greater than 20 years old and that a release of petroleum was detected in association with at least one (1) of the USTs.

- Based on the review of the historic documents (Datanet MDE Supplemental Phase II October 1998), one (1) suspected former gasoline UST is reportedly located in the north central portion of the warehouse adjacent to the interior wall that fronts Russell Street. The suspected UST was not identified on the Maryland UST or Historic UST databases, or historic Sanborn maps reviewed during KCi's Phase I ESAs. KCI also has not observed current evidence of the suspected UST at the

property. KCI concluded that it is possible an undocumented UST is located at the property. If an undocumented UST is present, then this UST would represent a REC.

- The findings from KCI's Phase I assessments indicate that chemical manufacturing and bulk chemical storage operations have been conducted at 1501 Russell Street since some time prior to 1950. The chemical production and storage activities have encompassed a variety of pesticides, organic and inorganic compounds, acids and bases, oxidizing compounds, flammable materials, and some acutely toxic chemicals. Moreover, KCI observed areas of stained concrete throughout the onsite warehouse, which suggest that past releases of chemicals have occurred. Based on the nature of historic operations at the property and the presence of staining within the warehouse, KCI concluded that soil and groundwater impacts could have occurred at the property.

- During previous Phase II ESAs (Datanet- 1998) Petroleum impacts of the soil as measured by TPH-DRO, TPH-GRO, and recoverable petroleum hydrocarbons (TRPH), were observed in the area of two abandoned fuel oil tank as well as upgradient and downgradient from these tanks. These concentrations were greater than the MDE action level of 100 mg/kg TPH. Based on these reported findings, KCI concluded that the presence of contaminated soils beneath the subject site represents a REC.

- KCI observed one elevator in Building #3 at the 1501 Russell Street parcel of the subject site. Some elevators utilize hydraulic oils, which may contain PCBs. During the reconnaissance completed in support of KCI's Phase I ESAs, KCI did not observe evidence that a release of hydraulic oil occurred from observable elevator equipment (i.e., holding tank, hydraulic lines, etc.).

- During the site reconnaissance conducted for KCI's Phase I ESAs, KCI observed eight (8) aboveground storage tanks (ASTs) in various locations throughout the onsite warehouse. All of the ASTs are reportedly empty and decommissioned. KCI observed staining in the vicinity of all eight (8) ASTs. However, no floor drains or sumps were observed in the immediate vicinity of the ASTs, and no surficial cracking of the concrete was observed in these areas.

- During KCI's Phase I ESA's, KCI observed floor drains in the former tote washout area of 1501 Russell Street. Based on research conducted for KCI's assessment, this floor drain was connected to the sanitary sewage system. This discharge was permitted, subject to pH monitoring and control, under a National Pollutant Discharge Elimination System (NPDES) Permit.

Discussion of toxicological and exposure/risk assessments and KCI's Phase II ESA (January 2008) performed for the total MDCHEM Site (1501, 1525, and 1551 Russell Street) has been previously reported in the 1551 Russell Street Section.

3.2 Phase II ESA Findings – (KCI)

KCI completed a Phase II ESA of the Gateway South Redevelopment Properties area on January 25, 2008. The results of the KCI Phase II ESA that are relevant to the Maryland Chemical parcels are summarized below.

- KCI completed geophysical investigations at the 1501 Russell Street parcel. The findings from these surveys revealed the presence of one (1) suspected underground storage tank (UST) at 1501 Russell Street. The UST was identified along the central-southeastern property boundary. This UST is believed to be abandoned in place.

- Chlorinated solvents such as trichloroethene (TCE), tetrachloroethene (PCE), and dichloroethene (DCE) were detected in subsurface soils acquired from the vicinity of the Maryland Chemical facility, and one area located at the north side of this facility appeared to be a potential source area for PCE.

- Heavy metals such as lead, arsenic and mercury were generally identified at elevated concentrations (above applicable MDE cleanup standards) in surface and subsurface soils acquired across the entire site. The analysis of groundwater samples revealed concentrations of TCE, PCE, and DCE exceeding relevant MDE cleanup standards in borings located on and near the Maryland Chemical facility. The pattern of concentrations observed in both groundwater and soils suggests that the Maryland Chemical facility is a source for these analytes.

- Elevated concentrations of petroleum compounds were detected in groundwater samples obtained downgradient from 1501 Russell Street, which suggests that the UST identified during KCI's geophysical survey at that parcel is leaking. Relatively high concentrations of petroleum compounds were additionally identified in groundwater obtained from the northwestern (upgradient) boundary of 1551 Russell Street, suggesting that additional petroleum contamination is also migrating to the site from an off-site source.

4.0 PHYSICAL SETTING

4.1 Regional Geology

According to the Maryland Geologic Survey; Geologic Maps of Maryland, Baltimore County (1968), the subject site is situated near the Fall Line, which is generalized boundary between the Piedmont Physiographic Province and the Coastal Plain Physiographic Province.

In areas near the Fall Line, Coastal Plain sediments are typically found in thin layers overlying the older geologic formations associated with the Piedmont. The Coastal Plain is characterized by unconsolidated sediments deposited during successive periods of fluctuating sea level and moving shorelines. The sediments of the Coastal Plain dip eastward at a low angle, generally less than one degree, and range in age from Cretaceous to Quaternary. The younger formations crop out successively to the southeast across Southern Maryland and the Eastern Shore. A thin layer of Quaternary gravel and sand covers the older formations throughout much of the area. Mineral resources of the Coastal Plain are chiefly sand, gravel, and clay. Small deposits of iron ore are of historical interest. Plentiful supplies of ground water are available from a number of aquifers throughout much of this region.

The Piedmont Physiographic Province is an area underlain by ancient hard, crystalline igneous and metamorphic rock types extending from the inner edge of the Coastal Plain westward to Catoctin Mountain, the eastern boundary of the Blue Ridge Province. Bedrock in the eastern part of the Piedmont consists of schist, gneiss, gabbro, and other highly metamorphosed sedimentary and igneous rocks of probable volcanic origin. In several places these rocks have been intruded by granitic plutons and pegmatites. Several domal uplifts of Precambrian gneiss mantled with quartzite, marble, and schist are present in Baltimore County and in parts of adjacent counties.

The site overlies the eastern mapped (upper) edge of the Cretaceous Patuxent Formation (MGS, 1985). The Patuxent Formation is composed chiefly of unconsolidated gravel and sand intebedded with lenses of silty clay. The upper portion of the Patuxent Formation, mapped directly beneath the subject site, consists

predominantly of fine sand and silty clay. The Patuxent Formation ranges from 50 to 250 feet in thickness in the area and directly overlies bedrock.

The Patuxent Formation was deposited in a continental environment. The coarse-grained strata characteristic of the lower portion of the formation were likely deposited in a braided stream environment, while the finer-grained strata common in the upper portion of the formation were likely deposited in a meandering stream environment. In the upper portion of the Patuxent Formation, the fine sands were likely deposited in meandering stream channels while the silts and clays were likely deposited in the adjacent flood plain environment.

4.2 Local and Site-Specific Geology

Boring logs for the Project Site (KCI, 2008a) reveal that most of the surficial deposits are primarily fill materials, with much of the fill consisting of debris. Fills up to 20 feet thick were recorded during the site investigation. Fill thicknesses appear to increase towards the water (i.e. towards the east), and many borings did not encounter the bottom of the fill layer. Along with soil, fill types included brick, glass, wood, plastics, coal, concrete, shells, and cinders. These debris fills may have been deposited as part of the cleanup from the Baltimore Fire of 1904. Where encountered, the soils underlying the fill materials consist largely of silty sand, clayey sand, and clay, with varying amounts of gravel. These descriptions are consistent with the MGS description of the upper Patuxent Formation.

Site-specific boring logs developed during this investigation of the Maryland Chemical Corp. properties are presented in Appendix B. In general, these logs show that the predominant soil texture is clay, with varying proportions of silt, sand, and gravel. To a lesser extent, sand layers up to four (4) feet thick were recorded in most boring logs, although in all logs clay is the dominant lithology. There were anecdotal reports of glass, brick fragments, cinders, and other evidence of fill materials, although only the log from B-30 documents debris fill. KCI field representatives reported that it was difficult to discern native soils from fill. The soil types recorded are consistent with the description of the upper Patuxent Formation. The thickness of fill beneath the subject site is difficult to determine, although at boring B-30 the surface fill is at least five (5) feet thick.

With regard to ground water flow in the underlying unconfined shallow aquifer, ground water flow typically occurs from the higher to lower elevations, discharging to local surface water bodies. However, due to the subordinate occurrences of less pervious materials, the potential exists for artesian conditions, confined flow and/or perched water tables in some localities. Further, in urban environments, local groundwater conditions may be impacted by a variety of anthropogenic features such as utilities, stream rechanneling, cut and fill features, dewatering, industrial groundwater use, and spatially variable recharge due to pavement and stormwater management features. Without specific ground water data, determination of the actual ground water flow direction beneath the study area is highly subjective. However, based on an assumption of unconfined conditions and the local topography, shallow ground water beneath the project site most likely flows in a general southeasterly direction toward the Middle Branch.

5.0 SUBSURFACE UTILITY AND FEATURE INVESTIGATION

Prior to the initiation of subsurface investigation performed as part of this assessment, KCI requested a utility mark out from Miss Utility of Maryland. Additionally, KCI previously performed a geophysical survey of representative areas around selected portions of the subject site in order to identify and/or confirm the locations of potential underground storage tanks (USTs).

5.1 Site Utility Investigation

Prior to conducting any subsurface drilling activities, KCI submitted utility location and mark out requests to Miss Utility of Maryland. Miss Utility of Maryland then coordinated with local utility companies to have all existing utilities at the project site located and marked. A 24" high pressure natural gas main that travels down the center of Warner Street for nearly the entire length of the project site. Reportedly this natural gas main supplies natural gas to the Baltimore RESCO waste-to-energy plant. Baltimore Gas and Electric (BGE) had requested that they be notified at least 24-hours in advance of any subsurface work that is to occur within 10-feet of this natural gas main (410-291-4900).

At the start of the project, KCI's Site Utility Engineering (SUE) unit also conducted a detailed top-side utility survey of the project area to ascertain from above-ground features the presence of utility systems. KCI then located existing utilities in the immediate vicinity of the proposed boring locations using electromagnetic equipment such as the Metro-Tech 810, 850, 480, RD 500, C.A.T. 480, Pipe Horn, and the Heath LS500.

5.2 Previous Geophysical Survey

As part of KCI's January 2008 Phase II ESA, KCI's subcontractor, Enviroscan, Inc. performed a geophysical survey under the direction of KCI field staff. The geophysical survey was conducted utilizing a Fisher TW-6 electromagnetic (EM) Instrument and Geophysical Survey Systems, Inc. (GSSI) Subsurface Interface Radar (SIR)-2000 ground penetrating radar (GPR) instrument

The geophysical survey showed the presence of one anomalous area at 1501 Russell Street indicative of a UST. The GPR detected high-amplitude, parabolic reflectors typically associated with USTs within the anomalous area, as well as elevated TW-6 anomalies indicative of large buried metallic objects. The anomalous area is located beneath the rear sidewalk of the 1501 Russell Street building, approximately 50 feet west of the intersection of Warner Street and Worcester Street. Both a fill port and vent pipe were observed immediately adjacent to this suspected UST. The location of this anomaly corresponds to the approximate location of the abandoned in place 7,000-gallon gasoline UST.

6.0 MULTIMEDIA SAMPLING AND ANALYSIS METHODS

As part of the current investigation, KCI performed surface and subsurface soil sampling, groundwater sampling, and soil gas sampling at various pre-determined locations across the project site. The locations were selected to address potential environmental impacts from previous site operations and chemical mixing and storage areas (Figure 2 in Appendix A), and to fill data gaps remaining from previous investigative efforts (Figure 3 in Appendix A.) The Sampling and Analysis Plan outlining the work performed for this Phase II ESA was approved by MDE on December 31, 2008. A sample location map illustrating KCI's sample locations is provided as Figure 4 in Appendix A of this report.

6.1 Soil Sampling

KCI's drilling subcontractor, EBA Engineering, Inc., of Baltimore, Maryland, advanced a total of thirteen (13) borings across the project site under the supervision of KCI field personnel. This work was completed between February 2 and February 13, 2009. The boring locations were chosen to obtain information concerning the type and concentration of contaminants in the soils, groundwater and soil

vapor beneath the site and to help support the entry of the subject site into the Maryland VCP. In many instances, boring locations were chosen to investigate areas of concern identified during the Phase I ESA and other previous investigations. Each boring was advanced to a depth of eight (8) to twenty (20) feet below the existing ground surface (bgs).

The subsurface exploration was performed utilizing a tracked Geoprobe 6620DT Direct-Push Technology (DPT) drilling rig. The test probes were advanced utilizing 2-inch inside diameter probe rods and a hydraulically driven percussion hammer. Sampling was performed at specified intervals utilizing a macrocore sampler with a 48-inch plastic liner dedicated to each sample interval.

As each four-foot subsurface interval was sampled, additional probe rods were added to the macro core sampler, which was successively driven down the same hole until soil cores were obtained to the desired depth. Each four-foot soil core was retrieved by cutting open the polyethylene liners, after which each core was split into two-foot sections and a small sub-sample was collected for field screening. KCI then performed a preliminary screening of the subsurface soils using a MiniRAE 2000 photo-ionization detector (PID).

The PID consists of an ultraviolet lamp mounted on a thermostat-controlled low volume flow-through cell. The UV lamp in the MiniRAE 2000 PID used for this project emits energy at a wavelength of 120 nanometers, which is sufficient to ionize most aromatics (benzene, toluene, xylene, etc.) and many other molecules (hydrogen sulfide, hexane, ethanol) whose ionization energy is below 10.6 electron volts (ev). A small sample of soil from each two-foot depth interval was placed into a "Ziploc" style plastic baggie and allowed to volatilize for approximately five minutes. Headspace analysis was performed immediately following the volatilization period. PID readings are recorded on the soil boring logs in Appendix B.

One (1) surface soil sample and one (1) subsurface soil sample were collected from each of the boring locations for laboratory analysis. Where a concrete slab or asphalt tarmac exists at the surface, the designated surface soil sample was collected 0-2 feet below the aggregate sub-base and the subsurface soil sample was collected 4-6 ft below the aggregate sub-base. However, based on soil recovery and field conditions (e.g. a second slab beneath the surface slab), the sample collection depths may have been altered. Table 6-1 summarizes the location and depth at which the soil samples were collected. Information regarding quality control and quality assurance samples is provided in Section 6.7. All laboratory samples were placed into the appropriate laboratory-supplied containers, labeled, logged into the sample Chain-of-Custody form, and placed into a cooler on ice for transport to the laboratory.

Soil samples collected for VOCs analysis were acquired from the sample core in accordance with EPA Method 5035. KCI used the En Novative Technologies, Inc. "Terra Core sampler" and high and low level preservation kits to acquire the samples. This system uses a single-use, heavy duty syringe sampler to extract approximately five grams of soil. The sample was then extruded into a 40ml vial containing a premeasured amount of methanol or sodium bisulfate preservative. Each vial was immediately capped, labeled, sealed into a Ziploc-style plastic bag, and placed into a cooler on ice for transport to the laboratory.

Following field headspace screening of the soils, samples for analytes other than VOCs were placed in dedicated, laboratory-supplied four-ounce jars with Teflon-lined lids, labeled, and placed on ice. Once sampling was complete, the laboratory chain-of-custody was filled out and the samples were delivered to the contract laboratory.

In several locations where subsurface conditions made it impossible or ineffective to collect soil samples with the Geoprobe, additional sampling efforts were carried out using a hand auger and other hand tools. Samples collected using such alternative manual methods were obtained on February 19, 2009, and include samples SS-33(0-4'), SB-33(4-6'), and SS-39(0-1.5').

A total of twenty nine (29) soil samples including three (3) duplicate (QA/QC) samples were submitted to the contract laboratory for analysis. It should be noted that all field-sampling procedures included proper decontamination between borings to prevent down-hole and cross contamination. Upon completion of the probes and sampling operations, the probe holes were backfilled using the soil recovered through the sampling procedures and bentonite chips. Borings advanced in asphalt- or concrete-covered areas were also sealed with either asphalt cold-patch or concrete grout.

Table 6-1 Summary of Surface and Subsurface Soil Samples

Boring	Boring Depth (bgs)	Surface (SS) Sample Depth (bgs)	Subsurface (SB) Sample Depth (bgs)	Additional Sample Depths (bgs)	Sample Date
B-27	8'	0-4'	4-8'		2/4/08
B-28	16'	2-4'	4-8'	14-16'	2/4/08
B-29	16'	2-4'	6-8'		2/4/08
B-30	12'	0-4'	4-8'		2/4/08
B-31	16'	3-4'	4-6'		2/12/08
B-32	8'	0-1'	NS		2/4/08
B-33	8'	0-4'	NS		2/4/08
B-33	8'	0-4'	4-6'		2/19/08
B-34	20'	4-12'	12-16'		2/12/09
B-35	12'	2-4'	4-8'		2/5/09
B-36	12'	0-4'	4-8'		2/5/09
B-37	12'	0-4'	4-8'		2/4/09
B-38	12'	0-4'	4-8'		2/4/09
B-39	1.5'	0-1.5'	NS		2/19/09

NS = not sampled due to shallow refusal and/or limited recovery.

6.2 Groundwater Sampling

KCI collected a total of seven (7) groundwater samples including one duplicate (QA/QC) sample. Five (5) groundwater samples were collected from four (4) Geoprobe borings converted into temporary PVC piezometers. Following advancement of a boring at which groundwater was to be collected, a PVC piezometer was inserted into the borehole. After at least 24 hours, one-quarter inch (¼") diameter dedicated polyethylene tubing was inserted into the PVC and a peristaltic pump was used to retrieve groundwater via the inert polyethylene tubing. The groundwater was pumped directly into each of the sample containers, with particular care being taken to eliminate air bubbles within the containers that might distort the results. The samples were then assigned unique sample identifiers, placed on ice in coolers provided by the laboratory and delivered to the contract laboratory for analysis. Disposable nitrile gloves were worn at all times to avoid cross contamination of the samples. KCI also collected groundwater samples from two (2) existing monitoring wells in the same manner as described above for

the temporary PVC piezometers. Table 6-2 below summarizes the locations at which the groundwater samples were collected. Information regarding quality control and quality assurance samples is located in Section 6.7.

Table 6-2 - Summary of Groundwater Samples

Sample ID	Location	Approx. Depth to Groundwater (bgs)	Sample Date	Sample Time
GW-10	B-28	5 feet	2/5/09	13:30
GW-11	B-29	4 feet	2/5/09	14:50
GW-11	B-29	4 feet	2/19/09	10:30
GW-12	B-31	5 feet	2/13/09	11:20
GW-13	B-34	10 feet	2/13/09	10:35
GW-MW1A	MW1A	6 feet	2/13/09	14:45
GW-MW5	MW5	6.5 feet	2/13/09	12:30
GW-DUP02	MW1A	6 feet	2/13/09	14:45

Prior to collecting groundwater samples, water levels were obtained in temporary and permanent wells, to allow development of groundwater contours. Ground elevations at the wells were surveyed with reference to the Baltimore City Survey Control System. The data obtained are presented in Appendix C, and groundwater contours are presented on Figure 5. In general, it appears that groundwater flows from the northeast to the southwest across the site (i.e. from Russell Street towards the Patapsco River). It should be noted that water levels in temporary wells B-29 and B-31 are several feet higher than those measured in the permanent monitoring wells or those in other temporary wells. The temporary wells were not developed, so it is not clear whether the water levels in B-29 and B-31 are representative.

6.3 Soil Gas Sampling

KCI collected four (4) soil gas samples from the subsurface environment, just above the groundwater table. The soil gas sampling occurred on February 12, 2009, the locations of the soil gas sampling points (SG-11 – SG-14) are illustrated on Figure 4 in Appendix A of this report. Due to the known presence of volatile contaminants in subsurface soils and groundwater beneath the project site, the potential exists for volatile vapors to migrate into the building and negatively affect the indoor air quality. To evaluate the potential for vapor intrusion, KCI also collected four sub-slab vapor samples. KCI's sub-slab sampling locations are illustrated in Appendix A, Figure 4.

To collect the sub-slab vapor samples, KCI utilized a concrete coring machine to core two-inch diameter holes through the existing concrete slab. Following the coring, the first 6" of aggregate material (pea gravel) was penetrated with a tile probe to allow introduction of the sampling tube. A sub-atmospheric pressure sampling technique was utilized to collect the sub-slab air samples, using an evacuated Summa canister connected to an inert sampling tube via a flow-restrictive inlet. The sampling tube was lowered into the cored sample location, the sample hole was backfilled with pea gravel to within 1" of ground surface, and an inert temporary sealant was then used to seal the top of the sample hole.

Following set-up of the sampling apparatus, the regulator was opened and the Summa canister began collecting the air sample from the sub-slab atmosphere. This process was repeated for each of the samples. A twelve hour regulator was chosen for this investigation. One sample representative of a twelve hour, time-weighted average was collected from each of the sample locations. Following the

twelve hour collection period, the sub-slab air samples were submitted to the fixed laboratory for VOCs analysis via EPA Method TO-15. The Summa canisters were individually certified by the contract laboratory.

6.4 Field Screening

As indicated previously, field screening of surface and subsurface soils was conducted with a handheld Mini Rae 2000 photo ionization detector (PID). Headspace analysis was performed as a field screening procedure to estimate the amount of volatile organic compounds (VOCs) in specific strata of soil. At the beginning of each day the PID was calibrated in the field, prior to commencement of the day's activities. The PID was first zeroed using fresh air at the project site. Once zeroed, the PID was connected to 100 ppm span calibration gas. The PID was then calibrated to 100 ppm. All calibration procedures were conducted in accordance with manufacturer's specifications. PID readings obtained during this assessment are recorded on the soil boring logs located in Appendix B.

6.5 Decontamination

Proper decontamination of sampling equipment and field instruments is critical to prevent accidental cross-contamination of samples. A decontamination area was designated for each sampling activity and equipped with the necessary decontamination equipment (wash buckets, brushes, spray bottles, potable water, distilled water, towels, etc.) to adequately decontaminate the equipment being used.

All non-dedicated sampling equipment was decontaminated as described below. Decontamination procedures for non-dedicated sampling devices such as stainless steel screen point groundwater sampler, and the tip of the DPT probe were followed after each sample was collected. Decontamination procedures were as follows:

- Tap water rinse and Alconox soap wash and brush scrub;
- Rinse with distilled water and de-ionized water; and
- Air dry.

6.6 QA/QC Samples

For this assessment, KCI collected a variety of field QA/QC samples to ensure the quality of the data and increase the reliability of the results. The field QA/QC samples were collected in accordance with the City's QAPP and include the follow

1. Three (3) Soil Field Duplicate samples (blind duplicates)
2. One (1) Groundwater Field Duplicate sample (blind duplicate)
3. One (1) Temperature Blank per sample cooler
4. Three (3) Field Blank samples
5. Three (3) Trip Blank samples
6. One (1) groundwater Matrix Spike sample

One soil duplicate sample was collected during each day of sampling, for a total of three duplicate soil samples. Additionally, one (1) groundwater duplicate was also collected. The duplicate samples were collected at the same time as the original samples, utilizing identical methods. The duplicate samples were analyzed for the same parameters as the sample being duplicated.

Three (3) trip blank, three (3) field blank, and one (1) matrix spike samples were also prepared and submitted for analysis. The field blank samples were collected by pouring distilled water into the appropriate sample containers upon arriving at the site and prior to commencement of drilling operations. The trip blank samples were provided by the contract laboratory. The trip blank and field blank samples were analyzed for VOCs only. The matrix spike was collected from MW-5; the contract laboratory handled the matrix spike as a blind duplicate.

A temperature blank was also placed in each of the coolers submitted to the laboratory. The temperature blanks were prepared by the laboratory and were used to verify the temperature of the coolers/ samples at the time of delivery.

All QA/QC samples were placed directly into the laboratory-supplied sampling containers, labeled, logged into the field notebook and laboratory Chain-of-Custody form, and placed into coolers on ice for transport to the fixed laboratory. Disposable nitrile gloves were worn at all times to avoid cross contamination of the samples. Table 6-3 below summarizes the QA/QC samples collected as part of this assessment.

Table 6-3 - Summary of QA/QC Samples

Sample ID	Boring Location	Sample Date	Sample Time
SS-DUP02	B-37 (0-4')	2/4/09	
SS-DUP03	B-35 (2-4')	2/5/09	10:30
SB-DUP04	B-34 (12-16')	2/12/09	11:40
GW-DUP02	MW1A	2/13/09	14:15
GW-MS01	MW5	2/13/09	12:30
Trip Blank	--	2/2/09	--
Trip Blank-1	--	2/2/09	--
Trip Blank-2	--	2/2/09	--
Field Blank	--	2/13/09	--
Filed Blank-1	--	2/4/09	--
Field Blank-2	--	2/5/09	--

6.7 Sample Handling and Documentation

All soil, groundwater, and soil vapor samples were placed in clean containers provided by the contract laboratory, placed on ice, and delivered promptly. The contract laboratory for this assessment was Microbac Laboratories, Inc. of Baltimore, Maryland. All appropriate chain-of-custody procedures were utilized to track the samples from collection to final disposition. Copies of the chain-of-custody documentation as well as the laboratory certificates of analysis are included as Appendix D of this report.

7.0 LABORATORY ANALYSIS

7.1 Laboratory Information and Analytical Methods

Analyses of all soil, groundwater, surface water, and sediment samples were performed by Microbac Laboratories, Inc. 2101 Van Deman Street, Baltimore, Maryland 21224. For this assessment, KCI specified that samples be analyzed using the analytical methods necessary to meet MDE Voluntary Cleanup Program requirements. Care was taken to ensure that detection limits were low enough for meaningful comparison to the relevant MDE "Cleanup Standards for Soil and Groundwater Update 2.1" (June 2008). Table 7-1 provides a breakdown of the sample types and analytical parameters utilized for this assessment. Table 7-2 summarizes the analytical methods, containers, preservation, and holding times that were used. Note that the soil gas samples were collected for screening purposes.

Table 7-1 – Summary of Sample Locations/Depths and Analytical Suites

Sample	Boring Location (Depth)	Matrix	VOCs	SVOCs	Total PPL Metals	Dissolved PPL Metals	Pesticides	Herbicides	TPH-GRO	TPH-DRO
SS-27	B-27 (0-4')	Surface Soil	X	X	X		X	X	X	X
SB-27	B-27 (4-6')	Subsurface Soil	X	X	X			X	X	X
SS-28	B-28 (2-4')	Surface Soil	X	X	X		X	X	X	X
SB-28	B-28 (4-8')	Subsurface Soil	X	X	X			X	X	X
SB-28-2	B-28 (14-16')	Subsurface Soil	X	X	X		X	X	X	X
SS-29	B-29 (2-4')	Surface Soil	X	X	X			X	X	X
SB-29	B-29 (6-8')	Subsurface Soil	X	X	X		X	X	X	X
SS-30	B-30 (0-4')	Surface Soil	X	X	X		X	X	X	X
SB-30	B-30 (4-8')	Subsurface Soil	X	X	X			X	X	X
SS-31	B-31 (3-4')	Surface Soil	X	X	X		X	X	X	X
SB-31	B-31 (4-6')	Subsurface Soil	X	X	X			X	X	X
SS-32	B-32 (0-1')	Surface Soil	X	X	X		X	X	X	X
SB-32	Not Sampled	Not Sampled								
SS-33	B-33 (0-4')	Surface Soil	X	X	X		X	X	X	X
SB-33	B-33 (4-6')	Subsurface Soil	X	X	X				X	X
SS-34	B-34 (4-12')	Surface Soil	X	X	X		X	X	X	X
SB-34	B-34 (12-16')	Subsurface Soil	X	X	X			X	X	X
SS-35	B-35 (2-4')	Surface Soil	X	X	X		X	X	X	X
SB-35	B-35 (4-8')	Subsurface Soil	X	X	X			X	X	X
SS-36	B-36 (0-4')	Surface Soil	X	X	X		X	X	X	X
SB-36	B-36 (4-8')	Subsurface Soil	X	X	X			X	X	X
SS-37	B-37 (0-4')	Surface Soil	X	X	X		X	X	X	X
SB-37	B-37 (4-8'')	Subsurface Soil	X	X	X			X	X	X
SS-38	B-38 (0-4')	Surface Soil	X	X	X		X	X	X	X

Sample	Boring Location (Depth)	Matrix	VOCs	SVOCs	Total PPL Metals	Dissolved PPL Metals	Pesticides	Herbicides	TPH-GRO	TPH-DRO
SB-38	B-38 (4-8')	Subsurface Soil	X	X	X			X	X	X
SS-39	B-39 (0-1.5')	Surface Soil	X	X	X		X	X	X	X
GW-10	B-28	Groundwater	X	X		X		X	X	X
GW-11	B-29	Groundwater	X	X		X		X	X	X
GW-12	B-31	Groundwater	X	X		X		X	X	X
GW-13	B-34	Groundwater	X	X		X		X	X	X
GW-MW1A	MW-1A	Groundwater	X	X		X		X	X	X
GW-MW5	MW-5	Groundwater	X	X		X		X	X	X
SS-DUP02	B-37 (0-4')	Surface Soil	X	X	X		X	X	X	X
SS-DUP03	B-24 (4-8')	Surface Soil	X	X	X		X	X	X	X
SB-DUP04	B-34 (12-16')	Subsurface Soil	X	X	X			X	X	X
GW-DUP02	MW-1A	Groundwater	X	X		X		X	X	X
GW-MS01	MW-5	Groundwater	X	X		X		X	X	X
TB	--	Water	X							
TB-1	--	Water	X							
TB-2	--	Water	X							
FB	--	Water	X							
FB-01	--	Water	X							
FB-02	--	Water	X							
SG-11	SG-11	Soil Gas	X							
SG-12	SG-12	Soil Gas	X							
SG-13	SG-13	Soil Gas	X							
SG-14	SG-14	Soil Gas	X							

Table 7-2 - Sample Containers, Preservatives, and Analytical Methods

Analysis	Method	Containers	Preservatives	Holding Time
Surface and Subsurface Soil Samples				
VOCs	EPA 8260B	Tared 40-ml VOA vial	Methanol, Cool 4° C	14 Days to Analysis
SVOCs	EPA 8270C	4-oz Glass Jar, Teflon Liner	None, Cool 4° C	14 Days to Analysis
PPL Metals	EPA 6020	4-oz Glass Jar, Teflon Liner	None, Cool 4° C	180 Days to Analysis
PCBs / Pesticides	EPA 8081/ 8082	4-oz Glass Jar, Teflon Liner	None, Cool 4° C	14 Days to Analysis
Herbicides	EPA 8151	4-oz Glass Jar, Teflon Liner	None, Cool 4° C	14 Days to Analysis
TPH-GRO and DRO	EPA 8015M	4-oz Glass Jar, Teflon Liner	None, Cool 4° C	14 Days to Analysis
Groundwater Samples				
VOCs	EPA 8260	Two 40-ml VOA vials	HCL, pH<2, Cool 4° C	14 Days Analysis
SVOCs	EPA 8270C	1L Amber Glass Jar	None, Cool 4° C	7 Days to Extraction
Dissolved PPL Metals	EPA 6020	500 ml Plastic Container	HNO_3, pH<2, Cool 4° C	180 Days to Analysis[1]

Table 7-2 - Sample Containers, Preservatives, and Analytical Methods				
Analysis	**Method**	**Containers**	**Preservatives**	**Holding Time**
Cyanide	EPA 9010	1-300 ml Plastic Bottle	NaOH, pH>12, Cool 4° C	14 Days Analysis
PCBs / Pesticides	EPA 8081/ 8082	1L Amber Glass Jar	None, Cool 4° C	7 Days to Extraction
Herbicides	EPA 8151	1L Amber Glass Jar	NaThio, Cool 4° C	7 Days to Extraction
TPH-GRO	EPA 8015M	Two 40-ml VOA vials	HCL, pH<2, Cool 4° C	14 Days Analysis
TPH-DRO	EPA 8015M	1L Amber Glass Jar	None, Cool 4° C	7 Days to Extraction
Note: [1] = Sample was field - filtered prior to preserving with HNO_3				

8.0 FIELD INVESTIGATION RESULTS

8.1 Analytical Results

Copies of laboratory certificates of analysis and chain of custody documentation are included in Appendices D-1, D-2, and D-3. Tables summarizing analytical results for the soil samples are presented in Tables A through L in Appendix E.

The following discussion of analytical results includes comparisons to concentrations reported in the MDE Cleanup Standards for Soil and Groundwater, Update No. 2.1, June 2008 (the "Cleanup Standards"). For contaminants in soil, site concentrations are compared to Cleanup Standards for Non-Residential Soils. As a reference, KCI has also included the MDE Cleanup Standards for Residential Soils in the Analytical Results Tables included in Appendix E. For groundwater, site concentrations are compared to Cleanup Standards for Type I and II Aquifers.

For comparison purposes, the reported concentrations of soil gas were compared to the values presented in the EPA document *OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance) Table 2b: Target Shallow Soil Gas Concentration Corresponding to Target Indoor Air Concentration Where the Soil Gas to Indoor Air Attenuation Factor=0.1.* As noted earlier, the collection and analytical methods used for soil gas during this investigation were directed toward a screening-level assessment of soil gas.

Note that sample numbers correspond to boring numbers (Ex: sample SS-27 was collected from boring B-27). The designation SS refers to surface soils, while SB refers to subsurface soils.

8.1.1 Soil Sample Analytical Results

KCI directed the laboratory to use analytical methods with instrument detection limits low enough for meaningful comparison of the analytical results to relevant MDE cleanup standards. A total of 26 soil samples plus three (3) duplicate (QA/QC) samples were collected and analyzed for a variety of analytical parameters including: VOCs, SVOCs, TPH-GRO/DRO, Priority Pollutant List (PPL) metals, chlorinated herbicides, and pesticides. The following sections provide summaries of the findings from soil sample analysis for each of these analytical parameters. Soil sampling results were compared to MDE Clean-up Standards (CUS) for non-residential soils.

Volatile Organic Compounds (VOCs)

A summary of the analytical results for VOC analysis can be found on Table A in Appendix E. VOC analysis was performed on all of the surface and subsurface soil samples collected and submitted for analysis. The MDE CUS for non-residential soils was exceeded for two VOCs; PCE and TCE.

Tetrachloroethene (PCE) was detected at concentrations that exceeded the MDE CUS for non-residential soils (5,300 µg/kg) in two (2) of the twenty-six (26) soil samples. The concentrations of PCE in these samples ranged from 5,700 µg/kg to 14,000 µg/kg.

Trichloroethene (TCE) was detected at concentrations that exceeded the MDE CUS for non-residential soils (7,200 µg/kg) in four (4) of the twenty-six (26) soil samples. The concentrations of TCE in these samples ranged from 10,000 µg/kg to 39,000 µg/kg.

One soil sample had both a PCE and a TCE exceedance, so in total there are five (5) soil samples with chlorinated VOC concentrations above the MDE CUS.

As noted in Table A (Appendix E) five (5) soil VOC samples (SB-29, SS-36, SB-37, SS-38, SB-38) were analyzed just beyond the limits of their recommended 14-day maximum holding time by the contract laboratory. In order to estimate the effect of the extended holding time on the VOC analytical results for these samples, KCI requested a second VOC analysis for the six (6) samples with the highest VOC concentrations which were initially analyzed within the recommended holding time. For these six rerun samples, KCI compared the results of the initial VOC analysis to the second VOC analysis which was performed beyond the maximum recommended holding time of 14 days by an additional 8 to 9 days. A comparison of the results of the initial and beyond maximum holding time VOC analysis for the six (6) samples is presented in Table A-2 (Appendix E). Based on review of the results, it appears that the detected VOCs from the first round of analysis lost approximately 45 percent of the reported concentration when analyzed after the recommended maximum holding time by 8 to 9 days.

Based on this finding, we have conservatively assumed that the reported VOC results for SB-29, SS-36, SB-37, SS-38, and SB-38 are approximately ½ of the original concentration. For meaningful comparison to the MDE CUS, the reported VOC results have been doubled (Table A-3 of Appendix E) for those five samples. This doubling resulted in one additional estimated VOC concentration exceeding the MDE CUS; the reported 4,800 ug/kg TCE concentration in SB-38 was doubled to 9,600 ug/kg, at which point it exceeds the MDE CUS of 7,200 ug/kg. For the purposes of this report, the estimated concentration of 9,600 ug/kg is treated conservatively as a legitimate exceedance of the MDE CUS, and SB-38 is counted as one of the four (4) samples with TCE exceeding the MDE CUS.

Semi-Volatile Organic Compounds (SVOCs)

A summary of the analytical results for SVOC analysis can be found on Table B in Appendix E. SVOC analysis was performed on all of the surface and subsurface soil samples collected and submitted for analysis. The MDE CUS for non-residential soils was exceeded for five SVOCs; benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

Benzo(a)anthracene was detected at concentrations that exceeded the MDE CUS for non-residential soils (3,900 µg/kg) in one (1) of the twenty-six (26) soil samples. Sample SB-28 had a reported benzo(a)anthracene concentration of 13,000 µg/kg.

Benzo(b)fluoranthene was detected at concentrations that exceeded the MDE CUS for non-residential soils (3,900 µg/kg) in one (1) of the twenty-six (26) soil samples. Sample SB-28 had a reported benzo(b)fluoranthene concentration of 9,200 µg/kg.

Benzo(a)pyrene was detected at concentrations that exceeded the MDE CUS for non-residential soils (390 µg/kg) in four (4) of the twenty-six (26) soil samples. The concentrations of benzo(a)pyrene in three (3) of these samples ranged from 600 µg/kg to 800 µg/kg. Sample SB-28 had a reported benzo(a)pyrene concentration of 11,000 µg/kg.

Dibenz(a,h)anthracene was detected at concentrations that exceeded the MDE CUS for non-residential soils (390 µg/kg) in one (1) of the twenty-six (26) soil samples. Sample SB-28 had a reported dibenz(a,h)anthracene concentration of 2,700 µg/kg.

Indeno(1,2,3-cd)pyrene was detected at concentrations that exceeded the MDE CUS for non-residential soils (3,900 µg/kg) in one (1) of the twenty-six (26) soil samples. Sample SB-28 had a reported indeno(1,2,3-cd)pyrene concentration of 4,600 µg/kg.

Total Petroleum Hydrocarbons (TPH)

A summary of the analytical results for TPH-GRO/DRO analysis can be found on Table C in Appendix E. TPH analysis was performed on all of the surface and subsurface soil samples collected and submitted for analysis. Several of the borings were advanced in the vicinity of known or suspected USTs or in close proximity to off-site properties with known or suspected petroleum impacts. TPH-GRO/DRO analysis was performed on all of the surface and subsurface soil samples collected and submitted for analysis.

In summary, none of the soil samples exceeded the MDE CUS for TPH-GRO (non-residential soils) of 620 mg/kg. However, two (2) of the twenty-six (26) soil samples contained concentrations of DRO that exceeded the MDE CUS for TPH-DRO (non-residential soils) of 620 mg/kg; these included SS-34 (1,200 mg/kg) and SB-34 (1,800mg/kg).

Priority Pollutant Metals

A summary of the analytical results for PPL metals analysis can be found on Table D in Appendix E. Total PPL metals analysis was performed on all surface and subsurface soil samples collected and submitted for analysis. The MDE CUS for non-residential soils was exceeded for six specific metals; antimony, arsenic, chromium, manganese, thallium, and vanadium. For arsenic, the MDE Anticipated Typical Concentration (ATC) for eastern Maryland soils was used in place of the CUS because the ATC for arsenic is greater than the CUS.

Antimony was detected at concentrations that exceeded the MDE CUS for non-residential soils (41 mg/kg) in one (1) of the twenty-six (26) soil samples. Sample SB-38 had a reported antimony concentration of 150 mg/kg.

Arsenic was detected at concentrations that exceeded the MDE ATC (3.6 mg/kg) in ten (10) of the twenty-six (26) soil samples. The concentrations of arsenic in nine (9) of these samples ranged from 4.8 mg/kg to 49 mg/kg. Sample SB-38 had a reported arsenic concentration of 4,200 mg/kg.

Chromium was detected at concentrations that exceeded the MDE CUS for non-residential soils (310 mg/kg) in one (1) of the twenty-six (26) soil samples. Sample SB-38 had a reported chromium concentration of 3,200 mg/kg.

Manganese was detected at concentrations that exceeded the MDE CUS for non-residential soils (2,000 mg/kg) in one (1) of the twenty-six (26) soil samples. Sample SB-34 had a reported chromium concentration of 4,900 mg/kg.

Thallium was detected at concentrations that exceeded the MDE CUS for non-residential soils (7.2 mg/kg) in one (1) of the twenty-six (26) soil samples. Sample SB-38 had a reported thallium concentration of 200 mg/kg.

Vanadium was detected at concentrations that exceeded the MDE CUS for non-residential soils (100 mg/kg) in five (5) of the twenty-six (26) soil samples. The concentrations of vanadium in four (4) of these samples ranged from 110 mg/kg to 160 mg/kg. Sample SB-38 had a reported vanadium concentration of 1,500 mg/kg.

Note that in accordance with Maryland VCP protocols, KCI has requested speciation of the mercury results in the four (4) soil samples having the highest mercury concentrations. In addition, the contract laboratory reported speciation of hexavalent chromium for the two (2) soil samples with the highest total chromium concentrations. Results are reported in table 8-1 below.

Table 8-1 – Summary of Hexavalent Chromium and Elemental Mercury Supplemental Analysis

Sample (Depth)	Total Chromium	Hexavalent Chromium	Total Mercury	Mercury, Elemental
SS-27 (0-4')	-	-	0.25 mg/kg	0.316 mg/kg
SB-28 (4-8')	-	-	0.29 mg/kg	0.297 mg/kg
SB-30 (4-8')	-	-	0.87 mg/kg	0.128 mg/kg
SS-DUP03 (0-2')	-	-	1.8 mg/kg	0.134 mg/kg
SB-31 (4-6')	160 mg/kg	<0.49 mg/kg	-	-
SB-38 (4-8')	3,200 mg/kg	<0.5 mg/kg	-	-

Hexavalent chromium was not detected above the detection limit. The Non-residential CUS for hexavalent chromium is 310 mg/kg.

The elemental mercury results ranged from 0.128 to 0.316 mg/kg. In some cases, the elemental mercury result was slightly higher than the total mercury result in the same sample; this may be attributed to sample heterogeneity. There is no MDE CUS for elemental mercury in soil; instead, an applicant is advised that the vapor intrusion and inhalation of volatiles and dust pathways must be evaluated when mercury results exceed the regional mercury ATC (MDE, 2008). The ATC for mercury in the eastern Maryland region is 0.51 mg/kg. None of the elemental mercury results exceed the ATC.

Chlorinated Herbicides

A summary of the analytical results for chlorinated herbicides analysis can be found on Table E in Appendix E. Chlorinated herbicide analysis was performed on all of the surface and subsurface soil samples collected and submitted for analysis except SB-33. However, chlorinated herbicides were not detected in any of the soil samples at concentrations exceeding the MDE CUS (non-residential soils).

Pesticides

A summary of the analytical results for pesticides analysis can be found on Table F in Appendix E. Pesticide analysis was performed on surface soils samples from each boring except B-29. Subsurface soils were analyzed for pesticides in B-29. One supplemental sample (SB-28-2) was analyzed for pesticides from B-28. However, no detectable concentrations of pesticides were found in any of the analyzed samples.

Soil Analytes Detected Greater than the MDE CUS

Table 8-2, presented below, provides a summary of the soil samples collected and indicates samples with analytes detected at concentrations greater than the MDE Non-residential Soil CUS. The table also indicates the number of analytes per sample which were detected at concentrations greater than the MDE Non-residential Soil CUS.

Table 8-2 – Summary of Analtyes Detected at Concentrations Greater Than the MDE Non-residential Soil CUS

Sample	VOC Analytes > MDE CUS	SVOC Analytes > MDE CUS	PPL Metal Analytes> MDE CUS (Arsenic excluded)	Arsenic > MDE ATC	Pesticide Analytes > MDE CUS	Herbicide Analytes > MDE CUS	TPH-GRO> MDE CUS	TPH-DRO > MDE CUS
SS-27	1			1				
SB-27				1				
SS-28								
SB-28	2	5		1				
SB-28-2			1					
SS-29	1	1		1				
SB-29								
SS-30				1				
SB-30		1						
SS-31			1					
SB-31			1					
SS-32								
SS-33								
SB-33								
SS-34								1
SB-34			2					1

Sample	VOC Analytes > MDE CUS	SVOC Analytes > MDE CUS	PPL Metal Analytes> MDE CUS (Arsenic excluded)	Arsenic > MDE ATC	Pesticide Analytes > MDE CUS	Herbicide Analytes > MDE CUS	TPH-GRO> MDE CUS	TPH-DRO > MDE CUS
SS-35		1		1				
SB-35								
SS-36								
SB-36				1				
SS-37				1				
SB-37				1				
SS-38	1							
SB-38	1		4	1				
SS-39								

Detections in Soil that Imply TCLP Hazardous Characteristics

Some of the detections in soil are high enough to imply that the soils may be considered hazardous waste if they were to be excavated. This is based on the "Rule of 20" calculation, where the Toxicity Characteristic Leaching Procedure (TCLP) Regulatory Level (as codified in 40 CFR 261) is multiplied by a factor of 20 for comparison to mass concentrations in soil. (This factor is derived from the 20:1 liquid: solid ratio used in the TCLP lab test.) If the maximum concentration in soil equals or exceeds the "Rule of 20" screening concentration, then the soil is typically considered at relatively higher risk to be classified as an EPA hazardous waste if excavated and subjected to a TCLP test.

Table 8-3 – Comparison of TCLP Regulatory Levels to Maximum Detections in Soil

Analyte	TCLP Hazardous Characteristic Regulatory Level (mg/L)	"Rule of 20" Screening Concentration (mg/kg)	Maximum On-Ste Concentration Detected (mg/kg)	Location of Maximum On-Site Concentration (if > "Rule of 20" concentration)
Arsenic	5.0	100	4,200	B-38 (4-8')
Barium	100.0	2,000	230	
Benzene	0.5	10	0.049	
Cadmium	1.0	20	140	B-38 (4-8')
Carbon Tetrachloride	0.5	10	0.38	
Chlordane	0.03	0.6	ND	
Chlorobenzene	100.0	2,000	ND	
Chloroform	6.0	120	0.98	
Chromium	5.0	100	3,200	B-38 (4-8')
o-Cresol	200.0	4,000	NA	
m-Cresol	200.0	4,000	NA	

Analyte	TCLP Hazardous Characteristic Regulatory Level (mg/L)	"Rule of 20" Screening Concentration (mg/kg)	Maximum On-Ste Concentration Detected (mg/kg)	Location of Maximum On-Site Concentration (if > "Rule of 20" concentration)
p-Cresol	200.0	4,000	NA	
2,4-D	10.0	200	1.2	
1,4-Dichlorobenzene	7.5	150	ND	
1,2-Dichloroethane	0.5	10	ND	
1,1-Dichloroethylene	0.7	14	ND	
2,4-Dinitrotoluene	0.13	2.6	ND	
Endrin	0.02	0.4	ND	
Heptachlor	0.008	0.16	ND	
Hexachlorobenzene	0.13	2.6	ND	
Hexachlorobutadiene	0.5	10	ND	
Hexachloroethane	3.0	60	ND	
Lead	5.0	100	380	B-28 (4-8')
Lindane	0.4	8	NA	
Mercury	0.2	4	1.8	
Methoxylchlor	10.0	200	ND	
Methyl ethyl ketone	200.0	4,000	ND	
Nitrobenzene	2.0	40	ND	
Pentachlorophenol	100.0	2,000	ND	
Pyridine	5.0	100	NA	
Selenium	1.0	20	15	
Silver	5.0	100	200	B-38 (4-8')
Tetrachloroethylene	0.7	14	14	B-28 (4-8')
Toxaphene	0.5	10	ND	
Trichloroethylene	0.5	10	39	B-29 (2-4')
2,4,5-Trichlorophenol	400.0	8,000	NA	
2,4,6-Trichlorophenol	2.0	40	NA	
2,4,5-TP (Silvex)	1.0	20	1.7	
Vinyl Chloride	0.2	4	ND	

A total of seven (7) parameters were detected on site at concentrations exceeding the "Rule of 20" concentration that may imply hazardous characteristics, were the soil to be subjected to a TCLP test. The parameters include five (5) metals and two (2) VOCs. There was one particular sample (B-38 at 4-8') which had a number of metals exceeding the threshold, however it should be noted that lead was detected above the threshold at a number of locations. Some of the parameters that exceeded the "Rule of 20" screening value did not exceed their applicable MDE CUS for non-residential soil (e.g. cadmium, lead, and silver).

It should be noted that there is a distinction between the MDE CUS, which is a human health risk-based standard, and the "Rule of 20" concentration, which is derived from the "Maximum Concentration of

Contaminants for the Toxicity Characteristic" (40 CFR 261.24). In the first instance, MDE has determined (for example) that a mercury concentration of 31 mg/kg represents an unacceptable risk to human visitors during an average work day. In the second instance, the "Rule of 20" suggests that a concentration of mercury exceeding 4 mg/kg in soil is relatively likely to yield greater than 0.2 mg/L mercury in TCLP leachate, which under federal regulations would cause the soil to be classified as a hazardous waste once excavated.

8.1.2 Groundwater Sample Analytical Results

A total of six (6) groundwater samples plus one (1) duplicate (QA/QC) sample were collected and analyzed for a variety of analytical parameters including: VOCs, SVOCs, TPH-GRO/DRO, Priority Pollutant metals (dissolved), and chlorinated herbicides. The sample locations are illustrated on Figure 4 in Appendix A. The following sections provide summaries of the findings from groundwater sample analysis for each of the analytical parameters. Groundwater sampling results were compared to MDE Clean-up Standards CUS for Type I and II Aquifers (June 2008).

Volatile Organic Compounds (VOCs)

A summary of the analytical results from the VOC analysis of groundwater samples can be found in Table G in Appendix E. VOC analysis was performed on six (6) groundwater samples and one (1) duplicate groundwater sample. The MDE CUS for Type I and II Aquifers was exceeded for five (5) VOCs; including PCE, TCE, 1,1-dichloroethene, cis-1,2-dichloroethene, and vinyl chloride.

PCE was detected at concentrations that exceeded the MDE CUS for Type I and II Aquifers (5 µg/L) in three (3) of the six (6) groundwater samples. The concentrations of PCE in these samples ranged from 15 µg/L to 500 µg/L in GW-MW5.

TCE was detected at concentrations that exceeded the MDE CUS for Type I and II Aquifers (5 µg/L) in five (5) of the six (6) groundwater samples. The concentrations of TCE in these samples ranged from 6.7 µg/L to 3,800 µg/L in GW-11.

1,1-Dichloroethene was detected at concentrations that exceeded the MDE CUS for Type I and II Aquifers (7 µg/L) in one (1) of the six (6) groundwater samples. Sample GW-MW5 had a reported 1,1-dichloroethene concentration of 8.3 µg/L.

Cis-1,2-Dichloroethene was detected at concentrations that exceeded the MDE CUS for Type I and II Aquifers (70 µg/L) in two (2) of the six (6) groundwater samples. The concentrations of cis-1,2-Dichloroethene in samples GW-MW5 and GW-11 were 310 µg/L and 420 µg/L respectively.

Vinyl Chloride was detected at concentrations that exceeded the MDE CUS for Type I and II Aquifers (2 µg/L) in two (2) of the six (6) groundwater samples. The concentrations of Vinyl Chloride in samples GW-11 and GW-MW5 were 17 µg/L and 57 µg/L respectively.

A comparison of available groundwater sampling results from a former Phase II Assessment of 1551 Russell Street (Datanet Engineering, dated December 15, 2000) and the current assessment are provided in table 8-4 presented below.

Table 8-4 – Comparison of Monitoring Well Sampling Results
October 2000 to February 2009

Analyte	MW-1 October, 2000 mg/L	MW-1A February, 2009 mg/L	MW-5 October, 2000 mg/L	MW-5 February, 2009 mg/L
1,4-Dichlorobenzene	<0.015	<0.00088	0.032	<0.00088
cis-1, 2-Dichloroethene	0.0065J	.0078	0.438	.310
1,1-Dichloroethene	<0.015	<0.0003	0.013	0.0078
Chloroform	0.018	.0078	<0.020	.0025
PCE	0.330	0.015	0.273	0.5
TCE	0.036	0.017	0.323	0.520
Vinyl Chloride	<0.015	<0.00025	0.155	0.057

In general, concentrations of PCE and TCE at location MW-1 declined, while the concentration of the TCE degradation daughter compound cis-1,2-dichloroethene increased. At location MW-5, the concentrations of PCE and TCE increased, while the concentrations of daughter products cis-1,2-dichloroethene and vinyl chloride declined.

Semi-volatile Organic Compounds (SVOCs)

A summary of the analytical results for SVOC analysis can be found on Table H in Appendix E. SVOC analysis was performed on six (6) groundwater samples and one (1) duplicate groundwater sample. collected from across the project site. The MDE CUS for Type I and II Aquifers was exceeded for one (1) SVOC; 2-methylnaphthalene.

In sample GW-13, 2-methylnaphthalene was detected at concentration of 77 µg/L, where it exceeded the MDE CUS of 2.4 µg/L.

Total Petroleum Hydrocarbons (TPH)

A summary of the analytical results for TPH-GRO/DRO analysis can be found on Table I in Appendix E. A total of six (6) groundwater samples and one (1) duplicate groundwater sample were collected and submitted for TPH-GRO/DRO analysis.

Concentrations of TPH-DRO exceeding the MDE CUS of 47 µg/L were detected in one (1) of the six (6) groundwater samples. Sample GW-11 had a reported DRO concentration of 65 µg/L.

Concentrations of TPH-GRO exceeding the MDE CUS of 47 µg/L were detected in three (3) of the six (6) groundwater samples. These included samples GW-11, GW-13, and GW-MW5. Concentrations of TPH-GRO collected from the samples were 1,000 µg/L, 120 µg/L, and 370 µg/L, respectively.

Priority Pollutant Metals (dissolved)

A summary of the analytical results for PPL metals analysis can be found on Table J in Appendix E. A total of six (6) groundwater samples and one (1) duplicate groundwater sample were collected and

submitted for dissolved metals analysis. The MDE CUS for Type I and II Aquifers was exceeded for ten specific metals; antimony, aluminum, arsenic, cadmium, chromium, lead, manganese, nickel, thallium, and vanadium.

Aluminum was detected at concentrations that exceeded the MDE CUS (0.05 mg/L) in two (2) of the six (6) groundwater samples. Sample GW-MW5 had a reported aluminum concentration of 14 mg/L.

Antimony was detected at concentrations that exceeded the MDE CUS (0.006 mg/L) in one (1) of the six (6) groundwater samples. Sample GW-12 had a reported antimony concentration of 0.01 mg/L.

Arsenic was detected at concentrations that exceeded the MDE CUS (0.01 mg/L) in one (1) of the six (6) groundwater samples. Sample GW-13 had a reported arsenic concentration of 2.6 mg/L.

Cadmium was detected at concentrations that exceeded the MDE CUS (0.005 mg/L) in two (2) of the six (6) groundwater samples. Samples GW-13 and GW-MW5 had reported cadmium concentrations of 0.017 mg/L and 0.029 mg/L respectively.

Chromium was detected at concentrations that exceeded the MDE CUS (0.1 mg/L) in one (1) of the six (6) groundwater samples. Sample GW-13 had a reported chromium concentration of 0.86 mg/L.

Lead was detected at concentrations that exceeded the MDE CUS (0.015 mg/L) in one (1) of the six (6) groundwater samples. Sample GW-13 had a reported lead concentration of 0.017 mg/L.

Manganese was detected at concentrations that exceeded the MDE CUS (0.050 mg/L) all six (6) groundwater samples. Concentrations of ranged from 0.073 to 11 mg/L.

Nickel was detected at concentrations that exceeded the MDE CUS (0.073 mg/L) in three (3) of the six (6) groundwater samples. Reported nickel concentrations ranged from 0.12 mg/L to 0.23 mg/L.

Thallium was detected at concentrations that exceeded the MDE CUS (0.002 mg/L) in one (1) of the six (6) groundwater samples. Sample GW-13 had a reported thallium concentration of 0.033 mg/L.

Vanadium was detected at concentrations that exceeded the MDE CUS (0.0037 mg/L) in one (1) of the six (6) groundwater samples. Sample GW-13 had a reported vanadium concentration of 0.54 mg/L.

Chlorinated Herbicides

A summary of the analytical results for Chlorinated Herbicides analysis can be found on Table K in Appendix E. A total of seven (7) groundwater samples and one (1) duplicate groundwater sample were collected and submitted for analysis for chlorinated herbicides. No chlorinated herbicides were detected at concentrations that exceeded MDE CUS for Type I and II Aquifers in any of the groundwater samples.

Groundwater Analytes Detected Greater than the MDE CUS

Table 8-4, presented below, provides a summary of the groundwater samples collected and indicates which samples had analytes detected at concentrations greater than the MDE CUS for Type I and II Aquifers. The table also indicates the number of analytes per sample which were detected at concentrations greater than the MDE CUS.

Table 8-5 – Summary of Analtyes Detected at Concentrations Greater Than the MDE CUS for Type I and II Aquifers

Sample	VOC Analytes > MDE CUS	SVOC Analytes > MDE CUS	PPL Metal Analytes> MDE CUS	Herbicide Analytes > MDE CUS	TPH-GRO> MDE CUS	TPH-DRO > MDE CUS
GW-10	2		2			
GW-11	3		1		1	1
GW-12			3			
GW-13	1	1	8		1	
GW-MW1A	2		1			
GW-MW5	5		4		1	

8.1.3 Soil Gas Sample Analytical Results

Table L in Appendix E presents the analytical results from the soil gas screening completed as part of this investigation. A total of four (4) soil gas samples were collected from across the project site. The soil gas samples were analyzed for VOCs via EPA Method TO-15. For sake of comparison, the reported concentrations were measured against the values presented in the EPA document *OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance) Table 2b: Target Shallow Soil Gas Concentration Corresponding to Target Indoor Air Concentration Where the Soil Gas to Indoor Air Attenuation Factor=0.1.* A map depicting the location of soil gas samples is included as Figure 4 in Appendix A.

A total of six (6) VOC analytes were detected at concentrations above the EPA Target Shallow Soil Gas Concentrations in the collected soil gas samples. The analytes detected above the target concentrations included PCE, TCE, cis-1, 2-dichloroethene, trans-1, 2-dichloroethene, chloroform, and vinyl chloride.

TCE was detected in each of the soil gas samples at concentrations exceeding the EPA Target Shallow Soil Gas Concentrations (0.41 parts per billion volume, or ppbv). Three (3) of the four (4) samples had concentrations of TCE ranging from 2.6 ppbv to 10 ppbv. Sample SG-11 had a reported concentration of 2700 ppbv.

PCE was detected in sample SG-11 at a concentration exceeding the EPA Target Shallow Soil Gas Concentration (12 ppbv). Sample SG-11 had a reported PCE concentration of 4300 ppbv.

Cis-1, 2-Dichloroethene was detected in sample SG-11 at a concentration exceeding the EPA Target Shallow Soil Gas Concentration (88 ppbv). Sample SG-11 had a reported cis-1, 2-dichloroethene concentration of 310 ppbv.

Trans-1, 2-Dichloroethene was detected in sample SG-11 at a concentration exceeding the EPA Target Shallow Soil Gas Concentrations (188 ppbv). Sample SG-11 had a reported trans-1, 2-dichloroethene concentration of 460 ppbv.

Chloroform was detected in sample SG-11 at a concentration exceeding the EPA Target Shallow Soil Gas Concentration (2 ppbv). Sample SG-11 had a reported chloroform concentration of 310 ppbv.

Vinyl Chloride was detected in sample SG-11 at a concentration exceeding the EPA Target Shallow Soil Gas Concentration (11 ppbv). Sample SG-11 had a reported vinyl chloride concentration of 36 ppbv.

8.1.4 QA/QC Sample Analytical Results

As discussed in section 6.7 of this report, KCI collected a variety of field QA/QC samples to ensure the quality of the data and increase the reliability of the results. The field QA/QC collected included the following:

- Three (3) Soil Field Duplicate samples
- One (1) Groundwater Field Duplicate sample
- One (1) Temperature Blank per sample cooler
- Three (3) Field Blank samples
- Three (3) Trip Blank samples
- One (1) Matrix Spike sample

The three (3) trip blank samples (Trip Blank, Trip Blank-1, Trip Blank-2) collected during this investigation were analyzed for VOCs only. Detectable concentrations of methylene chloride (5.1 µg/L) and chloroform (0.58 µg/L) were reported in Trip Blank-1. Detectable concentrations of methylene chloride (0.53 µg/L) were reported in Trip Blank-2. Likewise, three field blank samples (Field Blank, Field Blank-1, Field Blank-2) collected as part of this investigation were analyzed for VOCs only. Methylene chloride was detected in samples Field Blank and Field Blank-1, at concentrations of 0.34 µg/L and 0.34 µg/L respectively. Methylene chloride is a common laboratory contaminant.

Three (3) blind duplicate soil samples were collected during this investigation. The blind duplicate soil samples were analyzed for the same parameters as the sample being duplicated. The blind duplicate soil sample SS-DUP02 was collected from boring B-37 at a depth of 0-4' bgs. This duplicate corresponds to sample SS-37. Blind duplicate sample SS-DUP02 was analyzed for VOCs, SVOCs, TPH-GRO and TPH-DRO, chlorinated herbicides, and metals. VOCs TCE and PCE were detected in the original sample at 240 and 410 ug/kg, but were not detected in the duplicate. Other VOCs, SVOCs, TPH-GRO, and, TPH-DRO were not detected in either sample. One chlorinated herbicide (2,4-D) was detected at 0.84 ug/kg in the duplicate, but was not detected in the original sample. The metals showed the same general concentrations in the original sample as in the duplicate. The variance can be attributed to the heterogeneous nature of soil.

The blind duplicate soil sample SS-DUP03 was collected from boring B-35 at a depth of 2-4' bgs. This blind duplicate corresponds to sample SS-35. Blind duplicate sample SS-DUP02 was analyzed for VOCs, SVOCs, metals, pesticides and herbicides. Results from this duplicate sample were nearly identical to the original sample (SS-35). The same analytes were detected in both the blind duplicate and the original samples with the exception of indeno(1,2,3-cd)pyrene, which was detected at low levels in the SS-35 sample only, and o-xylene, toluene, and total xylenes were detected at low levels in the duplicate sample only.

The blind duplicate soil sample SB-DUP04 was collected from boring B-34 at a depth of 12-16' bgs. This blind duplicate corresponds to sample SB-34. Blind duplicate sample SB-DUP04 was analyzed for VOCs, SVOCs, metals, pesticides and herbicides. Results from this duplicate sample were nearly identical to the original sample (SB-34). The same analytes were detected in both the blind duplicate and the original samples with the exception of acenaphthene and dibenzofuran, which were detected at low levels in the SB-34 sample only. The concentrations tended to be slightly lower for each constituent in the duplicate sample.

One duplicate groundwater sample was collected during this investigation. The duplicate groundwater sample GW-DUP02 was collected from monitoring well MW-1A. This duplicate sample corresponds to sample GW-MW1A. Duplicate sample GW-DUP01 was analyzed for VOCs, SVOCs, metals, and herbicides. Results from this duplicate sample were nearly identical to the original sample (GW-MW1A).

9.0 CONSTITUENTS OF CONCERN

The analytical findings from this investigation revealed that the primary constituents of concern exceeding their respective MDE CUS at the Maryland Chemical properties appear to be chlorinated solvents, petroleum compounds, SVOCs, and metals. Some of these constituents of concern are widespread across the site, and some seem to be more locally distributed. Additional discussion concerning the findings is provided in the following report sections. Conclusions and recommendations are provided in Section 10.0 of this report.

9.1 Chlorinated Solvents in Soil, Groundwater, and Soil Vapor

Previous investigations, reviewed during KCI's Phase I ESA of the subject site, indicated that chlorinated solvents such as trichloroethene (TCE), tetrachloroethene (PCE) and 1,2-dichloroethene (DCE) have historically been detected in the groundwater beneath the Maryland Chemical Corp. properties. As described in Sections 8.1.1. and 8.1.2, the chlorinated organic compounds PCE, TCE and DCE were identified in soils and groundwater beneath the three Maryland Chemical properties.

Chlorinated Solvents in Soil

As discussed previously, concentrations of PCE and TCE exceeding the MDE CUS for non-residential soils were identified in four (4) of the twenty-six (26) surface and subsurface soil samples obtained during this assessment. The highest soil concentrations were found in the surface soil samples collected from borings B-27, B-29, and B-38 and the subsurface sample collected from B-28. All four of these sample locations are beneath the western portion of the property near the former outdoor chemical storage area.

Moreover, the maximum detected concentrations of PCE and TCE are high enough that they may cause the soils to exhibit the characteristic of toxicity (i.e. be considered hazardous waste), if the soils were to be excavated and subjected to a TCLP test.

Chlorinated Solvents in Groundwater

The analysis of groundwater samples revealed the presence of concentrations of TCE, PCE, cis-1,2-dichloroethene, DCE, and/or vinyl chloride exceeding relevant MDE CUS in varying combinations in five (5) of the six (6) groundwater samples. In general, the highest concentrations were found in the

sample collected at GW-11 (near the former hazardous waste storage area), while the most MDE CUS exceedances were found in the sample collected from MW-5.

Chlorinated Solvents in Soil Vapor

A total of six (6) VOC analytes were detected at concentrations above the EPA Target Shallow Soil Gas Concentrations in the four (4) collected soil gas samples. The analytes detected above the target concentrations included; PCE, TCE, cis-1,2-dichloroethene, trans-1,2-dichloroethene, chloroform, and vinyl chloride.

Sample SG-11 contained concentrations of all six (6) above listed VOCs which exceeded the EPA Target Shallow Soil Gas Concentrations. TCE was the only VOC exceeding the EPA Target Shallow Soil Gas Concentrations in the remaining three soils gas samples.

Sample SG-11 was collected near the western corner of the property, adjacent to a 1993 TCE spill area. This area appears to represent a continuing source of chlorinated solvent to soil, soil vapor, and groundwater.

9.2 Petroleum Compounds in Soil and Groundwater

Petroleum Compounds in Soil

Concentrations of TPH-DRO that exceeded the MDE CUS were identified in soil samples collected from B-34. B-34 is located down gradient from an abandoned heating oil UST. TPH-GRO and TPH-DRO were not detected above the MDE CUS in any of the remaining soil samples. TPH-DRO and TPH-GRO cannot impart the toxicity characteristic on a waste.

Petroleum Compounds in Groundwater

TPH-GRO was detected above the MDE CUS in three (3) of the six groundwater samples. One of these samples also had a concentration of TPH-DRO above the MDE CUS.

TPH-GRO was detected above the MDE CUS at GW-11 (near the former hazardous waste storage area), GW-13 (downgradient from an abandoned heating oil UST) and MW-5. TPH-DRO was also detected above the MDE CUS at GW-13.

9.3 SVOCs in Soil and Groundwater

Semi-Volatile Organic Compound (SVOC) analysis was performed on all of the surface and subsurface soil samples collected for this assessment.

SVOCs in Soil

Sample SB-28 contained five (5) SVOC compounds at concentrations greater than the non-residential MDE CUS including; benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene. Boring B-28 was completed at the former acid preparation and storage area.

Benzo(a)pyrene was also detected above the non-residential MDE CUS in SS-29, SB-30, and SS-35. All of the soil samples with SVOC exceedances of the non-residential MDE CUS were collected on the western portion of the property.

None of the maximum detected concentrations of SVOCs were high enough to cause the soils to exhibit the characteristic of toxicity (i.e. be considered hazardous waste), if the soils were to be excavated and subjected to a TCLP test.

SVOCs in Groundwater

One SVOC compound, 2-methylnaphthalene was detected in groundwater sample GW-13 at a concentration above the MDE CUS. None of the remaining SVOC compounds were detected above the MDE CUS in any of the groundwater samples.

9.4 Metals in Soil and Groundwater

Metals in Soil

Heavy metal contamination exists across much of the project site. The MDE CUS for non-residential soils was exceeded for six specific metals; antimony, arsenic, chromium, manganese, thallium, and vanadium. Arsenic was detected in ten (10) of the twenty-six (26) samples at concentrations which exceeded the MDE ATC (Anticipated Typical Concentration, MDE, 2008). Metals other than arsenic were detected in five (5) of the twenty-six (26) samples at concentrations exceeding their respective non-residential MDE CUS. Only one (1) sample had both arsenic and non-arsenic exceedances. That sample was collected at SB-38, and had a total of five (5) metals detected in exceedance of the non-residential MDE CUS. Boring B-38 is located in the loading area, adjacent to the former hazardous waste storage area.

The locations of soil samples with metals exceedances are widespread, and that combined with the variety of metals exceeding the non-residential MDE CUS (many only once in 26 samples) is not suggestive of an on-site release or source.

These findings are similar to previous data for portions of the site obtained from a 2006 MDE report and discussed in KCI's Phase I ESA. In their report, MDE determined that the heavy metals arsenic, lead, and mercury were present in the fill soils comprising the upper six feet of six water front parcels situated just east of the Project Site, and that the concentration of these metals exceeded the human health standards. The findings from this Phase II investigation of the former Maryland Chemical Corp. properties demonstrate that heavy metal contamination is not isolated to the water front parcels but also extends across the project site (note that MDE's investigation was for the waterfront parcels only). Heavy metal contamination across the former Maryland Chemical Corp. portion may be related to historic soil filling operations.

The maximum detected concentrations of arsenic, cadmium, chromium, lead, and silver are high enough that they may cause the soils to exhibit the characteristic of toxicity (i.e. be considered hazardous waste), if the soils were to be excavated and subjected to a TCLP test. Lead in particular was detected in several samples at concentrations that may cause the soils to be considered hazardous waste if subjected to a TCLP test, even though the lead concentration did not exceed the non-residential MDE CUS.

Metals in Groundwater

Dissolved concentrations of heavy metals exceeding MDE CUS for Type I and II Aquifers were found in all six (6) groundwater samples collected as part of this investigation. Sample GW-13 had eight (8) dissolved metals at concentrations exceeding the MDE CUS. The MDE CUS was exceeded for ten specific dissolved metals; antimony, aluminum, arsenic, cadmium, chromium, lead, manganese, nickel, thallium, and vanadium. The CUS for manganese (0.050 mg/L) was exceeded in each sample. In two samples (GW-11 and MW-1A), the manganese CUS was the only one exceeded.

10.0 CONCLUSIONS AND RECOMENDATIONS

10.1 Conclusions

KCI was retained by the Baltimore Development Corporation (Client) to perform a Brownfields Phase II Environmental Site Assessment on the Maryland Chemical parcels of the Gateway South Redevelopment properties. The subject site is comprised of three (3) parcels of property, formerly owned by Maryland Chemical and now owned by the City of Baltimore, located within the Eastern Carroll-Camden Industrial Area of Baltimore City, Maryland. On December 31, 2008, the Maryland Department of the Environment (MDE) approved a site-specific Phase II ESA Sampling and Analysis Plan Supplement (KCI, 2008b.) The purpose of this Phase II ESA was to gather additional information to support the enrollment of the subject site in Maryland's Voluntary Cleanup Program (VCP).

Soil Quality Conclusions

A total of 26 soil samples plus three (3) duplicate (QA/QC) samples were collected and analyzed for a variety of analytical parameters including: VOCs, SVOCs, TPH-GRO/DRO, Priority Pollutant List metals, and chlorinated herbicides. Surface soil samples were also analyzed for pesticides. Soil sampling results were compared to MDE Clean-up Standards (CUS) for Non-residential soils.

Concentrations of PCE and TCE exceeding the MDE CUS for non-residential soils were identified in four (4) of the twenty-six (26) surface and subsurface soil samples obtained during this assessment. One sample contained five (5) SVOC compounds at concentrations greater than the non-residential MDE CUS. The SVOC benzo(a)pyrene was also detected above the non-residential MDE CUS in three (3) other soil samples Concentrations of TPH-DRO that exceeded the MDE CUS were identified in two (2) soil samples collected from one location downgradient from an abandoned heating oil UST. The MDE CUS for non-residential soils was exceeded for six specific metals; antimony, arsenic, chromium, manganese, thallium, and vanadium. For arsenic, the MDE Anticipated Typical Concentration (ATC) for eastern Maryland soils was used for comparison in place of the CUS because the ATC for arsenic is greater than the CUS. The MDE CUS were not exceeded for chlorinated herbicides or pesticides.

A total of seven (7) parameters were detected on site at concentrations exceeding the "Rule of 20" concentration that may imply hazardous characteristics, were the soil to be subjected to a TCLP test. The parameters include five (5) metals and two (2) VOCs. Some of the parameters that exceeded the "Rule of 20" screening value did not exceed their applicable MDE CUS for non-residential soil (e.g. cadmium, lead, and silver).

Groundwater Quality Conclusions

A total of six (6) groundwater samples plus one (1) duplicate (QA/QC) sample were collected and analyzed for a variety of analytical parameters including: VOCs, SVOCs, TPH-GRO/DRO, Priority Pollutant metals (dissolved), and chlorinated herbicides. Groundwater sampling results were compared to MDE Clean-up Standards (CUS) for Type I and II Aquifers.

The analysis of groundwater samples revealed the presence of concentrations of TCE, PCE, cis-1,2-dichloroethene, DCE, and/or vinyl chloride exceeding relevant MDE CUS in varying combinations in five (5) of the six (6) groundwater samples. One SVOC compound, 2-methylnaphthalene was detected in groundwater sample GW-13 at a concentration above the MDE CUS. TPH-GRO was detected above the MDE CUS in three (3) of the six groundwater samples. One of these samples also had a concentration of TPH-DRO above the MDE CUS. Dissolved concentrations of heavy metals exceeding MDE CUS for Type I and II Aquifers were found in five (5) of the six (6) groundwater samples collected as part of this investigation. The MDE CUS was exceeded for ten specific metals; antimony, aluminum, arsenic, cadmium, chromium, lead, manganese, nickel, thallium, and vanadium. No chlorinated herbicides were detected at concentrations that exceeded MDE CUS for Type I and II Aquifers.

Soil Vapor Quality Conclusions

A total of six (6) VOC analytes were detected at concentrations above the EPA Target Shallow Soil Gas Concentrations (screening value) in the collected soil gas samples. The analytes detected above the target concentrations included; PCE, TCE, cis-1, 2-dichloroethene, trans-1, 2-dichloroethene, chloroform, and vinyl chloride.

TCE was detected in each of the soil gas samples at concentrations exceeding the EPA Target Shallow Soil Gas Concentrations (0.41 ppbv). Three (3) of the four (4) samples had concentrations of TCE ranging from 2.6 ppbv to 10 ppbv. Sample SG-11 had a reported concentration of 2700 ppbv.

10.2 Recommendations

Based on the findings from this Phase II ESA, KCI recommends that a copy of this report be provided to the MDE VCP for review, along with the VCP application and the Phase I and Phase II ESA reports completed previously. KCI offers the following additional recommendations:

- The findings of this assessment have revealed elevated concentrations of seven (7) contaminants in surface and subsurface soils samples acquired throughout the site that appear sufficiently elevated to pose some risk of failing the Toxicity Characteristic. If this is the case, the soils would be considered a hazardous waste once excavated. To avoid and/or anticipate the need for hazardous waste disposal during construction, KCI recommends that additional samples of soil be acquired from locations along proposed excavations such as elevator shafts, utility trenches, building foundations, and/or stormwater management facilities prior to construction. These samples should be collected to represent all depths of soils that will be excavated, and then analyzed for selected analytes via the Toxicity Characteristic Leaching Procedure (TCLP). Based on the results, estimated quantities and costs for hazardous materials disposal may be developed. If advantageous, soil vapor extraction may be considered in selected locations in advance of excavation to reduce VOC concentrations and reduce toxicity.

- Two abandoned underground storage tanks (USTs) have been identified during this investigation. at 1501 Russell Street. During site redevelopment, KCI recommends that all USTs and any remaining product in the USTs, as well as associated contaminated soils (if present), be removed from the site and properly disposed of in accordance with applicable sections of COMAR 26.10.

11.0 LIMITATIONS, RESTRICTIONS, AND QUALIFICATIONS

11.1 Limitations

The conclusions and recommendations presented within this report are based upon a reasonable level of investigation within normal bounds and standards of professional practice for a site in this particular geographic and geologic setting. All observations, conclusions, and recommendations pertaining to environmental conditions at the subject site are necessarily limited to conditions observed, and or materials reviewed at the time this study was undertaken. No other warranty, expressed or implied, is made with regard to the conclusions and recommendations presented within this report.

11.2 Restrictions

This Phase II Environmental Site Assessment was performed to identify and characterize the potential areas of environmental concern. KCI will not be held liable for the discovery or elimination of hazards encountered that may potentially cause damage, accidents or injuries. The recommendations rendered from work performed in no way eliminate hazards or the owner's obligation to federal, state, or local laws. The property owner is solely responsible for notifying the proper authorities of any conditions, which violate current laws and regulations.

Data and information regarding current site conditions and operations have been provided to KCI in part by the client and other sources. As is customary, we have assumed these data and information to be complete and factually correct. The conclusions rendered from these data and information are subject to professional opinion, and thus could result in differing interpretations.

Additionally, the conclusions rendered from this work are based on qualitative and quantitative information gathered on or near the date of this report. This work has been performed in accordance with generally accepted engineering practices. No other warranty, expressed or implied, is made. Changes as to the content or form of this report may be made only with KCI's expressed written approval.

11.3 Qualifications

KCI has employed certain investigative and research procedures during the course of this assessment, and it should be understood that such procedures indicate actual conditions only at the location investigated and that, as is customary, we have made certain inferences based on the results of our assignment.

References Cited

KCI, 2007. Phase I Environmental Site Assessment for Gateway South Redevelopment Properties, 12 Parcels in Eastern Carroll-Camden Industrial Area (May 7, 2007.)

KCI, 2008a, Phase II Environmental Site Assessment for Gateway South Redevelopment Properties, 12 Parcels in Eastern Carroll-Camden Industrial Area (January 25, 2008).

KCI, 2008b, Phase II Environmental Site Assessment sampling and Analysis Plan Supplement, Gateway South Redevelopment Project, Maryland Chemical Parcels, 1501, 1525, and 1551 Russell Street (December 22, 2008).

KCI, 2009a, Phase I Environmental Site Assessment Update for Gateway South Redevelopment Properties, 12 Parcels in Eastern Carroll-Camden Industrial Area (April 27, 2009).

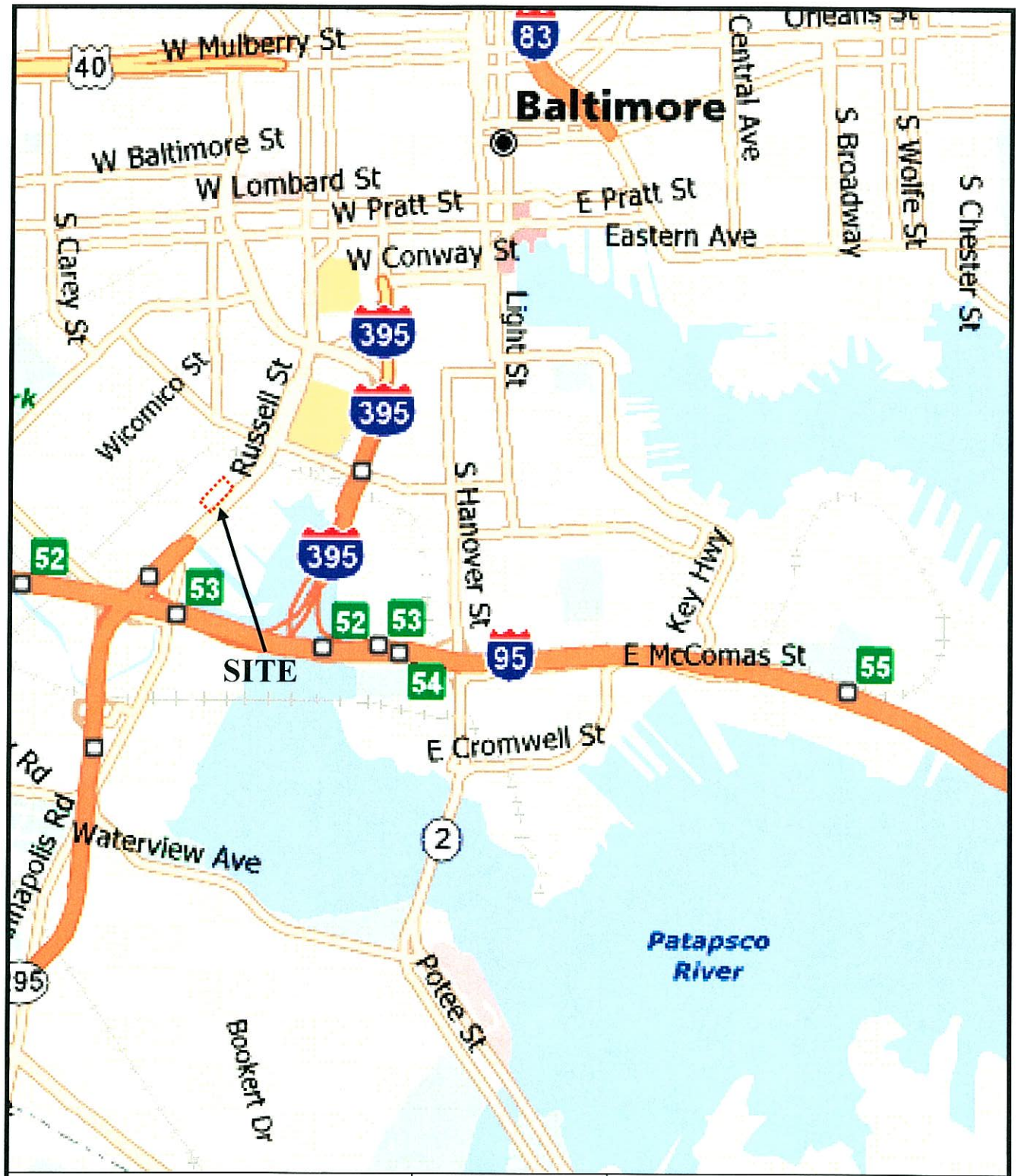
KCI, 2009b, Phase II Environmental Site Assessment for Gateway South Redevelopment Properties, Warner Street Inc. Properties (April 29, 2009).

MDE, 2008. State of Maryland, Department of the Environment, Cleanup Standards for Soil and Groundwater, June 2008, Interim Final Guidance (Update no. 2.1)

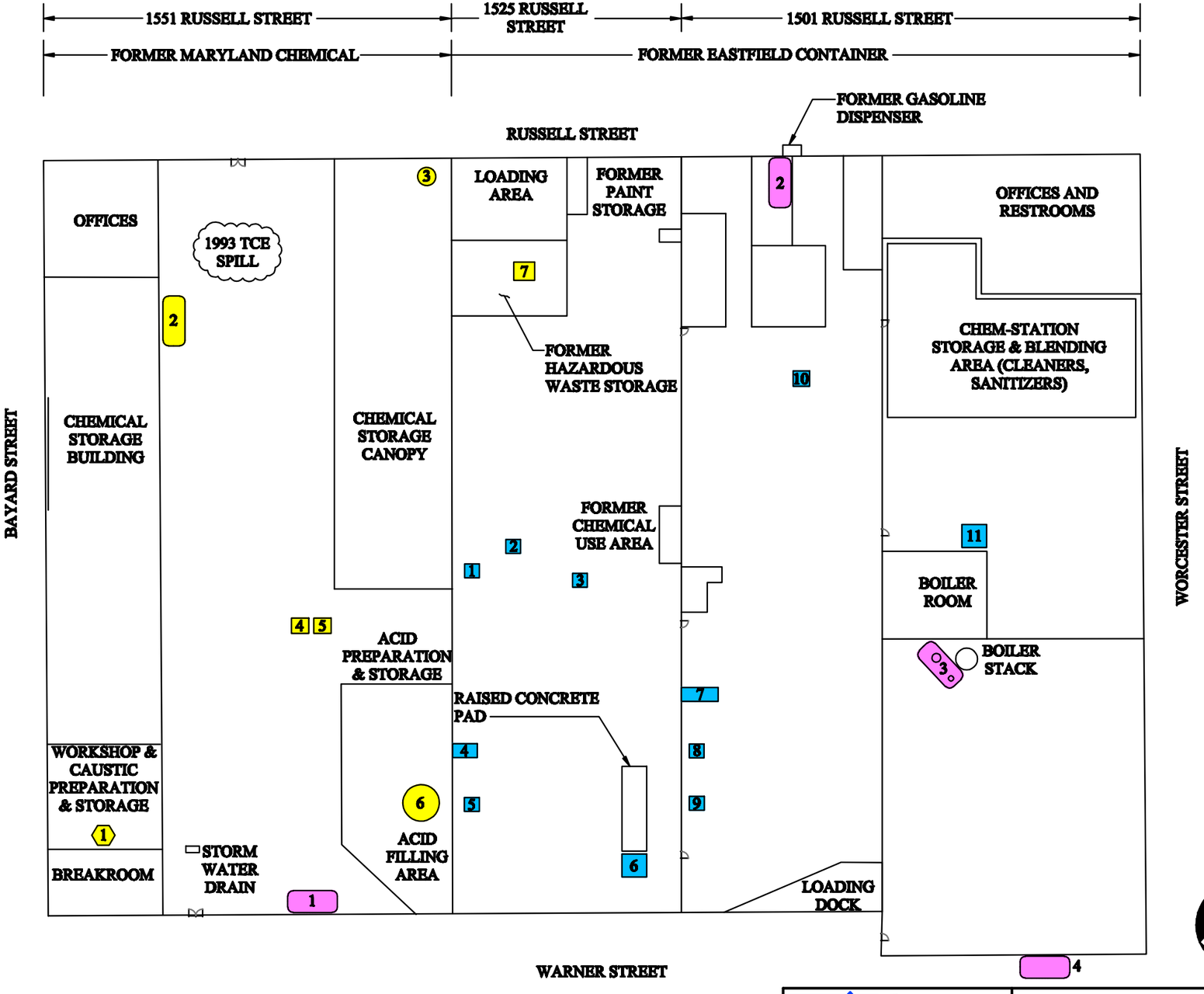
MGS, 1968, Geologic Map of Maryland.

Appendix A

Figures



Phase II Environmental Site Assessment **Former Maryland Chemical Properties** Gateway South Redevelopment Properties Baltimore, Maryland 21230	NORTH NTS (Site boundaries are approximate.)	**Figure 1 - Site Location Map** KCI Project 01-05437013 April 2009



ABOVE-GROUND STORAGE TANKS

NUMBER	STATUS
1	FORMER CAUSTIC
2	FORMER DIESEL FUEL
3	EX. SODIUM HYPOCHLORITE 4,750 GAL.
4	EX. 5,000 GAL. HCL
5	FORMER HFL
6	FORMER ACID
7	EX. 10,000 GAL. WAX

UNDERGROUND STORAGE TANKS

1	TWO FORMER PETROLEUM
2	FORMER GASOLINE
3	FILL PORT AND MANHOLE
4	SUSPECTED ABANDONED UST

PITS

NOTES

1. OPERATIONS AND CHEMICAL STORAGE AREAS ADAPTED FROM DATANET ENGINEERING, INC. (1998A, 1998B, AND 2000)
2. EXISTING TANKS AS OF SEPTEMBER 18, 2008

KCI TECHNOLOGIES

DATE: MAY 2009
SCALE: AS SHOWN
DRAWN BY: J.F.W.
CHECKED BY: J.D.G.

OPERATIONS AND CHEMICAL STORAGE AREAS

FORMER MARYLAND CHEMICAL CORP. PROPERTIES
1501, 1525, AND 1551 RUSSELL STREET
BALTIMORE, MD

FIGURE 2

May 01, 2009 – 3:08pm User: jordan.wolfe
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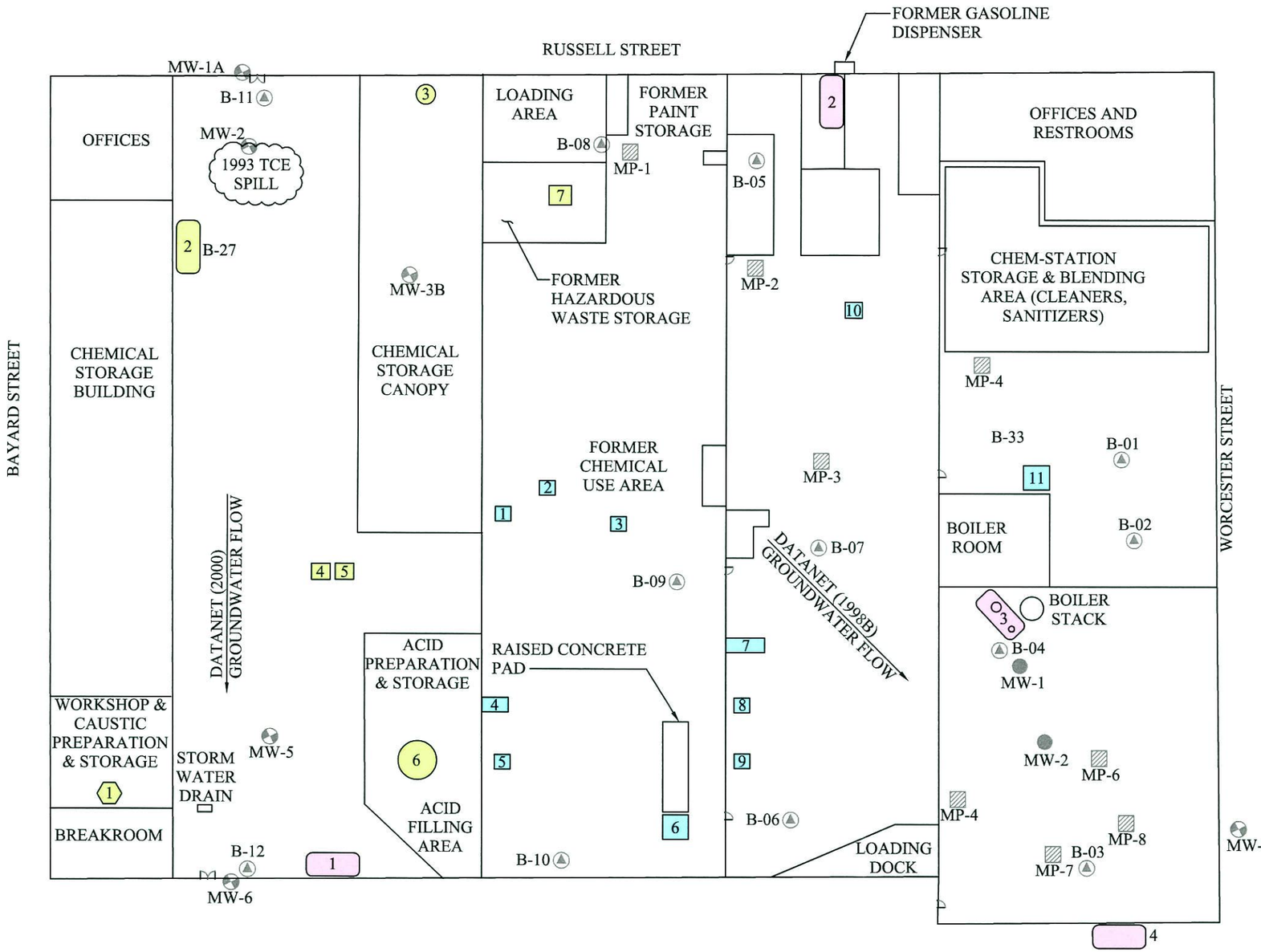

LEGEND

- MW-0 EX. 2" OR 4" MONITORING WELL
- MW-0 ABANDONED 1" MONITORING WELL
- MP-0 ABANDONED 1/2" MONITORING WELL
- B-0 ABANDONED 1998-ERA GEOPROBE BORING
- ABOVE-GROUND STORAGE TANKS
- UNDERGROUND STORAGE TANKS
- PITS

NOTES

1. HISTORIC SAMPLING LOCATIONS ADAPTED FROM DATANET ENGINEERING, INC. (1998A, 1998B, AND 2000)

KCI TECHNOLOGIES
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PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS
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HUNT VALLEY, MD 21030
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FAX: (410) 316-7817
www.kci.com

DATE: MAY 2009
SCALE: AS SHOWN
DRAWN BY: J.F.W.
CHECKED BY: J.D.G.

HISTORIC SAMPLING LOCATIONS

FORMER MARYLAND CHEMICAL CORP. PROPERTIES
1501, 1525, AND 1551 RUSSELL STREET
BALTIMORE, MD

FIGURE 3

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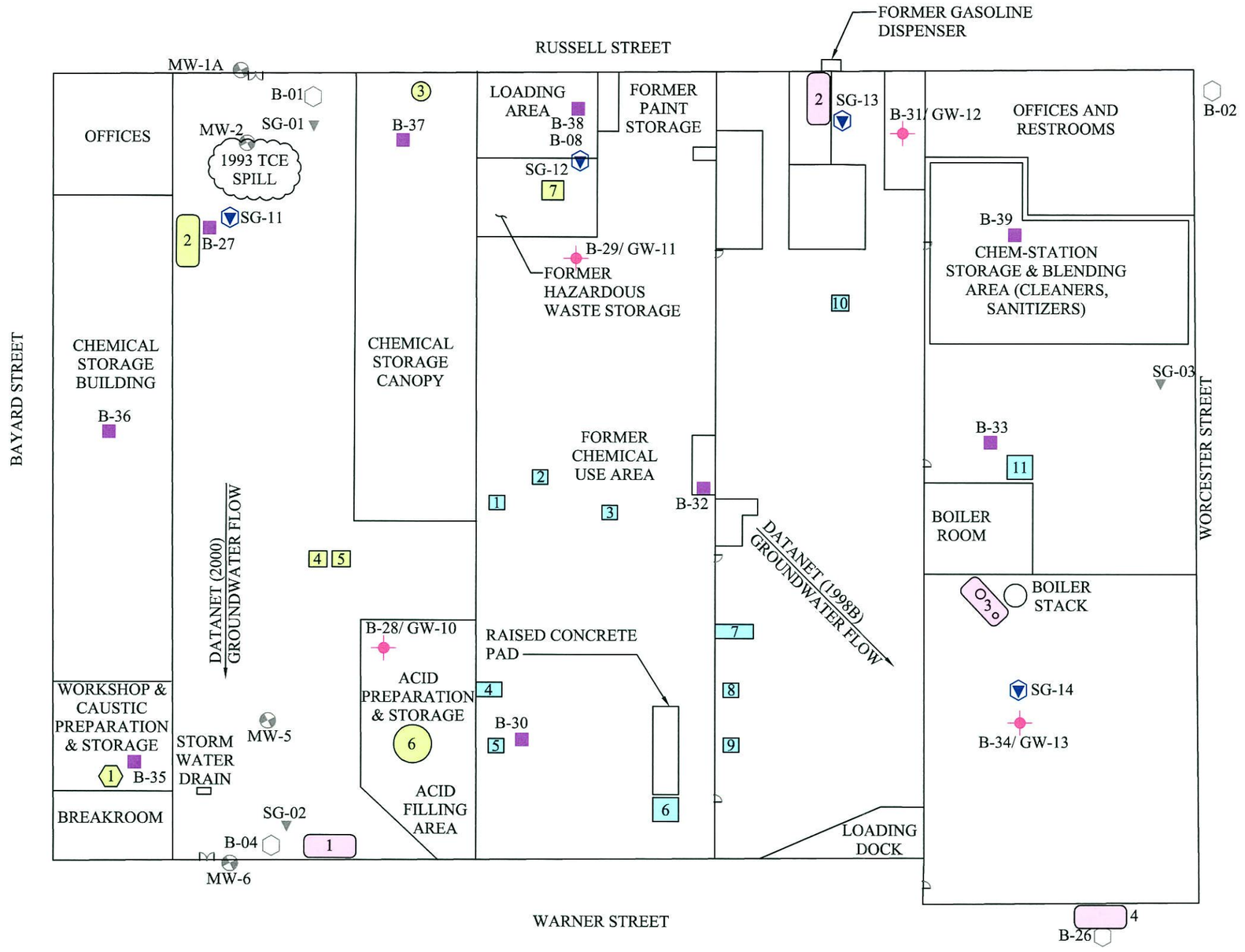

LEGEND

- MW-0 EX. 2" MONITORING WELL
- SG-0 KCI 2007 SOIL VAPOR LOCATION
- B-0 KCI 2007 GEOPROBE LOCATION
- B-0 2009 GEOPROBE LOCATION - SOILS ONLY
- B-0 2009 GEOPROBE LOCATION - SOILS AND GROUNDWATER
- SG-0 2009 SOIL VAPOR LOCATION
- ABOVE-GROUND STORAGE TANKS
- UNDERGROUND STORAGE TANKS
- PITS

NOTES

1. HISTORIC SAMPLING LOCATIONS ADAPTED FROM DATANET ENGINEERING, INC. (1998A, 1998B, AND 2000)
2. BUILDING LIMITS, MONITORING WELL LOCATIONS, AND GEOPROBE SOIL AND GROUND WATER LOCATIONS SURVEYED BY KCI, 2009.

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DATE: MAY 2009
SCALE: AS SHOWN
DRAWN BY: J.F.W.
CHECKED BY: J.D.G.

KCI 2007-2009 SAMPLING LOCATIONS

FORMER MARYLAND CHEMICAL CORP. PROPERTIES
1501, 1525, AND 1551 RUSSELL STREET
BALTIMORE, MD

FIGURE 4

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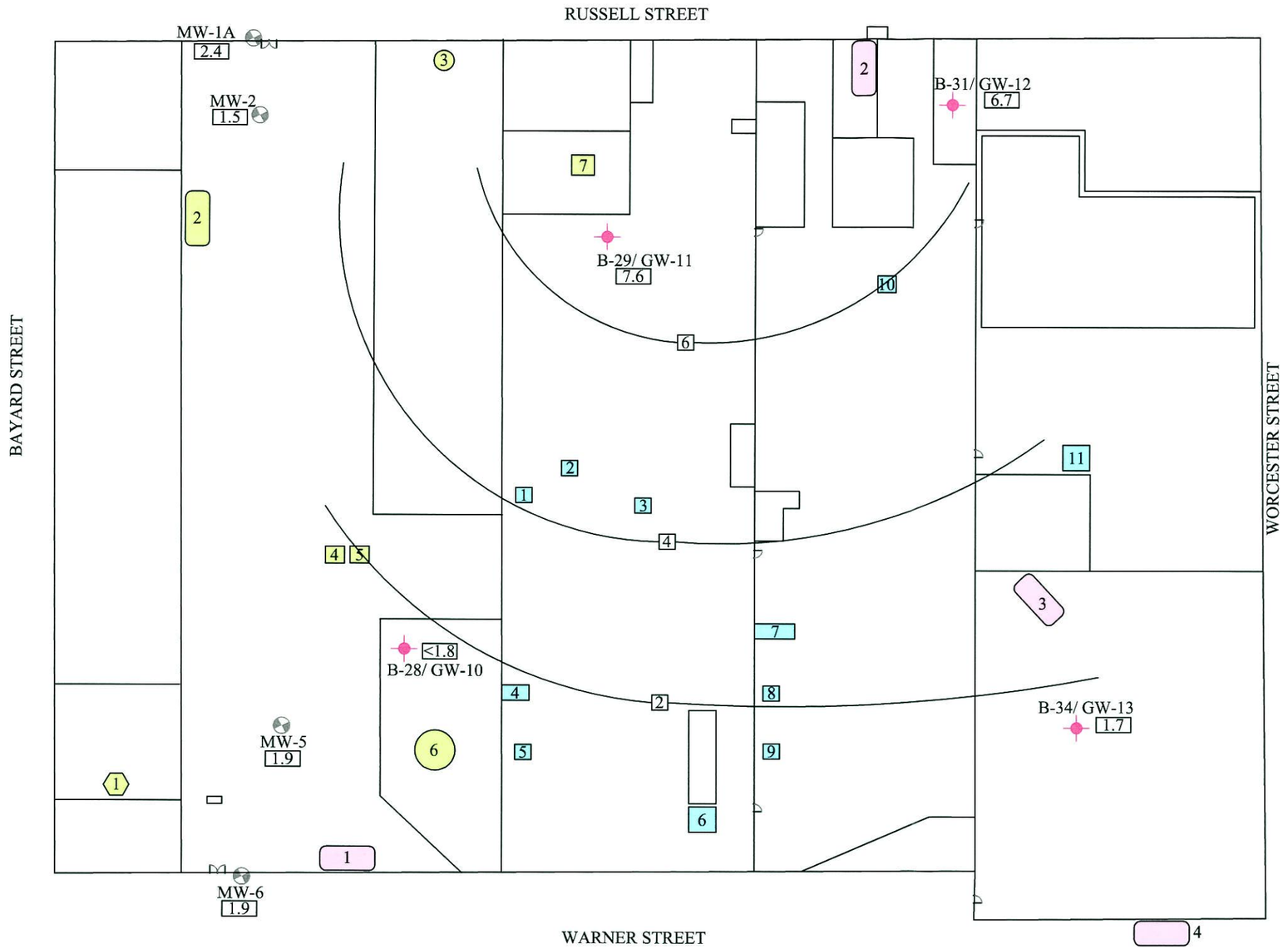

LEGEND

- MW-0 EX. 2" MONITORING WELL
- B-0 2009 GEOPROBE LOCATION - SOILS AND GROUNDWATER
- 1.7 MEASURED GROUNDWATER ELEVATION IN FEET
- 4 INTERPRETED GROUNDWATER ELEVATION CONTOUR IN FEET
- ABOVE-GROUND STORAGE TANKS
- UNDERGROUND STORAGE TANKS
- PITS

NOTES

1. HISTORIC SAMPLING LOCATIONS ADAPTED FROM DATANET ENGINEERING, INC. (1998A, 1998B, AND 2000)
2. BUILDING LIMITS, MONITORING WELL LOCATIONS, AND GEOPROBE SOIL AND GROUND WATER LOCATIONS SURVEYED BY KCI, 2009.
3. ELEVATIONS SHOWN HEREON ARE IN BALTIMORE CITY SURVEY CONTROL SYSTEM.

100' 75' 50' 25' 0 50'

SCALE: 1"=50'-0"

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DATE: MAY 2009
SCALE: AS SHOWN
DRAWN BY: J.F.W.
CHECKED BY: J.D.G.

GROUND WATER CONTOUR MAP, 02/19/2009

FORMER MARYLAND CHEMICAL CORP. PROPERTIES
1501, 1525, AND 1551 RUSSELL STREET
BALTIMORE, MD

FIGURE
5

May 0 09 - 2:40pm User: jordan.wolfe
M:\20 1054370.13\Drawings\Warner Street5.dwg

Appendix B

Boring Logs

BORING LOG

PROJECT: 3219-03-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-27
		Date Sampled: 2/4/08
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ® 54LT

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	0	None			Sampling time 11:20-11:25am
	1	Gray moist sandy organic soil Gray and brown moist sandy silty clay with pebbles		1.0	
	2	Gray and brown moist sandy silty clay with pebbles	75%		
	3	Stained gray moist clay		4.5	Faint odor @ 3'
	4	None			Sampling time 11:30-11:35am
	5	Gray wet silty clay		0.0	Water @ 5'
	6	Gray wet silty clay	75%		
	7	Gray wet silty clay		0.0	
	8	END OF BORING			
	9				
	10				
	11				
	12				

BORING LOG

PROJECT: 3219-03-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-28
		Date Sampled: 2/4/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ® 54LT

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	0	None	55%	0.0	Sampling time 12:10-12:15pm
	1	None			
	2	Tan moist sand with pebbles		0.0	
	3	Tan moist sand with pebbles Tan moist silty clay			
	4	None	75%	3.2	Sampling time 12:17-12:22pm
	5	Tan moist sandy clay Stained gray wet sandy clay			Faint odor @ 5'
	6	Stained gray wet sandy clay		12.8	Faint odor @ 6'
	7	Stained gray moist clay			Faint odor @ 7'
	8	Dark brown moist silty clay	80%	5.7	Sampling time 12:30-12:35pm
	9	Tan wet sandy clay Brown and gray wet clay			
	10	Tan moist clay		7.2	
	11	Tan moist clay			
	12	Tan moist sandy silty clay			

BORING LOG

PROJECT: 3219-03-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-28
		Date Sampled: 2/4/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ®

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	13	Brown and gray wet clayee sand			Sampling time 12:40-12:45pm
	14	Tan moist clayee sand		48.7	
	15	Tan wet clayee sand	100%		Water @ 15'
	16	Tan wet clayee sand		13.0	
	17	END OF BORING			

BORING LOG

PROJECT: 3219-03-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-29
		Date Sampled: 2/4/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ® 54LT

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	0	None			Sampling time 2:15-2:20pm
	1	None		N/A	
	2	Tan moist sandy clay	50.0%		
		Stained gray and black moist sandy clay with pebbles			Faint odor @ 2'
	3	Stained gray and black moist sandy clay with pebbles		47.2	Faint odor @ 3'
	4	Stained gray moist sandy clay			Sampling time 2:30-2:35pm
					Faint odor @ 4'
	5	Tan moist sand with pebbles		21.5	
		White moist sand			
	6	Red moist sand	100.0%		
		Tan moist sandy clay			
	7	Tan moist silty clay		870.0	
	8	Tan moist silty clay			Sampling time 3:00-3:05pm
	9	Tan wet sand		3905.0	
	10	Tan wet sand	90%		
	11	Tan wet sand		229.0	
	12	Tan wet sand			

BORING LOG

PROJECT: 3219-03-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-29
		Date Sampled: 2/4/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ®

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	13	Tan wet sandy clay			Sampling time 3.15-3.20pm
	14	Tan wet sandy clay		98.5	Water @ 13'
	15	Tan wet sandy clay	60%		
	16	Tan wet sandy clay		348.0	
	17	END OF BORING			

BORING LOG

PROJECT: 3219-03-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-30
		Date Sampled: 2/4/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ® 54LT

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	0	White and tan moist sandy clay			Sampling time 1:15-1:20pm
	1	Stained gray moist sandy silty clay		0.0	
	2	Stained gray moist sandy silty clay	85.0%		
	3	Stained gray moist sandy silty clay White moist sand		0.0	
	4	Red gray moist sandy clay			Sampling time 1:20-1:25pm
	5	Black moist organic soil with brick mixed in		0.0	
	6	Tan wet sand	85.0%		
	7	Gray and tan wet clay		0.0	
	8	Tan wet sandy clay			Sampling time 1:34-1:39pm Water @ 8'
	9	Tan wet sandy clay Gray wet sandy clay		3.3	
	10	Gray wet sandy clay	95%		
	11	Tan moist silty clay with white moist modled clay		0.0	
	12	Tan moist silty clay with white moist modled clay			
		END OF BORING			

BORING LOG

PROJECT: 3219-02-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-31
		Date Sampled: 2/12/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ® 54LT

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	0	None			No soil was recovered from 0-4ft. Original geoprobing hit refusal immediately so additional corring was nessisary to break through barrier. Durring coring much of the top 4ft of soil was removed.
	1	None			
	2	None	N/A	N/A	
	3	None			
	4	Tan and gray moist silty clay			Sampling time 12:15-12:20pm
	5	Tan and red moist silty clay		1.0	
	6	Tan and red wet sandy clay with gravel	100.0%		Water @ 6'
	7	Tan and red wet sandy clay with gravel		2.2	
	8	Tan wet sandy clay with gravel			Sampling time 12:34-12:39pm
	9	Tan wet silty clay		2.0	
	10	Gray wet silty clay	100%		Faint odor @ 10'
	11	Gray wet silty clay		2.2	Faint odor @ 11'
	12	Tan wet silty clay			

BORING LOG

PROJECT: 3219-02-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-31
		Date Sampled: 2/12/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ®

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	13	Tan moist silty clay	100.0%	0.7	Sampling time 12:55-1:00pm
	14	Gray wet sandy clay			Faint odor @ 14'
	15	Gray wet sandy clay		1.5	Faint odor @ 15'
	16	Gray wet sandy clay			Faint odor @ 16'
	17	END OF BORING			

BORING LOG

PROJECT: 3219-03-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-32
		Date Sampled: 2/4/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ® 54LT

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	0	None			Sampling time 4:30-4:35pm
	1	None		0.0	
	2	Tan moist sand	30.0%		
	3	Brown and gray moist sandy clay		0.0	
	4	None			Sampling time 4:43-4:48pm
	5	Brown and gray moist sandy clay		0.0	
	6	None	20.0%		Refusal @ 6'
	7	None		0.0	
	8	END OF BORING			
	9				
	10				
	11				
	12				

BORING LOG

PROJECT: 3219-03-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-33
		Date Sampled: 2/4/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ® 54LT

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	0	Red moist sandy clay			Sampling time 5:00-5:05pm
	1	Red moist sandy clay		0.0	
	2	Red moist sandy clay	50.0%		
	3	Red moist sandy clay		0.0	
	4	END OF BORING			
		None			Initial Refusal @ 4' - Rock drilling was utilized to break through barrier on 2-11-09. GeoProbe continued on 2-12-09
	5	None		N/A	Sampling time 11:25-11:30am
	6	Brown moist sandy silty clay	50.0%		
	7	Tan moist sandy silty clay with gravel		0.9	
	8	END OF BORING			Refusal @ 8'
	9				
	10				
	11				
	12				

BORING LOG

PROJECT: 3219-02-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-34
		Date Sampled: 2/12/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ® 54LT

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	0	None	N/A	N/A	No soil was recovered from 0-4ft. Original geoprobing hit refusal immediately so additional corring was necessary to break through barrier. Durring coring much of the top 4ft of soil was removed.
	1	None			
	2	None			
	3	None			
	4	Tan moist silty sandy clay	30.0%	3.6	Sampling time 10:18-10:23am
	5	Tan moist silty sandy clay			
	6	None		N/A	
	7	None			
	8	Gray and tan moist sandy silty clay	15%	40.2	Sampling time 10:24-10:29am Faint odor @ 8'
	9	None			
	10	None		N/A	
	11	None			
	12	None			

BORING LOG

PROJECT: 3219-02-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-34
		Date Sampled: 2/12/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ®

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	13	Gray and tan moist sandy silty clay			Sampling time 10:40-10:45am Faint odor @ 13'
	14	Gray moist sandy silty clay		8.9	Faint odor @ 14'
	15	Gray moist sandy silty clay	100.0%		Faint odor @ 15'
	16	Gray moist sandy silty clay Tan moist sandy silty clay		170.0	Faint odor @ 16'
	17	Tan wet sandy silty clay			Sampling time 10:55-11:00am Water @ 17'
	18	Tan wet sandy silty clay		9.8	
	19	Gray wet sandy silty clay	100.0%		Faint odor @ 19'
	20	Gray wet sandy silty clay		55.1	Faint odor @ 20'
	21	END OF BORING			

BORING LOG

PROJECT: 3219-03-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-35
		Date Sampled: 2/5/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ® 54LT

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	0	None			Sampling time 9:30-9:35am
	1	Black wet sandy clay with gravel		0.0	
	2	Black moist sandy clay	75.0%		
	3	Tan moist sandy clay		0.0	
	4	Tan moist sandy clay with gravel			Sampling time 9:37-9:42am
	5	Tan moist sandy clay with gravel		0.0	
	6	Stained gray sandy clay	95.0%		Faint odor @ 6'
	7	Stained gray sandy clay		3.9	Faint odor @ 7'
	8	None			Sampling time 9:50-9:55am
	9	Tan moist sandy clay with gravel		12.9	
	10	Tan moist sandy clay with gravel	75%		
	11	Tan moist sandy clay with gravel		2.2	
	12	Tan and stained gray moist sandy clay with gravel			Faint odor @ 12'
		END OF BORING			Refusal @ 13'

BORING LOG

PROJECT: 3219-02-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-36
		Date Sampled: 2/5/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ® 54LT

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	0	Tan moist clayee sand with gravel	90.0%	0.0	Sampling time 11:00-11:05am
	1	Tan moist clayee sand with gravel			
	2	Tan moist clayee sand with gravel			
	3	Stained gray moist silty sand with gravel		0.0	
	4	Stained gray moist sandy clay with gravel	75.0%		Sampling time 11:11-11:16am Faint odor @ 4'
	5	Stained gray moist sandy clay with gravel		0.0	Faint odor @ 5'
	6	Tan moist silty clay with gravel			
	7	Tan moist silty clay with gravel		0.0	
	8	Tan moist silty clay with gravel	5%		Sampling time 11:20-11:25am
	9	None		0.0	Refusal @ 9'
	10	None			
	11	None		N/A	
	12	None			
		END OF BORING			

BORING LOG

PROJECT: 3219-02-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-37
		Date Sampled: 2/4/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ® 54LT

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	0	None			Sampling time 10:40-10:45am
	1	Tan moist sand		0.0	
	2	Tan and gray moist sandy clay	75.0%		
	3	Stained gray moist clay with layers of white pebbles		0.0	Faint odor @ 3'
	4	Tan moist sandy clay			Sampling time 10:55-11:00am
	5	Tan moist sandy clay Stained gray moist clay		0.0	Faint odor @ 5'
	6	Tan moist silty clay	75.0%		
	7	Tan moist silty clay		0.0	
	8	None			Sampling time 11:00-11:05am
	9	Tan moist sandy clay		0.0	
	10	Tan moist silty clay	70%		
	11	Tan wet silty clay		0.0	Water @ 11'
	12	Tan wet silty clay			
		END OF BORING			

BORING LOG

PROJECT: 3219-02-000 KCI-BDC Maryland Chemical	PROPERTY ADDRESS: Maryland Chemical 1501 Russell Street, Baltimore, MD 21230	BORING ID: B-38
		Date Sampled: 2/4/09
Inspector: Chelsea France	DRILLER: Chesapeake Geoscience, Inc. /Allen	Equipment Used: GeoProbe ® 54LT

USCS LOGS	DEPTH (Ft)	Description of Materials Color, Moisture, Texture (i.e. Tan, Moist, sandy Clay)	Percent Recovery	DIRECT READING VOC	REMARKS
	0	None	50.0%	3.5	Sampling time 3:30-3:35pm
	1	None			
	2	Tan wet sand Stained gray wet sandy clay		8.1	
	3	Tan moist sandy clay			
	4	None	5.0%	N/A	Sampling time 3:42-3:47pm
	5	None			
	6	None		0.0	
	7	Tan wet sandy clay			
	8	None	95%	1633.0	Sampling time 3:50-3:55pm
	9	Tan wet clayee sand			Water @ 9'
	10	Tan wet clayee sand		9999.0	
	11	Tan wet clayee sand			
	12	Tan wet clayee sand			
		END OF BORING			

Appendix C

Water Level Information

Table C-1
Groundwater Elevations in Temporary and Permanent Wells, 2008- 2009
Phase II Environmental Site Assessment Report
Maryland Chemical Corporation

Well ID	Ground Surface Elevation (ft BCSCS)	PVC Casing Height (ft)	PVC Casing Elevation (ft BCSCS)	Reported Screen Depth (ft bgs)	Field Measured Depth (ft bgs)	9/18/2008		2/5/2009		2/13/2009		2/19/2009	
						Depth to Groundwater (feet)	Groundwater Elevation (ft BCSCS)	Depth to Groundwater (feet)	Groundwater Elevation (ft BCSCS)	Depth to Groundwater (feet)	Groundwater Elevation (ft BCSCS)	Depth to Groundwater (feet)	Groundwater Elevation (ft BCSCS)
MW-1A	9.14	-0.34	8.80	4.5-20	19.34	6.69	2.1			6.55	2.3	6.39	2.4
MW-2	9.20	-0.27	8.93	4.5-20	9.1	6.78	2.2					7.39	1.5
MW-3B	10.35	-0.51	9.84	4.5-20	Could not open well.								
MW-4	NA	NA	NA	4.5-20	Could not find well.								
MW-5	8.36	-0.48	7.88	4.5-20	18.78	5.94	1.9			6.05	1.8	5.96	1.9
MW-6	8.28	-0.36	7.92	4.2-19.2	7.15	5.94	2.0					5.99	1.9
MW-7	7.34	NA	NA	4-14	Well was not opened.								
B-28/GW-10	12.22	4.19	16.41	7-17				9.26	7.2			Dry	
B-29/GW-11	11.77	0.71	12.48	0-10	9.94			4.69	7.8			4.90	7.6
B-30	11.73	1.79	13.52	0-10	10.18					7.73	5.8		
B-31/GW-12	11.80	2.51	14.31	2-12	14.75					7.46	6.9	7.66	6.7
B-34/GW-13	11.61	1.37	12.98	9-19	20.05					11.14	1.8	11.26	1.7

ABBREVIATIONS
ft BCSCS = elevation in feet based on Baltimore City Survey Control System
ft bgs = feet below ground surface

NOTES
Ground elevations based on KCI survey information, February - March 2009.
PVC casing height of permanent M- series monitoring wells based on difference between ground elevation and casing elevation in Table 1 of Datanet (2000).
PVC casing height of temporary B- series wells based on field measurements by KCI sampling personnel.
PVC casing elevations are calculated based on surveyed ground elevations and reported PVC casing height
Screen depths based on well logs for permanent M- series monitoring wells.
Groundwater elevation based on (PVC casing elevation - depth to groundwater), rounded to the nearest tenth.

Appendix D-1

Laboratory Certificates of Analysis and Chain-of-Custody Documentation

Microbac Laboratories, Inc.
Baltimore Division
2101 Van Deman Street • Baltimore, MD 21224

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COVER LETTER

Dennis Coyle
KCI Technologies
936 Ridgebrook Road
Sparks, MD 21152

RE: Gateway South

March 20, 2009
Report No.: 09B0125

The report of analyses contains test results for samples received at Microbac Laboratories, Inc., Baltimore Division on 02/19/2009 16:00.

The enclosed results were obtained from and applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report has been reviewed and meet the applicable project and certification specific requirements, unless otherwise noted.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories, Inc.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

This Data Package contains the following:

- This Cover Page
- Sample Summary
- Test Results
- Notes and Definitions
- Cooler Receipt Log
- Chain of Custody

Lisa Grant

Final report reviewed by: Lisa M. Grant/Project Manager — 3/17/2009 Report issue date

All samples received in proper condition and results conform to ISO 17025 standards unless otherwise noted.

If we have not met or exceeded your expectations, please contact the Director or Trevor Boyce, President at tboyce@microbac.com or Robert Morgan, Chief Operation Officer, at rmorgan@microbac.com.

Microbac Laboratories, Inc.
Baltimore Division
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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SAMPLE SUMMARY

Sample ID	Laboratory ID	Matrix	Type	Date Sampled	Date Received
GW-10	09B0125-01	Ground Water	Grab	02/05/2009 13:30	02/19/2009 16:00
GW-11	09B0125-02	Ground Water	Grab	02/05/2009 14:50	02/19/2009 16:00
SS-27	09B0125-03	Soil	Composite	02/04/2009 11:45	02/19/2009 16:00
SB-27	09B0125-04	Soil	Composite	02/04/2009 11:45	02/19/2009 16:00
SS-28	09B0125-05	Soil	Composite	02/04/2009 12:15	02/19/2009 16:00
SB-28	09B0125-06	Soil	Composite	02/04/2009 12:15	02/19/2009 16:00
SB-28-2	09B0125-07	Soil	Composite	02/04/2009 12:30	02/19/2009 16:00
SS-29	09B0125-08	Soil	Composite	02/04/2009 14:55	02/19/2009 16:00
SB-29	09B0125-09	Soil	Composite	02/04/2009 15:15	02/19/2009 16:00
SS-30	09B0125-10	Soil	Composite	02/04/2009 13:40	02/19/2009 16:00
SB-30	09B0125-11	Soil	Composite	02/04/2009 14:10	02/19/2009 16:00
SS-32	09B0125-12	Soil	Composite	02/04/2009 16:55	02/19/2009 16:00
SS-35	09B0125-13	Soil	Composite	02/05/2009 10:10	02/19/2009 16:00
SB-35	09B0125-14	Soil	Composite	02/05/2009 10:55	02/19/2009 16:00
SS-36	09B0125-15	Soil	Composite	02/05/2009 11:40	02/19/2009 16:00
SB-36	09B0125-16	Soil	Composite	02/05/2009 11:55	02/19/2009 16:00
SS-37	09B0125-17	Soil	Composite	02/04/2009 11:00	02/19/2009 16:00
SB-37	09B0125-18	Soil	Composite	02/04/2009 11:00	02/19/2009 16:00
SS-38	09B0125-19	Soil	Composite	02/04/2009 17:30	02/19/2009 16:00
SB-38	09B0125-20	Soil	Composite	02/04/2009 17:30	02/19/2009 16:00
SS-Dup02	09B0125-21	Soil	Composite	02/04/2009 00:00	02/19/2009 16:00
SS-Dup03	09B0125-22	Soil	Composite	02/05/2009 00:00	02/19/2009 16:00
Trip Blank-1	09B0125-23	Water	Trip Blank	02/02/2009 00:00	02/19/2009 16:00
Field Blank-1	09B0125-24	Water	Field Blank	02/04/2009 00:00	02/19/2009 16:00
Trip Blank-2	09B0125-25	Water	Trip Blank	02/02/2009 00:00	02/19/2009 16:00

Microbac Laboratories, Inc., Baltimore Division

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

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SAMPLE SUMMARY

Sample ID	Laboratory ID	Matrix	Type	Date Sampled	Date Received
Field Blank-2	09B0125-26	Water	Field Blank	02/05/2009 00:00	02/19/2009 16:00
SS-31	09B0125-27	Soil	Composite	02/12/2009 12:38	02/19/2009 16:00
SB-31	09B0125-28	Soil	Composite	02/12/2009 12:59	02/19/2009 16:00
SS-33	09B0125-29	Soil	Composite	02/04/2009 17:20	02/19/2009 16:00
SS-34	09B0125-30	Soil	Composite	02/12/2009 10:45	02/19/2009 16:00
SB-34	09B0125-31	Soil	Composite	02/12/2009 11:15	02/19/2009 16:00
SB-Dup 04	09B0125-32	Soil	Composite	02/12/2009 11:40	02/19/2009 16:00
Field Blank	09B0125-33	Water	Field Blank	02/13/2009 00:00	02/19/2009 16:00
Trip Blank	09B0125-34	Water	Field Blank	02/02/2009 00:00	02/19/2009 16:00
GW-12	09B0125-35	Ground Water	Grab	02/13/2009 10:35	02/19/2009 16:00
GW-13	09B0125-36	Ground Water	Grab	02/13/2009 11:20	02/19/2009 16:00
GW-Dup 02	09B0125-37	Ground Water	Grab	02/13/2009 00:00	02/19/2009 16:00
GW-MW5	09B0125-38	Ground Water	Grab	02/13/2009 12:30	02/19/2009 16:00
GW-MW1A	09B0125-39	Ground Water	Grab	02/13/2009 14:15	02/19/2009 16:00
GW-MS01	09B0125-40	Ground Water	Grab	02/13/2009 12:30	02/19/2009 16:00
SG-11	09B0125-41	Air	Composite	02/12/2009 00:00	02/19/2009 16:00
SG-12	09B0125-42	Air	Composite	02/12/2009 00:00	02/19/2009 16:00
SG-13	09B0125-43	Air	Composite	02/12/2009 00:00	02/19/2009 16:00
SG-14	09B0125-44	Air	Composite	02/12/2009 00:00	02/19/2009 16:00

Microbac Laboratories, Inc., Baltimore Division

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Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-10

09B0125-01 (Ground Water) Sampled: 02/05/2009 13:30; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Mercury, Dissolved by EPA 200 Series Methods								
Mercury	ND	0.00020	mg/L	021009 1359	021309 1034	HG	EPA 245.1	
Metals, Dissolved by EPA 200 Series Methods								
Silver	ND	0.0020	mg/L	021009 1124	021109 1557	PRM	EPA 200.8/6020	D
Aluminum	**0.51**	0.025	mg/L	021809 0817	021909 1343	APS	EPA 200.7/6010B	
Arsenic	ND	0.0050	mg/L	021009 1124	021109 1557	PRM	EPA 200.8/6020	D
Barium	**0.015**	0.0050	mg/L	021009 1124	021109 1557	PRM	EPA 200.8/6020	D
Beryllium	ND	0.0025	mg/L	021809 0817	021909 1343	APS	EPA 200.7/6010B	
Cadmium	**0.0033**	0.00050	mg/L	021009 1124	021109 1557	PRM	EPA 200.8/6020	
Chromium	**0.0036**	0.0025	mg/L	021009 1124	021109 1557	PRM	EPA 200.8/6020	D
Copper	**0.0066**	0.0020	mg/L	021009 1124	021109 1557	PRM	EPA 200.8/6020	D
Iron	**0.23**	0.0050	mg/L	021809 0817	021909 1343	APS	EPA 200.7/6010B	
Manganese	**1.9**	0.0050	mg/L	021009 1124	021109 1557	PRM	EPA 200.8/6020	D
Nickel	**0.018**	0.0050	mg/L	021009 1124	021109 1557	PRM	EPA 200.8/6020	D
Lead	ND	0.0020	mg/L	021009 1124	021109 1557	PRM	EPA 200.8/6020	D
Antimony	**0.0054**	0.0050	mg/L	021009 1124	021109 1557	PRM	EPA 200.8/6020	D
Selenium	ND	0.0050	mg/L	021009 1124	021109 1557	PRM	EPA 200.8/6020	D
Tin	ND	0.040	mg/L	021809 0817	021909 1343	APS	EPA 200.7/6010B	
Thallium	ND	0.0020	mg/L	021009 1124	021109 1557	PRM	EPA 200.8/6020	D
Vanadium	ND	0.0050	mg/L	021009 1124	021109 1557	PRM	EPA 200.8/6020	D
Zinc	**0.052**	0.020	mg/L	021009 1124	021109 1557	PRM	EPA 200.8/6020	D
Volatile Organic Compounds by EPA Method 8260B								
Chloromethane	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Vinyl chloride	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Bromomethane	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Chloroethane	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
1,1-Dichloroethene	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Acetone	ND	5.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-10

09B0125-01 (Ground Water) Sampled: 02/05/2009 13:30; Type: Grab

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Carbon disulfide	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Methylene Chloride	**1.0**	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	
Methyl-tert-Butyl Ether	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
trans-1,2-Dichloroethene	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
1,1-Dichloroethane	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
cis-1,2-Dichloroethene	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Chloroform	**1.9**	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	
1,1,1-Trichloroethane	**4.9**	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	
Carbon Tetrachloride	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Benzene	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
1,2-Dichloroethane	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Trichloroethene	**47**	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	
1,2-Dichloropropane	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Bromodichloromethane	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Methyl Isobutyl Ketone	ND	5.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
cis-1,3-Dichloropropene	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Toluene	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
trans-1,3-Dichloropropene	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
1,1,2-Trichloroethane	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
1,2-Dibromoethane	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Tetrachloroethene	**25**	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	
Dibromochloromethane	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Chlorobenzene	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Ethylbenzene	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
m,p-Xylenes	ND	2.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
o-Xylene	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Styrene	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Bromoform	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Isopropylbenzene (Cumene)	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-10

09B0125-01 (Ground Water) Sampled: 02/05/2009 13:30; Type: Grab

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Volatile Organic Compounds by EPA Method 8260B								
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Total Xylenes	ND	3.0	ug/L	021209 1523	021209 1523	EMG	EPA 8260B	U
Surrogate: Dibromofluoromethane		*97.5%*	*80-120*	*021209 1523*	*021209 1523*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*97.5%*	*80-120*	*021209 1523*	*021209 1523*		*EPA 8260B*	
Surrogate: Toluene-d8		*95.8%*	*75-120*	*021209 1523*	*021209 1523*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*93.4%*	*60-149*	*021209 1523*	*021209 1523*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Chloroethyl)ether	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Phenol	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
2-Chlorophenol	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
2-Methylphenol	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Hexachloroethane	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Nitrobenzene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Isophorone	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
1,2,4-Trichlorobenzene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Naphthalene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
4-Chloroaniline	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Hexachlorobutadiene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
2-Methylnaphthalene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-10

09B0125-01 (Ground Water) Sampled: 02/05/2009 13:30; Type: Grab

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
2,4,6-Trichlorophenol	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
2-Chloronaphthalene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Acenaphthylene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
2,6-Dinitrotoluene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Acenaphthene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	50	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Dibenzofuran	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
fluorene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Diethylphthalate	**23**	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	B
N-Nitrosodiphenylamine	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Hexachlorobenzene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Pentachlorophenol	ND	50	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Phenanthrene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Anthracene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Carbazole	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Di-n-butylphthalate	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Fluoranthene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Pyrene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	20	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Benz(a)anthracene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Chrysene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Benzo[k]fluoranthene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Benzo[a]pyrene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	10	ug/L	021209 1215	022609 1900	MST	EPA 8270C	U

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-10

09B0125-01 (Ground Water) Sampled: 02/05/2009 13:30; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Surrogate: 2-Fluorophenol		*28.4%*	*10-83*	*021209 1215*	*022609 1900*		*EPA 8270C*	
Surrogate: Phenol-d5		*20.8%*	*13-62*	*021209 1215*	*022609 1900*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*82.8%*	*40-140*	*021209 1215*	*022609 1900*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*85.6%*	*35-138*	*021209 1215*	*022609 1900*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*73.7%*	*24-142*	*021209 1215*	*022609 1900*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*78.3%*	*24-129*	*021209 1215*	*022609 1900*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	40	ug/L	021209 1538	021209 1538	EMG	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*94.8%*	*86-135*	*021209 1538*	*021209 1538*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	**45**	40	ug/L	021209 0900	021809 0908	MST	EPA 8015B	D
Surrogate: n-Pentacosane		*81.3%*	*51-133*	*021209 0900*	*021809 0908*		*EPA 8015B*	
Microbac, Chicagoland								
Herbicides								
Dalapon	0	200	µg/L	021109 1043	021709 1908	MLT	SW8151	
Dinoseb	0	7	µg/L	021109 1043	021709 1908	MLT	SW8151	
2,4,5-TP (Silvex)	**0.27**	50	µg/L	021109 1043	021709 1908	MLT	SW8151	
2,4-D	0	70	µg/L	021109 1043	021709 1908	MLT	SW8151	
Surrogate: Surr: DCAA		*0.7056%*	*10-82.9*	*021109 1043*	*021709 1908*		*SW8151*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-11

09B0125-02 (Ground Water) Sampled: 02/05/2009 14:50; Type: Grab

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Mercury, Dissolved by EPA 200 Series Methods								
Mercury	ND	0.00020	mg/L	021009 1359	021309 1047	HG	EPA 245.1	
Metals, Dissolved by EPA 200 Series Methods								
Silver	ND	0.0020	mg/L	021009 1124	021109 1612	PRM	EPA 200.8/6020	D
Aluminum	ND	0.025	mg/L	021809 0817	021909 1347	APS	EPA 200.7/6010B	
Arsenic	ND	0.0050	mg/L	021009 1124	021109 1612	PRM	EPA 200.8/6020	D
Barium	**0.029**	0.0050	mg/L	021009 1124	021109 1612	PRM	EPA 200.8/6020	D
Beryllium	ND	0.0025	mg/L	021809 0817	021909 1347	APS	EPA 200.7/6010B	
Cadmium	ND	0.00050	mg/L	021009 1124	021109 1612	PRM	EPA 200.8/6020	D
Chromium	ND	0.0025	mg/L	021009 1124	021109 1612	PRM	EPA 200.8/6020	D
Copper	ND	0.0020	mg/L	021009 1124	021109 1612	PRM	EPA 200.8/6020	D
Iron	**0.061**	0.0050	mg/L	021809 0817	021909 1347	APS	EPA 200.7/6010B	
Manganese	**3.7**	0.0050	mg/L	021009 1124	021109 1612	PRM	EPA 200.8/6020	D
Nickel	**0.013**	0.0050	mg/L	021009 1124	021109 1612	PRM	EPA 200.8/6020	D
Lead	ND	0.0020	mg/L	021009 1124	021109 1612	PRM	EPA 200.8/6020	D
Antimony	ND	0.0050	mg/L	021009 1124	021109 1612	PRM	EPA 200.8/6020	D
Selenium	**0.0060**	0.0050	mg/L	021009 1124	021109 1612	PRM	EPA 200.8/6020	D
Tin	ND	0.040	mg/L	021809 0817	021909 1347	APS	EPA 200.7/6010B	
Thallium	ND	0.0020	mg/L	021009 1124	021109 1612	PRM	EPA 200.8/6020	D
Vanadium	ND	0.0050	mg/L	021009 1124	021109 1612	PRM	EPA 200.8/6020	D
Zinc	ND	0.020	mg/L	021009 1124	021109 1612	PRM	EPA 200.8/6020	D
Volatile Organic Compounds by EPA Method 8260B								
Chloromethane	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Vinyl chloride	**17**	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	
Bromomethane	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Chloroethane	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
1,1-Dichloroethene	**5.3**	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	
Acetone	ND	5.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Carbon disulfide	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U

Microbac Laboratories, Inc., Baltimore Division

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Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-11

09B0125-02 (Ground Water) Sampled: 02/05/2009 14:50; Type: Grab

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Methylene Chloride	**0.47**	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	J
Methyl-tert-Butyl Ether	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
trans-1,2-Dichloroethene	**4.7**	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	
1,1-Dichloroethane	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
cis-1,2-Dichloroethene	**420**	50	ug/L	021209 1752	021209 1752	EMG	EPA 8260B	D
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Chloroform	**2.6**	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Carbon Tetrachloride	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	
Benzene	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
1,2-Dichloroethane	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Trichloroethene	**3800**	50	ug/L	021209 1752	021209 1752	EMG	EPA 8260B	D
1,2-Dichloropropane	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Bromodichloromethane	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Methyl Isobutyl Ketone	ND	5.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
cis-1,3-Dichloropropene	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Toluene	**0.43**	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	J
trans-1,3-Dichloropropene	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
1,1,2-Trichloroethane	**1.4**	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	
1,2-Dibromoethane	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Tetrachloroethene	**4.2**	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	
Dibromochloromethane	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Chlorobenzene	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Ethylbenzene	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
m,p-Xylenes	ND	2.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
o-Xylene	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Styrene	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Bromoform	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Isopropylbenzene (Cumene)	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U

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Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-11

09B0125-02 (Ground Water) Sampled: 02/05/2009 14:50; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Total Xylenes	ND	3.0	ug/L	021209 1604	021209 1604	EMG	EPA 8260B	U
Surrogate: Dibromofluoromethane		*96.1%*	*80-120*	*021209 1604*	*021209 1604*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*99.2%*	*80-120*	*021209 1604*	*021209 1604*		*EPA 8260B*	
Surrogate: Toluene-d8		*94.8%*	*75-120*	*021209 1604*	*021209 1604*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*93.0%*	*60-149*	*021209 1604*	*021209 1604*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
is(2-Chloroethyl)ether	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Phenol	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
2-Chlorophenol	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
2-Methylphenol	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Hexachloroethane	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Nitrobenzene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Isophorone	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
1,2,4-Trichlorobenzene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Naphthalene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
4-Chloroaniline	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Hexachlorobutadiene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
2-Methylnaphthalene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-11

09B0125-02 (Ground Water) Sampled: 02/05/2009 14:50; Type: Grab

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
2,4,5-Trichlorophenol	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
2-Chloronaphthalene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Acenaphthylene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
2,6-Dinitrotoluene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Acenaphthene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	50	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Dibenzofuran	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Fluorene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Diethylphthalate	**20**	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	
N-Nitrosodiphenylamine	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Hexachlorobenzene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Pentachlorophenol	ND	50	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Phenanthrene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Anthracene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Carbazole	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Di-n-butylphthalate	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Fluoranthene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Pyrene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	20	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Benz(a)anthracene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Chrysene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Benzo[k]fluoranthene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Benzo[a]pyrene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	10	ug/L	021209 1215	022609 1942	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*45.5%*	*10-83*	*021209 1215*	*022609 1942*		*EPA 8270C*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-11

09B0125-02 (Ground Water) Sampled: 02/05/2009 14:50; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Surrogate: Phenol-d5		*33.6%*	*13-62*	*021209 1215*	*022609 1942*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*84.4%*	*40-140*	*021209 1215*	*022609 1942*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*88.5%*	*35-138*	*021209 1215*	*022609 1942*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*94.9%*	*24-142*	*021209 1215*	*022609 1942*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*79.7%*	*24-129*	*021209 1215*	*022609 1942*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	**1000**	40	ug/L	021209 1631	021209 1631	EMG	EPA 8015B	
rogate: a,a,a-Trifluorotoluene		*114%*	*86-135*	*021209 1631*	*021209 1631*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	**65**	40	ug/L	021209 0900	021809 1100	MST	EPA 8015B	D
Surrogate: n-Pentacosane		*91.9%*	*51-133*	*021209 0900*	*021809 1100*		*EPA 8015B*	
Microbac, Chicagoland								
Herbicides								
Dalapon	0	200	µg/L	021109 1043	021709 2050	MLT	SW8151	
2,4-D	0	70	µg/L	021109 1043	021709 2050	MLT	SW8151	
Dinoseb	0	7	µg/L	021109 1043	021709 2050	MLT	SW8151	
2,4,5-TP (Silvex)	0	50	µg/L	021109 1043	021709 2050	MLT	SW8151	
Surrogate: Surr: DCAA		*1.407%*	*10-82.9*	*021109 1043*	*021709 2050*		*SW8151*	

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-27

09B0125-03 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Wet Chemistry								
% Solids	**84.59**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.25**	0.028	mg/kg dry	020909 0920	021009 1047	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021009 0824	021009 1724	PRM	EPA 6020	D
Aluminum	**9900**	12	mg/kg (dry)	021009 0824	021209 1426	APS	EPA 6010B	D
Arsenic	**49**	1.0	mg/kg (dry)	021009 0824	021009 1724	PRM	EPA 6020	
Barium	**120**	1.0	mg/kg (dry)	021009 0824	021009 1724	PRM	EPA 6020	
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1426	APS	EPA 6010B	D
Cadmium	**0.48**	0.010	mg/kg (dry)	021009 0824	021009 1724	PRM	EPA 6020	B2, D
Chromium	**41**	2.0	mg/kg (dry)	021009 0824	021009 1724	PRM	EPA 6020	D
Copper	**45**	1.0	mg/kg (dry)	021009 0824	021009 1724	PRM	EPA 6020	D
Iron	**22000**	10	mg/kg (dry)	021009 0824	021209 1426	APS	EPA 6010B	B2, D, B
Manganese	**390**	1.0	mg/kg (dry)	021009 0824	021009 1724	PRM	EPA 6020	D
Nickel	**21**	1.0	mg/kg (dry)	021009 0824	021009 1724	PRM	EPA 6020	D
Lead	**96**	1.0	mg/kg (dry)	021009 0824	021009 1724	PRM	EPA 6020	D
Antimony	**6.8**	2.0	mg/kg (dry)	021009 0824	021009 1724	PRM	EPA 6020	D
Selenium	**2.3**	1.0	mg/kg (dry)	021009 0824	021009 1724	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021009 0824	021209 1426	APS	EPA 6010B	B3, D
Thallium	ND	1.0	mg/kg (dry)	021009 0824	021009 1724	PRM	EPA 6020	D
Vanadium	**42**	1.0	mg/kg (dry)	021009 0824	021009 1724	PRM	EPA 6020	D
Zinc	**110**	10	mg/kg (dry)	021009 0824	021009 1724	PRM	EPA 6020	D

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-27

09B0125-03 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	5.9	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	5.9	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
Heptachlor	ND	5.9	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
Aldrin	ND	5.9	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
beta-BHC	ND	5.9	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
delta-BHC	ND	5.9	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	5.9	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	12	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
›,p'-DDE	ND	12	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
›ieldrin	ND	12	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
Endrin	ND	12	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
Endosulfan II	ND	35	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	35	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	35	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	35	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	35	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	59	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	35	ug/kg dry	021109 0800	021209 1902	MST	EPA 8081A/8082	U, D
Toxaphene	ND	350	ug/kg dry	021109 0800	021209 1934	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	120	ug/kg dry	021109 0800	021209 1934	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xylene		*75.1%*	*30-130*	*021109 0800*	*021209 1934*		*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl		*92.4%*	*30-130*	*021109 0800*	*021209 1934*		*EPA 8081A/8082*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-27

09B0125-03 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Vinyl chloride	ND	120	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Bromomethane	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Chloroethane	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Acetone	ND	2900	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Carbon disulfide	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Methylene Chloride	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
trans-1,2-Dichloroethene	**800**	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	
1,1-Dichloroethane	**2500**	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	D
cis-1,2-Dichloroethene	**4700**	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	D
Methyl Ethyl Ketone (2-Butanone)	ND	2900	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Chloroform	**670**	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	D
1,1,1-Trichloroethane	**470**	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	J, D
Carbon Tetrachloride	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Benzene	**49**	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	J, D
1,2-Dichloroethane	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Trichloroethene	**3900**	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	D
1,2-Dichloropropane	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	**1600**	2900	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	J, D
cis-1,3-Dichloropropene	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Toluene	**1100**	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	D
trans-1,3-Dichloropropene	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Tetrachloroethene	**5700**	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	D
Dibromochloromethane	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-27

09B0125-03 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chlorobenzene	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Ethylbenzene	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
m,p-Xylenes	**110**	1200	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	J, D
o-Xylene	**60**	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	J, D
Styrene	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Bromoform	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	580	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	U, D
Total Xylenes	**170**	1700	ug/kg dry	020409 1145	021109 2226	EMG	EPA 8260B	J, D
Surrogate: Dibromofluoromethane		*90.3%*	*80-120*	*020409 1145*	*021109 2226*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*88.6%*	*80-120*	*020409 1145*	*021109 2226*		*EPA 8260B*	
Surrogate: Toluene-d8		*98.3%*	*75-120*	*020409 1145*	*021109 2226*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*92.4%*	*60-149*	*020409 1145*	*021109 2226*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Phenol	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
2-Chlorophenol	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
2-Methylphenol	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Hexachloroethane	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Nitrobenzene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Isophorone	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-27

09B0125-03 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
2,4-Dimethylphenol	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
1,2,4-Trichlorobenzene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Naphthalene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
4-Chloroaniline	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Hexachlorobutadiene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
2-Methylnaphthalene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	
2-Chloronaphthalene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Acenaphthylene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
2,6-Dinitrotoluene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Acenaphthene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2000	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Dibenzofuran	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Fluorene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Diethylphthalate	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Hexachlorobenzene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Pentachlorophenol	ND	2000	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Phenanthrene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Anthracene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Carbazole	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Di-n-butylphthalate	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Fluoranthene	**630**	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	
Pyrene	**870**	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	
3,3'-Dichlorobenzidine	ND	790	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Benz(a)anthracene	**560**	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-27

09B0125-03 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Chrysene	**530**	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	
Bis(2-Ethylhexyl)phthalate	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Benzo[b]fluoranthene	**530**	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	
Benzo[k]fluoranthene	**430**	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	
Benzo[a]pyrene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	390	ug/kg dry	020909 0800	021909 2138	MST	EPA 8270C	U
rogate: 2-Fluorophenol		*91.7%*	*26-118*	*020909 0800*	*021909 2138*		*EPA 8270C*	
Surrogate: Phenol-d5		*99.6%*	*25-135*	*020909 0800*	*021909 2138*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*96.0%*	*41-135*	*020909 0800*	*021909 2138*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*91.9%*	*47-128*	*020909 0800*	*021909 2138*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*97.4%*	*28-130*	*020909 0800*	*021909 2138*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*156%*	*37-128*	*020909 0800*	*021909 2138*		*EPA 8270C*	*S2*
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	**7.3**	3.9	mg/kg	020409 1145	020909 1330	EMG	EPA 8015B	D
Surrogate: a,a,a-Trifluorotoluene		*86.1%*	*52.9-156*	*020409 1145*	*020909 1330*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	**48**	10	mg/kg	021209 0700	021709 1030	MST	EPA 8015B	
Surrogate: n-Pentacosane		*97.0%*	*73-125*	*021209 0700*	*021709 1030*		*EPA 8015B*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-27

09B0125-03 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	
Microbac, Chicagoland								
Herbicides								
2,4,5-TP (Silvex)	0	2000	µg/Kg	021209 0801	021709 2231	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021709 2231	MLT	SW8151	
Dinoseb	0	2000	µg/Kg	021209 0801	021709 2231	MLT	SW8151	
2,4-D	0	2000	µg/Kg	021209 0801	021709 2231	MLT	SW8151	
Surrogate: Surr: DCAA		*1.3797%*	*10-114*	*021209 0801*	*021709 2231*		*SW8151*	
Pesticides								
Alachlor	0	1000	µg/Kg	021809 0803	021809 2334	MLT	SW8081A	
Atrazine	0	1000	µg/Kg	021809 0803	021809 2334	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*0850850850851%*	*38.2-130*	*021809 0803*	*021809 2334*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*0750750750751%*	*38.1-158*	*021809 0803*	*021809 2334*		*SW8081A*	

Microbac Laboratories, Inc., Baltimore Division

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-27

09B0125-04 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**80.52**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.12**	0.031	mg/kg dry	020909 0920	021009 1049	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021009 0824	021009 1728	PRM	EPA 6020	D
Aluminum	**16000**	12	mg/kg (dry)	021009 0824	021209 1430	APS	EPA 6010B	D
rsenic	**24**	1.0	mg/kg (dry)	021009 0824	021009 1728	PRM	EPA 6020	D
Barium	**110**	1.0	mg/kg (dry)	021009 0824	021009 1728	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1430	APS	EPA 6010B	D
Cadmium	**0.45**	0.010	mg/kg (dry)	021009 0824	021009 1728	PRM	EPA 6020	B2, D
Chromium	**51**	2.0	mg/kg (dry)	021009 0824	021009 1728	PRM	EPA 6020	D
Copper	**54**	1.0	mg/kg (dry)	021009 0824	021009 1728	PRM	EPA 6020	D
Iron	**25000**	10	mg/kg (dry)	021009 0824	021209 1430	APS	EPA 6010B	B2, D, B
Manganese	**470**	1.0	mg/kg (dry)	021009 0824	021009 1728	PRM	EPA 6020	D
Nickel	**24**	1.0	mg/kg (dry)	021009 0824	021009 1728	PRM	EPA 6020	D
Lead	**180**	1.0	mg/kg (dry)	021009 0824	021009 1728	PRM	EPA 6020	D
Antimony	**2.4**	2.0	mg/kg (dry)	021009 0824	021009 1728	PRM	EPA 6020	D
Selenium	**1.1**	1.0	mg/kg (dry)	021009 0824	021009 1728	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021009 0824	021209 1430	APS	EPA 6010B	B3, D
Thallium	ND	1.0	mg/kg (dry)	021009 0824	021009 1728	PRM	EPA 6020	D
Vanadium	**63**	1.0	mg/kg (dry)	021009 0824	021009 1728	PRM	EPA 6020	D
Zinc	**150**	10	mg/kg (dry)	021009 0824	021009 1728	PRM	EPA 6020	D

Microbac Laboratories, Inc., Baltimore Division

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SB-27

09B0125-04 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Vinyl chloride	ND	110	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Bromomethane	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Chloroethane	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Acetone	ND	2700	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Carbon disulfide	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Methylene Chloride	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U
trans-1,2-Dichloroethene	**83**	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	
1,1-Dichloroethane	**170**	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	J, D
cis-1,2-Dichloroethene	**450**	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	J, D
Methyl Ethyl Ketone (2-Butanone)	ND	2700	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Chloroform	**89**	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	J, D
1,1,1-Trichloroethane	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Benzene	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Trichloroethene	**390**	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	J, D
1,2-Dichloropropane	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2700	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Toluene	**190**	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	J, D
trans-1,3-Dichloropropene	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Tetrachloroethene	**600**	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	D
Dibromochloromethane	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Chlorobenzene	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-27

09B0125-04 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Ethylbenzene	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
m,p-Xylenes	ND	1100	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
o-Xylene	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Styrene	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Bromoform	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	540	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
Total Xylenes	ND	1600	ug/kg dry	020409 1145	021109 2303	EMG	EPA 8260B	U, D
rrogate: Dibromofluoromethane		*94.8%*	*80-120*	*020409 1145*	*021109 2303*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*93.4%*	*80-120*	*020409 1145*	*021109 2303*		*EPA 8260B*	
Surrogate: Toluene-d8		*99.2%*	*75-120*	*020409 1145*	*021109 2303*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*92.8%*	*60-149*	*020409 1145*	*021109 2303*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Phenol	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
2-Chlorophenol	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
2-Methylphenol	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Hexachloroethane	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Nitrobenzene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Isophorone	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-27

09B0125-04 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Naphthalene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
4-Chloroaniline	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Hexachlorobutadiene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
2-Methylnaphthalene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
2-Chloronaphthalene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Acenaphthylene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	
2,6-Dinitrotoluene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Acenaphthene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2100	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Dibenzofuran	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Fluorene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Diethylphthalate	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Hexachlorobenzene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Pentachlorophenol	ND	2100	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Phenanthrene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Anthracene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Carbazole	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Di-n-butylphthalate	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Fluoranthene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Pyrene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	830	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Benz(a)anthracene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Chrysene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U

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Lisa Grant

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-27

09B0125-04 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Benzo[a]pyrene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	410	ug/kg dry	020909 0800	020909 1854	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*92.0%*	*26-118*	*020909 0800*	*020909 1854*		*EPA 8270C*	
Surrogate: Phenol-d5		*102%*	*25-135*	*020909 0800*	*020909 1854*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*95.4%*	*41-135*	*020909 0800*	*020909 1854*		*EPA 8270C*	
rogate: 2-Fluorobiphenyl		*98.8%*	*47-128*	*020909 0800*	*020909 1854*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*101%*	*28-130*	*020909 0800*	*020909 1854*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*105%*	*37-128*	*020909 0800*	*020909 1854*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.5	mg/kg	020409 1145	020909 1403	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*81.3%*	*52.9-156*	*020409 1145*	*020909 1403*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	**15**	10	mg/kg	021209 0700	021709 1118	MST	EPA 8015B	
Surrogate: n-Pentacosane		*112%*	*73-125*	*021209 0700*	*021709 1118*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-27

09B0125-04 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
2,4-D	0	2000	µg/Kg	021209 0801	021709 2305	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021709 2305	MLT	SW8151	
Dinoseb	0	2000	µg/Kg	021209 0801	021709 2305	MLT	SW8151	
2,4,5-TP (Silvex)	0	2000	µg/Kg	021209 0801	021709 2305	MLT	SW8151	
Surrogate: Surr: DCAA		*0.7665%*	*10-114*	*021209 0801*	*021709 2305*		*SW8151*	
Pesticides								
Alachlor	0	1000	µg/Kg	021809 0803	021809 2358	MLT	SW8081A	
Atrazine	0	1000	µg/Kg	021809 0803	021809 2358	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*101101101101%*	*38.2-130*	*021809 0803*	*021809 2358*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*5105105105105%*	*38.1-158*	*021809 0803*	*021809 2358*		*SW8081A*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-28

09B0125-05 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**92.52**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.026	mg/kg dry	020909 0920	021009 1051	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021009 0824	021009 1731	PRM	EPA 6020	D
Aluminum	**8600**	12	mg/kg (dry)	021009 0824	021209 1451	APS	EPA 6010B	D
rsenic	**2.2**	0.99	mg/kg (dry)	021009 0824	021009 1731	PRM	EPA 6020	D
Barium	**30**	0.99	mg/kg (dry)	021009 0824	021009 1731	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1451	APS	EPA 6010B	D
Cadmium	**0.28**	0.0099	mg/kg (dry)	021009 0824	021009 1731	PRM	EPA 6020	B2, D
Chromium	**39**	2.0	mg/kg (dry)	021009 0824	021009 1731	PRM	EPA 6020	D
Copper	**16**	0.99	mg/kg (dry)	021009 0824	021009 1731	PRM	EPA 6020	D
Iron	**11000**	9.9	mg/kg (dry)	021009 0824	021209 1451	APS	EPA 6010B	B2, D, B
Manganese	**410**	0.99	mg/kg (dry)	021009 0824	021009 1731	PRM	EPA 6020	D
Nickel	**15**	0.99	mg/kg (dry)	021009 0824	021009 1731	PRM	EPA 6020	D
Lead	**20**	0.99	mg/kg (dry)	021009 0824	021009 1731	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	021009 0824	021009 1731	PRM	EPA 6020	D
Selenium	ND	0.99	mg/kg (dry)	021009 0824	021009 1731	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021009 0824	021209 1451	APS	EPA 6010B	B3, D
Thallium	ND	0.99	mg/kg (dry)	021009 0824	021009 1731	PRM	EPA 6020	D
Vanadium	**49**	0.99	mg/kg (dry)	021009 0824	021009 1731	PRM	EPA 6020	D
Zinc	**34**	9.9	mg/kg (dry)	021009 0824	021009 1731	PRM	EPA 6020	D

Microbac Laboratories, Inc., Baltimore Division

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
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SS-28

09B0125-05 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	5.4	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	5.4	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
Heptachlor	ND	5.4	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
Aldrin	ND	5.4	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
beta-BHC	ND	5.4	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
delta-BHC	ND	5.4	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	5.4	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	11	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
p,p'-DDE	ND	11	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
Dieldrin	ND	11	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	
Endrin	ND	11	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
Endosulfan II	ND	32	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	32	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	32	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	32	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	32	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	54	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	32	ug/kg dry	021109 0800	021209 2006	MST	EPA 8081A/8082	U, D
Toxaphene	ND	320	ug/kg dry	021109 0800	021209 2037	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	110	ug/kg dry	021109 0800	021209 2037	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xyelene		*37.0%*	*30-130*	*021109 0800*	*021209 2037*		*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl		*98.8%*	*30-130*	*021109 0800*	*021209 2037*		*EPA 8081A/8082*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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SS-28

09B0125-05 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Vinyl chloride	ND	110	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Bromomethane	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Chloroethane	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Acetone	ND	2700	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Carbon disulfide	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Methylene Chloride	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
trans-1,2-Dichloroethene	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
1,1-Dichloroethane	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2700	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Chloroform	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Benzene	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Trichloroethene	**150**	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	J, D
1,2-Dichloropropane	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2700	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Toluene	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Tetrachloroethene	**240**	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	J, D
Dibromochloromethane	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Chlorobenzene	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

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Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-28

09B0125-05 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
Ethylbenzene	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
m,p-Xylenes	ND	1100	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
o-Xylene	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Styrene	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Bromoform	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	540	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Total Xylenes	ND	1600	ug/kg dry	020409 1215	021109 2339	EMG	EPA 8260B	U, D
Surrogate: Dibromofluoromethane		*96.1%*	*80-120*	*020409 1215*	*021109 2339*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*91.3%*	*80-120*	*020409 1215*	*021109 2339*		*EPA 8260B*	
Surrogate: Toluene-d8		*98.1%*	*75-120*	*020409 1215*	*021109 2339*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*93.2%*	*60-149*	*020409 1215*	*021109 2339*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Chloroethyl)ether	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Phenol	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
2-Chlorophenol	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
2-Methylphenol	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Hexachloroethane	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Nitrobenzene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Isophorone	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-28

09B0125-05 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Naphthalene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
4-Chloroaniline	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Hexachlorobutadiene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
2-Methylnaphthalene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
2-Chloronaphthalene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Acenaphthylene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
2,6-Dinitrotoluene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Acenaphthene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	1800	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Dibenzofuran	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Fluorene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Diethylphthalate	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Hexachlorobenzene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Pentachlorophenol	ND	1800	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Phenanthrene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Anthracene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Carbazole	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Di-n-butylphthalate	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Fluoranthene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Pyrene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	720	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Benz(a)anthracene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Chrysene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U

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Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-28

09B0125-05 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Benzo[a]pyrene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	360	ug/kg dry	020909 0800	020909 1936	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*48.9%*	*26-118*	*020909 0800*	*020909 1936*		*EPA 8270C*	
Surrogate: Phenol-d5		*52.8%*	*25-135*	*020909 0800*	*020909 1936*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*51.4%*	*41-135*	*020909 0800*	*020909 1936*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*55.0%*	*47-128*	*020909 0800*	*020909 1936*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*50.3%*	*28-130*	*020909 0800*	*020909 1936*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*52.9%*	*37-128*	*020909 0800*	*020909 1936*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	4.0	mg/kg	020409 1215	020909 1436	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*82.0%*	*52.9-156*	*020409 1215*	*020909 1436*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	021209 0700	021209 1701	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*105%*	*73-125*	*021209 0700*	*021209 1701*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-28

09B0125-05 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
2,4-D	0	2000	µg/Kg	021209 0801	021709 2338	MLT	SW8151	
2,4,5-TP (Silvex)	0	2000	µg/Kg	021209 0801	021709 2338	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021709 2338	MLT	SW8151	
Dinoseb	0	2000	µg/Kg	021209 0801	021709 2338	MLT	SW8151	
Surrogate: Surr: DCAA		*0.8148%*	*10-114*	*021209 0801*	*021709 2338*		*SW8151*	
Pesticides								
Atrazine	0	1000	µg/Kg	021809 0803	021909 0022	MLT	SW8081A	
Tachlor	0	1000	µg/Kg	021809 0803	021909 0022	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*0850850850851%*	*38.2-130*	*021809 0803*	*021909 0022*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*1.001001001001%*	*38.1-158*	*021809 0803*	*021909 0022*		*SW8081A*	

Microbac Laboratories, Inc., Baltimore Division

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-28

09B0125-06 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**88.44**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.29**	0.028	mg/kg dry	020909 0920	021009 1054	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	1.9	mg/kg (dry)	021009 0824	021009 1735	PRM	EPA 6020	D
Aluminum	**8100**	12	mg/kg (dry)	021009 0824	021209 1501	APS	EPA 6010B	D
Arsenic	**18**	0.97	mg/kg (dry)	021009 0824	021009 1735	PRM	EPA 6020	
Barium	**780**	0.97	mg/kg (dry)	021009 0824	021009 1735	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1501	APS	EPA 6010B	D
Cadmium	**4.5**	0.0097	mg/kg (dry)	021009 0824	021009 1735	PRM	EPA 6020	B2, D
Chromium	**94**	1.9	mg/kg (dry)	021009 0824	021009 1735	PRM	EPA 6020	D
Copper	**64**	0.97	mg/kg (dry)	021009 0824	021009 1735	PRM	EPA 6020	D
Iron	**22000**	9.7	mg/kg (dry)	021009 0824	021209 1501	APS	EPA 6010B	B2, D, B
Manganese	**210**	0.97	mg/kg (dry)	021009 0824	021009 1735	PRM	EPA 6020	D
Nickel	**17**	0.97	mg/kg (dry)	021009 0824	021009 1735	PRM	EPA 6020	D
Lead	**380**	0.97	mg/kg (dry)	021009 0824	021009 1735	PRM	EPA 6020	D
Antimony	**2.2**	1.9	mg/kg (dry)	021009 0824	021009 1735	PRM	EPA 6020	D
Selenium	**1.1**	0.97	mg/kg (dry)	021009 0824	021009 1735	PRM	EPA 6020	D
Tin	ND	19	mg/kg (dry)	021009 0824	021209 1501	APS	EPA 6010B	B3, D
Thallium	ND	0.97	mg/kg (dry)	021009 0824	021009 1735	PRM	EPA 6020	D
Vanadium	**41**	0.97	mg/kg (dry)	021009 0824	021009 1735	PRM	EPA 6020	D
Zinc	**200**	9.7	mg/kg (dry)	021009 0824	021009 1735	PRM	EPA 6020	D

Microbac Laboratories, Inc., Baltimore Division

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-28

09B0125-06 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Vinyl chloride	ND	110	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Bromomethane	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Chloroethane	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Acetone	ND	2800	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Carbon disulfide	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Methylene Chloride	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
trans-1,2-Dichloroethene	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
1,1-Dichloroethane	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2800	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Chloroform	**130**	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	J, D
1,1,1-Trichloroethane	**490**	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	J, D
Carbon Tetrachloride	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Benzene	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Trichloroethene	**10000**	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	D
1,2-Dichloropropane	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2800	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Toluene	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Tetrachloroethene	**14000**	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	D
Dibromochloromethane	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Chlorobenzene	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-28

09B0125-06 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
Ethylbenzene	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
m,p-Xylenes	ND	1100	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
o-Xylene	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Styrene	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Bromoform	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	550	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Total Xylenes	ND	1700	ug/kg dry	020409 1215	021209 0016	EMG	EPA 8260B	U, D
Surrogate: Dibromofluoromethane		*88.9%*	*80-120*	*020409 1215*	*021209 0016*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*88.1%*	*80-120*	*020409 1215*	*021209 0016*		*EPA 8260B*	
Surrogate: Toluene-d8		*99.0%*	*75-120*	*020409 1215*	*021209 0016*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*93.8%*	*60-149*	*020409 1215*	*021209 0016*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Chloroethyl)ether	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Phenol	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
2-Chlorophenol	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
1,3-Dichlorobenzene	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
1,4-Dichlorobenzene	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
1,2-Dichlorobenzene	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Bis(2-chloroisopropyl)ether	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
2-Methylphenol	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Hexachloroethane	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
N-Nitroso-di-n-propylamine	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
4-Methylphenol, 3-Methylphenol	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Nitrobenzene	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Isophorone	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
2,4-Dimethylphenol	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
2,4-Dichlorophenol	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-28

09B0125-06 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

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TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Naphthalene	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
4-Chloroaniline	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Hexachlorobutadiene	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
2-Methylnaphthalene	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Hexachlorocyclopentadiene	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
2,4,6-Trichlorophenol	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
2,4,5-Trichlorophenol	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
2-Chloronaphthalene	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Acenaphthylene	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
2,6-Dinitrotoluene	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Acenaphthene	**2900**	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	D
2,4-Dinitrophenol	ND	9600	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Dibenzofuran	**2700**	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	D
2,4-Dinitrotoluene	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Fluorene	**3600**	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	D
Diethylphthalate	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
N-Nitrosodiphenylamine	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Hexachlorobenzene	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Pentachlorophenol	ND	9600	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Phenanthrene	**34000**	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	D
Anthracene	**9200**	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	D
Carbazole	**2500**	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	D
Di-n-butylphthalate	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Fluoranthene	**31000**	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	D
Pyrene	**36000**	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	D
3,3'-Dichlorobenzidine	ND	3800	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Benz(a)anthracene	**13000**	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	D
Chrysene	**12000**	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-28

09B0125-06 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Ethylhexyl)phthalate	ND	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	U, D
Benzo[b]fluoranthene	**9200**	3700	ug/kg dry	020909 0800	022509 1653	MST	EPA 8270C	D
Benzo[k]fluoranthene	**11000**	3700	ug/kg dry	020909 0800	022509 1653	MST	EPA 8270C	D
Benzo[a]pyrene	**11000**	3700	ug/kg dry	020909 0800	022509 1653	MST	EPA 8270C	D
Indeno[1,2,3-cd]pyrene	**4600**	3700	ug/kg dry	020909 0800	022509 1653	MST	EPA 8270C	D
Dibenz[a,h]anthracene	**2700**	1900	ug/kg dry	020909 0800	022509 1611	MST	EPA 8270C	E6, D
Benzo[g,h,i]perylene	**4600**	3700	ug/kg dry	020909 0800	022509 1653	MST	EPA 8270C	D
Surrogate: 2-Fluorophenol		*95.3%*	*26-118*	*020909 0800*	*022509 1611*		*EPA 8270C*	
Surrogate: Phenol-d5		*99.8%*	*25-135*	*020909 0800*	*022509 1611*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*92.7%*	*41-135*	*020909 0800*	*022509 1611*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*102%*	*47-128*	*020909 0800*	*022509 1611*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*104%*	*28-130*	*020909 0800*	*022509 1611*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*121%*	*37-128*	*020909 0800*	*022509 1653*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	**8.9**	3.9	mg/kg	020409 1215	020909 1508	EMG	EPA 8015B	D
Surrogate: a,a,a-Trifluorotoluene		*88.9%*	*52.9-156*	*020409 1215*	*020909 1508*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	72	10	mg/kg	021209 0700	021909 0941	MST	EPA 8015B	
Surrogate: n-Pentacosane		*114%*	*73-125*	*021209 0700*	*021909 0941*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

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Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
Dalapon	0	2000	µg/Kg	021209 0801	021809 0012	MLT	SW8151	
Dinoseb	0	2000	µg/Kg	021209 0801	021809 0012	MLT	SW8151	
2,4,5-TP (Silvex)	**1.7**	2000	µg/Kg	021209 0801	021809 0012	MLT	SW8151	
2,4-D	**10**	2000	µg/Kg	021209 0801	021809 0012	MLT	SW8151	
Surrogate: Surr: DCAA		*0.8925%*	*10-114*	*021209 0801*	*021809 0012*		*SW8151*	
Pesticides								
Alachlor	0	1000	µg/Kg	021809 0803	021909 0046	MLT	SW8081A	
trazine	0	1000	µg/Kg	021809 0803	021909 0046	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*0950950950951%*	*38.2-130*	*021809 0803*	*021909 0046*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*528528528528 5%*	*38.1-158*	*021809 0803*	*021909 0046*		*SW8081A*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-28-2

09B0125-07 (Soil) Sampled: 02/04/2009 12:30; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**79.08**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.031	mg/kg dry	020909 0920	021009 1056	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	1.9	mg/kg (dry)	021009 0824	021009 1739	PRM	EPA 6020	D
Aluminum	**21000**	12	mg/kg (dry)	021009 0824	021209 1505	APS	EPA 6010B	D
Arsenic	**2.0**	0.97	mg/kg (dry)	021009 0824	021009 1739	PRM	EPA 6020	
Barium	**77**	0.97	mg/kg (dry)	021009 0824	021009 1739	PRM	EPA 6020	
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1505	APS	EPA 6010B	D
Cadmium	**0.11**	0.0097	mg/kg (dry)	021009 0824	021009 1739	PRM	EPA 6020	B2, D
Chromium	**130**	1.9	mg/kg (dry)	021009 0824	021009 1739	PRM	EPA 6020	D
Copper	**42**	0.97	mg/kg (dry)	021009 0824	021009 1739	PRM	EPA 6020	D
Iron	**36000**	9.7	mg/kg (dry)	021009 0824	021209 1505	APS	EPA 6010B	B2, D, B
Manganese	**190**	0.97	mg/kg (dry)	021009 0824	021009 1739	PRM	EPA 6020	D
Nickel	**68**	0.97	mg/kg (dry)	021009 0824	021009 1739	PRM	EPA 6020	D
Lead	**7.4**	0.97	mg/kg (dry)	021009 0824	021009 1739	PRM	EPA 6020	D
Antimony	ND	1.9	mg/kg (dry)	021009 0824	021009 1739	PRM	EPA 6020	D
Selenium	ND	0.97	mg/kg (dry)	021009 0824	021009 1739	PRM	EPA 6020	D
Tin	ND	19	mg/kg (dry)	021009 0824	021209 1505	APS	EPA 6010B	B3, D
Thallium	ND	0.97	mg/kg (dry)	021009 0824	021009 1739	PRM	EPA 6020	D
Vanadium	**110**	0.97	mg/kg (dry)	021009 0824	021009 1739	PRM	EPA 6020	D
Zinc	**73**	9.7	mg/kg (dry)	021009 0824	021009 1739	PRM	EPA 6020	D

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SB-28-2

09B0125-07 (Soil) Sampled: 02/04/2009 12:30; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	6.3	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	6.3	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
Heptachlor	ND	6.3	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
Aldrin	ND	6.3	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
beta-BHC	ND	6.3	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
delta-BHC	ND	6.3	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	6.3	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	13	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
?,p'-DDE	ND	13	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
ieldrin	ND	13	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
Endrin	ND	13	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
Endosulfan II	ND	38	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	38	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	38	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	38	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	38	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	63	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	38	ug/kg dry	021109 0800	021209 2212	MST	EPA 8081A/8082	U, D
Toxaphene	ND	380	ug/kg dry	021109 0800	021209 2244	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	130	ug/kg dry	021109 0800	021209 2244	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xylene		*72.8%*	*30-130*	*021109 0800*	*021209 2244*		*EPA 8081A 8082*	
Surrogate: Decachlorobiphenyl		*107%*	*30-130*	*021109 0800*	*021209 2244*		*EPA 8081A 8082*	

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Vinyl chloride	ND	110	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Bromomethane	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Chloroethane	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Acetone	ND	2800	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Carbon disulfide	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Methylene Chloride	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
trans-1,2-Dichloroethene	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	
1,1-Dichloroethane	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2800	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Chloroform	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Benzene	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Trichloroethene	**400**	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	J, D
1,2-Dichloropropane	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2800	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Toluene	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Tetrachloroethene	**1300**	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	D
Dibromochloromethane	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Chlorobenzene	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-28-2

09B0125-07 (Soil) Sampled: 02/04/2009 12:30; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Ethylbenzene	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
m,p-Xylenes	ND	1100	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
o-Xylene	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Styrene	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Bromoform	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	560	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
Total Xylenes	ND	1700	ug/kg dry	020409 1230	021209 0053	EMG	EPA 8260B	U, D
rrogate: Dibromofluoromethane		*90.8%*	*80-120*	*020409 1230*	*021209 0053*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*91.2%*	*80-120*	*020409 1230*	*021209 0053*		*EPA 8260B*	
Surrogate: Toluene-d8		*98.2%*	*75-120*	*020409 1230*	*021209 0053*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*94.4%*	*60-149*	*020409 1230*	*021209 0053*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Phenol	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
2-Chlorophenol	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
2-Methylphenol	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Hexachloroethane	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Nitrobenzene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Isophorone	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U

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Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-28-2

09B0125-07 (Soil) Sampled: 02/04/2009 12:30; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Naphthalene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
4-Chloroaniline	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Hexachlorobutadiene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
2-Methylnaphthalene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
2-Chloronaphthalene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Acenaphthylene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	
2,6-Dinitrotoluene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Acenaphthene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2100	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Dibenzofuran	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Fluorene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Diethylphthalate	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Hexachlorobenzene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Pentachlorophenol	ND	2100	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Phenanthrene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Anthracene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Carbazole	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Di-n-butylphthalate	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Fluoranthene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Pyrene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	850	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Benz(a)anthracene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Chrysene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-28-2

09B0125-07 (Soil) Sampled: 02/04/2009 12:30; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Benzo[a]pyrene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	420	ug/kg dry	020909 0800	020909 2100	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*84.0%*	*26-118*	*020909 0800*	*020909 2100*		*EPA 8270C*	
Surrogate: Phenol-d5		*92.4%*	*25-135*	*020909 0800*	*020909 2100*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*88.5%*	*41-135*	*020909 0800*	*020909 2100*		*EPA 8270C*	
rogate: 2-Fluorobiphenyl		*93.2%*	*47-128*	*020909 0800*	*020909 2100*		*EPA 8270C*	
urrogate: 2,4,6-Tribromophenol		*87.6%*	*28-130*	*020909 0800*	*020909 2100*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*101%*	*37-128*	*020909 0800*	*020909 2100*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.5	mg/kg	020409 1230	021009 1151	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*80.7%*	*52.9-156*	*020409 1230*	*021009 1151*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	021209 0700	021809 0942	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*101%*	*73-125*	*021209 0700*	*021809 0942*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-28-2

09B0125-07 (Soil) Sampled: 02/04/2009 12:30; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
Dalapon	0	2000	µg/Kg	021209 0801	021809 0045	MLT	SW8151	
2,4-D	0	2000	µg/Kg	021209 0801	021809 0045	MLT	SW8151	
2,4,5-TP (Silvex)	0	2000	µg/Kg	021209 0801	021809 0045	MLT	SW8151	
Dinoseb	0	2000	µg/Kg	021209 0801	021809 0045	MLT	SW8151	
Surrogate: Surr: DCAA		*0.7602%*	*10-114*	*021209 0801*	*021809 0045*		*SW8151*	
Pesticides								
Alachlor	0	33	µg/Kg	021609 0913	021609 1742	MLT	SW8081A	
Atrazine	0	99	µg/Kg	021609 0913	021609 1742	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*0800800800801%*	*38.2-130*	*021609 0913*	*021609 1742*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*5135135135135%*	*38.1-158*	*021609 0913*	*021609 1742*		*SW8081A*	

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-29

09B0125-08 (Soil) Sampled: 02/04/2009 14:55; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**88.83**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.10**	0.026	mg/kg dry	020909 0920	021009 1058	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021009 0824	021009 1743	PRM	EPA 6020	D
Aluminum	**9900**	12	mg/kg (dry)	021009 0824	021209 1509	APS	EPA 6010B	D
rsenic	**8.0**	0.99	mg/kg (dry)	021009 0824	021009 1743	PRM	EPA 6020	D
Barium	**48**	0.99	mg/kg (dry)	021009 0824	021009 1743	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1509	APS	EPA 6010B	D
Cadmium	**0.28**	0.0099	mg/kg (dry)	021009 0824	021009 1743	PRM	EPA 6020	B2, D
Chromium	**54**	2.0	mg/kg (dry)	021009 0824	021009 1743	PRM	EPA 6020	D
Copper	**45**	0.99	mg/kg (dry)	021009 0824	021009 1743	PRM	EPA 6020	D
Iron	**14000**	9.9	mg/kg (dry)	021009 0824	021209 1509	APS	EPA 6010B	B2, D, B
Manganese	**390**	0.99	mg/kg (dry)	021009 0824	021009 1743	PRM	EPA 6020	D
Nickel	**19**	0.99	mg/kg (dry)	021009 0824	021009 1743	PRM	EPA 6020	D
Lead	**65**	0.99	mg/kg (dry)	021009 0824	021009 1743	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	021009 0824	021009 1743	PRM	EPA 6020	D
Selenium	ND	0.99	mg/kg (dry)	021009 0824	021009 1743	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021009 0824	021209 1509	APS	EPA 6010B	B3, D
Thallium	ND	0.99	mg/kg (dry)	021009 0824	021009 1743	PRM	EPA 6020	D
Vanadium	**49**	0.99	mg/kg (dry)	021009 0824	021009 1743	PRM	EPA 6020	D
Zinc	**110**	9.9	mg/kg (dry)	021009 0824	021009 1743	PRM	EPA 6020	D

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-29

09B0125-08 (Soil) Sampled: 02/04/2009 14:55; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Vinyl chloride	ND	89	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Bromomethane	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Chloroethane	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
1,1-Dichloroethene	**110**	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	J, D
Acetone	ND	2200	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Carbon disulfide	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Methylene Chloride	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
trans-1,2-Dichloroethene	**210**	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	
1,1-Dichloroethane	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	**7900**	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	D
Methyl Ethyl Ketone (2-Butanone)	ND	2200	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Chloroform	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Benzene	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Trichloroethene	**39000**	4400	ug/kg dry	020409 1455	021809 1441	EMG	EPA 8260B	S4, D
1,2-Dichloropropane	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2200	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Toluene	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Tetrachloroethene	**70**	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	J, D
Dibromochloromethane	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Chlorobenzene	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-29

09B0125-08 (Soil) Sampled: 02/04/2009 14:55; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
Ethylbenzene	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
m,p-Xylenes	ND	890	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
o-Xylene	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Styrene	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Bromoform	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	440	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
Total Xylenes	ND	1300	ug/kg dry	020409 1455	021209 0129	EMG	EPA 8260B	U, D
rogate: Dibromofluoromethane		*93.2%*	*80-120*	*020409 1455*	*021209 0129*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*94.8%*	*80-120*	*020409 1455*	*021209 0129*		*EPA 8260B*	
Surrogate: Toluene-d8		*97.6%*	*75-120*	*020409 1455*	*021209 0129*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*92.7%*	*60-149*	*020409 1455*	*021209 0129*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Chloroethyl)ether	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Phenol	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
2-Chlorophenol	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
2-Methylphenol	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Hexachloroethane	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Nitrobenzene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Isophorone	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U

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Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-29

09B0125-08 (Soil) Sampled: 02/04/2009 14:55; Type: Composite

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TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Naphthalene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
4-Chloroaniline	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Hexachlorobutadiene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
2-Methylnaphthalene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
2-Chloronaphthalene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
cenaphthylene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
2,6-Dinitrotoluene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Acenaphthene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	1900	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Dibenzofuran	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Fluorene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Diethylphthalate	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Hexachlorobenzene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Pentachlorophenol	ND	1900	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Phenanthrene	**500**	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	
Anthracene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Carbazole	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Di-n-butylphthalate	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Fluoranthene	**1000**	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	
Pyrene	**1800**	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	
3,3'-Dichlorobenzidine	ND	750	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Benz(a)anthracene	**700**	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	
Chrysene	**770**	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	
Bis(2-Ethylhexyl)phthalate	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-29

09B0125-08 (Soil) Sampled: 02/04/2009 14:55; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[b]fluoranthene	**750**	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	
Benzo[k]fluoranthene	**780**	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	
Benzo[a]pyrene	**800**	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	
Indeno[1,2,3-cd]pyrene	**580**	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	
Dibenz[a,h]anthracene	ND	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	U
Benzo[g,h,i]perylene	**660**	370	ug/kg dry	020909 0800	021909 2220	MST	EPA 8270C	
Surrogate: 2-Fluorophenol		*85.3%*	*26-118*	*020909 0800*	*021909 2220*		*EPA 8270C*	
Surrogate: Phenol-d5		*91.9%*	*25-135*	*020909 0800*	*021909 2220*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*89.1%*	*41-135*	*020909 0800*	*021909 2220*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*86.4%*	*47-128*	*020909 0800*	*021909 2220*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*90.3%*	*28-130*	*020909 0800*	*021909 2220*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*163%*	*37-128*	*020909 0800*	*021909 2220*		*EPA 8270C*	S2
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	**11**	3.1	mg/kg	020409 1455	020909 1541	EMG	EPA 8015B	D
Surrogate: a,a,a-Trifluorotoluene		*96.8%*	*52.9-156*	*020409 1455*	*020909 1541*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	**97**	10	mg/kg	021209 0700	021909 1230	MST	EPA 8015B	
Surrogate: n-Pentacosane		*123%*	*73-125*	*021209 0700*	*021909 1230*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

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Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
Dinoseb	0	2000	µg/Kg	021209 0801	021809 0119	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021809 0119	MLT	SW8151	
2,4-D	0	2000	µg/Kg	021209 0801	021809 0119	MLT	SW8151	
2,4,5-TP (Silvex)	0	2000	µg/Kg	021209 0801	021809 0119	MLT	SW8151	
Surrogate: Surr: DCAA		*0.9996%*	*10-114*	*021209 0801*	*021809 0119*		*SW8151*	
Pesticides								
Atrazine	0	1000	µg/Kg	021809 0803	021909 0110	MLT	SW8081A	
Alachlor	0	1000	µg/Kg	021809 0803	021909 0110	MLT	SW8081A	
rogate: Surr: Tetrachloro-m-xylene		*0750750750751%*	*38.2-130*	*021809 0803*	*021909 0110*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*5155155155155%*	*38.1-158*	*021809 0803*	*021909 0110*		*SW8081A*	

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SB-29

09B0125-09 (Soil) Sampled: 02/04/2009 15:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**80.61**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.029	mg/kg dry	020909 0920	021009 1100	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021009 0824	021009 1746	PRM	EPA 6020	D
Aluminum	**8800**	12	mg/kg (dry)	021009 0824	021209 1513	APS	EPA 6010B	D
Arsenic	**1.3**	0.99	mg/kg (dry)	021009 0824	021009 1746	PRM	EPA 6020	
Barium	**53**	0.99	mg/kg (dry)	021009 0824	021009 1746	PRM	EPA 6020	
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1513	APS	EPA 6010B	D
Cadmium	**0.055**	0.0099	mg/kg (dry)	021009 0824	021009 1746	PRM	EPA 6020	B2, D
Chromium	**62**	2.0	mg/kg (dry)	021009 0824	021009 1746	PRM	EPA 6020	D
Copper	**15**	0.99	mg/kg (dry)	021009 0824	021009 1746	PRM	EPA 6020	D
Iron	**21000**	9.9	mg/kg (dry)	021009 0824	021209 1513	APS	EPA 6010B	B2, D, B
Manganese	**1800**	0.99	mg/kg (dry)	021009 0824	021009 1746	PRM	EPA 6020	D
Nickel	**22**	0.99	mg/kg (dry)	021009 0824	021009 1746	PRM	EPA 6020	D
Lead	**5.0**	0.99	mg/kg (dry)	021009 0824	021009 1746	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	021009 0824	021009 1746	PRM	EPA 6020	D
Selenium	ND	0.99	mg/kg (dry)	021009 0824	021009 1746	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021009 0824	021209 1513	APS	EPA 6010B	B3, D
Thallium	ND	0.99	mg/kg (dry)	021009 0824	021009 1746	PRM	EPA 6020	D
Vanadium	**69**	0.99	mg/kg (dry)	021009 0824	021009 1746	PRM	EPA 6020	D
Zinc	**26**	9.9	mg/kg (dry)	021009 0824	021009 1746	PRM	EPA 6020	D

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Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	6.2	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	6.2	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
Heptachlor	ND	6.2	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
Aldrin	ND	6.2	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
beta-BHC	ND	6.2	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
delta-BHC	ND	6.2	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	6.2	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	12	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
p,p'-DDE	ND	12	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
eldrin	ND	12	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
Endrin	ND	12	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
Endosulfan II	ND	37	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	37	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	37	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	37	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	37	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	62	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	37	ug/kg dry	021109 0800	021209 2315	MST	EPA 8081A/8082	U, D
Toxaphene	ND	370	ug/kg dry	021109 0800	021209 2347	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	120	ug/kg dry	021109 0800	021209 2347	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xylene		*49.8%*	*30-130*	*021109 0800*	*021209 2347*		*EPA 8081A 8082*	
Surrogate: Decachlorobiphenyl		*109%*	*30-130*	*021109 0800*	*021209 2347*		*EPA 8081A 8082*	

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Vinyl chloride	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Bromomethane	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Chloroethane	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
1,1-Dichloroethene	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Acetone	ND	2400	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Carbon disulfide	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Methylene Chloride	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Methyl-tert-Butyl Ether	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
trans-1,2-Dichloroethene	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI
1,1-Dichloroethane	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, ...
cis-1,2-Dichloroethene	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2400	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Chloroform	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
1,1,1-Trichloroethane	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Carbon Tetrachloride	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Benzene	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
1,2-Dichloroethane	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Trichloroethene	**150**	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, J, D
1,2-Dichloropropane	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Bromodichloromethane	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Methyl Isobutyl Ketone	ND	2400	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
cis-1,3-Dichloropropene	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Toluene	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
trans-1,3-Dichloropropene	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
1,1,2-Trichloroethane	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
1,2-Dibromoethane	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Tetrachloroethene	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Dibromochloromethane	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Chlorobenzene	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D

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09B0125-09 (Soil) Sampled: 02/04/2009 15:15; Type: Composite

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Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Volatile Organic Compounds by EPA Method 8260B								
Ethylbenzene	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
m,p-Xylenes	ND	980	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
o-Xylene	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Styrene	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Bromoform	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Isopropylbenzene (Cumene)	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
1,1,2,2-Tetrachloroethane	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
1,2-Dibromo-3-chloropropane	ND	490	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
Total Xylenes	ND	1500	ug/kg dry	020409 1515	021809 1517	EMG	EPA 8260B	HI, U, D
rogate: Dibromofluoromethane		*80.8%*	*80-120*	*020409 1515*	*021809 1517*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*82.5%*	*80-120*	*020409 1515*	*021809 1517*		*EPA 8260B*	
Surrogate: Toluene-d8		*84.4%*	*75-120*	*020409 1515*	*021809 1517*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*82.2%*	*60-149*	*020409 1515*	*021809 1517*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Chloroethyl)ether	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Phenol	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
2-Chlorophenol	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
2-Methylphenol	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Hexachloroethane	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Nitrobenzene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Isophorone	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-29

09B0125-09 (Soil) Sampled: 02/04/2009 15:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
1,2,4-Trichlorobenzene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Naphthalene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
4-Chloroaniline	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Hexachlorobutadiene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
2-Methylnaphthalene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
2-Chloronaphthalene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Acenaphthylene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	
2,6-Dinitrotoluene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	
Acenaphthene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2100	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Dibenzofuran	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Fluorene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Diethylphthalate	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Hexachlorobenzene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Pentachlorophenol	ND	2100	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Phenanthrene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Anthracene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Carbazole	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Di-n-butylphthalate	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Fluoranthene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Pyrene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	830	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Benz(a)anthracene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Chrysene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-29

09B0125-09 (Soil) Sampled: 02/04/2009 15:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Benzo[a]pyrene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	410	ug/kg dry	020909 0800	020909 2225	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*85.8%*	*26-118*	*020909 0800*	*020909 2225*		*EPA 8270C*	
Surrogate: Phenol-d5		*95.5%*	*25-135*	*020909 0800*	*020909 2225*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*90.4%*	*41-135*	*020909 0800*	*020909 2225*		*EPA 8270C*	
rrogate: 2-Fluorobiphenyl		*95.7%*	*47-128*	*020909 0800*	*020909 2225*		*EPA 8270C*	
rogate: 2,4,6-Tribromophenol		*89.5%*	*28-130*	*020909 0800*	*020909 2225*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*116%*	*37-128*	*020909 0800*	*020909 2225*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.2	mg/kg	020409 1515	021009 1229	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*81.9%*	*52.9-156*	*020409 1515*	*021009 1229*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	021209 0700	021709 1202	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*109%*	*73-125*	*021209 0700*	*021709 1202*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-29

09B0125-09 (Soil) Sampled: 02/04/2009 15:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
2,4,5-TP (Silvex)	**0.63**	2000	µg/Kg	021209 0801	021809 0153	MLT	SW8151	
2,4-D	**13**	2000	µg/Kg	021209 0801	021809 0153	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021809 0153	MLT	SW8151	
Dinoseb	0	2000	µg/Kg	021209 0801	021809 0153	MLT	SW8151	
Surrogate: Surr: DCAA		*0.7875%*	*10-114*	*021209 0801*	*021809 0153*		*SW8151*	
Pesticides								
Alachlor	0	1000	µg/Kg	021809 0803	021909 0135	MLT	SW8081A	
Atrazine	0	1000	µg/Kg	021809 0803	021909 0135	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*0850850850851%*	*38.2-130*	*021809 0803*	*021909 0135*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*0500500500501%*	*38.1-158*	*021809 0803*	*021909 0135*		*SW8081A*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-30

09B0125-10 (Soil) Sampled: 02/04/2009 13:40; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**88.50**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.028	mg/kg dry	020909 0920	021009 1102	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	1.9	mg/kg (dry)	021009 0824	021009 1750	PRM	EPA 6020	D
Aluminum	**9300**	12	mg/kg (dry)	021009 0824	021209 1517	APS	EPA 6010B	D
Arsenic	**8.8**	0.96	mg/kg (dry)	021009 0824	021009 1750	PRM	EPA 6020	D
Barium	**40**	0.96	mg/kg (dry)	021009 0824	021009 1750	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1517	APS	EPA 6010B	D
Cadmium	**0.20**	0.0096	mg/kg (dry)	021009 0824	021009 1750	PRM	EPA 6020	B2, D
Chromium	**44**	1.9	mg/kg (dry)	021009 0824	021009 1750	PRM	EPA 6020	D
Copper	**21**	0.96	mg/kg (dry)	021009 0824	021009 1750	PRM	EPA 6020	D
Iron	**21000**	9.6	mg/kg (dry)	021009 0824	021209 1517	APS	EPA 6010B	B2, D, B
Manganese	**290**	0.96	mg/kg (dry)	021009 0824	021009 1750	PRM	EPA 6020	D
Nickel	**14**	0.96	mg/kg (dry)	021009 0824	021009 1750	PRM	EPA 6020	D
Lead	**35**	0.96	mg/kg (dry)	021009 0824	021009 1750	PRM	EPA 6020	D
Antimony	ND	1.9	mg/kg (dry)	021009 0824	021009 1750	PRM	EPA 6020	D
Selenium	ND	0.96	mg/kg (dry)	021009 0824	021009 1750	PRM	EPA 6020	D
Tin	ND	19	mg/kg (dry)	021009 0824	021209 1517	APS	EPA 6010B	B3, D
Thallium	ND	0.96	mg/kg (dry)	021009 0824	021009 1750	PRM	EPA 6020	D
Vanadium	**56**	0.96	mg/kg (dry)	021009 0824	021009 1750	PRM	EPA 6020	D
Zinc	**66**	9.6	mg/kg (dry)	021009 0824	021009 1750	PRM	EPA 6020	D

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-30

09B0125-10 (Soil) Sampled: 02/04/2009 13:40; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	5.6	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	5.6	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
Heptachlor	ND	5.6	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
Aldrin	ND	5.6	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
beta-BHC	ND	5.6	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
delta-BHC	ND	5.6	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	5.6	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	11	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
p,p'-DDE	ND	11	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
Dieldrin	ND	11	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U
Endrin	ND	11	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	
Endosulfan II	ND	34	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	34	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	34	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	34	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	34	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	56	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	34	ug/kg dry	021109 0800	021309 0018	MST	EPA 8081A/8082	U, D
Toxaphene	ND	340	ug/kg dry	021109 0800	021309 0050	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	110	ug/kg dry	021109 0800	021309 0050	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xylene		*45.0%*	*30-130*	*021109 0800*	*021309 0050*		*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl		*101%*	*30-130*	*021109 0800*	*021309 0050*		*EPA 8081A/8082*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-30

09B0125-10 (Soil) Sampled: 02/04/2009 13:40; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Vinyl chloride	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Bromomethane	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Chloroethane	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Acetone	ND	2700	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Carbon disulfide	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Methylene Chloride	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
·ans-1,2-Dichloroethene	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
,,1-Dichloroethane	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2700	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Chloroform	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Benzene	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Trichloroethene	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
1,2-Dichloropropane	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2700	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Toluene	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Tetrachloroethene	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Dibromochloromethane	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Chlorobenzene	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Ethylbenzene	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-30

09B0125-10 (Soil) Sampled: 02/04/2009 13:40; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylenes	ND	1100	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
o-Xylene	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Styrene	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Bromoform	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	530	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Total Xylenes	ND	1600	ug/kg dry	020409 1340	021809 1202	EMG	EPA 8260B	U, D
Surrogate: Dibromofluoromethane		*86.2%*	*80-120*	*020409 1340*	*021809 1202*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*85.9%*	*80-120*	*020409 1340*	*021809 1202*		*EPA 8260B*	
Surrogate: Toluene-d8		*81.6%*	*75-120*	*020409 1340*	*021809 1202*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*80.6%*	*60-149*	*020409 1340*	*021809 1202*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Chloroethyl)ether	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Phenol	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
2-Chlorophenol	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
2-Methylphenol	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Hexachloroethane	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Nitrobenzene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Isophorone	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
1,2,4-Trichlorobenzene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-30

09B0125-10 (Soil) Sampled: 02/04/2009 13:40; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Naphthalene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
4-Chloroaniline	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Hexachlorobutadiene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
2-Methylnaphthalene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
2-Chloronaphthalene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Acenaphthylene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
6-Dinitrotoluene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Acenaphthene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	1900	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Dibenzofuran	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Fluorene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Diethylphthalate	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Hexachlorobenzene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Pentachlorophenol	ND	1900	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Phenanthrene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Anthracene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Carbazole	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Di-n-butylphthalate	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Fluoranthene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Pyrene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	760	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Benz(a)anthracene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Chrysene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Benzo[k]fluoranthene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U

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CERTIFICATE OF ANALYSIS

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-30

09B0125-10 (Soil) Sampled: 02/04/2009 13:40; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[a]pyrene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	370	ug/kg dry	020909 0800	021809 1731	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*91.6%*	*26-118*	*020909 0800*	*021809 1731*		*EPA 8270C*	
Surrogate: Phenol-d5		*97.4%*	*25-135*	*020909 0800*	*021809 1731*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*95.2%*	*41-135*	*020909 0800*	*021809 1731*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*96.3%*	*47-128*	*020909 0800*	*021809 1731*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*99.0%*	*28-130*	*020909 0800*	*021809 1731*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*99.9%*	*37-128*	*020909 0800*	*021809 1731*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.8	mg/kg	020409 1340	020909 1614	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*81.4%*	*52.9-156*	*020409 1340*	*020909 1614*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	021209 0700	021709 1246	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*107%*	*73-125*	*021209 0700*	*021709 1246*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	
Microbac, Chicagoland								
Herbicides								
2,4-D	0	2000	µg/Kg	021209 0801	021809 0226	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021809 0226	MLT	SW8151	
2,4,5-TP (Silvex)	0	2000	µg/Kg	021209 0801	021809 0226	MLT	SW8151	

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SS-30

09B0125-10 (Soil) Sampled: 02/04/2009 13:40; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
Dinoseb	0	2000	µg/Kg	021209 0801	021809 0226	MLT	SW8151	
Surrogate: Surr: DCAA	*0.9702%*		*10-114*	*021209 0801*	*021809 0226*		*SW8151*	
Pesticides								
Atrazine	0	1000	µg/Kg	021809 0803	021909 0247	MLT	SW8081A	
Alachlor	0	1000	µg/Kg	021809 0803	021909 0247	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene	*0750750750751%*		*38.2-130*	*021809 0803*	*021909 0247*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl	*5115115115115%*		*38.1-158*	*021809 0803*	*021909 0247*		*SW8081A*	

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-30

09B0125-11 (Soil) Sampled: 02/04/2009 14:10; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**83.45**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.87**	0.028	mg/kg dry	020909 0920	021009 1105	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021009 0824	021009 1754	PRM	EPA 6020	D
Aluminum	**2500**	12	mg/kg (dry)	021009 0824	021209 1521	APS	EPA 6010B	D
Arsenic	**6.7**	0.98	mg/kg (dry)	021009 0824	021009 1754	PRM	EPA 6020	
Barium	**54**	0.98	mg/kg (dry)	021009 0824	021009 1754	PRM	EPA 6020	
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1521	APS	EPA 6010B	D
Cadmium	**0.11**	0.0098	mg/kg (dry)	021009 0824	021009 1754	PRM	EPA 6020	B2, D
Chromium	**13**	2.0	mg/kg (dry)	021009 0824	021009 1754	PRM	EPA 6020	D
Copper	**30**	0.98	mg/kg (dry)	021009 0824	021009 1754	PRM	EPA 6020	D
Iron	**16000**	9.8	mg/kg (dry)	021009 0824	021209 1521	APS	EPA 6010B	B2, D, B
Manganese	**200**	0.98	mg/kg (dry)	021009 0824	021009 1754	PRM	EPA 6020	D
Nickel	**11**	0.98	mg/kg (dry)	021009 0824	021009 1754	PRM	EPA 6020	D
Lead	**160**	0.98	mg/kg (dry)	021009 0824	021009 1754	PRM	EPA 6020	D
Antimony	**3.5**	2.0	mg/kg (dry)	021009 0824	021009 1754	PRM	EPA 6020	D
Selenium	ND	0.98	mg/kg (dry)	021009 0824	021009 1754	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021009 0824	021209 1521	APS	EPA 6010B	B3, D
Thallium	ND	0.98	mg/kg (dry)	021009 0824	021009 1754	PRM	EPA 6020	D
Vanadium	**17**	0.98	mg/kg (dry)	021009 0824	021009 1754	PRM	EPA 6020	D
Zinc	**130**	9.8	mg/kg (dry)	021009 0824	021009 1754	PRM	EPA 6020	D

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SB-30

09B0125-11 (Soil) Sampled: 02/04/2009 14:10; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Vinyl chloride	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Bromomethane	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Chloroethane	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	R2, U, D
Acetone	ND	2400	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Carbon disulfide	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Methylene Chloride	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
trans-1,2-Dichloroethene	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
1,1-Dichloroethane	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2400	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Chloroform	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Benzene	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Trichloroethene	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
1,2-Dichloropropane	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2400	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Toluene	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	R2, U, D
trans-1,3-Dichloropropene	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Tetrachloroethene	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Dibromochloromethane	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Chlorobenzene	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Ethylbenzene	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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SB-30

09B0125-11 (Soil) Sampled: 02/04/2009 14:10; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylenes	ND	940	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
o-Xylene	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Styrene	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Bromoform	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	470	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Total Xylenes	ND	1400	ug/kg dry	020409 1410	021809 1238	EMG	EPA 8260B	U, D
Surrogate: Dibromofluoromethane		*82.3%*	*80-120*	*020409 1410*	*021809 1238*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*82.9%*	*80-120*	*020409 1410*	*021809 1238*		*EPA 8260B*	
Surrogate: Toluene-d8		*81.7%*	*75-120*	*020409 1410*	*021809 1238*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*82.9%*	*60-149*	*020409 1410*	*021809 1238*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Chloroethyl)ether	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Phenol	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
2-Chlorophenol	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
2-Methylphenol	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Hexachloroethane	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Nitrobenzene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Isophorone	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
1,2,4-Trichlorobenzene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-30

09B0125-11 (Soil) Sampled: 02/04/2009 14:10; Type: Composite

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TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Naphthalene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
4-Chloroaniline	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Hexachlorobutadiene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
2-Methylnaphthalene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
2-Chloronaphthalene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Acenaphthylene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
,6-Dinitrotoluene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Acenaphthene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2000	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Dibenzofuran	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Fluorene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Diethylphthalate	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Hexachlorobenzene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Pentachlorophenol	ND	2000	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Phenanthrene	**1800**	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	
Anthracene	**450**	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	
Carbazole	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Di-n-butylphthalate	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Fluoranthene	**1500**	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	
Pyrene	**2000**	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	
3,3'-Dichlorobenzidine	ND	800	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Benz(a)anthracene	**760**	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	
Chrysene	**700**	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	
Bis(2-Ethylhexyl)phthalate	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Benzo[b]fluoranthene	**610**	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-30

09B0125-11 (Soil) Sampled: 02/04/2009 14:10; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	**720**	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	
Benzo[a]pyrene	**680**	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	400	ug/kg dry	020909 0800	021909 1933	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*93.3%*	*26-118*	*020909 0800*	*021909 1933*		*EPA 8270C*	
Surrogate: Phenol-d5		*102%*	*25-135*	*020909 0800*	*021909 1933*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*94.9%*	*41-135*	*020909 0800*	*021909 1933*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*95.5%*	*47-128*	*020909 0800*	*021909 1933*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*101%*	*28-130*	*020909 0800*	*021909 1933*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*157%*	*37-128*	*020909 0800*	*021909 1933*		*EPA 8270C*	*S2*
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.1	mg/kg	020409 1410	020909 1646	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*80.9%*	*52.9-156*	*020409 1410*	*020909 1646*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	**13**	10	mg/kg	021209 0700	021709 1330	MST	EPA 8015B	
Surrogate: n-Pentacosane		*106%*	*73-125*	*021209 0700*	*021709 1330*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

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SB-30

09B0125-11 (Soil) Sampled: 02/04/2009 14:10; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
2,4,5-TP (Silvex)	**1**	2000	µg/Kg	021209 0801	021809 0408	MLT	SW8151	
2,4-D	**7.1**	2000	µg/Kg	021209 0801	021809 0408	MLT	SW8151	
Dinoseb	0	2000	µg/Kg	021209 0801	021809 0408	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021809 0408	MLT	SW8151	
Surrogate: Surr: DCAA		*0.7434%*	*10-114*	*021209 0801*	*021809 0408*		*SW8151*	
Pesticides								
Atrazine	0	1000	µg/Kg	021809 0803	021909 0311	MLT	SW8081A	
lachlor	0	1000	µg/Kg	021809 0803	021909 0311	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*0850850850851%*	*38.2-130*	*021809 0803*	*021909 0311*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*5195195195195%*	*38.1-158*	*021809 0803*	*021909 0311*		*SW8081A*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-32

09B0125-12 (Soil) Sampled: 02/04/2009 16:55; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**93.92**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.026	mg/kg dry	020909 0920	021009 1107	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	1.9	mg/kg (dry)	021009 0824	021009 1809	PRM	EPA 6020	D
Aluminum	**2800**	12	mg/kg (dry)	021009 0824	021209 1525	APS	EPA 6010B	D
Arsenic	**1.2**	0.96	mg/kg (dry)	021009 0824	021009 1809	PRM	EPA 6020	
Barium	**14**	0.96	mg/kg (dry)	021009 0824	021009 1809	PRM	EPA 6020	
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1525	APS	EPA 6010B	D
Cadmium	ND	0.0096	mg/kg (dry)	021009 0824	021009 1809	PRM	EPA 6020	B1, D
Chromium	**26**	1.9	mg/kg (dry)	021009 0824	021009 1809	PRM	EPA 6020	D
Copper	**5.8**	0.96	mg/kg (dry)	021009 0824	021009 1809	PRM	EPA 6020	D
Iron	**4200**	9.6	mg/kg (dry)	021009 0824	021209 1525	APS	EPA 6010B	B2, D, B
Manganese	**150**	0.96	mg/kg (dry)	021009 0824	021009 1809	PRM	EPA 6020	D
Nickel	**5.0**	0.96	mg/kg (dry)	021009 0824	021009 1809	PRM	EPA 6020	D
Lead	**5.2**	0.96	mg/kg (dry)	021009 0824	021009 1809	PRM	EPA 6020	D
Antimony	ND	1.9	mg/kg (dry)	021009 0824	021009 1809	PRM	EPA 6020	D
Selenium	ND	0.96	mg/kg (dry)	021009 0824	021009 1809	PRM	EPA 6020	D
Tin	ND	19	mg/kg (dry)	021009 0824	021209 1525	APS	EPA 6010B	B3, D
Thallium	ND	0.96	mg/kg (dry)	021009 0824	021009 1809	PRM	EPA 6020	D
Vanadium	**22**	0.96	mg/kg (dry)	021009 0824	021009 1809	PRM	EPA 6020	D
Zinc	ND	9.6	mg/kg (dry)	021009 0824	021009 1809	PRM	EPA 6020	D

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SS-32

09B0125-12 (Soil) Sampled: 02/04/2009 16:55; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	5.3	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	5.3	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
Heptachlor	ND	5.3	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
Aldrin	ND	5.3	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
beta-BHC	ND	5.3	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
delta-BHC	ND	5.3	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	5.3	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	11	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
p,p'-DDE	ND	11	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
Dieldrin	ND	11	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
Endrin	ND	11	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
Endosulfan II	ND	32	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	32	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	32	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	32	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	32	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	53	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	32	ug/kg dry	021109 0800	021309 0122	MST	EPA 8081A/8082	U, D
Toxaphene	ND	320	ug/kg dry	021109 0800	021309 0153	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	110	ug/kg dry	021109 0800	021309 0153	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xylene		*57.7%*	*30-130*	*021109 0800*	*021309 0153*		*EPA 8081A 8082*	
Surrogate: Decachlorobiphenyl		*109%*	*30-130*	*021109 0800*	*021309 0153*		*EPA 8081A 8082*	

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Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Vinyl chloride	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Bromomethane	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Chloroethane	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
1,1-Dichloroethene	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Acetone	ND	2200	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Carbon disulfide	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Methylene Chloride	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Methyl-tert-Butyl Ether	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
trans-1,2-Dichloroethene	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4,
1,1-Dichloroethane	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
cis-1,2-Dichloroethene	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2200	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Chloroform	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
1,1,1-Trichloroethane	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Carbon Tetrachloride	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Benzene	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
1,2-Dichloroethane	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Trichloroethene	**140**	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, J, D
1,2-Dichloropropane	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Bromodichloromethane	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Methyl Isobutyl Ketone	ND	2200	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
cis-1,3-Dichloropropene	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Toluene	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
trans-1,3-Dichloropropene	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
1,1,2-Trichloroethane	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
1,2-Dibromoethane	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	S4, U, D
Tetrachloroethene	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	U, D
Dibromochloromethane	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	U, D
Chlorobenzene	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	U, D

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-32

09B0125-12 (Soil) Sampled: 02/04/2009 16:55; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Ethylbenzene	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	U, D
m,p-Xylenes	ND	880	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	U, D
o-Xylene	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	U, D
Styrene	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	U, D
Bromoform	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	440	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	U, D
Total Xylenes	ND	1300	ug/kg dry	020409 1655	021809 1627	EMG	EPA 8260B	U, D
Surrogate: Dibromofluoromethane		*78.6%*	*80-120*	*020409 1655*	*021809 1627*		*EPA 8260B*	*S4*
Surrogate: 1,2-Dichloroethane-d4		*78.9%*	*80-120*	*020409 1655*	*021809 1627*		*EPA 8260B*	*S4*
Surrogate: Toluene-d8		*85.5%*	*75-120*	*020409 1655*	*021809 1627*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*85.6%*	*60-149*	*020409 1655*	*021809 1627*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Phenol	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
2-Chlorophenol	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
2-Methylphenol	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Hexachloroethane	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Nitrobenzene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Isophorone	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

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09B0125-12 (Soil) Sampled: 02/04/2009 16:55; Type: Composite

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TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Naphthalene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
4-Chloroaniline	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Hexachlorobutadiene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
2-Methylnaphthalene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
2-Chloronaphthalene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	
Acenaphthylene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	
2,6-Dinitrotoluene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Acenaphthene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	1800	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Dibenzofuran	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Fluorene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Diethylphthalate	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Hexachlorobenzene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Pentachlorophenol	ND	1800	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Phenanthrene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Anthracene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Carbazole	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Di-n-butylphthalate	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Fluoranthene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Pyrene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	710	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Benz(a)anthracene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Chrysene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-32

09B0125-12 (Soil) Sampled: 02/04/2009 16:55; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Benzo[a]pyrene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	350	ug/kg dry	020909 0800	021809 1814	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*89.8%*	*26-118*	*020909 0800*	*021809 1814*		*EPA 8270C*	
Surrogate: Phenol-d5		*99.1%*	*25-135*	*020909 0800*	*021809 1814*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*98.3%*	*41-135*	*020909 0800*	*021809 1814*		*EPA 8270C*	
rogate: 2-Fluorobiphenyl		*103%*	*47-128*	*020909 0800*	*021809 1814*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*93.2%*	*28-130*	*020909 0800*	*021809 1814*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*101%*	*37-128*	*020909 0800*	*021809 1814*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.3	mg/kg	020409 1655	020909 1719	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*81.2%*	*52.9-156*	*020409 1655*	*020909 1719*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	021209 0700	021709 1415	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*102%*	*73-125*	*021209 0700*	*021709 1415*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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SS-32

09B0125-12 (Soil) Sampled: 02/04/2009 16:55; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
Dalapon	0	2000	µg/Kg	021209 0801	021809 0442	MLT	SW8151	
2,4-D	0	2000	µg/Kg	021209 0801	021809 0442	MLT	SW8151	
2,4,5-TP (Silvex)	**0.42**	2000	µg/Kg	021209 0801	021809 0442	MLT	SW8151	
Dinoseb	0	2000	µg/Kg	021209 0801	021809 0442	MLT	SW8151	
Surrogate: Surr: DCAA		*0.8379%*	*10-114*	*021209 0801*	*021809 0442*		*SW8151*	
Pesticides								
Atrazine	0	1000	µg/Kg	021809 0803	021909 0335	MLT	SW8081A	
Alachlor	0	1000	µg/Kg	021809 0803	021909 0335	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*0900900900901%*	*38.2-130*	*021809 0803*	*021909 0335*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*7007007007007%*	*38.1-158*	*021809 0803*	*021909 0335*		*SW8081A*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-35

09B0125-13 (Soil) Sampled: 02/05/2009 10:10; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**85.90**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.26**	0.029	mg/kg dry	020909 0920	021009 1114	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021009 0824	021009 1812	PRM	EPA 6020	D
Aluminum	**15000**	12	mg/kg (dry)	021009 0824	021209 1528	APS	EPA 6010B	D
rsenic	**8.5**	0.99	mg/kg (dry)	021009 0824	021009 1812	PRM	EPA 6020	D
Barium	**120**	0.99	mg/kg (dry)	021009 0824	021009 1812	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1528	APS	EPA 6010B	D
Cadmium	**0.37**	0.0099	mg/kg (dry)	021009 0824	021009 1812	PRM	EPA 6020	B2, D
Chromium	**47**	2.0	mg/kg (dry)	021009 0824	021009 1812	PRM	EPA 6020	D
Copper	**46**	0.99	mg/kg (dry)	021009 0824	021009 1812	PRM	EPA 6020	D
Iron	**27000**	9.9	mg/kg (dry)	021009 0824	021209 1528	APS	EPA 6010B	B2, D, B
Manganese	**310**	0.99	mg/kg (dry)	021009 0824	021009 1812	PRM	EPA 6020	D
Nickel	**21**	0.99	mg/kg (dry)	021009 0824	021009 1812	PRM	EPA 6020	D
Lead	**150**	0.99	mg/kg (dry)	021009 0824	021009 1812	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	021009 0824	021009 1812	PRM	EPA 6020	D
Selenium	ND	0.99	mg/kg (dry)	021009 0824	021009 1812	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021009 0824	021209 1528	APS	EPA 6010B	B3, D
Thallium	ND	0.99	mg/kg (dry)	021009 0824	021009 1812	PRM	EPA 6020	D
Vanadium	**61**	0.99	mg/kg (dry)	021009 0824	021009 1812	PRM	EPA 6020	D
Zinc	**170**	9.9	mg/kg (dry)	021009 0824	021009 1812	PRM	EPA 6020	D

Microbac Laboratories, Inc., Baltimore Division

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SS-35

09B0125-13 (Soil) Sampled: 02/05/2009 10:10; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	5.8	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	5.8	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
Heptachlor	ND	5.8	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
Aldrin	ND	5.8	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
beta-BHC	ND	5.8	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
delta-BHC	ND	5.8	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	5.8	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	12	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
p,p'-DDE	ND	12	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
Dieldrin	ND	12	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	
Endrin	ND	12	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
Endosulfan II	ND	35	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	35	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	35	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	35	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	35	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	58	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	35	ug/kg dry	021109 0800	021309 0225	MST	EPA 8081A/8082	U, D
Toxaphene	ND	350	ug/kg dry	021109 0800	021309 0256	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	120	ug/kg dry	021109 0800	021309 0256	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xylene		*69.9%*	*30-130*	*021109 0800*	*021309 0256*		*EPA 8081A 8082*	
Surrogate: Decachlorobiphenyl		*97.1%*	*30-130*	*021109 0800*	*021309 0256*		*EPA 8081A 8082*	

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Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Vinyl chloride	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Bromomethane	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Chloroethane	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Acetone	ND	2500	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Carbon disulfide	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Methylene Chloride	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
trans-1,2-Dichloroethene	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
1,1-Dichloroethane	**1400**	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	D
cis-1,2-Dichloroethene	**230**	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	J, D
Methyl Ethyl Ketone (2-Butanone)	ND	2500	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Chloroform	**510**	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	D
1,1,1-Trichloroethane	**130**	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	J, D
Carbon Tetrachloride	**250**	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	J, D
Benzene	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Trichloroethene	**1600**	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	D
1,2-Dichloropropane	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2500	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Toluene	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Tetrachloroethene	**2000**	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	D
Dibromochloromethane	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Chlorobenzene	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

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Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-35

09B0125-13 (Soil) Sampled: 02/05/2009 10:10; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Ethylbenzene	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
m,p-Xylenes	ND	990	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
o-Xylene	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Styrene	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Bromoform	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	490	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Total Xylenes	ND	1500	ug/kg dry	020509 1010	021809 1925	EMG	EPA 8260B	U, D
Surrogate: Dibromofluoromethane		*84.4%*	*80-120*	*020509 1010*	*021809 1925*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*84.8%*	*80-120*	*020509 1010*	*021809 1925*		*EPA 8260B*	
Surrogate: Toluene-d8		*81.4%*	*75-120*	*020509 1010*	*021809 1925*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*84.6%*	*60-149*	*020509 1010*	*021809 1925*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Phenol	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
2-Chlorophenol	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
2-Methylphenol	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Hexachloroethane	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Nitrobenzene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Isophorone	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-35

09B0125-13 (Soil) Sampled: 02/05/2009 10:10; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Naphthalene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
4-Chloroaniline	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Hexachlorobutadiene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
2-Methylnaphthalene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
`-Chloronaphthalene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
.cenaphthylene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
2,6-Dinitrotoluene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Acenaphthene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2000	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Dibenzofuran	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Fluorene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Diethylphthalate	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Hexachlorobenzene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Pentachlorophenol	ND	2000	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Phenanthrene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Anthracene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Carbazole	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Di-n-butylphthalate	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Fluoranthene	**800**	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	
Pyrene	**1300**	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	
3,3'-Dichlorobenzidine	ND	780	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Benz(a)anthracene	**520**	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	
Chrysene	**520**	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	
Bis(2-Ethylhexyl)phthalate	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-35

09B0125-13 (Soil) Sampled: 02/05/2009 10:10; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[b]fluoranthene	**590**	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	
Benzo[k]fluoranthene	**500**	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	
Benzo[a]pyrene	**600**	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	
Indeno[1,2,3-cd]pyrene	**390**	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	
Dibenz[a,h]anthracene	ND	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	U
Benzo[g,h,i]perylene	**450**	380	ug/kg dry	020909 0800	021909 2015	MST	EPA 8270C	
Surrogate: 2-Fluorophenol		*90.6%*	*26-118*	*020909 0800*	*021909 2015*		*EPA 8270C*	
Surrogate: Phenol-d5		*100%*	*25-135*	*020909 0800*	*021909 2015*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*96.3%*	*41-135*	*020909 0800*	*021909 2015*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*95.4%*	*47-128*	*020909 0800*	*021909 2015*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*95.9%*	*28-130*	*020909 0800*	*021909 2015*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*157%*	*37-128*	*020909 0800*	*021909 2015*		*EPA 8270C*	*S2*
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.4	mg/kg	020509 1010	020909 1751	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*82.0%*	*52.9-156*	*020509 1010*	*020909 1751*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	**25**	10	mg/kg	021209 0700	021709 1459	MST	EPA 8015B	
Surrogate: n-Pentacosane		*103%*	*73-125*	*021209 0700*	*021709 1459*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-35

09B0125-13 (Soil) Sampled: 02/05/2009 10:10; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
2,4,5-TP (Silvex)	**0.84**	2000	µg/Kg	021209 0801	021809 0516	MLT	SW8151	
Dinoseb	0	2000	µg/Kg	021209 0801	021809 0516	MLT	SW8151	
2,4-D	0	2000	µg/Kg	021209 0801	021809 0516	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021809 0516	MLT	SW8151	
Surrogate: Surr: DCAA		*0.7455%*	*10-114*	*021209 0801*	*021809 0516*		*SW8151*	
Pesticides								
Alachlor	0	1000	µg/Kg	021809 0803	021909 0359	MLT	SW8081A	
trazine	0	1000	µg/Kg	021809 0803	021909 0359	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*1011011011011%*	*38.2-130*	*021809 0803*	*021909 0359*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*0850850850851%*	*38.1-158*	*021809 0803*	*021909 0359*		*SW8081A*	

Microbac Laboratories, Inc., Baltimore Division

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-35

09B0125-14 (Soil) Sampled: 02/05/2009 10:55; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**89.50**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.028	mg/kg dry	020909 0920	021009 1116	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021009 0824	021009 1816	PRM	EPA 6020	D
Aluminum	**12000**	12	mg/kg (dry)	021009 0824	021209 1532	APS	EPA 6010B	D
Arsenic	**2.5**	0.98	mg/kg (dry)	021009 0824	021009 1816	PRM	EPA 6020	
Barium	**37**	0.98	mg/kg (dry)	021009 0824	021009 1816	PRM	EPA 6020	
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1532	APS	EPA 6010B	D
Cadmium	**0.075**	0.0098	mg/kg (dry)	021009 0824	021009 1816	PRM	EPA 6020	B2, D
Chromium	**46**	2.0	mg/kg (dry)	021009 0824	021009 1816	PRM	EPA 6020	D
Copper	**18**	0.98	mg/kg (dry)	021009 0824	021009 1816	PRM	EPA 6020	D
Iron	**26000**	9.8	mg/kg (dry)	021009 0824	021209 1532	APS	EPA 6010B	B2, D, B
Manganese	**160**	0.98	mg/kg (dry)	021009 0824	021009 1816	PRM	EPA 6020	D
Nickel	**17**	0.98	mg/kg (dry)	021009 0824	021009 1816	PRM	EPA 6020	D
Lead	**5.7**	0.98	mg/kg (dry)	021009 0824	021009 1816	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	021009 0824	021009 1816	PRM	EPA 6020	D
Selenium	ND	0.98	mg/kg (dry)	021009 0824	021009 1816	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021009 0824	021209 1532	APS	EPA 6010B	B3, D
Thallium	ND	0.98	mg/kg (dry)	021009 0824	021009 1816	PRM	EPA 6020	D
Vanadium	**53**	0.98	mg/kg (dry)	021009 0824	021009 1816	PRM	EPA 6020	D
Zinc	**28**	9.8	mg/kg (dry)	021009 0824	021009 1816	PRM	EPA 6020	D

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SB-35

09B0125-14 (Soil) Sampled: 02/05/2009 10:55; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Vinyl chloride	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Bromomethane	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Chloroethane	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Acetone	ND	2300	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Carbon disulfide	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Methylene Chloride	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
ans-1,2-Dichloroethene	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
1,1-Dichloroethane	**100**	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	J, D
cis-1,2-Dichloroethene	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2300	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Chloroform	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Benzene	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Trichloroethene	**85**	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	J, D
1,2-Dichloropropane	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2300	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Toluene	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Tetrachloroethene	**140**	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	J, D
Dibromochloromethane	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Chlorobenzene	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

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SB-35

09B0125-14 (Soil) Sampled: 02/05/2009 10:55; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
Ethylbenzene	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
m,p-Xylenes	ND	920	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
o-Xylene	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Styrene	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Bromoform	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	460	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Total Xylenes	ND	1400	ug/kg dry	020509 1055	021809 2001	EMG	EPA 8260B	U, D
Surrogate: Dibromofluoromethane		*89.2%*	*80-120*	*020509 1055*	*021809 2001*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*89.1%*	*80-120*	*020509 1055*	*021809 2001*		*EPA 8260B*	
Surrogate: Toluene-d8		*78.8%*	*75-120*	*020509 1055*	*021809 2001*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*84.4%*	*60-149*	*020509 1055*	*021809 2001*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Chloroethyl)ether	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Phenol	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
2-Chlorophenol	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
2-Methylphenol	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Hexachloroethane	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Nitrobenzene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Isophorone	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-35

09B0125-14 (Soil) Sampled: 02/05/2009 10:55; Type: Composite

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TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Naphthalene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
4-Chloroaniline	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Hexachlorobutadiene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
2-Methylnaphthalene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
2-Chloronaphthalene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
cenaphthylene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
2,6-Dinitrotoluene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Acenaphthene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	1900	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Dibenzofuran	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Fluorene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Diethylphthalate	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Hexachlorobenzene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Pentachlorophenol	ND	1900	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Phenanthrene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Anthracene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Carbazole	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Di-n-butylphthalate	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Fluoranthene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Pyrene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	750	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Benz(a)anthracene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Chrysene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-35

09B0125-14 (Soil) Sampled: 02/05/2009 10:55; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Benzo[a]pyrene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	370	ug/kg dry	020909 0800	021809 1856	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*90.7%*	*26-118*	*020909 0800*	*021809 1856*		*EPA 8270C*	
Surrogate: Phenol-d5		*97.6%*	*25-135*	*020909 0800*	*021809 1856*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*98.0%*	*41-135*	*020909 0800*	*021809 1856*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*99.4%*	*47-128*	*020909 0800*	*021809 1856*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*97.9%*	*28-130*	*020909 0800*	*021809 1856*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*100%*	*37-128*	*020909 0800*	*021809 1856*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.3	mg/kg	020509 1055	020909 1857	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*81.0%*	*52.9-156*	*020509 1055*	*020909 1857*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	021209 0700	021709 1535	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*106%*	*73-125*	*021209 0700*	*021709 1535*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

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SB-35

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Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
Dinoseb	0	2000	µg/Kg	021209 0801	021809 0550	MLT	SW8151	
2,4,5-TP (Silvex)	0	2000	µg/Kg	021209 0801	021809 0550	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021809 0550	MLT	SW8151	
2,4-D	0	2000	µg/Kg	021209 0801	021809 0550	MLT	SW8151	
Surrogate: Surr: DCAA		*0.7539%*	*10-114*	*021209 0801*	*021809 0550*		*SW8151*	
Pesticides								
Atrazine	0	1000	µg/Kg	021809 0803	021909 0424	MLT	SW8081A	
Alachlor	0	1000	µg/Kg	021809 0803	021909 0424	MLT	SW8081A	
rogate: Surr: Tetrachloro-m-xylene		*0750750750751%*	*38.2-130*	*021809 0803*	*021909 0424*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*0%*	*38.1-158*	*021809 0803*	*021909 0424*		*SW8081A*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-36

09B0125-15 (Soil) Sampled: 02/05/2009 11:40; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**94.41**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.039**	0.025	mg/kg dry	020909 0920	021009 1218	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021009 0824	021009 1820	PRM	EPA 6020	D
Aluminum	**7500**	12	mg/kg (dry)	021009 0824	021209 1536	APS	EPA 6010B	D
Arsenic	**3.2**	0.99	mg/kg (dry)	021009 0824	021009 1820	PRM	EPA 6020	D
Barium	**29**	0.99	mg/kg (dry)	021009 0824	021009 1820	PRM	EPA 6020	
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1536	APS	EPA 6010B	D
Cadmium	**0.045**	0.0099	mg/kg (dry)	021009 0824	021009 1820	PRM	EPA 6020	B1, D
Chromium	**67**	2.0	mg/kg (dry)	021009 0824	021009 1820	PRM	EPA 6020	D
Copper	**14**	0.99	mg/kg (dry)	021009 0824	021009 1820	PRM	EPA 6020	D
Iron	**13000**	9.9	mg/kg (dry)	021009 0824	021209 1536	APS	EPA 6010B	B2, D, B
Manganese	**200**	0.99	mg/kg (dry)	021009 0824	021009 1820	PRM	EPA 6020	D
Nickel	**15**	0.99	mg/kg (dry)	021009 0824	021009 1820	PRM	EPA 6020	D
Lead	**45**	0.99	mg/kg (dry)	021009 0824	021009 1820	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	021009 0824	021009 1820	PRM	EPA 6020	D
Selenium	ND	0.99	mg/kg (dry)	021009 0824	021009 1820	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021009 0824	021209 1536	APS	EPA 6010B	B3, D
Thallium	ND	0.99	mg/kg (dry)	021009 0824	021009 1820	PRM	EPA 6020	D
Vanadium	**44**	0.99	mg/kg (dry)	021009 0824	021009 1820	PRM	EPA 6020	D
Zinc	**24**	9.9	mg/kg (dry)	021009 0824	021009 1820	PRM	EPA 6020	D

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Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	5.3	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	5.3	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
Heptachlor	ND	5.3	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
Aldrin	ND	5.3	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
beta-BHC	ND	5.3	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
delta-BHC	ND	5.3	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	5.3	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	11	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
p,p'-DDE	ND	11	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
Dieldrin	ND	11	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
Endrin	ND	11	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
Endosulfan II	ND	32	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	32	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	32	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	32	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	32	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	53	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	32	ug/kg dry	021109 0800	021309 0359	MST	EPA 8081A/8082	U, D
Toxaphene	ND	320	ug/kg dry	021109 0800	021309 0431	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	110	ug/kg dry	021109 0800	021309 0431	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xylene		*37.3%*	*30-130*	*021109 0800*	*021309 0431*		*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl		*101%*	*30-130*	*021109 0800*	*021309 0431*		*EPA 8081A/8082*	

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Vinyl chloride	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Bromomethane	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Chloroethane	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
1,1-Dichloroethene	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Acetone	ND	2300	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Carbon disulfide	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Methylene Chloride	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Methyl-tert-Butyl Ether	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
trans-1,2-Dichloroethene	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1
1,1-Dichloroethane	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U
cis-1,2-Dichloroethene	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2300	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Chloroform	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
1,1,1-Trichloroethane	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Carbon Tetrachloride	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Benzene	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
1,2-Dichloroethane	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Trichloroethene	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
1,2-Dichloropropane	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Bromodichloromethane	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Methyl Isobutyl Ketone	ND	2300	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
cis-1,3-Dichloropropene	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Toluene	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
trans-1,3-Dichloropropene	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
1,1,2-Trichloroethane	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
1,2-Dibromoethane	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Tetrachloroethene	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Dibromochloromethane	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Chlorobenzene	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Ethylbenzene	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-36

09B0125-15 (Soil) Sampled: 02/05/2009 11:40; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylenes	ND	930	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
o-Xylene	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Styrene	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Bromoform	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Isopropylbenzene (Cumene)	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
1,1,2,2-Tetrachloroethane	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
1,2-Dibromo-3-chloropropane	ND	460	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Total Xylenes	ND	1400	ug/kg dry	020509 1140	021909 1212	EMG	EPA 8260B	H1, U, D
Surrogate: Dibromofluoromethane		*102%*	*80-120*	*020509 1140*	*021909 1212*		*EPA 8260B*	
rogate: 1,2-Dichloroethane-d4		*101%*	*80-120*	*020509 1140*	*021909 1212*		*EPA 8260B*	
Surrogate: Toluene-d8		*90.1%*	*75-120*	*020509 1140*	*021909 1212*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*94.1%*	*60-149*	*020509 1140*	*021909 1212*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Chloroethyl)ether	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Phenol	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
2-Chlorophenol	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
2-Methylphenol	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Hexachloroethane	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Nitrobenzene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Isophorone	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
1,2,4-Trichlorobenzene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-36

09B0125-15 (Soil) Sampled: 02/05/2009 11:40; Type: Composite

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TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Naphthalene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
4-Chloroaniline	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Hexachlorobutadiene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
2-Methylnaphthalene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
2-Chloronaphthalene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Acenaphthylene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
2,6-Dinitrotoluene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	
Acenaphthene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	
2,4-Dinitrophenol	ND	1800	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Dibenzofuran	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Fluorene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Diethylphthalate	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Hexachlorobenzene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Pentachlorophenol	ND	1800	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Phenanthrene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Anthracene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Carbazole	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Di-n-butylphthalate	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Fluoranthene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Pyrene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	710	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Benz(a)anthracene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Chrysene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Benzo[k]fluoranthene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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SS-36

09B0125-15 (Soil) Sampled: 02/05/2009 11:40; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[a]pyrene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	350	ug/kg dry	020909 0800	021909 2056	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*89.2%*	*26-118*	*020909 0800*	*021909 2056*		*EPA 8270C*	
Surrogate: Phenol-d5		*95.6%*	*25-135*	*020909 0800*	*021909 2056*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*90.8%*	*41-135*	*020909 0800*	*021909 2056*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*93.0%*	*47-128*	*020909 0800*	*021909 2056*		*EPA 8270C*	
rogate: 2,4,6-Tribromophenol		*87.9%*	*28-130*	*020909 0800*	*021909 2056*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*139%*	*37-128*	*020909 0800*	*021909 2056*		*EPA 8270C*	*S1*
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.5	mg/kg	020509 1140	020909 1929	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*79.6%*	*52.9-156*	*020509 1140*	*020909 1929*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	021209 0700	021709 1611	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*107%*	*73-125*	*021209 0700*	*021709 1611*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	
Microbac, Chicagoland								
Herbicides								
2,4-D	0	2000	µg/Kg	021209 0801	021809 0624	MLT	SW8151	
2,4,5-TP (Silvex)	0	2000	µg/Kg	021209 0801	021809 0624	MLT	SW8151	
Dinoseb	0	2000	µg/Kg	021209 0801	021809 0624	MLT	SW8151	

Microbac Laboratories, Inc., Baltimore Division

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Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
Dalapon	0	2000	µg/Kg	021209 0801	021809 0624	MLT	SW8151	
Surrogate: Surr: DCAA		*1.1277%*	*10-114*	*021209 0801*	*021809 0624*		*SW8151*	
Pesticides								
Alachlor	0	1000	µg/Kg	021809 0803	021909 0448	MLT	SW8081A	
Atrazine	0	1000	µg/Kg	021809 0803	021909 0448	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*0800800800801%*	*38.2-130*	*021809 0803*	*021909 0448*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*5035035035035%*	*38.1-158*	*021809 0803*	*021909 0448*		*SW8081A*	

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-36

09B0125-16 (Soil) Sampled: 02/05/2009 11:55; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**84.53**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.068**	0.029	mg/kg dry	020909 0920	021009 1120	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021009 0824	021009 1823	PRM	EPA 6020	D
Aluminum	**19000**	12	mg/kg (dry)	021009 0824	021209 1547	APS	EPA 6010B	D
Arsenic	**4.8**	0.98	mg/kg (dry)	021009 0824	021009 1823	PRM	EPA 6020	D
Barium	**76**	0.98	mg/kg (dry)	021009 0824	021009 1823	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1547	APS	EPA 6010B	D
Cadmium	**0.14**	0.0098	mg/kg (dry)	021009 0824	021009 1823	PRM	EPA 6020	B2, D
Chromium	**58**	2.0	mg/kg (dry)	021009 0824	021009 1823	PRM	EPA 6020	D
Copper	**30**	0.98	mg/kg (dry)	021009 0824	021009 1823	PRM	EPA 6020	D
Iron	**28000**	9.8	mg/kg (dry)	021009 0824	021209 1547	APS	EPA 6010B	B2, D, B
Manganese	**520**	0.98	mg/kg (dry)	021009 0824	021009 1823	PRM	EPA 6020	D
Nickel	**25**	0.98	mg/kg (dry)	021009 0824	021009 1823	PRM	EPA 6020	D
Lead	**31**	0.98	mg/kg (dry)	021009 0824	021009 1823	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	021009 0824	021009 1823	PRM	EPA 6020	D
Selenium	ND	0.98	mg/kg (dry)	021009 0824	021009 1823	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021009 0824	021209 1547	APS	EPA 6010B	B3, D
Thallium	ND	0.98	mg/kg (dry)	021009 0824	021009 1823	PRM	EPA 6020	D
Vanadium	**74**	0.98	mg/kg (dry)	021009 0824	021009 1823	PRM	EPA 6020	D
Zinc	**58**	9.8	mg/kg (dry)	021009 0824	021009 1823	PRM	EPA 6020	D

Microbac Laboratories, Inc., Baltimore Division

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Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Vinyl chloride	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Bromomethane	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Chloroethane	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Acetone	ND	2500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Carbon disulfide	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Methylene Chloride	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
trans-1,2-Dichloroethene	**520**	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	
1,1-Dichloroethane	**310**	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	J, D
cis-1,2-Dichloroethene	**4200**	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	D
Methyl Ethyl Ketone (2-Butanone)	ND	2500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Chloroform	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Benzene	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Trichloroethene	**2100**	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	D
1,2-Dichloropropane	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Toluene	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Tetrachloroethene	**540**	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	D
Dibromochloromethane	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Chlorobenzene	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Ethylbenzene	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
m,p-Xylenes	ND	1000	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
o-Xylene	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Styrene	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Bromoform	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
Total Xylenes	ND	1500	ug/kg dry	020509 1155	021909 1137	EMG	EPA 8260B	U, D
rogate: Dibromofluoromethane		*101%*	*80-120*	*020509 1155*	*021909 1137*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*100%*	*80-120*	*020509 1155*	*021909 1137*		*EPA 8260B*	
Surrogate: Toluene-d8		*90.8%*	*75-120*	*020509 1155*	*021909 1137*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*95.3%*	*60-149*	*020509 1155*	*021909 1137*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Phenol	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
2-Chlorophenol	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
2-Methylphenol	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Hexachloroethane	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Nitrobenzene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Isophorone	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-36

09B0125-16 (Soil) Sampled: 02/05/2009 11:55; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Naphthalene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
4-Chloroaniline	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Hexachlorobutadiene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
2-Methylnaphthalene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
2-Chloronaphthalene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Acenaphthylene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	
2,6-Dinitrotoluene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	
Acenaphthene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2000	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Dibenzofuran	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Fluorene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Diethylphthalate	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Hexachlorobenzene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Pentachlorophenol	ND	2000	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Phenanthrene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Anthracene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Carbazole	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Di-n-butylphthalate	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Fluoranthene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Pyrene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	790	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Benz(a)anthracene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Chrysene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-36

09B0125-16 (Soil) Sampled: 02/05/2009 11:55; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Benzo[a]pyrene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	390	ug/kg dry	020909 0800	021909 1319	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*88.6%*	*26-118*	*020909 0800*	*021909 1319*		*EPA 8270C*	
Surrogate: Phenol-d5		*95.6%*	*25-135*	*020909 0800*	*021909 1319*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*91.8%*	*41-135*	*020909 0800*	*021909 1319*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*92.6%*	*47-128*	*020909 0800*	*021909 1319*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*92.4%*	*28-130*	*020909 0800*	*021909 1319*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*104%*	*37-128*	*020909 0800*	*021909 1319*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.4	mg/kg	020509 1155	020909 2002	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*82.0%*	*52.9-156*	*020509 1155*	*020909 2002*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	021209 0700	021709 1645	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*108%*	*73-125*	*021209 0700*	*021709 1645*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

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SB-36

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Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
2,4,5-TP (Silvex)	0	2000	µg/Kg	021209 0801	021809 0659	MLT	SW8151	
2,4-D	**1200**	2000	µg/Kg	021209 0801	021809 0659	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021809 0659	MLT	SW8151	
Dinoseb	0	2000	µg/Kg	021209 0801	021809 0659	MLT	SW8151	
Surrogate: Surr: DCAA		*1.47%*	*10-114*	*021209 0801*	*021809 0659*		*SW8151*	
Pesticides								
Atrazine	0	1000	µg/Kg	021809 0803	021909 1111	MLT	SW8081A	
Alachlor	0	1000	µg/Kg	021809 0803	021909 1111	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene	*0800800800801%*		*38.2-130*	*021809 0803*	*021909 1111*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl	*0800800800801%*		*38.1-158*	*021809 0803*	*021909 1111*		*SW8081A*	

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Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-37

09B0125-17 (Soil) Sampled: 02/04/2009 11:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**90.75**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.056**	0.026	mg/kg dry	020909 0920	021009 1122	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021009 0824	021009 1827	PRM	EPA 6020	D
Aluminum	**6800**	12	mg/kg (dry)	021009 0824	021209 1551	APS	EPA 6010B	D
Arsenic	**13**	0.99	mg/kg (dry)	021009 0824	021009 1827	PRM	EPA 6020	D
Barium	**34**	0.99	mg/kg (dry)	021009 0824	021009 1827	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1551	APS	EPA 6010B	D
Cadmium	**0.43**	0.0099	mg/kg (dry)	021009 0824	021009 1827	PRM	EPA 6020	B2, D
Chromium	**35**	2.0	mg/kg (dry)	021009 0824	021009 1827	PRM	EPA 6020	D
Copper	**19**	0.99	mg/kg (dry)	021009 0824	021009 1827	PRM	EPA 6020	D
Iron	**11000**	9.9	mg/kg (dry)	021009 0824	021209 1551	APS	EPA 6010B	B2, D, B
Manganese	**220**	0.99	mg/kg (dry)	021009 0824	021009 1827	PRM	EPA 6020	D
Nickel	**11**	0.99	mg/kg (dry)	021009 0824	021009 1827	PRM	EPA 6020	D
Lead	**43**	0.99	mg/kg (dry)	021009 0824	021009 1827	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	021009 0824	021009 1827	PRM	EPA 6020	D
Selenium	ND	0.99	mg/kg (dry)	021009 0824	021009 1827	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021009 0824	021209 1551	APS	EPA 6010B	B3, D
Thallium	ND	0.99	mg/kg (dry)	021009 0824	021009 1827	PRM	EPA 6020	D
Vanadium	**29**	0.99	mg/kg (dry)	021009 0824	021009 1827	PRM	EPA 6020	D
Zinc	**43**	9.9	mg/kg (dry)	021009 0824	021009 1827	PRM	EPA 6020	D

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-37

09B0125-17 (Soil) Sampled: 02/04/2009 11:00; Type: Composite

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Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	5.5	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	5.5	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
Heptachlor	ND	5.5	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
Aldrin	ND	5.5	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
beta-BHC	ND	5.5	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
delta-BHC	ND	5.5	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	5.5	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	11	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
p,p'-DDE	ND	11	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
Dieldrin	ND	11	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	
Endrin	ND	11	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	
Endosulfan II	ND	33	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	33	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	33	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	33	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	33	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	55	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	33	ug/kg dry	021109 0800	021309 0503	MST	EPA 8081A/8082	U, D
Toxaphene	ND	330	ug/kg dry	021109 0800	021309 0534	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	110	ug/kg dry	021109 0800	021309 0534	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xylene		*62.8%*	*30-130*	*021109 0800*	*021309 0534*		*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl		*102%*	*30-130*	*021109 0800*	*021309 0534*		*EPA 8081A/8082*	

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Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Vinyl chloride	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Bromomethane	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Chloroethane	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Acetone	ND	3400	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Carbon disulfide	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Methylene Chloride	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
trans-1,2-Dichloroethene	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
1,1-Dichloroethane	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Methyl Ethyl Ketone (2-Butanone)	ND	3400	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Chloroform	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Benzene	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Trichloroethene	**240**	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	J, D
1,2-Dichloropropane	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	3400	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Toluene	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Tetrachloroethene	**410**	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	J, D
Dibromochloromethane	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Chlorobenzene	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D

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SS-37

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Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Ethylbenzene	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
m,p-Xylenes	ND	1300	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
o-Xylene	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Styrene	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Bromoform	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	670	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Total Xylenes	ND	2000	ug/kg dry	020409 1100	021809 1050	EMG	EPA 8260B	U, D
Surrogate: Dibromofluoromethane		*95.3%*	*80-120*	*020409 1100*	*021809 1050*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*92.9%*	*80-120*	*020409 1100*	*021809 1050*		*EPA 8260B*	
Surrogate: Toluene-d8		*78.2%*	*75-120*	*020409 1100*	*021809 1050*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*76.2%*	*60-149*	*020409 1100*	*021809 1050*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Phenol	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
2-Chlorophenol	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
2-Methylphenol	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Hexachloroethane	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Nitrobenzene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Isophorone	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-37

09B0125-17 (Soil) Sampled: 02/04/2009 11:00; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Naphthalene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
4-Chloroaniline	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Hexachlorobutadiene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
2-Methylnaphthalene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
2-Chloronaphthalene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
cenaphthylene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
4,6-Dinitrotoluene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Acenaphthene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	1900	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Dibenzofuran	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Fluorene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Diethylphthalate	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Hexachlorobenzene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Pentachlorophenol	ND	1900	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Phenanthrene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Anthracene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Carbazole	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Di-n-butylphthalate	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Fluoranthene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Pyrene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	740	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Benz(a)anthracene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Chrysene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-37

09B0125-17 (Soil) Sampled: 02/04/2009 11:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Benzo[a]pyrene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	360	ug/kg dry	020909 0800	021909 1401	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*84.9%*	*26-118*	*020909 0800*	*021909 1401*		*EPA 8270C*	
Surrogate: Phenol-d5		*91.2%*	*25-135*	*020909 0800*	*021909 1401*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*87.7%*	*41-135*	*020909 0800*	*021909 1401*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*88.3%*	*47-128*	*020909 0800*	*021909 1401*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*88.7%*	*28-130*	*020909 0800*	*021909 1401*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*90.8%*	*37-128*	*020909 0800*	*021909 1401*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	4.9	mg/kg	020409 1100	020909 2035	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*80.9%*	*52.9-156*	*020409 1100*	*020909 2035*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	021209 0700	021809 1136	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*102%*	*73-125*	*021209 0700*	*021809 1136*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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SS-37

09B0125-17 (Soil) Sampled: 02/04/2009 11:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
2,4,5-TP (Silvex)	0	2000	µg/Kg	021209 0801	021809 0732	MLT	SW8151	
Dinoseb	0	2000	µg/Kg	021209 0801	021809 0732	MLT	SW8151	
2,4-D	0	2000	µg/Kg	021209 0801	021809 0732	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021809 0732	MLT	SW8151	
Surrogate: Surr: DCAA		*0.8568%*	*10-114*	*021209 0801*	*021809 0732*		*SW8151*	
Pesticides								
Atrazine	0	1000	µg/Kg	021809 0803	021909 1135	MLT	SW8081A	
Alachlor	0	1000	µg/Kg	021809 0803	021909 1135	MLT	SW8081A	
rogate: Surr: Tetrachloro-m-xylene		*0800800800801%*	*38.2-130*	*021809 0803*	*021909 1135*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*1.001001001001%*	*38.1-158*	*021809 0803*	*021909 1135*		*SW8081A*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-37

09B0125-18 (Soil) Sampled: 02/04/2009 11:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**83.99**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.055**	0.029	mg/kg dry	020909 0920	021009 1124	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021009 0824	021009 1831	PRM	EPA 6020	D
Aluminum	**19000**	12	mg/kg (dry)	021009 0824	021209 1555	APS	EPA 6010B	D
Arsenic	**7.5**	0.98	mg/kg (dry)	021009 0824	021009 1831	PRM	EPA 6020	D
Barium	**57**	0.98	mg/kg (dry)	021009 0824	021009 1831	PRM	EPA 6020	
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1555	APS	EPA 6010B	D
Cadmium	**0.054**	0.0098	mg/kg (dry)	021009 0824	021009 1831	PRM	EPA 6020	B2, D
Chromium	**49**	2.0	mg/kg (dry)	021009 0824	021009 1831	PRM	EPA 6020	D
Copper	**13**	0.98	mg/kg (dry)	021009 0824	021009 1831	PRM	EPA 6020	D
Iron	**21000**	9.8	mg/kg (dry)	021009 0824	021209 1555	APS	EPA 6010B	B2, D, B
Manganese	**75**	0.98	mg/kg (dry)	021009 0824	021009 1831	PRM	EPA 6020	D
Nickel	**11**	0.98	mg/kg (dry)	021009 0824	021009 1831	PRM	EPA 6020	D
Lead	**17**	0.98	mg/kg (dry)	021009 0824	021009 1831	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	021009 0824	021009 1831	PRM	EPA 6020	D
Selenium	ND	0.98	mg/kg (dry)	021009 0824	021009 1831	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021009 0824	021209 1555	APS	EPA 6010B	B3, D
Thallium	ND	0.98	mg/kg (dry)	021009 0824	021009 1831	PRM	EPA 6020	D
Vanadium	**57**	0.98	mg/kg (dry)	021009 0824	021009 1831	PRM	EPA 6020	D
Zinc	**35**	9.8	mg/kg (dry)	021009 0824	021009 1831	PRM	EPA 6020	D

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-37

09B0125-18 (Soil) Sampled: 02/04/2009 11:00; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Vinyl chloride	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Bromomethane	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Chloroethane	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
1,1-Dichloroethene	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Acetone	ND	2800	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Carbon disulfide	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Methylene Chloride	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Methyl-tert-Butyl Ether	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
trans-1,2-Dichloroethene	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
1,1-Dichloroethane	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
cis-1,2-Dichloroethene	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2800	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Chloroform	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
1,1,1-Trichloroethane	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Carbon Tetrachloride	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Benzene	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
1,2-Dichloroethane	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Trichloroethene	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
1,2-Dichloropropane	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Bromodichloromethane	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Methyl Isobutyl Ketone	ND	2800	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
cis-1,3-Dichloropropene	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Toluene	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
trans-1,3-Dichloropropene	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
1,1,2-Trichloroethane	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
1,2-Dibromoethane	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Tetrachloroethene	**87**	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, J, D
Dibromochloromethane	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Chlorobenzene	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D

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SB-37

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Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Volatile Organic Compounds by EPA Method 8260B								
Ethylbenzene	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
m,p-Xylenes	ND	1100	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
o-Xylene	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Styrene	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Bromoform	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Isopropylbenzene (Cumene)	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
1,1,2,2-Tetrachloroethane	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
1,2-Dibromo-3-chloropropane	ND	560	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Total Xylenes	ND	1700	ug/kg dry	020409 1100	021809 1126	EMG	EPA 8260B	HI, U, D
Surrogate: Dibromofluoromethane		*87.1%*	*80-120*	*020409 1100*	*021809 1126*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*88.1%*	*80-120*	*020409 1100*	*021809 1126*		*EPA 8260B*	
Surrogate: Toluene-d8		*79.4%*	*75-120*	*020409 1100*	*021809 1126*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*84.6%*	*60-149*	*020409 1100*	*021809 1126*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Chloroethyl)ether	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Phenol	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
2-Chlorophenol	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
2-Methylphenol	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Hexachloroethane	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Nitrobenzene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Isophorone	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-37

09B0125-18 (Soil) Sampled: 02/04/2009 11:00; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Naphthalene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
4-Chloroaniline	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Hexachlorobutadiene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
2-Methylnaphthalene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
-Chloronaphthalene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
.cenaphthylene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
2,6-Dinitrotoluene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Acenaphthene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2000	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Dibenzofuran	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Fluorene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Diethylphthalate	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Hexachlorobenzene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Pentachlorophenol	ND	2000	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Phenanthrene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Anthracene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Carbazole	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Di-n-butylphthalate	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Fluoranthene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Pyrene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	800	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Benz(a)anthracene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Chrysene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U

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Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-37

09B0125-18 (Soil) Sampled: 02/04/2009 11:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Benzo[a]pyrene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	390	ug/kg dry	020909 0800	021909 1442	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*97.0%*	*26-118*	*020909 0800*	*021909 1442*		*EPA 8270C*	
Surrogate: Phenol-d5		*105%*	*25-135*	*020909 0800*	*021909 1442*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*97.2%*	*41-135*	*020909 0800*	*021909 1442*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*99.7%*	*47-128*	*020909 0800*	*021909 1442*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*95.5%*	*28-130*	*020909 0800*	*021909 1442*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*100%*	*37-128*	*020909 0800*	*021909 1442*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.7	mg/kg	020409 1100	020909 2107	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*81.7%*	*52.9-156*	*020409 1100*	*020909 2107*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	021209 0700	021809 1210	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*106%*	*73-125*	*021209 0700*	*021809 1210*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

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SB-37

09B0125-18 (Soil) Sampled: 02/04/2009 11:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
Dalapon	0	2000	µg/Kg	021209 0801	021809 0806	MLT	SW8151	
2,4-D	0	2000	µg/Kg	021209 0801	021809 0806	MLT	SW8151	
Dinoseb	0	2000	µg/Kg	021209 0801	021809 0806	MLT	SW8151	
2,4,5-TP (Silvex)	**0.63**	2000	µg/Kg	021209 0801	021809 0806	MLT	SW8151	
Surrogate: Surr: DCAA		*0.8358%*	*10-114*	*021209 0801*	*021809 0806*		*SW8151*	
Pesticides								
Atrazine	0	1000	µg/Kg	021809 0803	021909 1159	MLT	SW8081A	
lachlor	0	1000	µg/Kg	021809 0803	021909 1159	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*0950950950951%*	*38.2-130*	*021809 0803*	*021909 1159*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*500500500500 5%*	*38.1-158*	*021809 0803*	*021909 1159*		*SW8081A*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-38

09B0125-19 (Soil) Sampled: 02/04/2009 17:30; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**87.56**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.067**	0.028	mg/kg dry	020909 0920	021009 1127	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021009 0824	021009 1835	PRM	EPA 6020	D
Aluminum	**17000**	12	mg/kg (dry)	021009 0824	021209 1559	APS	EPA 6010B	D
Arsenic	**2.3**	0.98	mg/kg (dry)	021009 0824	021009 1835	PRM	EPA 6020	
Barium	**30**	0.98	mg/kg (dry)	021009 0824	021009 1835	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1559	APS	EPA 6010B	D
Cadmium	**0.13**	0.0098	mg/kg (dry)	021009 0824	021009 1835	PRM	EPA 6020	B2, D
Chromium	**95**	2.0	mg/kg (dry)	021009 0824	021009 1835	PRM	EPA 6020	D
Copper	**28**	0.98	mg/kg (dry)	021009 0824	021009 1835	PRM	EPA 6020	D
Iron	**18000**	9.8	mg/kg (dry)	021009 0824	021209 1559	APS	EPA 6010B	B2, D, B
Manganese	**390**	0.98	mg/kg (dry)	021009 0824	021009 1835	PRM	EPA 6020	D
Nickel	**24**	0.98	mg/kg (dry)	021009 0824	021009 1835	PRM	EPA 6020	D
Lead	**15**	0.98	mg/kg (dry)	021009 0824	021009 1835	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	021009 0824	021009 1835	PRM	EPA 6020	D
Selenium	ND	0.98	mg/kg (dry)	021009 0824	021009 1835	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021009 0824	021209 1559	APS	EPA 6010B	B3, D
Thallium	ND	0.98	mg/kg (dry)	021009 0824	021009 1835	PRM	EPA 6020	D
Vanadium	**100**	0.98	mg/kg (dry)	021009 0824	021009 1835	PRM	EPA 6020	D
Zinc	**95**	9.8	mg/kg (dry)	021009 0824	021009 1835	PRM	EPA 6020	D

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SS-38

09B0125-19 (Soil) Sampled: 02/04/2009 17:30; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	5.7	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	5.7	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
Heptachlor	ND	5.7	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
Aldrin	ND	5.7	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
beta-BHC	ND	5.7	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
delta-BHC	ND	5.7	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	5.7	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	11	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
p'-DDE	ND	11	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
Dieldrin	ND	11	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
Endrin	ND	11	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
Endosulfan II	ND	34	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	34	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	34	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	34	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	34	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	57	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	34	ug/kg dry	021109 0800	021309 0606	MST	EPA 8081A/8082	U, D
Toxaphene	ND	340	ug/kg dry	021109 0800	021309 0637	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	110	ug/kg dry	021109 0800	021309 0637	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xylene		*59.3%*	*30-130*	*021109 0800*	*021309 0637*		*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl		*98.9%*	*30-130*	*021109 0800*	*021309 0637*		*EPA 8081A/8082*	

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Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Vinyl chloride	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Bromomethane	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Chloroethane	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
1,1-Dichloroethene	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Acetone	ND	2200	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Carbon disulfide	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Methylene Chloride	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Methyl-tert-Butyl Ether	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
trans-1,2-Dichloroethene	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1
1,1-Dichloroethane	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
cis-1,2-Dichloroethene	**83**	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, J, D
Methyl Ethyl Ketone (2-Butanone)	ND	2200	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Chloroform	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
1,1,1-Trichloroethane	**260**	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, J, D
Carbon Tetrachloride	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Benzene	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
1,2-Dichloroethane	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Trichloroethene	**17000**	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, D
1,2-Dichloropropane	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Bromodichloromethane	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Methyl Isobutyl Ketone	ND	2200	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
cis-1,3-Dichloropropene	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Toluene	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
trans-1,3-Dichloropropene	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
1,1,2-Trichloroethane	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
1,2-Dibromoethane	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Tetrachloroethene	**120**	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, J, D
Dibromochloromethane	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D
Chlorobenzene	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	H1, U, D

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Ethylbenzene	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	HI, U, D
m,p-Xylenes	ND	900	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	HI, U, D
o-Xylene	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	HI, U, D
Styrene	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	HI, U, D
Bromoform	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	HI, U, D
Isopropylbenzene (Cumene)	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	HI, U, D
1,1,2,2-Tetrachloroethane	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	HI, U, D
1,2-Dibromo-3-chloropropane	ND	450	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	HI, U, D
Total Xylenes	ND	1300	ug/kg dry	020409 1730	021809 1739	EMG	EPA 8260B	HI, U, D
rrogate: Dibromofluoromethane		*86.6%*	*80-120*	*020409 1730*	*021809 1739*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*86.2%*	*80-120*	*020409 1730*	*021809 1739*		*EPA 8260B*	
Surrogate: Toluene-d8		*81.0%*	*75-120*	*020409 1730*	*021809 1739*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*84.2%*	*60-149*	*020409 1730*	*021809 1739*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Phenol	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
2-Chlorophenol	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
2-Methylphenol	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Hexachloroethane	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Nitrobenzene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Isophorone	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-38

09B0125-19 (Soil) Sampled: 02/04/2009 17:30; Type: Composite

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TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Naphthalene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
4-Chloroaniline	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Hexachlorobutadiene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
2-Methylnaphthalene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
2-Chloronaphthalene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	
Acenaphthylene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	
2,6-Dinitrotoluene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Acenaphthene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	1900	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Dibenzofuran	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Fluorene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Diethylphthalate	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Hexachlorobenzene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Pentachlorophenol	ND	1900	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Phenanthrene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Anthracene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Carbazole	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Di-n-butylphthalate	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Fluoranthene	**460**	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	
Pyrene	**500**	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	
3,3'-Dichlorobenzidine	ND	770	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Benz(a)anthracene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Chrysene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U

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Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-38

09B0125-19 (Soil) Sampled: 02/04/2009 17:30; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[b]fluoranthene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Benzo[k]fluoranthene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Benzo[a]pyrene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	380	ug/kg dry	020909 0800	021909 1524	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*90.6%*	*26-118*	*020909 0800*	*021909 1524*		*EPA 8270C*	
Surrogate: Phenol-d5		*98.8%*	*25-135*	*020909 0800*	*021909 1524*		*EPA 8270C*	
rogate: Nitrobenzene-d5		*93.5%*	*41-135*	*020909 0800*	*021909 1524*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*96.3%*	*47-128*	*020909 0800*	*021909 1524*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*93.8%*	*28-130*	*020909 0800*	*021909 1524*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*117%*	*37-128*	*020909 0800*	*021909 1524*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	**4.2**	3.1	mg/kg	020409 1730	020909 2140	EMG	EPA 8015B	D
Surrogate: a,a,a-Trifluorotoluene		*89.2%*	*52.9-156*	*020409 1730*	*020909 2140*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	021209 0700	021809 1254	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*106%*	*73-125*	*021209 0700*	*021809 1254*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-38

09B0125-19 (Soil) Sampled: 02/04/2009 17:30; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
Dinoseb	0	2000	µg/Kg	021209 0801	021809 1055	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021809 1055	MLT	SW8151	
2,4,5-TP (Silvex)	**0.63**	2000	µg/Kg	021209 0801	021809 1055	MLT	SW8151	
2,4-D	**9.9**	2000	µg/Kg	021209 0801	021809 1055	MLT	SW8151	
Surrogate: Surr: DCAA		*2.2869%*	*10-114*	*021209 0801*	*021809 1055*		*SW8151*	
Pesticides								
Atrazine	0	1000	µg/Kg	021809 0803	021909 1224	MLT	SW8081A	
Alachlor	0	1000	µg/Kg	021809 0803	021909 1224	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*0950950950951%*	*38.2-130*	*021809 0803*	*021909 1224*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*0900900900901%*	*38.1-158*	*021809 0803*	*021909 1224*		*SW8081A*	

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-38

09B0125-20 (Soil) Sampled: 02/04/2009 17:30; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**80.96**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.030	mg/kg dry	020909 0920	021009 1129	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	**15**	1.9	mg/kg (dry)	021009 0824	021009 1838	PRM	EPA 6020	D
Aluminum	**7200**	12	mg/kg (dry)	021009 0824	021209 1603	APS	EPA 6010B	D
Arsenic	**4200**	0.97	mg/kg (dry)	021009 0824	021009 1838	PRM	EPA 6020	D
Barium	**230**	0.97	mg/kg (dry)	021009 0824	021009 1838	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1603	APS	EPA 6010B	D
Cadmium	**140**	0.0097	mg/kg (dry)	021009 0824	021009 1838	PRM	EPA 6020	B2, D
Chromium	**3200**	1.9	mg/kg (dry)	021009 0824	021009 1838	PRM	EPA 6020	D
Copper	**45**	0.97	mg/kg (dry)	021009 0824	021009 1838	PRM	EPA 6020	D
Iron	**13000**	9.7	mg/kg (dry)	021009 0824	021209 1603	APS	EPA 6010B	B2, D, B
Manganese	**1000**	0.97	mg/kg (dry)	021009 0824	021009 1838	PRM	EPA 6020	D
Nickel	**34**	0.97	mg/kg (dry)	021009 0824	021009 1838	PRM	EPA 6020	D
Lead	**140**	0.97	mg/kg (dry)	021009 0824	021009 1838	PRM	EPA 6020	D
Antimony	**150**	1.9	mg/kg (dry)	021009 0824	021009 1838	PRM	EPA 6020	D
Selenium	ND	0.97	mg/kg (dry)	021009 0824	021009 1838	PRM	EPA 6020	D
Tin	ND	19	mg/kg (dry)	021009 0824	021209 1603	APS	EPA 6010B	B3, D
Thallium	**200**	0.97	mg/kg (dry)	021009 0824	021009 1838	PRM	EPA 6020	D
Vanadium	**1500**	0.97	mg/kg (dry)	021009 0824	021009 1838	PRM	EPA 6020	D
Zinc	**350**	9.7	mg/kg (dry)	021009 0824	021009 1838	PRM	EPA 6020	D

Microbac Laboratories, Inc., Baltimore Division

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-38

09B0125-20 (Soil) Sampled: 02/04/2009 17:30; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Vinyl chloride	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Bromomethane	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Chloroethane	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
1,1-Dichloroethene	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Acetone	ND	2400	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Carbon disulfide	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Methylene Chloride	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Methyl-tert-Butyl Ether	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
trans-1,2-Dichloroethene	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1
1,1-Dichloroethane	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
cis-1,2-Dichloroethene	**5000**	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, D
Methyl Ethyl Ketone (2-Butanone)	ND	2400	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Chloroform	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
1,1,1-Trichloroethane	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Carbon Tetrachloride	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Benzene	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
1,2-Dichloroethane	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Trichloroethene	**4800**	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, D
1,2-Dichloropropane	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Bromodichloromethane	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Methyl Isobutyl Ketone	ND	2400	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
cis-1,3-Dichloropropene	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Toluene	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
trans-1,3-Dichloropropene	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
1,1,2-Trichloroethane	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
1,2-Dibromoethane	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Tetrachloroethene	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Dibromochloromethane	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Chlorobenzene	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D

Microbac Laboratories, Inc., Baltimore Division

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Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-38

09B0125-20 (Soil) Sampled: 02/04/2009 17:30; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Ethylbenzene	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
m,p-Xylenes	ND	970	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
o-Xylene	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Styrene	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Bromoform	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Isopropylbenzene (Cumene)	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
1,1,2,2-Tetrachloroethane	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
1,2-Dibromo-3-chloropropane	ND	490	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
Total Xylenes	ND	1500	ug/kg dry	020409 1730	021809 1815	EMG	EPA 8260B	H1, U, D
rrogate: Dibromofluoromethane		*89.5%*	*80-120*	*020409 1730*	*021809 1815*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*89.7%*	*80-120*	*020409 1730*	*021809 1815*		*EPA 8260B*	
Surrogate: Toluene-d8		*80.1%*	*75-120*	*020409 1730*	*021809 1815*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*82.9%*	*60-149*	*020409 1730*	*021809 1815*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Phenol	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
2-Chlorophenol	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
2-Methylphenol	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Hexachloroethane	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Nitrobenzene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Isophorone	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-38

09B0125-20 (Soil) Sampled: 02/04/2009 17:30; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Naphthalene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
4-Chloroaniline	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Hexachlorobutadiene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
2-Methylnaphthalene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
2-Chloronaphthalene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	
Acenaphthylene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	
2,6-Dinitrotoluene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Acenaphthene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2100	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Dibenzofuran	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Fluorene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Diethylphthalate	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Hexachlorobenzene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Pentachlorophenol	ND	2100	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Phenanthrene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Anthracene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Carbazole	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Di-n-butylphthalate	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Fluoranthene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Pyrene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	830	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Benz(a)anthracene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Chrysene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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Baltimore Division

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-38

09B0125-20 (Soil) Sampled: 02/04/2009 17:30; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Benzo[a]pyrene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	410	ug/kg dry	020909 0800	021909 1647	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*92.7%*	*26-118*	*020909 0800*	*021909 1647*		*EPA 8270C*	
Surrogate: Phenol-d5		*101%*	*25-135*	*020909 0800*	*021909 1647*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*94.2%*	*41-135*	*020909 0800*	*021909 1647*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*96.0%*	*47-128*	*020909 0800*	*021909 1647*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*96.7%*	*28-130*	*020909 0800*	*021909 1647*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*125%*	*37-128*	*020909 0800*	*021909 1647*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.1	mg/kg	020409 1730	020909 2212	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*84.3%*	*52.9-156*	*020409 1730*	*020909 2212*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	021209 0700	021909 0709	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*104%*	*73-125*	*021209 0700*	*021909 0709*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-38

09B0125-20 (Soil) Sampled: 02/04/2009 17:30; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
Dinoseb	0	2000	µg/Kg	021209 0801	021809 1128	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021809 1128	MLT	SW8151	
2,4,5-TP (Silvex)	**0.63**	2000	µg/Kg	021209 0801	021809 1128	MLT	SW8151	
2,4-D	0	2000	µg/Kg	021209 0801	021809 1128	MLT	SW8151	
Surrogate: Surr: DCAA		*1.05%*	*10-114*	*021209 0801*	*021809 1128*		*SW8151*	
Pesticides								
Alachlor	0	1000	µg/Kg	021809 0803	021909 1834	MLT	SW8081A	
Atrazine	0	1000	µg/Kg	021809 0803	021909 1834	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*0750750750751%*	*38.2-130*	*021809 0803*	*021909 1834*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*0750750750751%*	*38.1-158*	*021809 0803*	*021909 1834*		*SW8081A*	

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CERTIFICATE OF ANALYSIS

KCI Technologies 936 Ridgebrook Road Sparks, MD 21152	Project: Gateway South Project Number: Gateway South Project Manager: Dennis Coyle	Report: 09B0125 Reported: 03/17/2009 12:57

SS-Dup02

09B0125-21 (Soil) Sampled: 02/04/2009 00:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**89.67**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.046**	0.028	mg/kg dry	020909 0920	021009 1142	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	1.9	mg/kg (dry)	021009 0824	021009 1842	PRM	EPA 6020	D
Aluminum	**7500**	12	mg/kg (dry)	021009 0824	021209 1607	APS	EPA 6010B	D
rsenic	**5.5**	0.95	mg/kg (dry)	021009 0824	021009 1842	PRM	EPA 6020	D
Barium	**30**	0.95	mg/kg (dry)	021009 0824	021009 1842	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1607	APS	EPA 6010B	D
Cadmium	**0.10**	0.0095	mg/kg (dry)	021009 0824	021009 1842	PRM	EPA 6020	B2, D
Chromium	**36**	1.9	mg/kg (dry)	021009 0824	021009 1842	PRM	EPA 6020	D
Copper	**14**	0.95	mg/kg (dry)	021009 0824	021009 1842	PRM	EPA 6020	D
Iron	**16000**	9.5	mg/kg (dry)	021009 0824	021209 1607	APS	EPA 6010B	B2, D, B
Manganese	**160**	0.95	mg/kg (dry)	021009 0824	021009 1842	PRM	EPA 6020	D
Nickel	**9.7**	0.95	mg/kg (dry)	021009 0824	021009 1842	PRM	EPA 6020	D
Lead	**27**	0.95	mg/kg (dry)	021009 0824	021009 1842	PRM	EPA 6020	D
Antimony	ND	1.9	mg/kg (dry)	021009 0824	021009 1842	PRM	EPA 6020	D
Selenium	ND	0.95	mg/kg (dry)	021009 0824	021009 1842	PRM	EPA 6020	D
Tin	ND	19	mg/kg (dry)	021009 0824	021209 1607	APS	EPA 6010B	B3, D
Thallium	ND	0.95	mg/kg (dry)	021009 0824	021009 1842	PRM	EPA 6020	D
Vanadium	**48**	0.95	mg/kg (dry)	021009 0824	021009 1842	PRM	EPA 6020	D
Zinc	**39**	9.5	mg/kg (dry)	021009 0824	021009 1842	PRM	EPA 6020	D

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-Dup02

09B0125-21 (Soil) Sampled: 02/04/2009 00:00; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	5.6	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	5.6	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
Heptachlor	ND	5.6	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
Aldrin	ND	5.6	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
beta-BHC	ND	5.6	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
delta-BHC	ND	5.6	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	5.6	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	11	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
p,p'-DDE	ND	11	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	
Dieldrin	ND	11	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	
Endrin	ND	11	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
Endosulfan II	ND	33	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	33	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	33	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	33	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	33	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	56	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	33	ug/kg dry	021109 0800	021309 0709	MST	EPA 8081A/8082	U, D
Toxaphene	ND	330	ug/kg dry	021109 0800	021309 0741	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	110	ug/kg dry	021109 0800	021309 0741	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xylene		*44.7%*	*30-130*	*021109 0800*	*021309 0741*		*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl		*97.7%*	*30-130*	*021109 0800*	*021309 0741*		*EPA 8081A/8082*	

Microbac Laboratories, Inc., Baltimore Division

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SS-Dup02

09B0125-21 (Soil) Sampled: 02/04/2009 00:00; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Vinyl chloride	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Bromomethane	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Chloroethane	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
1,1-Dichloroethene	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Acetone	ND	2400	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Carbon disulfide	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Methylene Chloride	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Methyl-tert-Butyl Ether	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
ans-1,2-Dichloroethene	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
1,1-Dichloroethane	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
cis-1,2-Dichloroethene	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2400	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Chloroform	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
1,1,1-Trichloroethane	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Carbon Tetrachloride	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Benzene	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
1,2-Dichloroethane	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Trichloroethene	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
1,2-Dichloropropane	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Bromodichloromethane	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Methyl Isobutyl Ketone	ND	2400	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
cis-1,3-Dichloropropene	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Toluene	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
trans-1,3-Dichloropropene	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
1,1,2-Trichloroethane	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
1,2-Dibromoethane	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Tetrachloroethene	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Dibromochloromethane	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Chlorobenzene	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Ethylbenzene	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D

Microbac Laboratories, Inc., Baltimore Division

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Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-Dup02

09B0125-21 (Soil) Sampled: 02/04/2009 00:00; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
m,p-Xylenes	ND	950	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
o-Xylene	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Styrene	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Bromoform	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Isopropylbenzene (Cumene)	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
1,1,2,2-Tetrachloroethane	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
1,2-Dibromo-3-chloropropane	ND	470	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Total Xylenes	ND	1400	ug/kg dry	020409 0000	021809 2037	EMG	EPA 8260B	H1, U, D
Surrogate: Dibromofluoromethane		*84.4%*	*80-120*	*020409 0000*	*021809 2037*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*83.4%*	*80-120*	*020409 0000*	*021809 2037*		*EPA 8260B*	
Surrogate: Toluene-d8		*81.9%*	*75-120*	*020409 0000*	*021809 2037*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*85.8%*	*60-149*	*020409 0000*	*021809 2037*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Phenol	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
2-Chlorophenol	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
2-Methylphenol	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Hexachloroethane	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Nitrobenzene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Isophorone	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
1,2,4-Trichlorobenzene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-Dup02

09B0125-21 (Soil) Sampled: 02/04/2009 00:00; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Naphthalene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
4-Chloroaniline	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Hexachlorobutadiene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
2-Methylnaphthalene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
2-Chloronaphthalene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
`cenaphthylene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
,6-Dinitrotoluene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Acenaphthene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	1900	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Dibenzofuran	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Fluorene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Diethylphthalate	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Hexachlorobenzene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Pentachlorophenol	ND	1900	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Phenanthrene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Anthracene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Carbazole	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Di-n-butylphthalate	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Fluoranthene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Pyrene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	750	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Benz(a)anthracene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Chrysene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Benzo[k]fluoranthene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-Dup02

09B0125-21 (Soil) Sampled: 02/04/2009 00:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[a]pyrene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	370	ug/kg dry	020909 0800	021909 1237	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*86.8%*	*26-118*	*020909 0800*	*021909 1237*		*EPA 8270C*	
Surrogate: Phenol-d5		*92.7%*	*25-135*	*020909 0800*	*021909 1237*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*89.5%*	*41-135*	*020909 0800*	*021909 1237*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*93.6%*	*47-128*	*020909 0800*	*021909 1237*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*86.6%*	*28-130*	*020909 0800*	*021909 1237*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*97.2%*	*37-128*	*020909 0800*	*021909 1237*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.4	mg/kg	020409 0000	020909 2245	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*80.5%*	*52.9-156*	*020409 0000*	*020909 2245*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	021209 0700	021809 1452	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*101%*	*73-125*	*021209 0700*	*021809 1452*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	
Microbac, Chicagoland								
Herbicides								
Dinoseb	0	2000	µg/Kg	021209 0801	021809 1202	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021809 1202	MLT	SW8151	
2,4-D	**0.84**	2000	µg/Kg	021209 0801	021809 1202	MLT	SW8151	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-Dup02

09B0125-21 (Soil) Sampled: 02/04/2009 00:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
2,4,5-TP (Silvex)	**0.63**	2000	µg/Kg	021209 0801	021809 1202	MLT	SW8151	
Surrogate: Surr: DCAA		*0.8799%*	*10-114*	*021209 0801*	*021809 1202*		*SW8151*	
Pesticides								
Alachlor	0	1000	µg/Kg	021809 0803	021909 1858	MLT	SW8081A	
Atrazine	0	1000	µg/Kg	021809 0803	021909 1858	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*0700700700701%*	*38.2-130*	*021809 0803*	*021909 1858*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*5105105105105%*	*38.1-158*	*021809 0803*	*021909 1858*		*SW8081A*	

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-Dup03

09B0125-22 (Soil) Sampled: 02/05/2009 00:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**86.02**	0.05	% by Weight	021009 0500	021009 0500	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**1.8**	0.14	mg/kg dry	020909 0920	021009 1221	HG	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	1.9	mg/kg (dry)	021009 0824	021009 1857	PRM	EPA 6020	D
Aluminum	**12000**	12	mg/kg (dry)	021009 0824	021209 1611	APS	EPA 6010B	D
Arsenic	**15**	0.97	mg/kg (dry)	021009 0824	021009 1857	PRM	EPA 6020	
Barium	**140**	0.97	mg/kg (dry)	021009 0824	021009 1857	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021009 0824	021209 1611	APS	EPA 6010B	D
Cadmium	**0.35**	0.0097	mg/kg (dry)	021009 0824	021009 1857	PRM	EPA 6020	B2, D
Chromium	**110**	1.9	mg/kg (dry)	021009 0824	021009 1857	PRM	EPA 6020	D
Copper	**46**	0.97	mg/kg (dry)	021009 0824	021009 1857	PRM	EPA 6020	D
Iron	**31000**	9.7	mg/kg (dry)	021009 0824	021209 1611	APS	EPA 6010B	B2, D, B
Manganese	**410**	0.97	mg/kg (dry)	021009 0824	021009 1857	PRM	EPA 6020	D
Nickel	**21**	0.97	mg/kg (dry)	021009 0824	021009 1857	PRM	EPA 6020	D
Lead	**200**	0.97	mg/kg (dry)	021009 0824	021009 1857	PRM	EPA 6020	D
Antimony	**3.6**	1.9	mg/kg (dry)	021009 0824	021009 1857	PRM	EPA 6020	D
Selenium	ND	0.97	mg/kg (dry)	021009 0824	021009 1857	PRM	EPA 6020	D
Tin	**36**	19	mg/kg (dry)	021009 0824	021209 1611	APS	EPA 6010B	B1, D, B
Thallium	ND	0.97	mg/kg (dry)	021009 0824	021009 1857	PRM	EPA 6020	D
Vanadium	**53**	0.97	mg/kg (dry)	021009 0824	021009 1857	PRM	EPA 6020	D
Zinc	**180**	9.7	mg/kg (dry)	021009 0824	021009 1857	PRM	EPA 6020	D

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-Dup03

09B0125-22 (Soil) Sampled: 02/05/2009 00:00; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	5.8	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	5.8	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
Heptachlor	ND	5.8	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
Aldrin	ND	5.8	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
beta-BHC	ND	5.8	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
delta-BHC	ND	5.8	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	5.8	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	12	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
p,p'-DDE	ND	12	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
Dieldrin	ND	12	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
Endrin	ND	12	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
Endosulfan II	ND	35	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	35	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	35	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	35	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	35	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	58	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	35	ug/kg dry	021109 0800	021309 0812	MST	EPA 8081A/8082	U, D
Toxaphene	ND	350	ug/kg dry	021109 0800	021309 0844	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	120	ug/kg dry	021109 0800	021309 0844	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xylene		*71.6%*	*30-130*	*021109 0800*	*021309 0844*		*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl		*94.7%*	*30-130*	*021109 0800*	*021309 0844*		*EPA 8081A/8082*	

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SS-Dup03

09B0125-22 (Soil) Sampled: 02/05/2009 00:00; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Vinyl chloride	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Bromomethane	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Chloroethane	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Acetone	ND	2600	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Carbon disulfide	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Methylene Chloride	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
trans-1,2-Dichloroethene	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	
1,1-Dichloroethane	**2700**	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	D
cis-1,2-Dichloroethene	**410**	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	J, D
Methyl Ethyl Ketone (2-Butanone)	ND	2600	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Chloroform	**980**	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	D
1,1,1-Trichloroethane	**300**	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	J, D
Carbon Tetrachloride	**380**	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	J, D
Benzene	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Trichloroethene	**3200**	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	D
1,2-Dichloropropane	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2600	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Toluene	**120**	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	J, D
trans-1,3-Dichloropropene	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Tetrachloroethene	**3400**	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	D
Dibromochloromethane	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Chlorobenzene	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D

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SS-Dup03

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Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Volatile Organic Compounds by EPA Method 8260B								
Ethylbenzene	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
m,p-Xylenes	ND	1100	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
o-Xylene	**45**	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	J, D
Styrene	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Bromoform	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	530	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	U, D
Total Xylenes	**130**	1600	ug/kg dry	020509 0000	021809 1850	EMG	EPA 8260B	J, D
Surrogate: Dibromofluoromethane		*93.1%*	*80-120*	*020509 0000*	*021809 1850*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*94.7%*	*80-120*	*020509 0000*	*021809 1850*		*EPA 8260B*	
Surrogate: Toluene-d8		*79.6%*	*75-120*	*020509 0000*	*021809 1850*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*85.0%*	*60-149*	*020509 0000*	*021809 1850*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Chloroethyl)ether	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Phenol	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
2-Chlorophenol	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
2-Methylphenol	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Hexachloroethane	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Nitrobenzene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Isophorone	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-Dup03

09B0125-22 (Soil) Sampled: 02/05/2009 00:00; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Naphthalene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
4-Chloroaniline	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Hexachlorobutadiene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
2-Methylnaphthalene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
2-Chloronaphthalene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	
Acenaphthylene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	
2,6-Dinitrotoluene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Acenaphthene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2000	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Dibenzofuran	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Fluorene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Diethylphthalate	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Hexachlorobenzene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Pentachlorophenol	ND	2000	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Phenanthrene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Anthracene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Carbazole	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Di-n-butylphthalate	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Fluoranthene	**790**	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	
Pyrene	**980**	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	M4
3,3'-Dichlorobenzidine	ND	780	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Benz(a)anthracene	**440**	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	
Chrysene	**450**	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	
Bis(2-Ethylhexyl)phthalate	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-Dup03

09B0125-22 (Soil) Sampled: 02/05/2009 00:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[b]fluoranthene	**420**	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	
Benzo[k]fluoranthene	**550**	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	
Benzo[a]pyrene	**520**	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	380	ug/kg dry	020909 0800	021909 1729	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*88.9%*	*26-118*	*020909 0800*	*021909 1729*		*EPA 8270C*	
Surrogate: Phenol-d5		*96.4%*	*25-135*	*020909 0800*	*021909 1729*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*91.4%*	*41-135*	*020909 0800*	*021909 1729*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*92.8%*	*47-128*	*020909 0800*	*021909 1729*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*92.0%*	*28-130*	*020909 0800*	*021909 1729*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*130%*	*37-128*	*020909 0800*	*021909 1729*		*EPA 8270C*	*S2*
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.6	mg/kg	020509 0000	020909 2317	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*83.9%*	*52.9-156*	*020509 0000*	*020909 2317*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	**70**	10	mg/kg	021209 0700	021809 1535	MST	EPA 8015B	
Surrogate: n-Pentacosane		*113%*	*73-125*	*021209 0700*	*021809 1535*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-Dup03

09B0125-22 (Soil) Sampled: 02/05/2009 00:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac, Chicagoland								
Herbicides								
Dinoseb	0	2000	µg/Kg	021209 0801	021809 1236	MLT	SW8151	
Dalapon	0	2000	µg/Kg	021209 0801	021809 1236	MLT	SW8151	
2,4-D	**10**	2000	µg/Kg	021209 0801	021809 1236	MLT	SW8151	
2,4,5-TP (Silvex)	**1.3**	2000	µg/Kg	021209 0801	021809 1236	MLT	SW8151	
Surrogate: Surr: DCAA		*1.1088%*	*10-114*	*021209 0801*	*021809 1236*		*SW8151*	
Pesticides								
Atrazine	0	1000	µg/Kg	021809 0803	021909 1922	MLT	SW8081A	
Alachlor	0	1000	µg/Kg	021809 0803	021909 1922	MLT	SW8081A	
Surrogate: Surr: Tetrachloro-m-xylene		*5105105105105%*	*38.2-130*	*021809 0803*	*021909 1922*		*SW8081A*	
Surrogate: Surr: Decachlorobiphenyl		*1011011011011%*	*38.1-158*	*021809 0803*	*021909 1922*		*SW8081A*	

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

Trip Blank-1

09B0125-23 (Water) Sampled: 02/02/2009 00:00; Type: Trip Blank

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Vinyl chloride	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Bromomethane	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Chloroethane	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
1,1-Dichloroethene	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Acetone	ND	5.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Carbon disulfide	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Methylene Chloride	**5.1**	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	
'ethyl-tert-Butyl Ether	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
trans-1,2-Dichloroethene	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
1,1-Dichloroethane	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
cis-1,2-Dichloroethene	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Chloroform	**0.58**	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	J
1,1,1-Trichloroethane	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Carbon Tetrachloride	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Benzene	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
1,2-Dichloroethane	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Trichloroethene	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
1,2-Dichloropropane	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Bromodichloromethane	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Methyl Isobutyl Ketone	ND	5.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
cis-1,3-Dichloropropene	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Toluene	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
trans-1,3-Dichloropropene	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
1,1,2-Trichloroethane	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
1,2-Dibromoethane	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Tetrachloroethene	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Dibromochloromethane	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Chlorobenzene	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

Trip Blank-1

09B0125-23 (Water) Sampled: 02/02/2009 00:00; Type: Trip Blank

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Ethylbenzene	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
m,p-Xylenes	ND	2.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
o-Xylene	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Styrene	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Bromoform	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Isopropylbenzene (Cumene)	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	U
Total Xylenes	ND	3.0	ug/L	021209 1255	021209 1255	EMG	EPA 8260B	
Surrogate: Dibromofluoromethane		*94.2%*	*80-120*	*021209 1255*	*021209 1255*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*92.5%*	*80-120*	*021209 1255*	*021209 1255*		*EPA 8260B*	
Surrogate: Toluene-d8		*96.5%*	*75-120*	*021209 1255*	*021209 1255*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*95.3%*	*60-149*	*021209 1255*	*021209 1255*		*EPA 8260B*	

Microbac Laboratories, Inc., Baltimore Division

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

Field Blank-1

09B0125-24 (Water) Sampled: 02/04/2009 00:00; Type: Field Blank

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Vinyl chloride	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Bromomethane	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Chloroethane	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
1,1-Dichloroethene	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Acetone	ND	5.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Carbon disulfide	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Methylene Chloride	**0.36**	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	J
Methyl-tert-Butyl Ether	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
trans-1,2-Dichloroethene	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
1,1-Dichloroethane	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
cis-1,2-Dichloroethene	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Chloroform	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
1,1,1-Trichloroethane	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Carbon Tetrachloride	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Benzene	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
1,2-Dichloroethane	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Trichloroethene	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
1,2-Dichloropropane	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Bromodichloromethane	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Methyl Isobutyl Ketone	ND	5.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
cis-1,3-Dichloropropene	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Toluene	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
trans-1,3-Dichloropropene	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
1,1,2-Trichloroethane	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
1,2-Dibromoethane	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Tetrachloroethene	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Dibromochloromethane	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Chlorobenzene	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U

Microbac Laboratories, Inc., Baltimore Division

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Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

Field Blank-1

09B0125-24 (Water) Sampled: 02/04/2009 00:00; Type: Field Blank

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Ethylbenzene	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
m,p-Xylenes	ND	2.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
o-Xylene	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Styrene	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Bromoform	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Isopropylbenzene (Cumene)	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	U
Total Xylenes	ND	3.0	ug/L	021209 1333	021209 1333	EMG	EPA 8260B	
Surrogate: Dibromofluoromethane		*97.5%*	*80-120*	*021209 1333*	*021209 1333*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*94.6%*	*80-120*	*021209 1333*	*021209 1333*		*EPA 8260B*	
Surrogate: Toluene-d8		*95.6%*	*75-120*	*021209 1333*	*021209 1333*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*93.3%*	*60-149*	*021209 1333*	*021209 1333*		*EPA 8260B*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

Trip Blank-2

09B0125-25 (Water) Sampled: 02/02/2009 00:00; Type: Trip Blank

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Vinyl chloride	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Bromomethane	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Chloroethane	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
1,1-Dichloroethene	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Acetone	ND	5.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Carbon disulfide	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Methylene Chloride	**0.53**	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	J
Methyl-tert-Butyl Ether	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
trans-1,2-Dichloroethene	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
1,1-Dichloroethane	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
cis-1,2-Dichloroethene	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Chloroform	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
1,1,1-Trichloroethane	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Carbon Tetrachloride	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Benzene	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
1,2-Dichloroethane	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Trichloroethene	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
1,2-Dichloropropane	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Bromodichloromethane	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Methyl Isobutyl Ketone	ND	5.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
cis-1,3-Dichloropropene	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Toluene	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
trans-1,3-Dichloropropene	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
1,1,2-Trichloroethane	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
1,2-Dibromoethane	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Tetrachloroethene	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Dibromochloromethane	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Chlorobenzene	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

Trip Blank-2

09B0125-25 (Water) Sampled: 02/02/2009 00:00; Type: Trip Blank

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Ethylbenzene	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
m,p-Xylenes	ND	2.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
o-Xylene	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Styrene	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Bromoform	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Isopropylbenzene (Cumene)	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Total Xylenes	ND	3.0	ug/L	021209 1409	021209 1409	EMG	EPA 8260B	U
Surrogate: Dibromofluoromethane		*95.4%*	*80-120*	*021209 1409*	*021209 1409*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*93.4%*	*80-120*	*021209 1409*	*021209 1409*		*EPA 8260B*	
Surrogate: Toluene-d8		*96.4%*	*75-120*	*021209 1409*	*021209 1409*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*97.1%*	*60-149*	*021209 1409*	*021209 1409*		*EPA 8260B*	

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Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

Field Blank-2

09B0125-26 (Water) Sampled: 02/05/2009 00:00; Type: Field Blank

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Vinyl chloride	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Bromomethane	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Chloroethane	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
1,1-Dichloroethene	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Acetone	ND	5.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Carbon disulfide	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Methylene Chloride	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Methyl-tert-Butyl Ether	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	
trans-1,2-Dichloroethene	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	
1,1-Dichloroethane	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
cis-1,2-Dichloroethene	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Chloroform	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
1,1,1-Trichloroethane	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Carbon Tetrachloride	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Benzene	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
1,2-Dichloroethane	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Trichloroethene	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
1,2-Dichloropropane	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Bromodichloromethane	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Methyl Isobutyl Ketone	ND	5.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
cis-1,3-Dichloropropene	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Toluene	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
trans-1,3-Dichloropropene	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
1,1,2-Trichloroethane	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
1,2-Dibromoethane	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Tetrachloroethene	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Dibromochloromethane	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Chlorobenzene	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Ethylbenzene	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

Field Blank-2

09B0125-26 (Water) Sampled: 02/05/2009 00:00; Type: Field Blank

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
m,p-Xylenes	ND	2.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
o-Xylene	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Styrene	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Bromoform	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Isopropylbenzene (Cumene)	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
Total Xylenes	ND	3.0	ug/L	021209 1446	021209 1446	EMG	EPA 8260B	U
rogate: Dibromofluoromethane		*97.8%*	*80-120*	*021209 1446*	*021209 1446*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*95.7%*	*80-120*	*021209 1446*	*021209 1446*		*EPA 8260B*	
Surrogate: Toluene-d8		*93.7%*	*75-120*	*021209 1446*	*021209 1446*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*98.2%*	*60-149*	*021209 1446*	*021209 1446*		*EPA 8260B*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-31

09B0125-27 (Soil) Sampled: 02/12/2009 12:38; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**74.03**	0.05	% by Weight	021709 1100	021709 1100	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.033	mg/kg dry	022009 1205	022309 1043	APS	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021909 0957	022009 1343	PRM	EPA 6020	D
Aluminum	**18000**	12	mg/kg (dry)	021909 0831	022309 1700	APS	EPA 6010B	D
Arsenic	**1.0**	1.0	mg/kg (dry)	021909 0957	022009 1343	PRM	EPA 6020	
Barium	**66**	1.0	mg/kg (dry)	021909 0957	022609 1208	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021909 0831	022309 1700	APS	EPA 6010B	D
Cadmium	**0.17**	0.010	mg/kg (dry)	021909 0957	022609 1208	PRM	EPA 6020	B2, D, B
Chromium	**140**	2.0	mg/kg (dry)	021909 0957	022009 1343	PRM	EPA 6020	D
Copper	**34**	1.0	mg/kg (dry)	021909 0957	022609 1208	PRM	EPA 6020	D
Iron	**51000**	20	mg/kg (dry)	021909 0831	022409 1032	APS	EPA 6010B	B2, D, B
Manganese	**1100**	1.0	mg/kg (dry)	021909 0957	022009 1343	PRM	EPA 6020	D
Nickel	**53**	1.0	mg/kg (dry)	021909 0957	022609 1208	PRM	EPA 6020	D
Lead	**8.9**	1.0	mg/kg (dry)	021909 0957	022009 1343	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	021909 0957	022309 1845	PRM	EPA 6020	D
Selenium	ND	1.0	mg/kg (dry)	021909 0957	022009 1343	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021909 0831	022309 1700	APS	EPA 6010B	B3, D
Thallium	ND	1.0	mg/kg (dry)	021909 0957	022009 1343	PRM	EPA 6020	D
Vanadium	**160**	1.0	mg/kg (dry)	021909 0957	022009 1343	PRM	EPA 6020	D
Zinc	**66**	10	mg/kg (dry)	021909 0957	022009 1343	PRM	EPA 6020	D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-31

09B0125-27 (Soil) Sampled: 02/12/2009 12:38; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	6.8	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	6.8	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
Heptachlor	ND	6.8	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
Aldrin	ND	6.8	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
beta-BHC	ND	6.8	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
delta-BHC	ND	6.8	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	6.8	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	14	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
p'-DDE	ND	14	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
Dieldrin	ND	14	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
Endrin	ND	14	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
Endosulfan II	ND	41	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	41	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	41	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	41	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	41	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	68	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	41	ug/kg dry	022509 1215	022609 1335	MST	EPA 8081A/8082	U, D
Toxaphene	ND	410	ug/kg dry	022509 1215	022609 1406	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	140	ug/kg dry	022509 1215	022609 1406	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xylene		*70.2%*	*30-130*	*022509 1215*	*022609 1406*		*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl		*106%*	*30-130*	*022509 1215*	*022609 1406*		*EPA 8081A/8082*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-31

09B0125-27 (Soil) Sampled: 02/12/2009 12:38; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Vinyl chloride	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Bromomethane	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Chloroethane	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Acetone	ND	3100	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Carbon disulfide	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Methylene Chloride	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	
trans-1,2-Dichloroethene	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U,
1,1-Dichloroethane	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	**130**	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	J, D
Methyl Ethyl Ketone (2-Butanone)	ND	3100	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Chloroform	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Benzene	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Trichloroethene	**110**	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	J, D
1,2-Dichloropropane	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	3100	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Toluene	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Tetrachloroethene	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Dibromochloromethane	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Chlorobenzene	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-31

09B0125-27 (Soil) Sampled: 02/12/2009 12:38; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Ethylbenzene	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
m,p-Xylenes	ND	1200	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
o-Xylene	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Styrene	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Bromoform	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	**95**	620	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	J, D
)tal Xylenes	ND	1800	ug/kg dry	021209 1238	021909 1359	EMG	EPA 8260B	U, D
Surrogate: Dibromofluoromethane		*98.6%*	*80-120*	*021209 1238*	*021909 1359*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*96.3%*	*80-120*	*021209 1238*	*021909 1359*		*EPA 8260B*	
Surrogate: Toluene-d8		*92.0%*	*75-120*	*021209 1238*	*021909 1359*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*93.4%*	*60-149*	*021209 1238*	*021909 1359*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Phenol	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
2-Chlorophenol	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
2-Methylphenol	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Hexachloroethane	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Nitrobenzene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Isophorone	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-31

09B0125-27 (Soil) Sampled: 02/12/2009 12:38; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Naphthalene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
4-Chloroaniline	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Hexachlorobutadiene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
2-Methylnaphthalene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
2-Chloronaphthalene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	
Acenaphthylene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	
2,6-Dinitrotoluene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Acenaphthene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2300	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Dibenzofuran	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Fluorene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Diethylphthalate	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Hexachlorobenzene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Pentachlorophenol	ND	2300	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Phenanthrene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Anthracene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Carbazole	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Di-n-butylphthalate	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Fluoranthene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Pyrene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	910	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Benz(a)anthracene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Chrysene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
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SS-31

09B0125-27 (Soil) Sampled: 02/12/2009 12:38; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Benzo[a]pyrene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	450	ug/kg dry	022509 1400	022609 1654	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*79.3%*	*26-118*	*022509 1400*	*022609 1654*		*EPA 8270C*	
Surrogate: Phenol-d5		*84.9%*	*25-135*	*022509 1400*	*022609 1654*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*81.2%*	*41-135*	*022509 1400*	*022609 1654*		*EPA 8270C*	
rogate: 2-Fluorobiphenyl		*82.1%*	*47-128*	*022509 1400*	*022609 1654*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*92.0%*	*28-130*	*022509 1400*	*022609 1654*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*80.7%*	*37-128*	*022509 1400*	*022609 1654*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.6	mg/kg	021209 1238	021709 2012	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*92.1%*	*52.9-156*	*021209 1238*	*021709 2012*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	022509 1300	022609 1418	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*105%*	*73-125*	*022509 1300*	*022609 1418*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-31

09B0125-27 (Soil) Sampled: 02/12/2009 12:38; Type: Composite

Microbac Laboratories, Inc-Chicagoland Division

Herbicides

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
2,4,5-TP (Silvex)	ND	2000	µg/Kg	022209 1508	022409 2155	MLT	EPA 1851	
2,4-D	ND	2000	µg/Kg	022209 1508	022409 2155	MLT	EPA 1851	
Dalapon	ND	2000	µg/Kg	022209 1508	022409 2155	MLT	EPA 1851	
Dinoseb	ND	2000	µg/Kg	022209 1508	022409 2155	MLT	EPA 1851	
Surrogate: DCAA		*%*	*10-114*	*022209 1508*	*022409 2155*		*EPA 1851*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-31

09B0125-28 (Soil) Sampled: 02/12/2009 12:59; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**70.09**	0.05	% by Weight	021709 1100	021709 1100	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.043**	0.034	mg/kg dry	022009 1205	022309 1045	APS	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021909 0957	022009 1417	PRM	EPA 6020	D
Aluminum	**23000**	12	mg/kg (dry)	021909 0831	022309 1724	APS	EPA 6010B	D
Arsenic	**3.6**	1.0	mg/kg (dry)	021909 0957	022009 1417	PRM	EPA 6020	D
Barium	**140**	1.0	mg/kg (dry)	021909 0957	022609 1212	PRM	EPA 6020	D
Beryllium	**2.2**	1.2	mg/kg (dry)	021909 0831	022309 1724	APS	EPA 6010B	D
Cadmium	**0.70**	0.010	mg/kg (dry)	021909 0957	022609 1212	PRM	EPA 6020	B2, D, B
Chromium	**160**	2.0	mg/kg (dry)	021909 0957	022009 1417	PRM	EPA 6020	D
Copper	**53**	1.0	mg/kg (dry)	021909 0957	022609 1212	PRM	EPA 6020	D
Iron	**11000**	10	mg/kg (dry)	021909 0831	022309 1724	APS	EPA 6010B	B2, D, B
Manganese	**75**	1.0	mg/kg (dry)	021909 0957	022009 1417	PRM	EPA 6020	D
Nickel	**260**	1.0	mg/kg (dry)	021909 0957	022609 1212	PRM	EPA 6020	D
Lead	**9.3**	1.0	mg/kg (dry)	021909 0957	022009 1417	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	021909 0957	022309 1849	PRM	EPA 6020	D
Selenium	ND	1.0	mg/kg (dry)	021909 0957	022009 1417	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021909 0831	022309 1724	APS	EPA 6010B	B3, D
Thallium	ND	1.0	mg/kg (dry)	021909 0957	022009 1417	PRM	EPA 6020	D
Vanadium	**120**	1.0	mg/kg (dry)	021909 0957	022009 1417	PRM	EPA 6020	D
Zinc	**270**	10	mg/kg (dry)	021909 0957	022009 1417	PRM	EPA 6020	D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-31

09B0125-28 (Soil) Sampled: 02/12/2009 12:59; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Vinyl chloride	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Bromomethane	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Chloroethane	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Acetone	ND	2800	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Carbon disulfide	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Methylene Chloride	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	
trans-1,2-Dichloroethene	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U,
1,1-Dichloroethane	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2800	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Chloroform	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Benzene	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Trichloroethene	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
1,2-Dichloropropane	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2800	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Toluene	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Tetrachloroethene	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Dibromochloromethane	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Chlorobenzene	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Ethylbenzene	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D

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Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-31

09B0125-28 (Soil) Sampled: 02/12/2009 12:59; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
m,p-Xylenes	ND	1100	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
o-Xylene	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Styrene	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Bromoform	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	550	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
Total Xylenes	ND	1700	ug/kg dry	021209 1259	021909 1441	EMG	EPA 8260B	U, D
rogate: Dibromofluoromethane		*105%*	*80-120*	*021209 1259*	*021909 1441*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*103%*	*80-120*	*021209 1259*	*021909 1441*		*EPA 8260B*	
Surrogate: Toluene-d8		*92.0%*	*75-120*	*021209 1259*	*021909 1441*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*93.0%*	*60-149*	*021209 1259*	*021909 1441*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Phenol	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
2-Chlorophenol	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
2-Methylphenol	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Hexachloroethane	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Nitrobenzene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Isophorone	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
1,2,4-Trichlorobenzene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-31

09B0125-28 (Soil) Sampled: 02/12/2009 12:59; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Naphthalene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
4-Chloroaniline	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Hexachlorobutadiene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
2-Methylnaphthalene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
2-Chloronaphthalene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Acenaphthylene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	
2,6-Dinitrotoluene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	
Acenaphthene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2400	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Dibenzofuran	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Fluorene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Diethylphthalate	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Hexachlorobenzene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Pentachlorophenol	ND	2400	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Phenanthrene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Anthracene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Carbazole	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Di-n-butylphthalate	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Fluoranthene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Pyrene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	960	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Benz(a)anthracene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Chrysene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Benzo[k]fluoranthene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-31

09B0125-28 (Soil) Sampled: 02/12/2009 12:59; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[a]pyrene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	470	ug/kg dry	022509 1400	022609 1736	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*71.3%*	*26-118*	*022509 1400*	*022609 1736*		*EPA 8270C*	
Surrogate: Phenol-d5		*77.2%*	*25-135*	*022509 1400*	*022609 1736*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*75.4%*	*41-135*	*022509 1400*	*022609 1736*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*75.2%*	*47-128*	*022509 1400*	*022609 1736*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*83.6%*	*28-130*	*022509 1400*	*022609 1736*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*77.8%*	*37-128*	*022509 1400*	*022609 1736*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.1	mg/kg	021209 1259	021709 2045	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*92.9%*	*52.9-156*	*021209 1259*	*021709 2045*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	022509 1300	022609 1503	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*91.8%*	*73-125*	*022509 1300*	*022609 1503*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	
Microbac Laboratories, Inc-Chicagoland Division								
Herbicides								
Dinoseb	ND	2000	µg/Kg	022209 1508	022409 2229	MLT	EPA 1851	
2,4-D	ND	2000	µg/Kg	022209 1508	022409 2229	MLT	EPA 1851	
Dalapon	ND	2000	µg/Kg	022209 1508	022409 2229	MLT	EPA 1851	

Microbac Laboratories, Inc., Baltimore Division

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-31

09B0125-28 (Soil) Sampled: 02/12/2009 12:59; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Herbicides								
2,4,5-TP (Silvex)	ND	2000	µg/Kg	022209 1508	022409 2229	MLT	EPA 1851	
Surrogate: DCAA		*%*	*10-114*	*022209 1508*	*022409 2229*		*EPA 1851*	

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-33

09B0125-29 (Soil) Sampled: 02/04/2009 17:20; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**91.31**	0.05	% by Weight	021709 1100	021709 1100	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.027	mg/kg dry	022009 1205	022309 1047	APS	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	1.9	mg/kg (dry)	021909 0957	022009 1421	PRM	EPA 6020	D
Aluminum	**940**	12	mg/kg (dry)	021909 0831	022309 1728	APS	EPA 6010B	D
rsenic	**1.4**	0.97	mg/kg (dry)	021909 0957	022009 1421	PRM	EPA 6020	D
Barium	**5.7**	0.97	mg/kg (dry)	021909 0957	022609 1216	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021909 0831	022309 1728	APS	EPA 6010B	D
Cadmium	**0.13**	0.0097	mg/kg (dry)	021909 0957	022609 1216	PRM	EPA 6020	B2, D, B
Chromium	**9.6**	1.9	mg/kg (dry)	021909 0957	022009 1421	PRM	EPA 6020	D
Copper	**9.6**	0.97	mg/kg (dry)	021909 0957	022609 1216	PRM	EPA 6020	D
Iron	**8000**	9.7	mg/kg (dry)	021909 0831	022309 1728	APS	EPA 6010B	B2, D, B
Manganese	**14**	0.97	mg/kg (dry)	021909 0957	022009 1421	PRM	EPA 6020	D
Nickel	**6.1**	0.97	mg/kg (dry)	021909 0957	022609 1216	PRM	EPA 6020	D
Lead	**2.2**	0.97	mg/kg (dry)	021909 0957	022009 1421	PRM	EPA 6020	D
Antimony	ND	1.9	mg/kg (dry)	021909 0957	022309 1904	PRM	EPA 6020	D
Selenium	ND	0.97	mg/kg (dry)	021909 0957	022009 1421	PRM	EPA 6020	D
Tin	ND	19	mg/kg (dry)	021909 0831	022309 1728	APS	EPA 6010B	B3, D
Thallium	ND	0.97	mg/kg (dry)	021909 0957	022009 1421	PRM	EPA 6020	D
Vanadium	**20**	0.97	mg/kg (dry)	021909 0957	022009 1421	PRM	EPA 6020	D
Zinc	ND	9.7	mg/kg (dry)	021909 0957	022009 1421	PRM	EPA 6020	D

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Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-33

09B0125-29 (Soil) Sampled: 02/04/2009 17:20; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Vinyl chloride	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Bromomethane	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Chloroethane	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Acetone	ND	2400	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Carbon disulfide	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Methylene Chloride	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	
trans-1,2-Dichloroethene	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U
1,1-Dichloroethane	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2400	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Chloroform	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Benzene	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Trichloroethene	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
1,2-Dichloropropane	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2400	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Toluene	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Tetrachloroethene	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Dibromochloromethane	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Chlorobenzene	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Ethylbenzene	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-33

09B0125-29 (Soil) Sampled: 02/04/2009 17:20; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylenes	ND	970	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
o-Xylene	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Styrene	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Bromoform	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	480	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
Total Xylenes	ND	1500	ug/kg dry	020409 1720	021809 1703	EMG	EPA 8260B	U, D
rogate: Dibromofluoromethane		*88.0%*	*80-120*	*020409 1720*	*021809 1703*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*87.7%*	*80-120*	*020409 1720*	*021809 1703*		*EPA 8260B*	
Surrogate: Toluene-d8		*81.9%*	*75-120*	*020409 1720*	*021809 1703*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*83.5%*	*60-149*	*020409 1720*	*021809 1703*		*EPA 8260B*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.5	mg/kg	020409 1720	021709 1834	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*88.8%*	*52.9-156*	*020409 1720*	*021709 1834*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	
Microbac Laboratories, Inc-Chicagoland Division								
Herbicides								
Dalapon	ND	2000	µg/Kg	022209 1508	022409 2302	MLT	EPA 1851	
2,4-D	ND	2000	µg/Kg	022209 1508	022409 2302	MLT	EPA 1851	
2,4,5-TP (Silvex)	ND	2000	µg/Kg	022209 1508	022409 2302	MLT	EPA 1851	
Dinoseb	ND	2000	µg/Kg	022209 1508	022409 2302	MLT	EPA 1851	
Surrogate: DCAA		*%*	*10-114*	*022209 1508*	*022409 2302*		*EPA 1851*	

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Lisa M. Grant, Project Manager

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-33

09B0125-29 (Soil) Sampled: 02/04/2009 17:20; Type: Composite

Microbac Laboratories, Inc-Chicagoland Division

Pesticides

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Heptachlor Epoxide	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
4,4'-DDD	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
4,4'-DDE	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
4,4'-DDT	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Alachlor	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Aldrin	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Alpha-BHC	ND	6.6	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Atrazine	ND	99	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Toxaphene	ND	330	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Methoxychlor	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Heptachlor	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Gamma-BHC	ND	6.6	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Endrin Ketone	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Beta-BHC	ND	17	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Endrin Aldehyde	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Endrin	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Endosulfan Sulfate	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Endosulfan II	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Endosulfan I	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Chlordane	ND	330	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Dieldrin	ND	1.6	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
delta-BHC	ND	33	µg/Kg	021909 0611	021909 1957	MLT	EPA 8081A	
Surrogate: Decachlorobiphenyl		*%*	*38.1-158*	*021909 0611*	*021909 1957*		*EPA 8081A*	
Surrogate: Tetrachloro-m-xylene		*%*	*38.2-130*	*021909 0611*	*021909 1957*		*EPA 8081A*	

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Microbac Laboratories, Inc-Chicagoland Division

Semivolatile Organic Compounds

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Fluoranthene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Di-n-butyl phthalate	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Diethyl phthalate	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Dibenzofuran	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Pyrene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Dibenz[a,h]anthracene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Di(2-ethylhexyl) phthalate	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Chrysene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Fluorene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Bis(2-ethylhexyl)phthalate	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Indeno[1,2,3cd]pyrene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Bis(2-chloroisopropyl)ether	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Bis(2-chloroethyl)ether	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Benzo[k]fluoranthene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Benzo[g,h,i]perylene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Carbazole	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Phenol	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Phenanthrene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Pentachlorophenol	ND	1600	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
2-Chloronaphthalene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Hexachlorocyclopentadiene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
N-Nitrosodi-n-propylamine	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Hexachlorobenzene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Nitrobenzene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Naphthalene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Isophorone	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Hexachloroethane	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
N-Nitrosodiphenylamine	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Hexachlorobutadiene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Benzo[b]fluoranthene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
2,4,5-Trichlorophenol	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	

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Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-33

09B0125-29 (Soil) Sampled: 02/04/2009 17:20; Type: Composite

Microbac Laboratories, Inc-Chicagoland Division

Semivolatile Organic Compounds

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,4-Dichlorobenzene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
1,3-Dichlorobenzene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
1,2-Dichlorobenzene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
2,4-Dinitrotoluene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
1,2,4-Trichlorobenzene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
2-Methylnaphthalene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Benzo[a]anthracene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Anthracene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Acenaphthylene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Acenaphthene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
4-Chloroaniline	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
3/4-Methylphenol	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
2,4,6-Trichlorophenol	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
2-Methylphenol	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
2,4-Dichlorophenol	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
2-Chlorophenol	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
2,6-Dinitrotoluene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
2,4-Dinitrophenol	ND	1600	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Benzo[a]pyrene	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
3,3'-Dichlorobenzidine	ND	1600	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
2,4-Dimethylphenol	ND	330	µg/Kg	021909 1204	022009 0021	BEM	EPA 8270C	
Surrogate: Nitrobenzene-d5		*%*	*10-139*	*021909 1204*	*022009 0021*		*EPA 8270C*	
Surrogate: Phenol-d5		*%*	*10-97.5*	*021909 1204*	*022009 0021*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*%*	*10-107*	*021909 1204*	*022009 0021*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*%*	*10-124*	*021909 1204*	*022009 0021*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*%*	*10-157*	*021909 1204*	*022009 0021*		*EPA 8270C*	
Surrogate: 2-Fluorophenol		*%*	*10-91.4*	*021909 1204*	*022009 0021*		*EPA 8270C*	

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Microbac Laboratories, Inc-Chicagoland Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Total Petroleum Hydrocarbons								
Diesel Range Organics	ND	10	µg/Kg	022009 1400	022009 2317	MLT	Diesel Range Organics (C10 to C28)	
Surrogate: Decafluorobiphenyl		*%*	*80.7-124*	*022009 1400*	*022009 2317*		*Diesel Range Organics (C10 to C28)*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-34

09B0125-30 (Soil) Sampled: 02/12/2009 10:45; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**87.49**	0.05	% by Weight	021709 1100	021709 1100	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.027	mg/kg dry	022009 1205	022309 1056	APS	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	1.9	mg/kg (dry)	021909 0957	022009 1425	PRM	EPA 6020	D
Aluminum	**9800**	12	mg/kg (dry)	021909 0831	022309 1731	APS	EPA 6010B	D
Arsenic	ND	0.96	mg/kg (dry)	021909 0957	022009 1425	PRM	EPA 6020	
Barium	**35**	0.96	mg/kg (dry)	021909 0957	022609 1220	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021909 0831	022309 1731	APS	EPA 6010B	D
Cadmium	**0.21**	0.0096	mg/kg (dry)	021909 0957	022609 1220	PRM	EPA 6020	B2, D, B
Chromium	**34**	1.9	mg/kg (dry)	021909 0957	022009 1425	PRM	EPA 6020	D
Copper	**22**	0.96	mg/kg (dry)	021909 0957	022609 1220	PRM	EPA 6020	D
Iron	**9200**	9.6	mg/kg (dry)	021909 0831	022309 1731	APS	EPA 6010B	B2, D, B
Manganese	**92**	0.96	mg/kg (dry)	021909 0957	022009 1425	PRM	EPA 6020	D
Nickel	**20**	0.96	mg/kg (dry)	021909 0957	022609 1220	PRM	EPA 6020	D
Lead	**6.1**	0.96	mg/kg (dry)	021909 0957	022009 1425	PRM	EPA 6020	D
Antimony	ND	1.9	mg/kg (dry)	021909 0957	022309 1907	PRM	EPA 6020	D
Selenium	ND	0.96	mg/kg (dry)	021909 0957	022009 1425	PRM	EPA 6020	D
Tin	ND	19	mg/kg (dry)	021909 0831	022309 1731	APS	EPA 6010B	B3, D
Thallium	ND	0.96	mg/kg (dry)	021909 0957	022009 1425	PRM	EPA 6020	D
Vanadium	**31**	0.96	mg/kg (dry)	021909 0957	022009 1425	PRM	EPA 6020	D
Zinc	**25**	9.6	mg/kg (dry)	021909 0957	022009 1425	PRM	EPA 6020	D

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Microbac Laboratories, Inc., Baltimore Division

Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	5.7	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	5.7	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
Heptachlor	ND	5.7	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
Aldrin	ND	5.7	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
beta-BHC	ND	5.7	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
delta-BHC	ND	5.7	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	5.7	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	11	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
p'-DDE	ND	11	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
Dieldrin	ND	11	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
Endrin	ND	11	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
Endosulfan II	ND	34	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	34	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	34	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	34	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	34	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	57	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	34	ug/kg dry	022509 1215	022609 1438	MST	EPA 8081A/8082	U, D
Toxaphene	ND	340	ug/kg dry	022509 1215	022609 1509	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	110	ug/kg dry	022509 1215	022609 1509	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xylene		*51.2%*	*30-130*	*022509 1215*	*022609 1509*		*EPA 8081A 8082*	
Surrogate: Decachlorobiphenyl		*92.0%*	*30-130*	*022509 1215*	*022609 1509*		*EPA 8081A 8082*	

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Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Vinyl chloride	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Bromomethane	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Chloroethane	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Acetone	ND	2700	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Carbon disulfide	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Methylene Chloride	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	
trans-1,2-Dichloroethene	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	
1,1-Dichloroethane	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2700	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Chloroform	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Benzene	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Trichloroethene	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
1,2-Dichloropropane	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2700	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Toluene	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Tetrachloroethene	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Dibromochloromethane	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Chlorobenzene	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Ethylbenzene	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-34

09B0125-30 (Soil) Sampled: 02/12/2009 10:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
m,p-Xylenes	ND	1100	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
o-Xylene	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Styrene	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Bromoform	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	530	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
Total Xylenes	ND	1600	ug/kg dry	021209 1045	021909 1516	EMG	EPA 8260B	U, D
rogate: Dibromofluoromethane		*101%*	*80-120*	*021209 1045*	*021909 1516*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*99.8%*	*80-120*	*021209 1045*	*021909 1516*		*EPA 8260B*	
Surrogate: Toluene-d8		*91.5%*	*75-120*	*021209 1045*	*021909 1516*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*93.9%*	*60-149*	*021209 1045*	*021909 1516*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Phenol	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
2-Chlorophenol	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
2-Methylphenol	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Hexachloroethane	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Nitrobenzene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Isophorone	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
1,2,4-Trichlorobenzene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-34

09B0125-30 (Soil) Sampled: 02/12/2009 10:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Naphthalene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
4-Chloroaniline	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Hexachlorobutadiene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
2-Methylnaphthalene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
2-Chloronaphthalene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Acenaphthylene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	
2,6-Dinitrotoluene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	
Acenaphthene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	1900	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Dibenzofuran	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Fluorene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Diethylphthalate	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Hexachlorobenzene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Pentachlorophenol	ND	1900	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Phenanthrene	**610**	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	
Anthracene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Carbazole	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Di-n-butylphthalate	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Fluoranthene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Pyrene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	770	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Benz(a)anthracene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Chrysene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-34

09B0125-30 (Soil) Sampled: 02/12/2009 10:45; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Benzo[a]pyrene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	380	ug/kg dry	022509 1400	022709 1433	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*66.3%*	*26-118*	*022509 1400*	*022709 1433*		*EPA 8270C*	
Surrogate: Phenol-d5		*72.3%*	*25-135*	*022509 1400*	*022709 1433*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*68.6%*	*41-135*	*022509 1400*	*022709 1433*		*EPA 8270C*	
rogate: 2-Fluorobiphenyl		*73.5%*	*47-128*	*022509 1400*	*022709 1433*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*72.0%*	*28-130*	*022509 1400*	*022709 1433*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*84.3%*	*37-128*	*022509 1400*	*022709 1433*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	3.7	mg/kg	021209 1045	021709 2118	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*93.7%*	*52.9-156*	*021209 1045*	*021709 2118*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	**1200**	10	mg/kg	022509 1300	022609 1545	MST	EPA 8015B	
Surrogate: n-Pentacosane		*99.0%*	*73-125*	*022509 1300*	*022609 1545*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-34

09B0125-30 (Soil) Sampled: 02/12/2009 10:45; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Herbicides								
2,4,5-TP (Silvex)	ND	2000	µg/Kg	022209 1508	022409 2336	MLT	EPA 1851	
Dalapon	ND	2000	µg/Kg	022209 1508	022409 2336	MLT	EPA 1851	
Dinoseb	ND	2000	µg/Kg	022209 1508	022409 2336	MLT	EPA 1851	
2,4-D	ND	2000	µg/Kg	022209 1508	022409 2336	MLT	EPA 1851	
Surrogate: DCAA		*%*	*10-114*	*022209 1508*	*022409 2336*		*EPA 1851*	

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-34

09B0125-31 (Soil) Sampled: 02/12/2009 11:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**74.92**	0.05	% by Weight	021709 1100	021709 1100	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.032**	0.031	mg/kg dry	022009 1205	022309 1058	APS	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	021909 0957	022009 1428	PRM	EPA 6020	D
Aluminum	**16000**	12	mg/kg (dry)	021909 0831	022309 1742	APS	EPA 6010B	D
rsenic	ND	0.98	mg/kg (dry)	021909 0957	022009 1428	PRM	EPA 6020	D
Barium	**72**	0.98	mg/kg (dry)	021909 0957	022609 1234	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021909 0831	022309 1742	APS	EPA 6010B	D
Cadmium	**0.50**	0.0098	mg/kg (dry)	021909 0957	022609 1234	PRM	EPA 6020	B2, D, B
Chromium	**130**	2.0	mg/kg (dry)	021909 0957	022009 1428	PRM	EPA 6020	D
Copper	**32**	0.98	mg/kg (dry)	021909 0957	022609 1234	PRM	EPA 6020	D
Iron	**31000**	9.8	mg/kg (dry)	021909 0831	022309 1742	APS	EPA 6010B	B2, D, B
Manganese	**4900**	0.98	mg/kg (dry)	021909 0957	022009 1428	PRM	EPA 6020	D
Nickel	**67**	0.98	mg/kg (dry)	021909 0957	022609 1234	PRM	EPA 6020	D
Lead	**8.5**	0.98	mg/kg (dry)	021909 0957	022009 1428	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	021909 0957	022309 1911	PRM	EPA 6020	D
Selenium	ND	0.98	mg/kg (dry)	021909 0957	022009 1428	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	021909 0831	022309 1742	APS	EPA 6010B	B3, D
Thallium	ND	0.98	mg/kg (dry)	021909 0957	022009 1428	PRM	EPA 6020	D
Vanadium	**120**	0.98	mg/kg (dry)	021909 0957	022009 1428	PRM	EPA 6020	D
Zinc	**84**	9.8	mg/kg (dry)	021909 0957	022009 1428	PRM	EPA 6020	D

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Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-34

09B0125-31 (Soil) Sampled: 02/12/2009 11:15; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Vinyl chloride	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Bromomethane	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Chloroethane	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Acetone	ND	2700	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Carbon disulfide	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Methylene Chloride	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	
trans-1,2-Dichloroethene	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	
1,1-Dichloroethane	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2700	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Chloroform	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Benzene	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Trichloroethene	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
1,2-Dichloropropane	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2700	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Toluene	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Tetrachloroethene	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Dibromochloromethane	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Chlorobenzene	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Ethylbenzene	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-34

09B0125-31 (Soil) Sampled: 02/12/2009 11:15; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
m,p-Xylenes	ND	1100	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
o-Xylene	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Styrene	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Bromoform	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	**2700**	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	D
1,1,2,2-Tetrachloroethane	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	530	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Total Xylenes	ND	1600	ug/kg dry	021209 1115	021909 1702	EMG	EPA 8260B	U, D
Surrogate: Dibromofluoromethane		*89.2%*	*80-120*	*021209 1115*	*021909 1702*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*91.8%*	*80-120*	*021209 1115*	*021909 1702*		*EPA 8260B*	
Surrogate: Toluene-d8		*92.8%*	*75-120*	*021209 1115*	*021909 1702*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*99.9%*	*60-149*	*021209 1115*	*021909 1702*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Phenol	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
2-Chlorophenol	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
2-Methylphenol	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Hexachloroethane	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Nitrobenzene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Isophorone	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
1,2,4-Trichlorobenzene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-34

09B0125-31 (Soil) Sampled: 02/12/2009 11:15; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Naphthalene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
4-Chloroaniline	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Hexachlorobutadiene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
2-Methylnaphthalene	**16000**	4400	ug/kg dry	022509 1400	022709 1556	MST	EPA 8270C	D
Hexachlorocyclopentadiene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
2-Chloronaphthalene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Acenaphthylene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	
2,6-Dinitrotoluene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Acenaphthene	**1200**	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	
2,4-Dinitrophenol	ND	2300	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Dibenzofuran	**720**	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	
2,4-Dinitrotoluene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Fluorene	**1800**	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	
Diethylphthalate	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	E6, U
Hexachlorobenzene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	E6, U
Pentachlorophenol	ND	2300	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	E6, U
Phenanthrene	**3200**	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	E6
Anthracene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	E6, U
Carbazole	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	E6, U
Di-n-butylphthalate	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	E6, U
Fluoranthene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	E6, U
Pyrene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	890	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Benz(a)anthracene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Chrysene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-34

09B0125-31 (Soil) Sampled: 02/12/2009 11:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Benzo[a]pyrene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	440	ug/kg dry	022509 1400	022709 1351	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*66.9%*	*26-118*	*022509 1400*	*022709 1351*		*EPA 8270C*	
Surrogate: Phenol-d5		*72.1%*	*25-135*	*022509 1400*	*022709 1351*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*66.8%*	*41-135*	*022509 1400*	*022709 1351*		*EPA 8270C*	
rogate: 2-Fluorobiphenyl		*66.2%*	*47-128*	*022509 1400*	*022709 1351*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*61.9%*	*28-130*	*022509 1400*	*022709 1351*		*EPA 8270C*	*E6*
Surrogate: Terphenyl-d14		*90.4%*	*37-128*	*022509 1400*	*022709 1351*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	**140**	3.2	mg/kg	021209 1115	021709 2150	EMG	EPA 8015B	D
Surrogate: a,a,a-Trifluorotoluene		*98.6%*	*52.9-156*	*021209 1115*	*021709 2150*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	**1800**	10	mg/kg	022509 1300	022609 1629	MST	EPA 8015B	
Surrogate: n-Pentacosane		*92.1%*	*73-125*	*022509 1300*	*022609 1629*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-34

09B0125-31 (Soil) Sampled: 02/12/2009 11:15; Type: Composite

Microbac Laboratories, Inc-Chicagoland Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Herbicides								
Dinoseb	ND	2000	µg/Kg	022209 1508	022509 0009	MLT	EPA 1851	
Dalapon	ND	2000	µg/Kg	022209 1508	022509 0009	MLT	EPA 1851	
2,4,5-TP (Silvex)	**1.7**	2000	µg/Kg	022209 1508	022509 0009	MLT	EPA 1851	
2,4-D	ND	2000	µg/Kg	022209 1508	022509 0009	MLT	EPA 1851	
Surrogate: DCAA		*%*	*10-114*	*022209 1508*	*022509 0009*		*EPA 1851*	

Microbac Laboratories, Inc., Baltimore Division

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-Dup 04

09B0125-32 (Soil) Sampled: 02/12/2009 11:40; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**80.71**	0.05	% by Weight	021709 1100	021709 1100	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.030	mg/kg dry	022009 1205	022309 1105	APS	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	1.9	mg/kg (dry)	021909 0957	022009 1432	PRM	EPA 6020	D
Aluminum	**8900**	12	mg/kg (dry)	021909 0831	022309 1746	APS	EPA 6010B	D
rsenic	ND	0.97	mg/kg (dry)	021909 0957	022009 1432	PRM	EPA 6020	D
Barium	**41**	0.97	mg/kg (dry)	021909 0957	022609 1238	PRM	EPA 6020	D
Beryllium	ND	1.2	mg/kg (dry)	021909 0831	022309 1746	APS	EPA 6010B	D
Cadmium	**0.26**	0.0097	mg/kg (dry)	021909 0957	022609 1238	PRM	EPA 6020	B2, D, B
Chromium	**65**	1.9	mg/kg (dry)	021909 0957	022009 1432	PRM	EPA 6020	D
Copper	**19**	0.97	mg/kg (dry)	021909 0957	022609 1238	PRM	EPA 6020	D
Iron	**24000**	9.7	mg/kg (dry)	021909 0831	022309 1746	APS	EPA 6010B	B2, D, B
Manganese	**3000**	0.97	mg/kg (dry)	021909 0957	022009 1432	PRM	EPA 6020	D
Nickel	**25**	0.97	mg/kg (dry)	021909 0957	022609 1238	PRM	EPA 6020	D
Lead	**5.4**	0.97	mg/kg (dry)	021909 0957	022009 1432	PRM	EPA 6020	D
Antimony	ND	1.9	mg/kg (dry)	021909 0957	022309 1915	PRM	EPA 6020	D
Selenium	ND	0.97	mg/kg (dry)	021909 0957	022009 1432	PRM	EPA 6020	D
Tin	ND	19	mg/kg (dry)	021909 0831	022309 1746	APS	EPA 6010B	B3, D
Thallium	ND	0.97	mg/kg (dry)	021909 0957	022009 1432	PRM	EPA 6020	D
Vanadium	**93**	0.97	mg/kg (dry)	021909 0957	022009 1432	PRM	EPA 6020	D
Zinc	**37**	9.7	mg/kg (dry)	021909 0957	022009 1432	PRM	EPA 6020	D

Microbac Laboratories, Inc., Baltimore Division

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SB-Dup 04

09B0125-32 (Soil) Sampled: 02/12/2009 11:40; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Vinyl chloride	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Bromomethane	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Chloroethane	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Acetone	ND	2400	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Carbon disulfide	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Methylene Chloride	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Methyl-tert-Butyl Ether	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U
trans-1,2-Dichloroethene	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U,
1,1-Dichloroethane	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Methyl Ethyl Ketone (2-Butanone)	ND	2400	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Chloroform	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Benzene	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Trichloroethene	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
1,2-Dichloropropane	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	2400	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Toluene	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Tetrachloroethene	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Dibromochloromethane	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Chlorobenzene	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Ethylbenzene	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D

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SB-Dup 04

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Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylenes	ND	960	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
o-Xylene	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Styrene	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Bromoform	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	**690**	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	D
1,1,2,2-Tetrachloroethane	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	480	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
Total Xylenes	ND	1400	ug/kg dry	021209 1140	021909 1627	EMG	EPA 8260B	U, D
rogate: Dibromofluoromethane		*97.2%*	*80-120*	*021209 1140*	*021909 1627*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*94.3%*	*80-120*	*021209 1140*	*021909 1627*		*EPA 8260B*	
Surrogate: Toluene-d8		*93.8%*	*75-120*	*021209 1140*	*021909 1627*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*96.4%*	*60-149*	*021209 1140*	*021909 1627*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Chloroethyl)ether	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Phenol	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
2-Chlorophenol	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
2-Methylphenol	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Hexachloroethane	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Nitrobenzene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Isophorone	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
1,2,4-Trichlorobenzene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-Dup 04

09B0125-32 (Soil) Sampled: 02/12/2009 11:40; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Naphthalene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
4-Chloroaniline	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Hexachlorobutadiene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
2-Methylnaphthalene	**6300**	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	
Hexachlorocyclopentadiene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
2-Chloronaphthalene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Acenaphthylene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	
2,6-Dinitrotoluene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	
Acenaphthene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2100	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Dibenzofuran	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Fluorene	**750**	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	
Diethylphthalate	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Hexachlorobenzene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Pentachlorophenol	ND	2100	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Phenanthrene	**1400**	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	
Anthracene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Carbazole	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Di-n-butylphthalate	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Fluoranthene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Pyrene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	830	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Benz(a)anthracene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Chrysene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-Dup 04

09B0125-32 (Soil) Sampled: 02/12/2009 11:40; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Benzo[a]pyrene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	410	ug/kg dry	022509 1400	022609 1818	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*74.6%*	*26-118*	*022509 1400*	*022609 1818*		*EPA 8270C*	
Surrogate: Phenol-d5		*81.2%*	*25-135*	*022509 1400*	*022609 1818*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*75.9%*	*41-135*	*022509 1400*	*022609 1818*		*EPA 8270C*	
rogate: 2-Fluorobiphenyl		*76.7%*	*47-128*	*022509 1400*	*022609 1818*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*78.5%*	*28-130*	*022509 1400*	*022609 1818*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*91.8%*	*37-128*	*022509 1400*	*022609 1818*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	79	3.1	mg/kg	021209 1140	021709 2223	EMG	EPA 8015B	D
Surrogate: a,a,a-Trifluorotoluene		*99.1%*	*52.9-156*	*021209 1140*	*021709 2223*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	1100	10	mg/kg	022509 1300	022609 1713	MST	EPA 8015B	
Surrogate: n-Pentacosane		*110%*	*73-125*	*022509 1300*	*022609 1713*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5000	ug/kg		022709 0000		EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-Dup 04

09B0125-32 (Soil) Sampled: 02/12/2009 11:40; Type: Composite

Microbac Laboratories, Inc-Chicagoland Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Herbicides								
Dinoseb	ND	2000	µg/Kg	022209 1508	022509 0043	MLT	EPA 1851	
Dalapon	ND	2000	µg/Kg	022209 1508	022509 0043	MLT	EPA 1851	
2,4-D	ND	2000	µg/Kg	022209 1508	022509 0043	MLT	EPA 1851	
2,4,5-TP (Silvex)	ND	2000	µg/Kg	022209 1508	022509 0043	MLT	EPA 1851	
Surrogate: DCAA		*%*	*10-114*	*022209 1508*	*022509 0043*		*EPA 1851*	

Microbac Laboratories, Inc., Baltimore Division

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Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

Field Blank

09B0125-33 (Water) Sampled: 02/13/2009 00:00; Type: Field Blank

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Vinyl chloride	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Bromomethane	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Chloroethane	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
1,1-Dichloroethene	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Acetone	ND	5.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Carbon disulfide	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Methylene Chloride	**0.34**	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	J
Methyl-tert-Butyl Ether	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
trans-1,2-Dichloroethene	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
1,1-Dichloroethane	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
cis-1,2-Dichloroethene	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Chloroform	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
1,1,1-Trichloroethane	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Carbon Tetrachloride	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Benzene	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
1,2-Dichloroethane	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Trichloroethene	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
1,2-Dichloropropane	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Bromodichloromethane	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Methyl Isobutyl Ketone	ND	5.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
cis-1,3-Dichloropropene	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Toluene	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
trans-1,3-Dichloropropene	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
1,1,2-Trichloroethane	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
1,2-Dibromoethane	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Tetrachloroethene	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Dibromochloromethane	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Chlorobenzene	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

Field Blank

09B0125-33 (Water) Sampled: 02/13/2009 00:00; Type: Field Blank

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Ethylbenzene	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
m,p-Xylenes	ND	2.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
o-Xylene	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Styrene	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Bromoform	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Isopropylbenzene (Cumene)	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	U
Total Xylenes	ND	3.0	ug/L	022509 1323	022509 1323	EMG	EPA 8260B	
Surrogate: Dibromofluoromethane		*97.2%*	*80-120*	*022509 1323*	*022509 1323*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*94.5%*	*80-120*	*022509 1323*	*022509 1323*		*EPA 8260B*	
Surrogate: Toluene-d8		*93.7%*	*75-120*	*022509 1323*	*022509 1323*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*88.9%*	*60-149*	*022509 1323*	*022509 1323*		*EPA 8260B*	

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

Trip Blank

09B0125-34 (Water) Sampled: 02/02/2009 00:00; Type: Field Blank

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Vinyl chloride	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Bromomethane	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Chloroethane	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
1,1-Dichloroethene	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Acetone	ND	5.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Carbon disulfide	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Methylene Chloride	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Methyl-tert-Butyl Ether	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
trans-1,2-Dichloroethene	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
1,1-Dichloroethane	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
cis-1,2-Dichloroethene	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Chloroform	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
1,1,1-Trichloroethane	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Carbon Tetrachloride	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Benzene	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
1,2-Dichloroethane	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Trichloroethene	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
1,2-Dichloropropane	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Bromodichloromethane	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Methyl Isobutyl Ketone	ND	5.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
cis-1,3-Dichloropropene	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Toluene	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
trans-1,3-Dichloropropene	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
1,1,2-Trichloroethane	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
1,2-Dibromoethane	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Tetrachloroethene	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Dibromochloromethane	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Chlorobenzene	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Ethylbenzene	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U

Microbac Laboratories, Inc., Baltimore Division

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

Trip Blank

09B0125-34 (Water) Sampled: 02/02/2009 00:00; Type: Field Blank

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylenes	ND	2.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
o-Xylene	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Styrene	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Bromoform	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Isopropylbenzene (Cumene)	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Total Xylenes	ND	3.0	ug/L	022509 1359	022509 1359	EMG	EPA 8260B	H1, U
Surrogate: Dibromofluoromethane		*98.0%*	*80-120*	*022509 1359*	*022509 1359*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*94.2%*	*80-120*	*022509 1359*	*022509 1359*		*EPA 8260B*	
Surrogate: Toluene-d8		*95.4%*	*75-120*	*022509 1359*	*022509 1359*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*89.2%*	*60-149*	*022509 1359*	*022509 1359*		*EPA 8260B*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-12

09B0125-35 (Ground Water) Sampled: 02/13/2009 10:35; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Mercury, Dissolved by EPA 200 Series Methods								
Mercury	ND	0.00020	mg/L	021809 1210	021909 1340	HG	EPA 245.1	
Metals, Dissolved by EPA 200 Series Methods								
Silver	ND	0.0020	mg/L	021809 0840	022009 1232	PRM	EPA 200.8/6020	D
Aluminum	ND	0.025	mg/L	021809 0817	021909 1351	APS	EPA 200.7/6010B	
Arsenic	ND	0.0050	mg/L	021809 0840	022009 1232	PRM	EPA 200.8/6020	D
Barium	**0.42**	0.0050	mg/L	021809 0840	022009 1232	PRM	EPA 200.8/6020	D
Beryllium	ND	0.0025	mg/L	021809 0817	021909 1351	APS	EPA 200.7/6010B	
Cadmium	**0.0021**	0.00050	mg/L	021809 0840	022009 1232	PRM	EPA 200.8/6020	D
Chromium	ND	0.0025	mg/L	021809 0840	022009 1232	PRM	EPA 200.8/6020	D
Copper	**0.0039**	0.0020	mg/L	021809 0840	022009 1232	PRM	EPA 200.8/6020	D
Iron	ND	0.0050	mg/L	021809 0817	021909 1351	APS	EPA 200.7/6010B	
Manganese	**3.8**	0.0050	mg/L	021809 0840	022009 1232	PRM	EPA 200.8/6020	D
Nickel	**0.12**	0.0050	mg/L	021809 0840	022009 1232	PRM	EPA 200.8/6020	D
Lead	ND	0.0020	mg/L	021809 0840	022009 1232	PRM	EPA 200.8/6020	D
Antimony	**0.010**	0.0050	mg/L	021809 0840	022609 1707	PRM	EPA 200.8/6020	D
Selenium	ND	0.0050	mg/L	021809 0840	022009 1232	PRM	EPA 200.8/6020	D
Tin	ND	0.040	mg/L	021809 0817	021909 1351	APS	EPA 200.7/6010B	
Thallium	ND	0.0020	mg/L	021809 0840	022009 1232	PRM	EPA 200.8/6020	D
Vanadium	ND	0.0050	mg/L	021809 0840	022009 1232	PRM	EPA 200.8/6020	D
Zinc	**0.099**	0.020	mg/L	021809 0840	022009 1232	PRM	EPA 200.8/6020	D
Volatile Organic Compounds by EPA Method 8260B								
Chloromethane	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Vinyl chloride	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Bromomethane	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Chloroethane	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
1,1-Dichloroethene	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Acetone	ND	5.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Carbon disulfide	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-12

09B0125-35 (Ground Water) Sampled: 02/13/2009 10:35; Type: Grab

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Methylene Chloride	**0.82**	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	J
Methyl-tert-Butyl Ether	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
trans-1,2-Dichloroethene	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
1,1-Dichloroethane	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
cis-1,2-Dichloroethene	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Chloroform	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
1,1,1-Trichloroethane	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Carbon Tetrachloride	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	
Benzene	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
1,2-Dichloroethane	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Trichloroethene	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
1,2-Dichloropropane	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Bromodichloromethane	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Methyl Isobutyl Ketone	ND	5.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
cis-1,3-Dichloropropene	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Toluene	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
trans-1,3-Dichloropropene	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
1,1,2-Trichloroethane	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
1,2-Dibromoethane	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Tetrachloroethene	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Dibromochloromethane	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Chlorobenzene	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Ethylbenzene	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
m,p-Xylenes	ND	2.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
o-Xylene	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Styrene	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Bromoform	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Isopropylbenzene (Cumene)	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U

Microbac Laboratories, Inc., Baltimore Division

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Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-12

09B0125-35 (Ground Water) Sampled: 02/13/2009 10:35; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	U
Total Xylenes	**0.32**	3.0	ug/L	022509 1434	022509 1434	EMG	EPA 8260B	J
Surrogate: Dibromofluoromethane		*111%*	*80-120*	*022509 1434*	*022509 1434*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*107%*	*80-120*	*022509 1434*	*022509 1434*		*EPA 8260B*	
Surrogate: Toluene-d8		*83.0%*	*75-120*	*022509 1434*	*022509 1434*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*91.4%*	*60-149*	*022509 1434*	*022509 1434*		*EPA 8260B*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	40	ug/L	022509 1212	022509 1212	EMG	EPA 8015B	V6, U
Surrogate: a,a,a-Trifluorotoluene		*111%*	*86-135*	*022509 1212*	*022509 1212*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Simazine	ND	3	ug/L		022509 0000		EPA 505	
Glyphosate	ND	100	ug/L		022609 0000		EPA 547	
Microbac Laboratories, Inc-Chicagoland Division								
Herbicides								
Dalapon	ND	200	µg/L	022509 1454	030209 1511	MLT	EPA 1851	
2,4-D	ND	70	µg/L	022509 1454	030209 1511	MLT	EPA 1851	
2,4,5-TP (Silvex)	**0.29**	50	µg/L	022509 1454	030209 1511	MLT	EPA 1851	
Dinoseb	ND	7	µg/L	022509 1454	030209 1511	MLT	EPA 1851	
Surrogate: DCAA		*%*	*10-82.9*	*022509 1454*	*030209 1511*		*EPA 1851*	
Semivolatile Organic Compounds								
Diethyl phthalate	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Di(2-ethylhexyl) phthalate	**1.6**	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
2-Methylphenol	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-12

09B0125-35 (Ground Water) Sampled: 02/13/2009 10:35; Type: Grab

Microbac Laboratories, Inc-Chicagoland Division

Semivolatile Organic Compounds

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Dibenz[a,h]anthracene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
1,4-Dichlorobenzene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Hexachlorocyclopentadiene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Di-n-butyl phthalate	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Hexachlorobenzene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Chrysene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Fluoranthene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
2,4-Dinitrotoluene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
2-Methylnaphthalene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Hexachlorobutadiene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Dibenzofuran	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Benzo[b]fluoranthene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Acenaphthene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
1,3-Dichlorobenzene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
3/4-Methylphenol	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Acenaphthylene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Anthracene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Benzo[a]anthracene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Bis(2-chloroisopropyl)ether	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Benzo[a]pyrene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
1,2,4-Trichlorobenzene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Benzo[g,h,i]perylene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Benzo[k]fluoranthene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
3,3'-Dichlorobenzidine	ND	51	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Fluorene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Bis(2-chloroethyl)ether	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Hexachloroethane	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Bis(2-ethylhexyl)phthalate	**1.6**	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
1,2-Dichlorobenzene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Phenanthrene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-12

09B0125-35 (Ground Water) Sampled: 02/13/2009 10:35; Type: Grab

Microbac Laboratories, Inc-Chicagoland Division

Semivolatile Organic Compounds

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Pentachlorophenol	ND	51	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Phenol	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
2-Chlorophenol	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
N-Nitrosodiphenylamine	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
4-Chloroaniline	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
2-Chloronaphthalene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
2,4,5-Trichlorophenol	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
N-Nitrosodi-n-propylamine	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
laphthalene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
ndeno[1,2,3cd]pyrene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
2,4-Dinitrophenol	ND	51	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Isophorone	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Pyrene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
2,4-Dimethylphenol	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Nitrobenzene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Carbazole	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
2,4-Dichlorophenol	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
2,4,6-Trichlorophenol	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
2,6-Dinitrotoluene	ND	10	µg/L	021909 0937	022009 0045	BEM	EPA 8270C	
Surrogate: 2-Fluorophenol		*%*	*10-84.7*	*021909 0937*	*022009 0045*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*%*	*10-120*	*021909 0937*	*022009 0045*		*EPA 8270C*	
Surrogate: Phenol-d5		*%*	*10-100*	*021909 0937*	*022009 0045*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*%*	*10-130*	*021909 0937*	*022009 0045*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*%*	*10-109*	*021909 0937*	*022009 0045*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*%*	*10-121*	*021909 0937*	*022009 0045*		*EPA 8270C*	

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GW-12

09B0125-35 (Ground Water) Sampled: 02/13/2009 10:35; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Total Petroleum Hydrocarbons								
Diesel Range Organics	ND	10	µg/L	022009 1430	022109 0617	MLT	Diesel Range Organics (C10 to C28)	
Surrogate: Decafluorobiphenyl		*%*	*78.7-118*	*022009 1430*	*022109 0617*		*Diesel Range Organics (C10 to C28)*	

Microbac Laboratories, Inc., Baltimore Division

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-13

09B0125-36 (Ground Water) Sampled: 02/13/2009 11:20; Type: Grab

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Mercury, Dissolved by EPA 200 Series Methods								
Mercury	ND	0.00020	mg/L	021809 1210	021909 1342	HG	EPA 245.1	
Metals, Dissolved by EPA 200 Series Methods								
Silver	**0.0073**	0.0020	mg/L	021809 0840	022009 1235	PRM	EPA 200.8/6020	D
Aluminum	ND	0.025	mg/L	021809 0817	021909 1355	APS	EPA 200.7/6010B	
Arsenic	**2.6**	0.0050	mg/L	021809 0840	022009 1235	PRM	EPA 200.8/6020	D
Barium	**0.41**	0.0050	mg/L	021809 0840	022009 1235	PRM	EPA 200.8/6020	D
Beryllium	ND	0.0025	mg/L	021809 0817	021909 1355	APS	EPA 200.7/6010B	
admium	**0.017**	0.00050	mg/L	021809 0840	022009 1235	PRM	EPA 200.8/6020	D
Chromium	**0.86**	0.0025	mg/L	021809 0840	022009 1235	PRM	EPA 200.8/6020	D
Copper	**0.036**	0.0020	mg/L	021809 0840	022009 1235	PRM	EPA 200.8/6020	D
Iron	**0.23**	0.0050	mg/L	021809 0817	021909 1355	APS	EPA 200.7/6010B	
Manganese	**3.7**	0.0050	mg/L	021809 0840	022009 1235	PRM	EPA 200.8/6020	D
Nickel	**0.14**	0.0050	mg/L	021809 0840	022009 1235	PRM	EPA 200.8/6020	D
Lead	**0.017**	0.0020	mg/L	021809 0840	022009 1235	PRM	EPA 200.8/6020	D
Antimony	ND	0.0050	mg/L	021809 0840	022609 1710	PRM	EPA 200.8/6020	D
Selenium	ND	0.0050	mg/L	021809 0840	022009 1235	PRM	EPA 200.8/6020	D
Tin	ND	0.040	mg/L	021809 0817	021909 1355	APS	EPA 200.7/6010B	
Thallium	**0.033**	0.0020	mg/L	021809 0840	022009 1235	PRM	EPA 200.8/6020	D
Vanadium	**0.54**	0.0050	mg/L	021809 0840	022009 1235	PRM	EPA 200.8/6020	D
Zinc	**0.20**	0.020	mg/L	021809 0840	022009 1235	PRM	EPA 200.8/6020	D
Volatile Organic Compounds by EPA Method 8260B								
Chloromethane	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Vinyl chloride	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Bromomethane	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Chloroethane	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
1,1-Dichloroethene	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Acetone	ND	5.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-13

09B0125-36 (Ground Water) Sampled: 02/13/2009 11:20; Type: Grab

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Carbon disulfide	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Methylene Chloride	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Methyl-tert-Butyl Ether	**2.2**	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	
trans-1,2-Dichloroethene	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
1,1-Dichloroethane	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
cis-1,2-Dichloroethene	**0.76**	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	J
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Chloroform	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
1,1,1-Trichloroethane	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	
Carbon Tetrachloride	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	
Benzene	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
1,2-Dichloroethane	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Trichloroethene	**6.7**	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	
1,2-Dichloropropane	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Bromodichloromethane	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Methyl Isobutyl Ketone	ND	5.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
cis-1,3-Dichloropropene	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Toluene	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
trans-1,3-Dichloropropene	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
1,1,2-Trichloroethane	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
1,2-Dibromoethane	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Tetrachloroethene	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Dibromochloromethane	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Chlorobenzene	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Ethylbenzene	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
m,p-Xylenes	ND	2.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
o-Xylene	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Styrene	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Bromoform	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Isopropylbenzene (Cumene)	**8.0**	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-13

09B0125-36 (Ground Water) Sampled: 02/13/2009 11:20; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	U
Total Xylenes	**0.33**	3.0	ug/L	022509 1510	022509 1510	EMG	EPA 8260B	J
Surrogate: Dibromofluoromethane		*99.2%*	*80-120*	*022509 1510*	*022509 1510*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*96.6%*	*80-120*	*022509 1510*	*022509 1510*		*EPA 8260B*	
Surrogate: Toluene-d8		*92.6%*	*75-120*	*022509 1510*	*022509 1510*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*89.2%*	*60-149*	*022509 1510*	*022509 1510*		*EPA 8260B*	
soline Range Organics (C6 to C10)								
Gasoline Range Organics	**120**	40	ug/L	022509 1245	022509 1245	EMG	EPA 8015B	R2, V6
Surrogate: a,a,a-Trifluorotoluene		*92.4%*	*86-135*	*022509 1245*	*022509 1245*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Simazine	ND	3	ug/L		022509 0000		EPA 505	
Glyphosate	ND	100	ug/L		022609 0000		EPA 547	
Microbac Laboratories, Inc-Chicagoland Division								
Herbicides								
Dinoseb	ND	7	µg/L	021909 0853	022409 1758	MLT	EPA 1851	
2,4-D	ND	70	µg/L	021909 0853	022409 1758	MLT	EPA 1851	
Dalapon	ND	200	µg/L	021909 0853	022409 1758	MLT	EPA 1851	
2,4,5-TP (Silvex)	ND	50	µg/L	021909 0853	022409 1758	MLT	EPA 1851	
Surrogate: DCAA		*%*	*10-82.9*	*021909 0853*	*022409 1758*		*EPA 1851*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-13

09B0125-36 (Ground Water) Sampled: 02/13/2009 11:20; Type: Grab

Microbac Laboratories, Inc-Chicagoland Division

Semivolatile Organic Compounds

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Benzo[k]fluoranthene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Bis(2-chloroethyl)ether	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Pyrene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Benzo[g,h,i]perylene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Benzo[b]fluoranthene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Benzo[a]pyrene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Benzo[a]anthracene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Anthracene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Acenaphthylene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Acenaphthene	**3.4**	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
N-Nitrosodiphenylamine	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Hexachloroethane	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Isophorone	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Hexachlorocyclopentadiene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Naphthalene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Hexachlorobutadiene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Hexachlorobenzene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Fluorene	**6**	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Nitrobenzene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Phenol	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Di-n-butyl phthalate	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Diethyl phthalate	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Dibenzofuran	**2.6**	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Pentachlorophenol	ND	51	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Dibenz[a,h]anthracene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Di(2-ethylhexyl) phthalate	**3**	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Phenanthrene	**6.4**	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Chrysene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Indeno[1,2,3cd]pyrene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Fluoranthene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-13

09B0125-36 (Ground Water) Sampled: 02/13/2009 11:20; Type: Grab

Microbac Laboratories, Inc-Chicagoland Division

Semivolatile Organic Compounds

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Carbazole	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Bis(2-ethylhexyl)phthalate	**3**	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Bis(2-chloroisopropyl)ether	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
N-Nitrosodi-n-propylamine	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
2,4-Dichlorophenol	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
3,3'-Dichlorobenzidine	ND	51	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
1,2,4-Trichlorobenzene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
2,4,6-Trichlorophenol	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Chloroaniline	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
,,4-Dichlorobenzene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
2-Methylnaphthalene	**77**	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
3/4-Methylphenol	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
2-Chloronaphthalene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
2,4,5-Trichlorophenol	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
1,2-Dichlorobenzene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
2,6-Dinitrotoluene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
2,4-Dimethylphenol	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
1,3-Dichlorobenzene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
2,4-Dinitrophenol	ND	51	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
2,4-Dinitrotoluene	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
2-Chlorophenol	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
2-Methylphenol	ND	10	µg/L	021909 0937	022009 0109	BEM	EPA 8270C	
Surrogate: Terphenyl-d14		*%*	*10-130*	*021909 0937*	*022009 0109*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*%*	*10-121*	*021909 0937*	*022009 0109*		*EPA 8270C*	
Surrogate: Phenol-d5		*%*	*10-100*	*021909 0937*	*022009 0109*		*EPA 8270C*	
Surrogate: 2-Fluorophenol		*%*	*10-84.7*	*021909 0937*	*022009 0109*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*%*	*10-120*	*021909 0937*	*022009 0109*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*%*	*10-109*	*021909 0937*	*022009 0109*		*EPA 8270C*	

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Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-13

09B0125-36 (Ground Water) Sampled: 02/13/2009 11:20; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Total Petroleum Hydrocarbons								
Diesel Range Organics	ND	10	µg/L	022009 1430	022109 0659	MLT	Diesel Range Organics (C10 to C28)	
Surrogate: Decafluorobiphenyl		*%*	*78.7-118*	*022009 1430*	*022109 0659*		*Diesel Range Organics (C10 to C28)*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-Dup 02

09B0125-37 (Ground Water) Sampled: 02/13/2009 00:00; Type: Grab

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Mercury, Dissolved by EPA 200 Series Methods								
Mercury	ND	0.00020	mg/L	021809 1210	021909 1344	HG	EPA 245.1	
Metals, Dissolved by EPA 200 Series Methods								
Silver	ND	0.0020	mg/L	021809 0840	022009 1239	PRM	EPA 200.8/6020	D
Aluminum	ND	0.025	mg/L	021809 0817	021909 1359	APS	EPA 200.7/6010B	
Arsenic	ND	0.0050	mg/L	021809 0840	022009 1239	PRM	EPA 200.8/6020	D
Barium	**0.089**	0.0050	mg/L	021809 0840	022009 1239	PRM	EPA 200.8/6020	D
Beryllium	ND	0.0025	mg/L	021809 0817	021909 1359	APS	EPA 200.7/6010B	
Cadmium	ND	0.00050	mg/L	021809 0840	022009 1239	PRM	EPA 200.8/6020	D
Chromium	ND	0.0025	mg/L	021809 0840	022009 1239	PRM	EPA 200.8/6020	D
Copper	ND	0.0020	mg/L	021809 0840	022009 1239	PRM	EPA 200.8/6020	D
Iron	ND	0.0050	mg/L	021809 0817	021909 1359	APS	EPA 200.7/6010B	
Manganese	**0.071**	0.0050	mg/L	021809 0840	022009 1239	PRM	EPA 200.8/6020	D
Nickel	ND	0.0050	mg/L	021809 0840	022009 1239	PRM	EPA 200.8/6020	D
Lead	ND	0.0020	mg/L	021809 0840	022009 1239	PRM	EPA 200.8/6020	D
Antimony	ND	0.0050	mg/L	021809 0840	022609 1714	PRM	EPA 200.8/6020	D
Selenium	**0.0099**	0.0050	mg/L	021809 0840	022009 1239	PRM	EPA 200.8/6020	D
Tin	ND	0.040	mg/L	021809 0817	021909 1359	APS	EPA 200.7/6010B	
Thallium	ND	0.0020	mg/L	021809 0840	022009 1239	PRM	EPA 200.8/6020	D
Vanadium	ND	0.0050	mg/L	021809 0840	022009 1239	PRM	EPA 200.8/6020	D
Zinc	ND	0.020	mg/L	021809 0840	022009 1239	PRM	EPA 200.8/6020	D
Volatile Organic Compounds by EPA Method 8260B								
Chloromethane	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Vinyl chloride	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Bromomethane	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Chloroethane	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
1,1-Dichloroethene	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Acetone	ND	5.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Carbon disulfide	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U

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Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-Dup 02

09B0125-37 (Ground Water) Sampled: 02/13/2009 00:00; Type: Grab

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Methylene Chloride	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Methyl-tert-Butyl Ether	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
trans-1,2-Dichloroethene	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
1,1-Dichloroethane	**1.0**	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	
cis-1,2-Dichloroethene	**7.2**	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Chloroform	**7.4**	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	
1,1,1-Trichloroethane	**2.5**	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	
Carbon Tetrachloride	**3.2**	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	
Benzene	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
1,2-Dichloroethane	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Trichloroethene	**15**	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	
1,2-Dichloropropane	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Bromodichloromethane	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Methyl Isobutyl Ketone	ND	5.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
cis-1,3-Dichloropropene	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Toluene	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
trans-1,3-Dichloropropene	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
1,1,2-Trichloroethane	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
1,2-Dibromoethane	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Tetrachloroethene	**13**	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	
Dibromochloromethane	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Chlorobenzene	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Ethylbenzene	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
m,p-Xylenes	ND	2.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
o-Xylene	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Styrene	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Bromoform	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Isopropylbenzene (Cumene)	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-Dup 02

09B0125-37 (Ground Water) Sampled: 02/13/2009 00:00; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Total Xylenes	ND	3.0	ug/L	022509 1547	022509 1547	EMG	EPA 8260B	U
Surrogate: Dibromofluoromethane		*95.9%*	*80-120*	*022509 1547*	*022509 1547*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*95.3%*	*80-120*	*022509 1547*	*022509 1547*		*EPA 8260B*	
Surrogate: Toluene-d8		*92.8%*	*75-120*	*022509 1547*	*022509 1547*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*91.1%*	*60-149*	*022509 1547*	*022509 1547*		*EPA 8260B*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	40	ug/L	022509 1435	022509 1435	EMG	EPA 8015B	V6, U
Surrogate: a,a,a-Trifluorotoluene		*80.8%*	*86-135*	*022509 1435*	*022509 1435*		*EPA 8015B*	*S4*
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Simazine	ND	3	ug/L		022509 0000		EPA 505	
Glyphosate	ND	100	ug/L		022609 0000		EPA 547	
Microbac Laboratories, Inc-Chicagoland Division								
Herbicides								
Dalapon	ND	200	µg/L	021909 0853	022409 1833	MLT	EPA 1851	
Dinoseb	ND	7	µg/L	021909 0853	022409 1833	MLT	EPA 1851	
2,4,5-TP (Silvex)	ND	50	µg/L	021909 0853	022409 1833	MLT	EPA 1851	
2,4-D	ND	70	µg/L	021909 0853	022409 1833	MLT	EPA 1851	
Surrogate: DCAA		*%*	*10-82.9*	*021909 0853*	*022409 1833*		*EPA 1851*	
Semivolatile Organic Compounds								
2,4-Dinitrophenol	ND	49	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Benzo[b]fluoranthene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
2,4-Dimethylphenol	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Benzo[a]pyrene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	

Microbac Laboratories, Inc., Baltimore Division

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-Dup 02

09B0125-37 (Ground Water) Sampled: 02/13/2009 00:00; Type: Grab

Microbac Laboratories, Inc-Chicagoland Division

Semivolatile Organic Compounds

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
2,4-Dichlorophenol	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Phenanthrene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Chrysene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Hexachloroethane	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Pentachlorophenol	ND	49	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
3/4-Methylphenol	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
2-Chloronaphthalene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Pyrene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Bis(2-ethylhexyl)phthalate	**1.8**	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Hexachlorocyclopentadiene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Hexachlorobenzene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Carbazole	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Phenol	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
2-Chlorophenol	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
3,3'-Dichlorobenzidine	ND	49	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Dibenzofuran	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Bis(2-chloroethyl)ether	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
2,6-Dinitrotoluene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Diethyl phthalate	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
2,4-Dinitrotoluene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Benzo[k]fluoranthene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Benzo[g,h,i]perylene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
2-Methylphenol	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Bis(2-chloroisopropyl)ether	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
1,2-Dichlorobenzene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Di-n-butyl phthalate	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Dibenz[a,h]anthracene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Naphthalene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
1,4-Dichlorobenzene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Acenaphthylene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-Dup 02

09B0125-37 (Ground Water) Sampled: 02/13/2009 00:00; Type: Grab

Microbac Laboratories, Inc-Chicagoland Division

Semivolatile Organic Compounds

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
2,4,6-Trichlorophenol	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
N-Nitrosodi-n-propylamine	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Nitrobenzene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
1,2,4-Trichlorobenzene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Acenaphthene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Fluoranthene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
1,3-Dichlorobenzene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Benzo[a]anthracene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
N-Nitrosodiphenylamine	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Anthracene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
4-Chloroaniline	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Indeno[1,2,3cd]pyrene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
2-Methylnaphthalene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Hexachlorobutadiene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
2,4,5-Trichlorophenol	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Isophorone	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Fluorene	ND	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Di(2-ethylhexyl) phthalate	**1.8**	9.8	µg/L	021909 0937	022009 0133	BEM	EPA 8270C	
Surrogate: Phenol-d5		%	*10-100*	*021909 0937*	*022009 0133*		*EPA 8270C*	
Surrogate: Terphenyl-d14		%	*10-130*	*021909 0937*	*022009 0133*		*EPA 8270C*	
Surrogate: 2-Fluorophenol		%	*10-84.7*	*021909 0937*	*022009 0133*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		%	*10-109*	*021909 0937*	*022009 0133*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		%	*10-120*	*021909 0937*	*022009 0133*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		%	*10-121*	*021909 0937*	*022009 0133*		*EPA 8270C*	

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-Dup 02

09B0125-37 (Ground Water) Sampled: 02/13/2009 00:00; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Total Petroleum Hydrocarbons								
Diesel Range Organics	ND	10	µg/L	022009 1430	022109 0741	MLT	Diesel Range Organics (C10 to C28)	
Surrogate: Decafluorobiphenyl			%	*78.7-118*	*022009 1430*	*022109 0741*		*Diesel Range Organics (C10 to C28)*

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-MW5

09B0125-38 (Ground Water) Sampled: 02/13/2009 12:30; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Mercury, Dissolved by EPA 200 Series Methods								
Mercury	ND	0.00020	mg/L	021809 1210	021909 1347	HG	EPA 245.1	
Metals, Dissolved by EPA 200 Series Methods								
Silver	ND	0.0020	mg/L	021809 0840	022009 1253	PRM	EPA 200.8/6020	D
Aluminum	**14**	0.025	mg/L	021809 0817	021909 1403	APS	EPA 200.7/6010B	
Arsenic	ND	0.0050	mg/L	021809 0840	022009 1253	PRM	EPA 200.8/6020	D
Barium	**0.018**	0.0050	mg/L	021809 0840	022009 1253	PRM	EPA 200.8/6020	D
Beryllium	**0.0037**	0.0025	mg/L	021809 0817	021909 1403	APS	EPA 200.7/6010B	
Cadmium	**0.029**	0.00050	mg/L	021809 0840	022009 1253	PRM	EPA 200.8/6020	D
Chromium	ND	0.0025	mg/L	021809 0840	022009 1253	PRM	EPA 200.8/6020	D
Copper	**0.043**	0.0020	mg/L	021809 0840	022009 1253	PRM	EPA 200.8/6020	D
Iron	ND	0.0050	mg/L	021809 0817	021909 1403	APS	EPA 200.7/6010B	
Manganese	**11**	0.0050	mg/L	021809 0840	022009 1253	PRM	EPA 200.8/6020	D
Nickel	**0.23**	0.0050	mg/L	021809 0840	022009 1253	PRM	EPA 200.8/6020	D
Lead	ND	0.0020	mg/L	021809 0840	022009 1253	PRM	EPA 200.8/6020	D
Antimony	ND	0.0050	mg/L	021809 0840	022609 1718	PRM	EPA 200.8/6020	D
Selenium	**0.0059**	0.0050	mg/L	021809 0840	022009 1253	PRM	EPA 200.8/6020	D
Tin	ND	0.040	mg/L	021809 0817	021909 1403	APS	EPA 200.7/6010B	
Thallium	ND	0.0020	mg/L	021809 0840	022009 1253	PRM	EPA 200.8/6020	D
Vanadium	ND	0.0050	mg/L	021809 0840	022009 1253	PRM	EPA 200.8/6020	D
Zinc	**0.32**	0.020	mg/L	021809 0840	022009 1253	PRM	EPA 200.8/6020	D
Volatile Organic Compounds by EPA Method 8260B								
Chloromethane	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
Vinyl chloride	**57**	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	
Bromomethane	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
Chloroethane	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
1,1-Dichloroethene	**8.3**	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	
Acetone	ND	5.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U

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GW-MW5

09B0125-38 (Ground Water) Sampled: 02/13/2009 12:30; Type: Grab

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Carbon disulfide	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
Methylene Chloride	**1.1**	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	
Methyl-tert-Butyl Ether	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
trans-1,2-Dichloroethene	**13**	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	
1,1-Dichloroethane	**24**	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	
cis-1,2-Dichloroethene	**310**	10	ug/L	022609 1244	022609 1244	EMG	EPA 8260B	A12, D
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
Chloroform	**2.5**	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	
1,1,1-Trichloroethane	**15**	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	
Carbon Tetrachloride	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
Benzene	**2.0**	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	
1,2-Dichloroethane	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
Trichloroethene	**520**	10	ug/L	022609 1244	022609 1244	EMG	EPA 8260B	A12, D
1,2-Dichloropropane	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
Bromodichloromethane	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
Methyl Isobutyl Ketone	ND	5.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
cis-1,3-Dichloropropene	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
Toluene	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
trans-1,3-Dichloropropene	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
1,1,2-Trichloroethane	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
1,2-Dibromoethane	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
Tetrachloroethene	**500**	10	ug/L	022609 1244	022609 1244	EMG	EPA 8260B	A12, D
Dibromochloromethane	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
Chlorobenzene	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
Ethylbenzene	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
m,p-Xylenes	ND	2.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
o-Xylene	**0.57**	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	J
Styrene	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
Bromoform	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U

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Microbac Laboratories, Inc.

Baltimore Division

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-MW5

09B0125-38 (Ground Water) Sampled: 02/13/2009 12:30; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
Isopropylbenzene (Cumene)	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	U
Total Xylenes	**0.57**	3.0	ug/L	022509 1847	022509 1847	EMG	EPA 8260B	J
Surrogate: Dibromofluoromethane		*93.0%*	*80-120*	*022509 1847*	*022509 1847*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*92.8%*	*80-120*	*022509 1847*	*022509 1847*		*EPA 8260B*	
Surrogate: Toluene-d8		*95.2%*	*75-120*	*022509 1847*	*022509 1847*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*91.1%*	*60-149*	*022509 1847*	*022509 1847*		*EPA 8260B*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	**370**	40	ug/L	022509 1508	022509 1508	EMG	EPA 8015B	V6
Surrogate: a,a,a-Trifluorotoluene		*91.4%*	*86-135*	*022509 1508*	*022509 1508*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Simazine	ND	3	ug/L		022509 0000		EPA 505	
Glyphosate	ND	100	ug/L		022609 0000		EPA 547	
Microbac Laboratories, Inc-Chicagoland Division								
Herbicides								
2,4,5-TP (Silvex)	ND	50	µg/L	021909 0853	022409 1906	MLT	EPA 1851	
2,4-D	ND	70	µg/L	021909 0853	022409 1906	MLT	EPA 1851	
Dalapon	ND	200	µg/L	021909 0853	022409 1906	MLT	EPA 1851	
Dinoseb	ND	7	µg/L	021909 0853	022409 1906	MLT	EPA 1851	
Surrogate: DCAA		*%*	*10-82.9*	*021909 0853*	*022409 1906*		*EPA 1851*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-MW5

09B0125-38 (Ground Water) Sampled: 02/13/2009 12:30; Type: Grab

Microbac Laboratories, Inc-Chicagoland Division

Semivolatile Organic Compounds

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Carbazole	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
1,4-Dichlorobenzene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Nitrobenzene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Isophorone	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Chrysene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
N-Nitrosodiphenylamine	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Pentachlorophenol	ND	49	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Phenanthrene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
N-Nitrosodi-n-propylamine	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Di(2-ethylhexyl) phthalate	**1.7**	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
2-Methylphenol	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Phenol	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
2-Chlorophenol	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Indeno[1,2,3cd]pyrene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Dibenz[a,h]anthracene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Pyrene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Hexachloroethane	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Acenaphthylene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
2,4,6-Trichlorophenol	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
2,4-Dinitrotoluene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Benzo[a]anthracene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
2,4,5-Trichlorophenol	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Anthracene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Bis(2-ethylhexyl)phthalate	**1.7**	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Hexachlorobenzene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
2,4-Dichlorophenol	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
1,2,4-Trichlorobenzene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Fluoranthene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
4-Chloroaniline	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
1,3-Dichlorobenzene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-MW5

09B0125-38 (Ground Water) Sampled: 02/13/2009 12:30; Type: Grab

Microbac Laboratories, Inc-Chicagoland Division

Semivolatile Organic Compounds

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Acenaphthene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Fluorene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Di-n-butyl phthalate	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Diethyl phthalate	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Dibenzofuran	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Bis(2-chloroisopropyl)ether	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Bis(2-chloroethyl)ether	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
3,3'-Dichlorobenzidine	ND	49	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
6-Dinitrotoluene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Dimethyl phthalate	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Naphthalene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
3/4-Methylphenol	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
2-Chloronaphthalene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
2,4-Dinitrophenol	ND	49	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Benzo[g,h,i]perylene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Hexachlorocyclopentadiene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
2-Methylnaphthalene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Benzo[b]fluoranthene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
2,4-Dimethylphenol	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Benzo[a]pyrene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Hexachlorobutadiene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Benzo[k]fluoranthene	ND	9.8	µg/L	021909 0937	022009 0157	BEM	EPA 8270C	
Surrogate: Terphenyl-d14		*%*	*10-130*	*021909 0937*	*022009 0157*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*%*	*10-109*	*021909 0937*	*022009 0157*		*EPA 8270C*	
Surrogate: Phenol-d5		*%*	*10-100*	*021909 0937*	*022009 0157*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*%*	*10-121*	*021909 0937*	*022009 0157*		*EPA 8270C*	
Surrogate: 2-Fluorophenol		*%*	*10-84.7*	*021909 0937*	*022009 0157*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*%*	*10-120*	*021909 0937*	*022009 0157*		*EPA 8270C*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-MW5

09B0125-38 (Ground Water) Sampled: 02/13/2009 12:30; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Total Petroleum Hydrocarbons								
Diesel Range Organics	ND	10	µg/L	022009 1430	022109 0823	MLT	Diesel Range Organics (C10 to C28)	
Surrogate: Decafluorobiphenyl		*%*	*78.7-118*	*022009 1430*	*022109 0823*		*Diesel Range Organics (C10 to C28)*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-MW1A

09B0125-39 (Ground Water) Sampled: 02/13/2009 14:15; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Mercury, Dissolved by EPA 200 Series Methods								
Mercury	ND	0.00020	mg/L	021809 1210	021909 1349	HG	EPA 245.1	
Metals, Dissolved by EPA 200 Series Methods								
Silver	ND	0.0020	mg/L	021809 0840	022009 1309	PRM	EPA 200.8/6020	D
Aluminum	ND	0.025	mg/L	021809 0817	021909 1408	APS	EPA 200.7/6010B	
Arsenic	ND	0.0050	mg/L	021809 0840	022009 1309	PRM	EPA 200.8/6020	D
Barium	**0.091**	0.0050	mg/L	021809 0840	022009 1309	PRM	EPA 200.8/6020	D
Beryllium	ND	0.0025	mg/L	021809 0817	021909 1408	APS	EPA 200.7/6010B	
admium	ND	0.00050	mg/L	021809 0840	022009 1309	PRM	EPA 200.8/6020	D
Chromium	ND	0.0025	mg/L	021809 0840	022009 1309	PRM	EPA 200.8/6020	D
Copper	ND	0.0020	mg/L	021809 0840	022009 1309	PRM	EPA 200.8/6020	D
Iron	ND	0.0050	mg/L	021809 0817	021909 1408	APS	EPA 200.7/6010B	
Manganese	**0.073**	0.0050	mg/L	021809 0840	022009 1309	PRM	EPA 200.8/6020	D
Nickel	ND	0.0050	mg/L	021809 0840	022009 1309	PRM	EPA 200.8/6020	D
Lead	ND	0.0020	mg/L	021809 0840	022009 1309	PRM	EPA 200.8/6020	D
Antimony	ND	0.0050	mg/L	021809 0840	022609 1733	PRM	EPA 200.8/6020	D
Selenium	**0.0085**	0.0050	mg/L	021809 0840	022009 1309	PRM	EPA 200.8/6020	D
Tin	ND	0.040	mg/L	021809 0817	021909 1408	APS	EPA 200.7/6010B	
Thallium	ND	0.0020	mg/L	021809 0840	022009 1309	PRM	EPA 200.8/6020	D
Vanadium	ND	0.0050	mg/L	021809 0840	022009 1309	PRM	EPA 200.8/6020	D
Zinc	ND	0.020	mg/L	021809 0840	022009 1309	PRM	EPA 200.8/6020	D
Volatile Organic Compounds by EPA Method 8260B								
Chloromethane	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Vinyl chloride	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Bromomethane	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Chloroethane	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
1,1-Dichloroethene	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Acetone	ND	5.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Carbon disulfide	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-MW1A

09B0125-39 (Ground Water) Sampled: 02/13/2009 14:15; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
Methylene Chloride	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Methyl-tert-Butyl Ether	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
trans-1,2-Dichloroethene	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
1,1-Dichloroethane	**1.2**	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	
cis-1,2-Dichloroethene	**7.8**	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Chloroform	**7.8**	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	
1,1,1-Trichloroethane	**2.9**	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	
Carbon Tetrachloride	**3.4**	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	
Benzene	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
1,2-Dichloroethane	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Trichloroethene	**17**	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	
1,2-Dichloropropane	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Bromodichloromethane	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Methyl Isobutyl Ketone	ND	5.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
cis-1,3-Dichloropropene	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Toluene	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
trans-1,3-Dichloropropene	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
1,1,2-Trichloroethane	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
1,2-Dibromoethane	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Tetrachloroethene	**15**	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	
Dibromochloromethane	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Chlorobenzene	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Ethylbenzene	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
m,p-Xylenes	ND	2.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
o-Xylene	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Styrene	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Bromoform	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Isopropylbenzene (Cumene)	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U

Microbac Laboratories, Inc., Baltimore Division

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GW-MW1A

09B0125-39 (Ground Water) Sampled: 02/13/2009 14:15; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Total Xylenes	ND	3.0	ug/L	022509 1735	022509 1735	EMG	EPA 8260B	U
Surrogate: Dibromofluoromethane		*92.0%*	*80-120*	*022509 1735*	*022509 1735*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*90.6%*	*80-120*	*022509 1735*	*022509 1735*		*EPA 8260B*	
Surrogate: Toluene-d8		*94.1%*	*75-120*	*022509 1735*	*022509 1735*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*92.6%*	*60-149*	*022509 1735*	*022509 1735*		*EPA 8260B*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	40	ug/L	022509 1541	022509 1541	EMG	EPA 8015B	V6, U
Surrogate: a,a,a-Trifluorotoluene		*74.8%*	*86-135*	*022509 1541*	*022509 1541*		*EPA 8015B*	*S3*
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Simazine	ND	3	ug/L		022509 0000		EPA 505	
Glyphosate	ND	100	ug/L		022609 0000		EPA 547	
Microbac Laboratories, Inc-Chicagoland Division								
Herbicides								
Dalapon	ND	200	µg/L	021909 0853	022409 1940	MLT	EPA 1851	
2,4,5-TP (Silvex)	ND	50	µg/L	021909 0853	022409 1940	MLT	EPA 1851	
Dinoseb	ND	7	µg/L	021909 0853	022409 1940	MLT	EPA 1851	
2,4-D	ND	70	µg/L	021909 0853	022409 1940	MLT	EPA 1851	
Surrogate: DCAA		*%*	*10-82.9*	*021909 0853*	*022409 1940*		*EPA 1851*	
Semivolatile Organic Compounds								
Indeno[1,2,3cd]pyrene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Hexachlorobutadiene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Hexachlorocyclopentadiene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Hexachlorobenzene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-MW1A

09B0125-39 (Ground Water) Sampled: 02/13/2009 14:15; Type: Grab

Microbac Laboratories, Inc-Chicagoland Division

Semivolatile Organic Compounds

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Hexachloroethane	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
2,4-Dimethylphenol	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
2,4-Dichlorophenol	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
2,4,6-Trichlorophenol	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
2,4,5-Trichlorophenol	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
2,4-Dinitrotoluene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
1,4-Dichlorobenzene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
2,6-Dinitrotoluene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
1,2,4-Trichlorobenzene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
1,2-Dichlorobenzene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
1,3-Dichlorobenzene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Phenol	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Naphthalene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Nitrobenzene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
N-Nitrosodi-n-propylamine	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
N-Nitrosodiphenylamine	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
2,4-Dinitrophenol	ND	49	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Phenanthrene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Isophorone	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
2-Chlorophenol	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Pyrene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Fluorene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
2-Chloronaphthalene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Pentachlorophenol	ND	49	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
3,3'-Dichlorobenzidine	ND	49	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Benzo[g,h,i]perylene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Benzo[k]fluoranthene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Benzo[b]fluoranthene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Bis(2-chloroethyl)ether	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
3/4-Methylphenol	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Benzo[a]pyrene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-MW1A

09B0125-39 (Ground Water) Sampled: 02/13/2009 14:15; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Semivolatile Organic Compounds								
Bis(2-chloroisopropyl)ether	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Benzo[a]anthracene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Dibenzofuran	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Bis(2-ethylhexyl)phthalate	**1.6**	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Dibenz[a,h]anthracene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Di(2-ethylhexyl) phthalate	**1.6**	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
2-Methylphenol	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Acenaphthylene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
cenaphthene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Anthracene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
4-Chloroaniline	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Diethyl phthalate	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
2-Methylnaphthalene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Di-n-butyl phthalate	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Chrysene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Fluoranthene	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Carbazole	ND	9.8	µg/L	021909 0937	022009 0221	BEM	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol		*%*	*10-120*	*021909 0937*	*022009 0221*		*EPA 8270C*	
Surrogate: 2-Fluorophenol		*%*	*10-84.7*	*021909 0937*	*022009 0221*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*%*	*10-121*	*021909 0937*	*022009 0221*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*%*	*10-109*	*021909 0937*	*022009 0221*		*EPA 8270C*	
Surrogate: Phenol-d5		*%*	*10-100*	*021909 0937*	*022009 0221*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*%*	*10-130*	*021909 0937*	*022009 0221*		*EPA 8270C*	

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GW-MW1A

09B0125-39 (Ground Water) Sampled: 02/13/2009 14:15; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Total Petroleum Hydrocarbons								
Diesel Range Organics	ND	10	µg/L	022009 1430	022109 0905	MLT	Diesel Range Organics (C10 to C28)	
Surrogate: Decafluorobiphenyl		*%*	*78.7-118*	*022009 1430*	*022109 0905*		*Diesel Range Organics (C10 to C28)*	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-MS01

09B0125-40 (Ground Water) Sampled: 02/13/2009 12:30; Type: Grab

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Mercury, Dissolved by EPA 200 Series Methods								
Mercury	ND	0.00020	mg/L	021809 1210	021909 1351	HG	EPA 245.1	
Metals, Dissolved by EPA 200 Series Methods								
Silver	ND	0.0020	mg/L	021809 0840	022009 1313	PRM	EPA 200.8/6020	D
Aluminum	**14**	0.025	mg/L	021809 0817	021909 1419	APS	EPA 200.7/6010B	
Arsenic	ND	0.0050	mg/L	021809 0840	022009 1313	PRM	EPA 200.8/6020	D
Barium	**0.018**	0.0050	mg/L	021809 0840	022009 1313	PRM	EPA 200.8/6020	D
Beryllium	**0.0039**	0.0025	mg/L	021809 0817	021909 1419	APS	EPA 200.7/6010B	
admium	**0.031**	0.00050	mg/L	021809 0840	022009 1313	PRM	EPA 200.8/6020	D
Chromium	ND	0.0025	mg/L	021809 0840	022009 1313	PRM	EPA 200.8/6020	D
Copper	**0.045**	0.0020	mg/L	021809 0840	022009 1313	PRM	EPA 200.8/6020	D
Iron	ND	0.0050	mg/L	021809 0817	021909 1419	APS	EPA 200.7/6010B	
Manganese	**11**	0.0050	mg/L	021809 0840	022009 1313	PRM	EPA 200.8/6020	D
Nickel	**0.24**	0.0050	mg/L	021809 0840	022009 1313	PRM	EPA 200.8/6020	D
Lead	ND	0.0020	mg/L	021809 0840	022009 1313	PRM	EPA 200.8/6020	D
Antimony	ND	0.0050	mg/L	021809 0840	022609 1736	PRM	EPA 200.8/6020	D
Selenium	**0.0059**	0.0050	mg/L	021809 0840	022009 1313	PRM	EPA 200.8/6020	D
Tin	ND	0.040	mg/L	021809 0817	021909 1419	APS	EPA 200.7/6010B	
Thallium	ND	0.0020	mg/L	021809 0840	022009 1313	PRM	EPA 200.8/6020	D
Vanadium	ND	0.0050	mg/L	021809 0840	022009 1313	PRM	EPA 200.8/6020	D
Zinc	**0.33**	0.020	mg/L	021809 0840	022009 1313	PRM	EPA 200.8/6020	D
Volatile Organic Compounds by EPA Method 8260B								
Chloromethane	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
Vinyl chloride	**58**	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	
Bromomethane	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
Chloroethane	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
1,1-Dichloroethene	**7.8**	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	
Acetone	ND	5.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U

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CERTIFICATE OF ANALYSIS

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-MS01

09B0125-40 (Ground Water) Sampled: 02/13/2009 12:30; Type: Grab

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Carbon disulfide	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
Methylene Chloride	**1.1**	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	
Methyl-tert-Butyl Ether	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
trans-1,2-Dichloroethene	**13**	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	
1,1-Dichloroethane	**24**	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	
cis-1,2-Dichloroethene	**320**	10	ug/L	022609 1319	022609 1319	EMG	EPA 8260B	A12, D
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
Chloroform	**2.6**	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	
1,1,1-Trichloroethane	**15**	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	
Carbon Tetrachloride	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
Benzene	**2.0**	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	
1,2-Dichloroethane	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
Trichloroethene	**530**	10	ug/L	022609 1319	022609 1319	EMG	EPA 8260B	A12, D
1,2-Dichloropropane	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
Bromodichloromethane	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
Methyl Isobutyl Ketone	ND	5.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
cis-1,3-Dichloropropene	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
Toluene	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
trans-1,3-Dichloropropene	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
1,1,2-Trichloroethane	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
1,2-Dibromoethane	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
Tetrachloroethene	**540**	10	ug/L	022609 1319	022609 1319	EMG	EPA 8260B	A12, D
Dibromochloromethane	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
Chlorobenzene	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
Ethylbenzene	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
m,p-Xylenes	ND	2.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
o-Xylene	**0.57**	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	J
Styrene	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
Bromoform	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U

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Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-MS01

09B0125-40 (Ground Water) Sampled: 02/13/2009 12:30; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
Isopropylbenzene (Cumene)	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	U
Total Xylenes	**0.57**	3.0	ug/L	022509 1811	022509 1811	EMG	EPA 8260B	J
Surrogate: Dibromofluoromethane		*92.8%*	*80-120*	*022509 1811*	*022509 1811*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*94.8%*	*80-120*	*022509 1811*	*022509 1811*		*EPA 8260B*	
Surrogate: Toluene-d8		*97.5%*	*75-120*	*022509 1811*	*022509 1811*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*89.9%*	*60-149*	*022509 1811*	*022509 1811*		*EPA 8260B*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	**210**	40	ug/L	022509 1637	022509 1637	EMG	EPA 8015B	V6
Surrogate: a,a,a-Trifluorotoluene		*96.0%*	*86-135*	*022509 1637*	*022509 1637*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Simazine	ND	3	ug/L		022509 0000		EPA 505	
Glyphosate	ND	100	ug/L		022609 0000		EPA 547	
Microbac Laboratories, Inc-Chicagoland Division								
Herbicides								
2,4-D	ND	70	µg/L	021909 0853	022409 2121	MLT	EPA 1851	
Dinoseb	ND	7	µg/L	021909 0853	022409 2121	MLT	EPA 1851	
Dalapon	ND	200	µg/L	021909 0853	022409 2121	MLT	EPA 1851	
2,4,5-TP (Silvex)	ND	50	µg/L	021909 0853	022409 2121	MLT	EPA 1851	
Surrogate: DCAA		*%*	*10-82.9*	*021909 0853*	*022409 2121*		*EPA 1851*	

Microbac Laboratories, Inc., Baltimore Division

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GW-MS01

09B0125-40 (Ground Water) Sampled: 02/13/2009 12:30; Type: Grab

Microbac Laboratories, Inc-Chicagoland Division

Semivolatile Organic Compounds

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
3,3'-Dichlorobenzidine	ND	49	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Benzo[k]fluoranthene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
2,4-Dinitrotoluene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Phenol	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Phenanthrene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
2,6-Dinitrotoluene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Bis(2-chloroethyl)ether	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Pyrene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
2-Chloronaphthalene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
2-Methylphenol	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Carbazole	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
2-Chlorophenol	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Bis(2-ethylhexyl)phthalate	**1.6**	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Hexachlorobenzene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Bis(2-chloroisopropyl)ether	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
1,3-Dichlorobenzene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
4-Chloroaniline	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
1,2-Dichlorobenzene	**15**	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Acenaphthene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
1,2,4-Trichlorobenzene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Acenaphthylene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Benzo[b]fluoranthene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
1,4-Dichlorobenzene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Benzo[g,h,i]perylene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
2,4,5-Trichlorophenol	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Benzo[a]anthracene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
2,4,6-Trichlorophenol	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
2,4-Dichlorophenol	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Benzo[a]pyrene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
2,4-Dimethylphenol	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-MS01

09B0125-40 (Ground Water) Sampled: 02/13/2009 12:30; Type: Grab

Microbac Laboratories, Inc-Chicagoland Division

Semivolatile Organic Compounds

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Pentachlorophenol	ND	49	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
3/4-Methylphenol	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
2,4-Dinitrophenol	ND	49	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Anthracene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Dibenz[a,h]anthracene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Chrysene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Hexachlorocyclopentadiene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
2-Methylnaphthalene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Dibenzofuran	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Hexachloroethane	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Hexachlorobutadiene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Diethyl phthalate	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Indeno[1,2,3cd]pyrene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Isophorone	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Di(2-ethylhexyl) phthalate	**1.6**	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Naphthalene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Nitrobenzene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
N-Nitrosodi-n-propylamine	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
N-Nitrosodiphenylamine	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Fluoranthene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Di-n-butyl phthalate	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Fluorene	ND	9.8	µg/L	021909 0937	022009 0245	BEM	EPA 8270C	
Surrogate: Phenol-d5		*%*	*10-100*	*021909 0937*	*022009 0245*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*%*	*10-120*	*021909 0937*	*022009 0245*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*%*	*10-130*	*021909 0937*	*022009 0245*		*EPA 8270C*	
Surrogate: 2-Fluorophenol		*%*	*10-84.7*	*021909 0937*	*022009 0245*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*%*	*10-121*	*021909 0937*	*022009 0245*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*%*	*10-109*	*021909 0937*	*022009 0245*		*EPA 8270C*	

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Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-MS01

09B0125-40 (Ground Water) Sampled: 02/13/2009 12:30; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Total Petroleum Hydrocarbons								
Diesel Range Organics	ND	10	µg/L	022009 1430	022109 0946	MLT	Diesel Range Organics (C10 to C28)	
Surrogate: Decafluorobiphenyl		*%*	*78.7-118*	*022009 1430*	*022109 0946*		*Diesel Range Organics (C10 to C28)*	

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KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SG-11

09B0125-41 (Air) Sampled: 02/12/2009 00:00; Type: Composite

Microbac Laboratories, Inc-Chicagoland Division

Toxic Organics in Air by GC/MS

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Hexachlorobutadiene	ND	20	ppbv		022309 2038	MAK	TO-15	
Trichloroethene	**2700**	150	ppbv		022409 1028	MAK	TO-15	
Hexane	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Vinyl acetate	ND	20	ppbv		022309 2038	MAK	TO-15	
m,p-Xylene	**3**	9.8	ppbv		022309 2038	MAK	TO-15	
Vinyl chloride	**36**	4.9	ppbv		022309 2038	MAK	TO-15	
Chloroethane	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Chloromethane	ND	20	ppbv		022309 2038	MAK	TO-15	
:nzene	ND	4.9	ppbv		022309 2038	MAK	TO-15	
4-Methyl-2-Pentanone	**96**	4.9	ppbv		022309 2038	MAK	TO-15	
cis-1,3-Dichloropropene	ND	4.9	ppbv		022309 2038	MAK	TO-15	
trans-1,3-Dichloropropene	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Trichlorofluoromethane	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Methyl-t-butyl ether	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Tetrachloroethene	**4300**	150	ppbv		022409 1028	MAK	TO-15	
trans-1,2-Dichloroethene	**460**	60	ppbv		022309 2326	MAK	TO-15	
Chlorobenzene	ND	4.9	ppbv		022309 2038	MAK	TO-15	
4-Ethyltoluene	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Surrogate: 4-Bromofluorobenzene		*1.101%*	*77.7-127*		*022309 2038*		*TO-15*	
1,1,2-Trichloroethane	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Ethyl benzene	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Tetrahydrofuran	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Methylene chloride	**7.2**	39	ppbv		022309 2038	MAK	TO-15	
Chloroform	**310**	60	ppbv		022309 2326	MAK	TO-15	
cis-1,2-Dichloroethene	**2100**	60	ppbv		022309 2326	MAK	TO-15	
Carbon tetrachloride	**16**	4.9	ppbv		022309 2038	MAK	TO-15	
Heptane	ND	4.9	ppbv		022309 2038	MAK	TO-15	
1,1-Dichloroethene	**6.9**	4.9	ppbv		022309 2038	MAK	TO-15	
1,1-Dichloroethane	**930**	60	ppbv		022309 2326	MAK	TO-15	

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SG-11

09B0125-41 (Air) Sampled: 02/12/2009 00:00; Type: Composite

Microbac Laboratories, Inc-Chicagoland Division

Toxic Organics in Air by GC/MS

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Dichlorodifluoromethane	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Ethyl acetate	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Dibromochloromethane	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Cyclohexane	ND	4.9	ppbv		022309 2038	MAK	TO-15	
1,2,4-Trichlorobenzene	ND	20	ppbv		022309 2038	MAK	TO-15	
1,1,2-Trichloro-1,2,2-Trifluoroetha ne	**15**	4.9	ppbv		022309 2038	MAK	TO-15	
1,2-Dichloroethane	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Acetone	**480**	240	ppbv		022309 2326	MAK	TO-15	
2-Butanone	**61**	20	ppbv		022309 2038	MAK	TO-15	
1,4-Dioxane	ND	20	ppbv		022309 2038	MAK	TO-15	
Styrene	ND	4.9	ppbv		022309 2038	MAK	TO-15	
1,4-Dichlorobenzene	ND	4.9	ppbv		022309 2038	MAK	TO-15	
1,2-Dichloropropane	ND	4.9	ppbv		022309 2038	MAK	TO-15	
1,1,2,2-Tetrachloroethane	ND	4.9	ppbv		022309 2038	MAK	TO-15	
1,2-Dichlorotetrafluoroethane	ND	4.9	ppbv		022309 2038	MAK	TO-15	
1,3-Dichlorobenzene	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Bromoform	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Bromomethane	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Toluene	**21**	4.9	ppbv		022309 2038	MAK	TO-15	
Propylene	ND	9.8	ppbv		022309 2038	MAK	TO-15	
Bromodichloromethane	ND	4.9	ppbv		022309 2038	MAK	TO-15	
1,1,1-Trichloroethane	**1300**	60	ppbv		022309 2326	MAK	TO-15	
Benzyl chloride	ND	4.9	ppbv		022309 2038	MAK	TO-15	
2-Propanol	**330**	240	ppbv		022309 2326	MAK	TO-15	
1,3,5-Trimethylbenzene	ND	4.9	ppbv		022309 2038	MAK	TO-15	
o-Xylene	ND	4.9	ppbv		022309 2038	MAK	TO-15	
Carbon disulfide	ND	9.8	ppbv		022309 2038	MAK	TO-15	
2-Hexanone	ND	20	ppbv		022309 2038	MAK	TO-15	
1,2-Dichlorobenzene	ND	4.9	ppbv		022309 2038	MAK	TO-15	

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09B0125-41 (Air) Sampled: 02/12/2009 00:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Toxic Organics in Air by GC/MS								
1,2,4-Trimethylbenzene	ND	4.9	ppbv		022309 2038	MAK	TO-15	
1,3-Butadiene	ND	4.9	ppbv		022309 2038	MAK	TO-15	
1,2-Dibromoethane	ND	4.9	ppbv		022309 2038	MAK	TO-15	

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SG-12

09B0125-42 (Air) Sampled: 02/12/2009 00:00; Type: Composite

Microbac Laboratories, Inc-Chicagoland Division

Toxic Organics in Air by GC/MS

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Bromodichloromethane	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Bromoform	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Styrene	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Propylene	**0.75**	1	ppbv		022309 2244	MAK	TO-15	
o-Xylene	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Cyclohexane	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Methylene chloride	**43**	40	ppbv		022309 1958	MAK	TO-15	
Dichlorodifluoromethane	**0.44**	0.5	ppbv		022309 2244	MAK	TO-15	
cis-1,3-Dichloropropene	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Dibromochloromethane	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Bromomethane	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Methyl-t-butyl ether	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Carbon disulfide	ND	1	ppbv		022309 2244	MAK	TO-15	
2-Propanol	**870**	100	ppbv		022409 0008	MAK	TO-15	
Vinyl acetate	ND	2	ppbv		022309 2244	MAK	TO-15	
Vinyl chloride	ND	0.5	ppbv		022309 2244	MAK	TO-15	
1,4-Dichlorobenzene	**0.26**	0.5	ppbv		022309 2244	MAK	TO-15	
Trichlorofluoromethane	ND	0.5	ppbv		022309 2244	MAK	TO-15	
2-Hexanone	ND	2	ppbv		022309 2244	MAK	TO-15	
2-Butanone	**0.33**	2	ppbv		022309 2244	MAK	TO-15	
1,2,4-Trichlorobenzene	ND	2	ppbv		022309 2244	MAK	TO-15	
1,2-Dichlorobenzene	ND	0.5	ppbv		022309 2244	MAK	TO-15	
1,2-Dibromoethane	ND	0.5	ppbv		022309 2244	MAK	TO-15	
1,2,4-Trimethylbenzene	ND	0.5	ppbv		022309 2244	MAK	TO-15	
1,4-Dioxane	ND	2	ppbv		022309 2244	MAK	TO-15	
Chloroethane	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Chloroform	**0.82**	0.5	ppbv		022309 2244	MAK	TO-15	
m,p-Xylene	ND	1	ppbv		022309 2244	MAK	TO-15	
1,3,5-Trimethylbenzene	ND	0.5	ppbv		022309 2244	MAK	TO-15	
1,3-Butadiene	ND	0.5	ppbv		022309 2244	MAK	TO-15	

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SG-12

09B0125-42 (Air) Sampled: 02/12/2009 00:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Toxic Organics in Air by GC/MS								
4-Methyl-2-Pentanone	ND	0.5	ppbv		022309 2244	MAK	TO-15	
1,3-Dichlorobenzene	**0.27**	0.5	ppbv		022309 2244	MAK	TO-15	
Benzyl chloride	ND	0.5	ppbv		022309 2244	MAK	TO-15	
1,2-Dichlorotetrafluoroethane	ND	0.5	ppbv		022309 2244	MAK	TO-15	
cis-1,2-Dichloroethene	**5.9**	0.5	ppbv		022309 2244	MAK	TO-15	
1,1-Dichloroethane	**2.5**	0.5	ppbv		022309 2244	MAK	TO-15	
Ethyl acetate	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Acetone	**4.5**	2	ppbv		022309 2244	MAK	TO-15	
1,2-Trichloroethane	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Toluene	**1.6**	0.5	ppbv		022309 2244	MAK	TO-15	
Benzene	**0.3**	0.5	ppbv		022309 2244	MAK	TO-15	
Ethyl benzene	ND	0.5	ppbv		022309 2244	MAK	TO-15	
1,2-Dichloroethane	ND	0.5	ppbv		022309 2244	MAK	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Hexachlorobutadiene	ND	2	ppbv		022309 2244	MAK	TO-15	
trans-1,3-Dichloropropene	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Trichloroethene	**10**	0.5	ppbv		022309 2244	MAK	TO-15	
1,1,1-Trichloroethane	**3.6**	0.5	ppbv		022309 2244	MAK	TO-15	
Heptane	ND	0.5	ppbv		022309 2244	MAK	TO-15	
1,1-Dichloroethene	ND	0.5	ppbv		022309 2244	MAK	TO-15	
trans-1,2-Dichloroethene	**1.2**	0.5	ppbv		022309 2244	MAK	TO-15	
Hexane	**3.2**	0.5	ppbv		022309 2244	MAK	TO-15	
4-Ethyltoluene	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Chlorobenzene	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Tetrahydrofuran	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Tetrachloroethene	**11**	0.5	ppbv		022309 2244	MAK	TO-15	
Chloromethane	**0.59**	2	ppbv		022309 2244	MAK	TO-15	
1,1,2-Trichloro-1,2,2-Trifluoroethan	ND	0.5	ppbv		022309 2244	MAK	TO-15	
1,2-Dichloropropane	ND	0.5	ppbv		022309 2244	MAK	TO-15	

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Sparks, MD 21152	Project Manager: Dennis Coyle	

SG-12

09B0125-42 (Air) Sampled: 02/12/2009 00:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Toxic Organics in Air by GC/MS								
Carbon tetrachloride	ND	0.5	ppbv		022309 2244	MAK	TO-15	
Surrogate: 4-Bromofluorobenzene		*0.987%*	*77.7-127*		*022309 2244*		*TO-15*	

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Sparks, MD 21152	Project Manager: Dennis Coyle	

SG-13

09B0125-43 (Air) Sampled: 02/12/2009 00:00; Type: Composite

Microbac Laboratories, Inc-Chicagoland Division

Toxic Organics in Air by GC/MS

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Trichloroethene	**2.6**	0.68	ppbv		022309 2202	MAK	TO-15	
Trichlorofluoromethane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Vinyl acetate	ND	2.7	ppbv		022309 2202	MAK	TO-15	
o-Xylene	ND	0.68	ppbv		022309 2202	MAK	TO-15	
1,2-Dibromoethane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Methyl-t-butyl ether	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Bromoform	ND	0.68	ppbv		022309 2202	MAK	TO-15	
1,2,4-Trimethylbenzene	ND	0.68	ppbv		022309 2202	MAK	TO-15	
1,2,4-Trichlorobenzene	ND	2.7	ppbv		022309 2202	MAK	TO-15	
,3-Dichlorobenzene	ND	0.68	ppbv		022309 2202	MAK	TO-15	
1,1-Dichloroethene	ND	0.68	ppbv		022309 2202	MAK	TO-15	
1,4-Dichlorobenzene	ND	0.68	ppbv		022309 2202	MAK	TO-15	
1,4-Dioxane	ND	2.7	ppbv		022309 2202	MAK	TO-15	
2-Butanone	**1**	2.7	ppbv		022309 2202	MAK	TO-15	
trans-1,3-Dichloropropene	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Bromodichloromethane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Bromomethane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
cis-1,2-Dichloroethene	**0.88**	0.68	ppbv		022309 2202	MAK	TO-15	
cis-1,3-Dichloropropene	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Cyclohexane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Dibromochloromethane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
m,p-Xylene	**0.44**	1.4	ppbv		022309 2202	MAK	TO-15	
Methylene chloride	**1.2**	5.4	ppbv		022309 2202	MAK	TO-15	
Benzyl chloride	ND	0.68	ppbv		022309 2202	MAK	TO-15	
4-Methyl-2-Pentanone	ND	0.68	ppbv		022309 2202	MAK	TO-15	
1,3,5-Trimethylbenzene	ND	0.68	ppbv		022309 2202	MAK	TO-15	
1,1,1-Trichloroethane	**8.4**	0.68	ppbv		022309 2202	MAK	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Benzene	**1.8**	0.68	ppbv		022309 2202	MAK	TO-15	
Carbon disulfide	ND	1.4	ppbv		022309 2202	MAK	TO-15	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SG-13

09B0125-43 (Air) Sampled: 02/12/2009 00:00; Type: Composite

Microbac Laboratories, Inc-Chicagoland Division

Toxic Organics in Air by GC/MS

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
2-Propanol	**160**	20	ppbv		022309 1918	MAK	TO-15	
Carbon tetrachloride	ND	0.68	ppbv		022309 2202	MAK	TO-15	
2-Hexanone	ND	2.7	ppbv		022309 2202	MAK	TO-15	
Chlorobenzene	ND	0.68	ppbv		022309 2202	MAK	TO-15	
1,3-Butadiene	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Acetone	**7.9**	2.7	ppbv		022309 2202	MAK	TO-15	
4-Ethyltoluene	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Heptane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Vinyl chloride	ND	0.68	ppbv		022309 2202	MAK	TO-15	
trans-1,2-Dichloroethene	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Toluene	**16**	0.68	ppbv		022309 2202	MAK	TO-15	
Tetrahydrofuran	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Tetrachloroethene	**3.4**	0.68	ppbv		022309 2202	MAK	TO-15	
Styrene	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Propylene	ND	1.4	ppbv		022309 2202	MAK	TO-15	
Hexane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Hexachlorobutadiene	ND	2.7	ppbv		022309 2202	MAK	TO-15	
Ethyl benzene	**0.48**	0.68	ppbv		022309 2202	MAK	TO-15	
Ethyl acetate	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Dichlorodifluoromethane	**0.53**	0.68	ppbv		022309 2202	MAK	TO-15	
1,1,2-Trichloro-1,2,2-Trifluoroethan	ND	0.68	ppbv		022309 2202	MAK	TO-15	
1,1,2-Trichloroethane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
1,2-Dichlorobenzene	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Chloroethane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Chloromethane	ND	2.7	ppbv		022309 2202	MAK	TO-15	
1,1-Dichloroethane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
1,2-Dichlorotetrafluoroethane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
1,2-Dichloropropane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
1,2-Dichloroethane	ND	0.68	ppbv		022309 2202	MAK	TO-15	
Chloroform	ND	0.68	ppbv		022309 2202	MAK	TO-15	

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SG-13

09B0125-43 (Air) Sampled: 02/12/2009 00:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Toxic Organics in Air by GC/MS								
Surrogate: 4-Bromofluorobenzene		*0.998%*	*77.7-127*		*022309 2202*		*TO-15*	

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SG-14

09B0125-44 (Air) Sampled: 02/12/2009 00:00; Type: Composite

Microbac Laboratories, Inc-Chicagoland Division

Toxic Organics in Air by GC/MS

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
2-Hexanone	ND	2	ppbv		022409 0823	MAK	TO-15	
1,2-Dichloropropane	ND	0.5	ppbv		022409 0823	MAK	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.5	ppbv		022409 0823	MAK	TO-15	
1,1,2-Trichloro-1,2,2-Trifluoroethan	ND	0.5	ppbv		022409 0823	MAK	TO-15	
1,1,2-Trichloroethane	ND	0.5	ppbv		022409 0823	MAK	TO-15	
1,1-Dichloroethane	**0.69**	0.5	ppbv		022409 0823	MAK	TO-15	
1,1-Dichloroethene	ND	0.5	ppbv		022409 0823	MAK	TO-15	
1,2,4-Trichlorobenzene	ND	2	ppbv		022409 0823	MAK	TO-15	
1,2,4-Trimethylbenzene	**0.63**	0.5	ppbv		022409 0823	MAK	TO-15	
1,2-Dibromoethane	ND	0.5	ppbv		022409 0823	MAK	TO-15	
1,2-Dichloroethane	ND	0.5	ppbv		022409 0823	MAK	TO-15	
2-Propanol	**14**	2	ppbv		022409 0823	MAK	TO-15	
1,2-Dichlorotetrafluoroethane	ND	0.5	ppbv		022409 0823	MAK	TO-15	
1,3,5-Trimethylbenzene	ND	0.5	ppbv		022409 0823	MAK	TO-15	
1,3-Butadiene	ND	0.5	ppbv		022409 0823	MAK	TO-15	
1,3-Dichlorobenzene	ND	0.5	ppbv		022409 0823	MAK	TO-15	
1,4-Dichlorobenzene	ND	0.5	ppbv		022409 0823	MAK	TO-15	
1,4-Dioxane	ND	2	ppbv		022409 0823	MAK	TO-15	
2-Butanone	**0.66**	2	ppbv		022409 0823	MAK	TO-15	
1,2-Dichlorobenzene	ND	0.5	ppbv		022409 0823	MAK	TO-15	
1,1,1-Trichloroethane	**100**	0.5	ppbv		022409 0823	MAK	TO-15	
Surrogate: 4-Bromofluorobenzene		*0.964%*	*77.7-127*		*022409 0823*		*TO-15*	
Vinyl acetate	ND	2	ppbv		022409 0823	MAK	TO-15	
4-Ethyltoluene	ND	0.5	ppbv		022409 0823	MAK	TO-15	
4-Methyl-2-Pentanone	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Benzene	**1.4**	0.5	ppbv		022409 0823	MAK	TO-15	
Benzyl chloride	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Trichloroethene	**2.2**	0.5	ppbv		022409 0823	MAK	TO-15	
Methyl-t-butyl ether	ND	0.5	ppbv		022409 0823	MAK	TO-15	

Microbac Laboratories, Inc., Baltimore Division

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Microbac Laboratories, Inc-Chicagoland Division

Toxic Organics in Air by GC/MS

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
o-Xylene	**0.45**	0.5	ppbv		022409 0823	MAK	TO-15	
Propylene	**0.89**	1	ppbv		022409 0823	MAK	TO-15	
Styrene	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Tetrachloroethene	**3.6**	0.5	ppbv		022409 0823	MAK	TO-15	
Tetrahydrofuran	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Toluene	**9.2**	0.5	ppbv		022409 0823	MAK	TO-15	
Acetone	**5.2**	2	ppbv		022409 0823	MAK	TO-15	
trans-1,3-Dichloropropene	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Hexane	**1.9**	0.5	ppbv		022409 0823	MAK	TO-15	
Trichlorofluoromethane	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Vinyl chloride	ND	0.5	ppbv		022409 0823	MAK	TO-15	
trans-1,2-Dichloroethene	ND	0.5	ppbv		022409 0823	MAK	TO-15	
cis-1,3-Dichloropropene	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Bromodichloromethane	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Bromoform	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Bromomethane	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Carbon disulfide	ND	1	ppbv		022409 0823	MAK	TO-15	
Carbon tetrachloride	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Chlorobenzene	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Chloroethane	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Chloroform	**0.27**	0.5	ppbv		022409 0823	MAK	TO-15	
Methylene chloride	**2.8**	4	ppbv		022409 0823	MAK	TO-15	
cis-1,2-Dichloroethene	**1.5**	0.5	ppbv		022409 0823	MAK	TO-15	
m,p-Xylene	**0.97**	1	ppbv		022409 0823	MAK	TO-15	
Cyclohexane	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Dibromochloromethane	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Dichlorodifluoromethane	**0.57**	0.5	ppbv		022409 0823	MAK	TO-15	
Ethyl acetate	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Ethyl benzene	**0.34**	0.5	ppbv		022409 0823	MAK	TO-15	

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Microbac Laboratories, Inc-Chicagoland Division

Toxic Organics in Air by GC/MS

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Heptane	ND	0.5	ppbv		022409 0823	MAK	TO-15	
Hexachlorobutadiene	ND	2	ppbv		022409 0823	MAK	TO-15	
Chloromethane	**0.27**	2	ppbv		022409 0823	MAK	TO-15	
trans-1,2-Dichloroethene	**0.42**	0.5	ppbv		022309 2121	MAK	TO-15	
trans-1,3-Dichloropropene	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Chloromethane	ND	2	ppbv		022309 2121	MAK	TO-15	
Bromoform	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Bromodichloromethane	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Benzyl chloride	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Benzene	**1.4**	0.5	ppbv		022309 2121	MAK	TO-15	
cis-1,2-Dichloroethene	**2.2**	0.5	ppbv		022309 2121	MAK	TO-15	
cis-1,3-Dichloropropene	ND	0.5	ppbv		022309 2121	MAK	TO-15	
1,4-Dioxane	ND	2	ppbv		022309 2121	MAK	TO-15	
1,4-Dichlorobenzene	ND	0.5	ppbv		022309 2121	MAK	TO-15	
1,3-Dichlorobenzene	ND	0.5	ppbv		022309 2121	MAK	TO-15	
2-Butanone	**0.61**	2	ppbv		022309 2121	MAK	TO-15	
Methyl-t-butyl ether	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Vinyl chloride	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Vinyl acetate	ND	2	ppbv		022309 2121	MAK	TO-15	
Trichlorofluoromethane	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Trichloroethene	**3**	0.5	ppbv		022309 2121	MAK	TO-15	
Methylene chloride	**0.43**	4	ppbv		022309 2121	MAK	TO-15	
m,p-Xylene	**0.81**	1	ppbv		022309 2121	MAK	TO-15	
Hexane	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Cyclohexane	ND	0.5	ppbv		022309 2121	MAK	TO-15	
1,1-Dichloroethene	ND	0.5	ppbv		022309 2121	MAK	TO-15	
1,2,4-Trichlorobenzene	ND	2	ppbv		022309 2121	MAK	TO-15	
1,2,4-Trimethylbenzene	**0.67**	0.5	ppbv		022309 2121	MAK	TO-15	
1,2-Dibromoethane	ND	0.5	ppbv		022309 2121	MAK	TO-15	

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Sparks, MD 21152	Project Manager: Dennis Coyle	

SG-14

09B0125-44 (Air) Sampled: 02/12/2009 00:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Toxic Organics in Air by GC/MS								
Styrene	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Carbon tetrachloride	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Tetrachloroethene	**4.8**	0.5	ppbv		022309 2121	MAK	TO-15	
Chloroform	**0.36**	0.5	ppbv		022309 2121	MAK	TO-15	
Chloroethane	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Tetrahydrofuran	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Toluene	**8.8**	0.5	ppbv		022309 2121	MAK	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Dichlorodifluoromethane	**0.61**	0.5	ppbv		022309 2121	MAK	TO-15	
Ethyl acetate	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Propylene	**0.71**	1	ppbv		022309 2121	MAK	TO-15	
Heptane	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Chlorobenzene	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Carbon disulfide	ND	1	ppbv		022309 2121	MAK	TO-15	
Bromomethane	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Hexachlorobutadiene	ND	2	ppbv		022309 2121	MAK	TO-15	
Dibromochloromethane	ND	0.5	ppbv		022309 2121	MAK	TO-15	
o-Xylene	**0.41**	0.5	ppbv		022309 2121	MAK	TO-15	
Ethyl benzene	**0.3**	0.5	ppbv		022309 2121	MAK	TO-15	
1,3,5-Trimethylbenzene	ND	0.5	ppbv		022309 2121	MAK	TO-15	
1,1,2-Trichloro-1,2,2-Trifluoroethan	ND	0.5	ppbv		022309 2121	MAK	TO-15	
1,1,2-Trichloroethane	ND	0.5	ppbv		022309 2121	MAK	TO-15	
1,1-Dichloroethane	**0.93**	0.5	ppbv		022309 2121	MAK	TO-15	
1,2-Dichlorobenzene	ND	0.5	ppbv		022309 2121	MAK	TO-15	
1,2-Dichloroethane	ND	0.5	ppbv		022309 2121	MAK	TO-15	
1,2-Dichlorotetrafluoroethane	ND	0.5	ppbv		022309 2121	MAK	TO-15	
1,3-Butadiene	ND	0.5	ppbv		022309 2121	MAK	TO-15	
2-Hexanone	ND	2	ppbv		022309 2121	MAK	TO-15	
2-Propanol	**7.4**	2	ppbv		022309 2121	MAK	TO-15	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

SG-14

09B0125-44 (Air) Sampled: 02/12/2009 00:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
Toxic Organics in Air by GC/MS								
4-Ethyltoluene	ND	0.5	ppbv		022309 2121	MAK	TO-15	
4-Methyl-2-Pentanone	ND	0.5	ppbv		022309 2121	MAK	TO-15	
Acetone	**5.1**	2	ppbv		022309 2121	MAK	TO-15	
1,2-Dichloropropane	ND	0.5	ppbv		022309 2121	MAK	TO-15	
1,1,1-Trichloroethane	**190**	4.9	ppbv		022309 1836	MAK	TO-15	
Surrogate: 4-Bromofluorobenzene		*0.995%*	*77.7-127*		*022309 2121*		*TO-15*	

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Sparks, MD 21152	Project Manager: Dennis Coyle	

Notes and Definitions

M6	The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample is disproportionate to the spike level. The LCS recovery is acceptable.
B	Analyte is found in method blank.
B1	Target analyte detected in method blank at or above reporting limit.
B2	Target analyte detected in method blank at or above reporting limit. Concentration found in the samples was 20 times the concentration found in the method blank.
B3	Target analyte detected in method blank at or above reporting limit. The analyte concentration was below the reporting limit.
D	Sample Diluted
D1	Sample required dilution due to matrix.
E6	Results are estimated due to internal standard area counts out of QC acceptance limits.
H1	Sample analyzed past maximum recommended holding time.
	Analyte concentration is greater than the MDL but less than the reporting limit.
A12	Sample analyzed with headspace.
M4	The matrix spike recovery was biased high, the reported result is estimated.
Z10a	Surrogate recovery is biased high and out of acceptance limits dut to the level of the target compound.
R1	Sample Duplicate RPD was out of acceptance limits.
R2	MS/MSD RPD was out of acceptance limits. Recoveries met acceptance limits.
R3	Sample Duplicate RPD was out of acceptance limits. The result concentration was within 5 times the reporting limit and the difference was less than the reporting limit.
S1	Surrogate recovery was above laboratory acceptance limits. No negative impact on the data.
S2	Surrogate recovery was above laboratory acceptance limits. Reported data is estimated.
S3	Surrogate recovery was below laboratory acceptance limits. Re-extraction/re-analysis confirms low recovery due to matrix interference.
S4	Surrogate recovery was below laboratory acceptance limits. Reported data is estimated.
U	Sample concentration is less than the MDL.
V6	CCV recovery was below acceptance limits. The reported result is estimated.
Z10	Analyzed past hold time.

Microbac Laboratories, Inc., Baltimore Division

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

Lisa Grant

Lisa M. Grant, Project Manager

Microbac Laboratories, Inc.

Baltimore Division

2101 Van Deman Street • Baltimore, MD 21224

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0125
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/17/2009 12:57
Sparks, MD 21152	Project Manager: Dennis Coyle	

Notes and Definitions

M1	The matrix spike recovery was out of acceptance limits. The post digestion spike recovery was acceptable.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Certifications

Below is a list of certifications maintained by Microbac Laboratories, Inc. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. A complete list of individual analytes pursuant to each certification below is available upon request.

- A2LA (Microbiology): 410.02
- A2LA (Environmental): 410.01
- A2LA (ELLAP): 410.01
- CPSC: 1115
- Maryland (Drinking Water): 109
- NELAC (NY): 11158
- Pennsylvania: 68-00339
- USDA: S-53726
- Virginia (Drinking Water): 00152

Cooler Receipt Log

Cooler ID: Cooler #1 **Cooler Temp:** 6.40 °C

Custody Seals Intact:	Yes	COC/Containers Agree:	Yes
Containers Intact:	Yes	Correct Preservation:	Yes
Received On Ice:	Yes	Correct Number of Containers Received:	Yes
Radiation Scan Acceptable:	Yes	Sufficient Sample Volume for Testing:	Yes
COC Present:	Yes	Samples Received in Proper Condition:	Yes

Comments:

Cooler ID: Cooler #2 **Cooler Temp:** 5.80 °C

Custody Seals Intact:	Yes	COC/Containers Agree:	Yes
Containers Intact:	Yes	Correct Preservation:	Yes
Received On Ice:	Yes	Correct Number of Containers Received:	Yes
Radiation Scan Acceptable:	Yes	Sufficient Sample Volume for Testing:	Yes
COC Present:	Yes	Samples Received in Proper Condition:	Yes

Comments:

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Sample Submittal
Chain of Custody Record

Work Order Number: 09B0125

Page 1 of 3

Client Name: KCI Technologies	Project: Gateway South	Turnaround Time (Required)	QC and EDD Type (Required)
Address: 936 Ridgebrook Rd	Location:	[X] Standard	[X] Level I (NAC) [ ] EDD
City, State, Zip: Sparks, MD 21152	PO #	[ ] RUSH* (notify lab)	[ ] Level II ** Format:
Contact: Dennis Coyle	Compliance Monitoring? [ ] Yes [ ] No	(needed by)	[ ] Level III ** Comments:
Telephone #: 410-316-7800 ext 1585	(1)Agency/Program		[ ] Level IV **

Sampled by (PRINT): Dennis Coyle Sampler Signature: Dennis Coyle Sampler Phone #: 410-316-7800 ext. 1585

Send Report via ~~e~~-mail (address): Dennis.coyle@KCI.com [ ] Mail [ ] Telephone [ ] Fax (fax #)

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analysis: VOCs	SVOCs / PAHs	Total Metals PPL	Dissolved PPL Metals	Pesticides	Herbicides	TPH - GRO	TPH - DRO	Comments
Trip Blank					2/2/09		1	X								
Field Blank					2/4/09		1	X								
GW-10	GW	X			2/5/09	13:30	8	X	X		X		X	X	X	
GW-11	GW	X			2/5/09	14:50	8	X	X		X		X	X	X	
SS-27	S		X		2/4/09	11:45	8			X	X	X				
SB-27	S		X		2/4/09	11:45	7			X	X					
SS-28	S		X		2/	12:05	8			X	X	X				
SB-28	S		X			12:15	7			X						
SB-28-2	S		X			12:30	8			X	X	X				High PID/Strong petro odor

Possible Hazard Identification [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive Sample Disposition [ ] Dispose as appropriate [ ] Return [ ] Archive

Number of Containers:	Relinquished By (signature): Dennis Coyle	Printed Name/Affiliation: Dennis Coyle	Date/Time: 2/6/09 8:45	Received By (signature):	Printed Name/Affiliation: MM
Cooler Number: Temp upon receipt(°C): 0.4/5.8	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Sample Received on Ice or Refrigerated from Client: (Yes) / No	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received for Lab By (signature)	Printed Name/Affiliation

501 6.06... ** Surcharge May Apply to add'l QC Packages ** WHITE - LAB YELLOW - REPORT PINK - CLIENT RECEIPT

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Sample Submittal
Chain of Custody Record

Work Order Number: 09C0165

Client Name: KCI Technologies	Project: Gateway South	Turnaround Time (Required)	QC and EDD Type (Required)
Address: 936 Ridgebrook Rd	Location:	~~X~~ Standard	~~X~~ Level I (NAC) / [ ] EDD
City, State, Zip: Sparks, MD 21152	PO #:	[ ] RUSH* (notify lab)	[ ] Level II ** / Format:
Contact: Dennis Coyle	Compliance Monitoring? [ ] Yes [ ] No	(needed by)	[ ] Level III ** / Comments:
Telephone #: 410-316-7800 ext. 1585	(1)Agency/Program:		[ ] Level IV **

Sampled by (PRINT): Dennis Coyle Sampler Signature: Dennis Coyle Sampler Phone #: 410-316-7800 ext. 1585

Send Report via: ~~E~~-mail (address) dennis.coyle@kci.com [ ] Mail [ ] Telephone [ ] Fax (fax #)

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analysis: VOCs	SVOCs / BNAs	Total PP15 Metals	Pesticides	Herbicides	TPH-GRO	TPH-DRO		Comments
SS-29	S		X		2/4/09	14:55	7	X	X	X		X	X	X		
SB-29	↓		↓		2/4/09	15:15	8				X					High PID / Strong petro odor
SS-30					2/4/09	13:40	8				X					
SB-30					2/4/09	14:10	7									
SS-32					2/4/09	16:55	7				X					
SS-35					2/5/09	10:10	8				X					
SB-35					↓	10:55	7									
SS-36						11:40	8				X					
SB-36	↓		↓		↓	11:55	7	↓	↓	↓	↓	↓	↓	↓		

Possible Hazard Identification: [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive Sample Disposition: [ ] Dispose as appropriate [ ] Return [ ] Archive

Number of Containers:
Cooler Number:
Temp upon receipt(°C): 0.4/5.8
Sample Received on Ice or Refrigerated from Client: (Yes) No

Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Dennis Coyle	Dennis Coyle	2/6/09 8:45	[signature]	[illegible]
Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received for Lab By (signature)	Printed Name/Affiliation

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Sample Submittal
Chain of Custody Record

Work Order Number: 09B0125

Page 3 of 3

Client Name KCI Technologies	Project Gateway South	Turnaround Time (Required)	QC and EDD Type (Required)
Address 936 Ridgebrook Rd	Location	[X] Standard	[X] Level I (NAC) / [ ] EDD
City, State, Zip Sparks, MD 21152	PO #	[ ] RUSH* (notify lab)	[ ] Level II ** / Format:
Contact Dennis Coyle	Compliance Monitoring? [ ] Yes [ ] No	(needed by)	[ ] Level III ** / Comments:
Telephone # 410-316-7800 ext. 1585	(1)Agency/Program		[ ] Level IV **

Sampled by (PRINT) Dennis Coyle Sampler Signature [signature] Sampler Phone # 410-316-7800 ext. 1585

Send Report via [ ] e-mail (address) [ ] Mail [ ] Telephone [ ] Fax (fax #)

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

Requested Analysis

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	VOCs	SVOCs/PAHs	Total PPL Metals	Pesticides	Herbicides	TPH-GRO	TPH-DRO			Comments
SS-37			X		2/4/09	11:00	8	X	X	X	X	X	X	X			
SB-37			↓		↓	11:00	7	↓	↓	↓		↓	↓	↓			
SS-38			↓		↓	17:30	8	↓	↓	↓	X	↓	↓	↓			
SB-38			↓		↓	17:30	7	↓	↓	↓		↓	↓	↓			
SS-DUP02			↓		2/4/09		8	↓	↓	↓	X	↓	↓	↓			
SS-DUP03			↓		2/5/09		7	↓	↓	↓	X	↓	↓	↓			
Trip Blank					2/2/09		1	X									
Field Blank					2/5/09		1	X									

Possible Hazard Identification [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive Sample Disposition [ ] Dispose as appropriate [ ] Return [ ] Archive

Number of Containers:	Relinquished By (signature) [signature]	Printed Name/Affiliation Dennis Coyle	Date/Time 2/6/09 8:45	Received By (signature) [signature]	Printed Name/Affiliation [signature]
Cooler Number: 6458	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Temp upon receipt(°C)					
Sample Received on Ice or Refrigerated from Client: Yes No	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received for Lab By (signature)	Printed Name/Affiliation

501 6.06 ** Surcharge May Apply to add'l QC Packages ** WHITE - LAB YELLOW - REPORT PINK CLIENT RECEIPT Page 1

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Sample Submittal
Chain of Custody Record

Work Order Number: 09BC25

Page 1 of 3

Client Name: KCI Technologies	Project: Gateway South	Turnaround Time (Required)	QC and EDD Type (Required)
Address: 936 Ridgebrook Rd	Location:	[X] Standard	[X] Level I (NAC) / [ ] EDD
City, State, Zip: Sparks MD 21152	PO #:	[ ] RUSH* (notify lab)	[ ] Level II ** / Format:
Contact: Dennis Coyle	Compliance Monitoring? [ ] Yes [ ] No	(needed by)	[ ] Level III ** / Comments:
Telephone #: 410-316-7800 ext 1585	(1)Agency/Program:		[ ] Level IV **

Sampled by (PRINT): Dennis Coyle Sampler Signature: [signature] Sampler Phone #: 410-316-7800 ext 1585

Send Report via: [X] e-mail (address) dennis.coyle@kci.com [ ] Mail [ ] Telephone [ ] Fax (fax #)

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

Requested Analysis

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	VOCs	SVOCs/PAHs	Total Metals	Pesticides	Herbicides	TPH-GRO	TPH-DRO			Comments
SS-31	X		X		2/12/09	12:38	8	X	X	X	X	X	X	X			
SB-31	↓		↓		2/12/09	1259	7	↓	↓	↓		↓	↓	↓			
SS-33	↓		↓		2/4/09	17:20	6	↓	↓	↓	X	↓	↓	↓			
SS-34	↓		↓		2/12/09	1045	7	↓	↓	↓	X	↓	↓	↓			
SB-34	↓		↓		2/12/09	11:15	8	↓	↓	↓		↓	↓	↓			High PID / Strong petro odor
SB-DUP04	↓		↓		2/12/09	1140	7	↓	↓	↓		↓	↓	↓			
~~Field Blank~~					~~2/12/09~~		~~1~~	↓									Ve
Trip Blank							1	X									container empty
Field Blank					2/13/09		1	X									

Possible Hazard Identification [ ] Hazardous [ ] Non Hazardous [ ] Radioactive Sample Disposition [ ] Dispose as appropriate [ ] Return [ ] Archive

	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Number of Containers:	Dennis Coyle	Dennis Coyle	2/13/09 17:05	Lisa Grant	[signature]
Cooler Number:					
Temp upon receipt(°C):					
Sample Received on ice or Refrigerated from Client: Yes / No					

501 6.06.07 ** Surcharge May Apply to add'l QC Packages ** WHITE - LAB YELLOW - REPORT PINK - CLIENT RECEIPT Page 1 2

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Sample Submittal
Chain of Custody Record

Work Order Number: 09B0125

Page 2 of 3

Client Name: KCI Technologies	Project: Gateway South	Turnaround Time (Required)	QC and EDD Type (Required)
Address: 936 Ridgebrook Rd	Location:	[X] Standard	[X] Level I (NAC) / [ ] EDD
City, State, Zip: Sparks, MD 21154	PO #:	[ ] RUSH* (notify lab)	[ ] Level II ** / Format:
Contact: Dennis Cayle	Compliance Monitoring? [ ] Yes [ ] No	(needed by)	[ ] Level III ** / Comments:
Telephone #: 410-316-7800 ext 1585	(1)Agency/Program:		[ ] Level IV **

Sampled by (PRINT): Dennis Cayle Sampler Signature: [signature] Sampler Phone #: 410-316-7800

Send Report via: [X] e-mail (address) dennis.cayle@kci.com [ ] Mail [ ] Telephone [ ] Fax (fax #)

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

Requested Analysis

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	VOCs	SVOCs/PAHs	Dissolved Metals	Herbicides	TPH-GRO	TPH-DRO				Comments
GW-12	GW	X			2/13/09	10:35	8	X	X	X	X	X	X				
GW-13	↓	↓			↓	11:20	9	↓	↓	↓	↓	↓	↓				
GW-DUP02	↓	↓			↓		11	↓	↓	↓	↓	↓	↓				
GW-MW5	↓	↓			↓	12:30	11	↓	↓	↓	↓	↓	↓				
GW-MW1A	↓	↓			↓	14:15	11	↓	↓	↓	↓	↓	↓				
GW-MS01	↓	↓			↓	12:30	11	↓	↓	↓	↓	↓	↓				

Possible Hazard Identification: [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive Sample Disposition: [ ] Dispose as appropriate [ ] Return [ ] Archive

Number of Containers:	Relinquished By (signature): [signature]	Printed Name/Affiliation: Dennis Cayle	Date/Time: 2/13/09 1705	Received By (signature): [signature]	Printed Name/Affiliation: [signature]
Cooler Number:					
Temp upon receipt(°C):	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Sample Received on Ice or Refrigerated from Client: Yes / No	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received for Lab By (signature)	Printed Name/Affiliation

501 6.06.07 ** Surcharge May Apply to add'l QC Packages ** WHITE - LAB YELLOW - REPORT PINK - CLIENT RECEIPT Page 1 2

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Sample Submittal
Chain of Custody Record

Work Order Number:

Client Name: KCT Technologies	Project: Gateway South	Turnaround Time (Required)	QC and EDD Type (Required)
Address: 936 Ridgebrook Rd	Location:	[X] ~~Standard~~	[X] ~~Level I~~ (NAC) / [ ] EDD
City, State, Zip: Sparks, MD 21152	PO #:	[ ] RUSH* (notify lab)	[ ] Level II ** / Format:
Contact: Dennis Coyle	Compliance Monitoring? [ ] Yes [ ] No	(needed by)	[ ] Level III ** / Comments:
Telephone #: 410-316-7800 ext. 1585	(*)Agency/Program		[ ] Level IV **

Sampled by (PRINT): Dennis Coyle Sampler Signature: [signature] Sampler Phone #:

Send Report via: [X] ~~e~~mail (address) dennis.coyle@kctcon [ ] Mail [ ] Telephone [ ] Fax (fax #)

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analysis: VOCs	Comments
SG-11	Gas		X		2/12/09			X	
SG-12	↓		↓		↓			X	
SG-13	↓		↓		↓			X	
SG-14	↓		↓		↓			X	

Possible Hazard Identification: [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive Sample Disposition: [ ] Disposal as appropriate [ ] Return [ ] Archive

	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Number of Containers: / Cooler Number: / Temp upon receipt(°C): / Sample Received on Ice or Refrigerated from Client: Yes / No	[signature]	Dennis Coyle	2/12/09 17:05	[signature]	
	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received for Lab By (signature)	Printed Name/Affiliation

501 6.08.07 ** Surcharge May Apply to add'l QC Packages ** WHITE - LAB YELLOW - REPORT PINK - CLIENT RECEIPT

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COVER LETTER

Dennis Coyle
KCI Technologies
936 Ridgebrook Road
Sparks, MD 21152

RE: Gateway South

March 23, 2009
Report No.: 09B0557

The report of analyses contains test results for samples received at Microbac Laboratories, Inc., Baltimore Division on 02/19/2009 16:00.

The enclosed results were obtained from and applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report has been reviewed and meet the applicable project and certification specific requirements, unless otherwise noted.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories, Inc.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

This Data Package contains the following:

- This Cover Page
- Sample Summary
- Test Results
- Notes and Definitions
- Cooler Receipt Log
- Chain of Custody

Lisa Grant

Final report reviewed by: Lisa M. Grant/Project Manager — 3/23/2009 Report issue date

All samples received in proper condition and results conform to ISO 17025 standards unless otherwise noted.

If we have not met or exceeded your expectations, please contact the Director or Trevor Boyce, President at tboyce@microbac.com or Robert Morgan, Chief Operation Officer, at rmorgan@microbac.com.

Microbac Laboratories, Inc.

Baltimore Division

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SAMPLE SUMMARY

Sample ID	Laboratory ID	Matrix	Type	Date Sampled	Date Received
GW-11	09B0557-01	Ground Water	Grab	02/19/2009 10:30	02/19/2009 16:00
SS-33	09B0557-02	Soil	Composite	02/19/2009 12:10	02/19/2009 16:00
SB-33	09B0557-03	Soil	Composite	02/19/2009 13:30	02/19/2009 16:00
SS-39	09B0557-04	Soil	Composite	02/19/2009 12:45	02/19/2009 16:00

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

GW-11

09B0557-01 (Ground Water) Sampled: 02/19/2009 10:30; Type: Grab

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Simazine	ND	3	ug/L		022509 0000	RWS	EPA 505	
Glyphosate	ND	100	ug/L		022609 0000	AJL	EPA 547	
Microbac Laboratories, Inc-Chicagoland Division								
Subcontracted Analyses								
Alachlor	ND	0.99	ug/L	022609 1522	022709 2345	MLT	EPA 8081A	
Atrazine	ND	0.99	ug/L	022609 1522	022709 2345	MLT	EPA 8081A	
[illegible]-D	ND	70	ug/L	022509 1454	030209 1833	MLT	EPA 1851	
[illegible],5-TP (Silvex)	ND	50	ug/L	022509 1454	030209 1833	MLT	EPA 1851	
Dalapon	ND	200	ug/L	022509 1454	030209 1833	MLT	EPA 1851	
Dinoseb	ND	7	ug/L	022509 1454	030209 1833	MLT	EPA 1851	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-33

09B0557-02 (Soil) Sampled: 02/19/2009 12:10; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Wet Chemistry								
% Solids	**82.35**	0.05	% by Weight	022009 1053	022309 0700	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.029	mg/kg dry	030409 1412	030409 1959	APS	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	022609 1236	022609 1900	PRM	EPA 6020	D
Aluminum	**6800**	50	mg/kg (dry)	022609 1240	030209 1518	APS	EPA 6010B	D
Arsenic	**2.9**	1.0	mg/kg (dry)	022609 1236	022609 1900	PRM	EPA 6020	
Barium	**34**	1.0	mg/kg (dry)	022609 1236	022609 1900	PRM	EPA 6020	D
Beryllium	ND	1.0	mg/kg (dry)	022609 1240	030209 1518	APS	EPA 6010B	D
Cadmium	**0.17**	0.010	mg/kg (dry)	022609 1236	022609 1900	PRM	EPA 6020	B2, D, B
Chromium	**54**	2.0	mg/kg (dry)	022609 1236	022609 1900	PRM	EPA 6020	D
Copper	**21**	1.0	mg/kg (dry)	022609 1236	022609 1900	PRM	EPA 6020	D
Iron	**37000**	10	mg/kg (dry)	022609 1240	030209 1518	APS	EPA 6010B	D
Manganese	**140**	1.0	mg/kg (dry)	022609 1236	022609 1900	PRM	EPA 6020	D
Nickel	**18**	1.0	mg/kg (dry)	022609 1236	022609 1900	PRM	EPA 6020	D
Lead	**6.7**	1.0	mg/kg (dry)	022609 1236	022609 1900	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	022609 1236	022609 1900	PRM	EPA 6020	D
Selenium	ND	1.0	mg/kg (dry)	022609 1236	022609 1900	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	022609 1240	030209 1518	APS	EPA 6010B	D
Thallium	ND	1.0	mg/kg (dry)	022609 1236	022609 1900	PRM	EPA 6020	D
Vanadium	**62**	1.0	mg/kg (dry)	022609 1236	022609 1900	PRM	EPA 6020	D
Zinc	**36**	10	mg/kg (dry)	022609 1236	022609 1900	PRM	EPA 6020	D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-33

09B0557-02 (Soil) Sampled: 02/19/2009 12:10; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	6.1	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	6.1	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
Heptachlor	ND	6.1	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
Aldrin	ND	6.1	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
beta-BHC	ND	6.1	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
delta-BHC	ND	6.1	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	6.1	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	12	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
'-DDE	ND	12	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
Dieldrin	ND	12	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
Endrin	ND	12	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
Endosulfan II	ND	36	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	36	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	36	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	36	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	36	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	61	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	36	ug/kg dry	022509 1215	022609 1541	MST	EPA 8081A/8082	U, D
Toxaphene	ND	360	ug/kg dry	022509 1215	022609 1612	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	120	ug/kg dry	022509 1215	022609 1612	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xyelene		*68.2%*	*30-130*	*022509 1215*	*022609 1612*		*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl		*110%*	*30-130*	*022509 1215*	*022609 1612*		*EPA 8081A/8082*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-33

09B0557-02 (Soil) Sampled: 02/19/2009 12:10; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Vinyl chloride	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Bromomethane	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Chloroethane	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
1,1-Dichloroethene	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Acetone	ND	1300	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Carbon disulfide	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Methylene Chloride	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Methyl-tert-Butyl Ether	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	( )
trans-1,2-Dichloroethene	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
1,1-Dichloroethane	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
cis-1,2-Dichloroethene	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Methyl Ethyl Ketone (2-Butanone)	ND	1300	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Chloroform	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
1,1,1-Trichloroethane	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Carbon Tetrachloride	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Benzene	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
1,2-Dichloroethane	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Trichloroethene	**43**	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, J, D
1,2-Dichloropropane	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Bromodichloromethane	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Methyl Isobutyl Ketone	ND	1300	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
cis-1,3-Dichloropropene	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Toluene	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
trans-1,3-Dichloropropene	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
1,1,2-Trichloroethane	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
1,2-Dibromoethane	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Tetrachloroethene	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Dibromochloromethane	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Chlorobenzene	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-33

09B0557-02 (Soil) Sampled: 02/19/2009 12:10; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
Ethylbenzene	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
m,p-Xylenes	ND	540	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
o-Xylene	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Styrene	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Bromoform	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Isopropylbenzene (Cumene)	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
1,1,2,2-Tetrachloroethane	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
1,2-Dibromo-3-chloropropane	ND	270	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
tal Xylenes	ND	810	ug/kg dry	022009 0930	022709 1425	EMG	EPA 8260B	Q1, U, D
Surrogate: Dibromofluoromethane		*89.1%*	*80-120*	*022009 0930*	*022709 1425*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*84.7%*	*80-120*	*022009 0930*	*022709 1425*		*EPA 8260B*	
Surrogate: Toluene-d8		*93.9%*	*75-120*	*022009 0930*	*022709 1425*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*95.8%*	*60-149*	*022009 0930*	*022709 1425*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Chloroethyl)ether	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Phenol	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
2-Chlorophenol	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
2-Methylphenol	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Hexachloroethane	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Nitrobenzene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Isophorone	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-33

09B0557-02 (Soil) Sampled: 02/19/2009 12:10; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Naphthalene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
4-Chloroaniline	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Hexachlorobutadiene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
2-Methylnaphthalene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
2-Chloronaphthalene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	
Acenaphthylene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
2,6-Dinitrotoluene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Acenaphthene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2100	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Dibenzofuran	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Fluorene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Diethylphthalate	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Hexachlorobenzene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Pentachlorophenol	ND	2100	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Phenanthrene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Anthracene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Carbazole	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Di-n-butylphthalate	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Fluoranthene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Pyrene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	810	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Benz(a)anthracene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Chrysene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-33

09B0557-02 (Soil) Sampled: 02/19/2009 12:10; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Benzo[a]pyrene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	400	ug/kg dry	022509 1400	022709 1227	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*74.1%*	*26-118*	*022509 1400*	*022709 1227*		*EPA 8270C*	
Surrogate: Phenol-d5		*81.7%*	*25-135*	*022509 1400*	*022709 1227*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*77.2%*	*41-135*	*022509 1400*	*022709 1227*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*79.1%*	*47-128*	*022509 1400*	*022709 1227*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*82.1%*	*28-130*	*022509 1400*	*022709 1227*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*82.6%*	*37-128*	*022509 1400*	*022709 1227*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	1.8	mg/kg	022009 0930	030109 1344	EMG	EPA 8015B	Q1, U, D
Surrogate: a,a,a-Trifluorotoluene		*83.3%*	*52.9-156*	*022009 0930*	*030109 1344*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	022509 1300	022609 1843	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*110%*	*73-125*	*022509 1300*	*022609 1843*		*EPA 8015B*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-33

09B0557-03 (Soil) Sampled: 02/19/2009 13:30; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**86.94**	0.05	% by Weight	022009 1053	022309 0700	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.028	mg/kg dry	030409 1412	030409 2002	APS	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	1.9	mg/kg (dry)	022609 1236	022609 1914	PRM	EPA 6020	D
Aluminum	**4200**	48	mg/kg (dry)	022609 1240	030209 1538	APS	EPA 6010B	D
Arsenic	**2.0**	0.96	mg/kg (dry)	022609 1236	022609 1914	PRM	EPA 6020	D
Barium	**18**	0.96	mg/kg (dry)	022609 1236	022609 1914	PRM	EPA 6020	D
Beryllium	ND	0.96	mg/kg (dry)	022609 1240	030209 1538	APS	EPA 6010B	D
Cadmium	**0.14**	0.0096	mg/kg (dry)	022609 1236	022609 1914	PRM	EPA 6020	B2, D, B
Chromium	**30**	1.9	mg/kg (dry)	022609 1236	022609 1914	PRM	EPA 6020	D
Copper	**12**	0.96	mg/kg (dry)	022609 1236	022609 1914	PRM	EPA 6020	D
Iron	**22000**	9.6	mg/kg (dry)	022609 1240	030209 1538	APS	EPA 6010B	D
Manganese	**68**	0.96	mg/kg (dry)	022609 1236	022609 1914	PRM	EPA 6020	D
Nickel	**8.5**	0.96	mg/kg (dry)	022609 1236	022609 1914	PRM	EPA 6020	D
Lead	**5.8**	0.96	mg/kg (dry)	022609 1236	022609 1914	PRM	EPA 6020	D
Antimony	ND	1.9	mg/kg (dry)	022609 1236	022609 1914	PRM	EPA 6020	D
Selenium	ND	0.96	mg/kg (dry)	022609 1236	022609 1914	PRM	EPA 6020	D
Tin	ND	19	mg/kg (dry)	022609 1240	030209 1538	APS	EPA 6010B	D
Thallium	ND	0.96	mg/kg (dry)	022609 1236	022609 1914	PRM	EPA 6020	D
Vanadium	**46**	0.96	mg/kg (dry)	022609 1236	022609 1914	PRM	EPA 6020	D
Zinc	**20**	9.6	mg/kg (dry)	022609 1236	022609 1914	PRM	EPA 6020	D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-33

09B0557-03 (Soil) Sampled: 02/19/2009 13:30; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Vinyl chloride	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Bromomethane	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Chloroethane	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Acetone	ND	1100	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Carbon disulfide	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Methylene Chloride	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
thyl-tert-Butyl Ether	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
trans-1,2-Dichloroethene	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
1,1-Dichloroethane	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Methyl Ethyl Ketone (2-Butanone)	ND	1100	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Chloroform	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Benzene	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Trichloroethene	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
1,2-Dichloropropane	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	1100	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Toluene	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Tetrachloroethene	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Dibromochloromethane	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Chlorobenzene	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Ethylbenzene	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-33

09B0557-03 (Soil) Sampled: 02/19/2009 13:30; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylenes	ND	430	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
o-Xylene	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Styrene	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Bromoform	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	220	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Total Xylenes	ND	650	ug/kg dry	021909 1330	022709 1516	EMG	EPA 8260B	U, D
Surrogate: Dibromofluoromethane		*97.7%*	*80-120*	*021909 1330*	*022709 1516*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*93.0%*	*80-120*	*021909 1330*	*022709 1516*		*EPA 8260B*	
Surrogate: Toluene-d8		*91.9%*	*75-120*	*021909 1330*	*022709 1516*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*94.3%*	*60-149*	*021909 1330*	*022709 1516*		*EPA 8260B*	
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Bis(2-Chloroethyl)ether	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Phenol	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
2-Chlorophenol	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
2-Methylphenol	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Hexachloroethane	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Nitrobenzene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Isophorone	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
1,2,4-Trichlorobenzene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-33

09B0557-03 (Soil) Sampled: 02/19/2009 13:30; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Naphthalene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
4-Chloroaniline	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Hexachlorobutadiene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
2-Methylnaphthalene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
2-Chloronaphthalene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
enaphthylene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
4,6-Dinitrotoluene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Acenaphthene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2000	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Dibenzofuran	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Fluorene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Diethylphthalate	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Hexachlorobenzene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Pentachlorophenol	ND	2000	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Phenanthrene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Anthracene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Carbazole	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Di-n-butylphthalate	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Fluoranthene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Pyrene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	770	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Benz(a)anthracene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Chrysene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Benzo[k]fluoranthene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-33

09B0557-03 (Soil) Sampled: 02/19/2009 13:30; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[a]pyrene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	380	ug/kg dry	022509 1400	022709 1515	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*75.6%*	*26-118*	*022509 1400*	*022709 1515*		*EPA 8270C*	
Surrogate: Phenol-d5		*84.0%*	*25-135*	*022509 1400*	*022709 1515*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*74.7%*	*41-135*	*022509 1400*	*022709 1515*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*80.2%*	*47-128*	*022509 1400*	*022709 1515*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*74.5%*	*28-130*	*022509 1400*	*022709 1515*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*91.7%*	*37-128*	*022509 1400*	*022709 1515*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	1.5	mg/kg	021909 1330	030109 1416	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*85.1%*	*52.9-156*	*021909 1330*	*030109 1416*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	022509 1300	022609 1927	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*105%*	*73-125*	*022509 1300*	*022609 1927*		*EPA 8015B*	

Microbac Laboratories, Inc., Baltimore Division

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KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-39

09B0557-04 (Soil) Sampled: 02/19/2009 12:45; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**85.00**	0.05	% by Weight	022009 1053	022309 0700	LCR	SM (20) 2540G	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.029	mg/kg dry	030409 1412	030409 2004	APS	SW846 7471A	D
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	2.0	mg/kg (dry)	022609 1236	022609 1918	PRM	EPA 6020	D
Aluminum	**5100**	50	mg/kg (dry)	022609 1240	030209 1542	APS	EPA 6010B	D
Arsenic	**2.6**	0.99	mg/kg (dry)	022609 1236	022609 1918	PRM	EPA 6020	D
Barium	**23**	0.99	mg/kg (dry)	022609 1236	022609 1918	PRM	EPA 6020	D
Beryllium	ND	0.99	mg/kg (dry)	022609 1240	030209 1542	APS	EPA 6010B	D
Cadmium	**0.21**	0.0099	mg/kg (dry)	022609 1236	022609 1918	PRM	EPA 6020	B2, D, B
Chromium	**31**	2.0	mg/kg (dry)	022609 1236	022609 1918	PRM	EPA 6020	D
Copper	**19**	0.99	mg/kg (dry)	022609 1236	022609 1918	PRM	EPA 6020	D
Iron	**27000**	9.9	mg/kg (dry)	022609 1240	030209 1542	APS	EPA 6010B	D
Manganese	**120**	0.99	mg/kg (dry)	022609 1236	022609 1918	PRM	EPA 6020	D
Nickel	**9.6**	0.99	mg/kg (dry)	022609 1236	022609 1918	PRM	EPA 6020	D
Lead	**8.8**	0.99	mg/kg (dry)	022609 1236	022609 1918	PRM	EPA 6020	D
Antimony	ND	2.0	mg/kg (dry)	022609 1236	022609 1918	PRM	EPA 6020	D
Selenium	ND	0.99	mg/kg (dry)	022609 1236	022609 1918	PRM	EPA 6020	D
Tin	ND	20	mg/kg (dry)	022609 1240	030209 1542	APS	EPA 6010B	D
Thallium	ND	0.99	mg/kg (dry)	022609 1236	022609 1918	PRM	EPA 6020	D
Vanadium	**46**	0.99	mg/kg (dry)	022609 1236	022609 1918	PRM	EPA 6020	D
Zinc	**55**	9.9	mg/kg (dry)	022609 1236	022609 1918	PRM	EPA 6020	D

Microbac Laboratories, Inc., Baltimore Division

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KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-39

09B0557-04 (Soil) Sampled: 02/19/2009 12:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Organochlorine Pesticides and PCBs

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
alpha-BHC	ND	5.9	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
gamma-BHC	ND	5.9	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
Heptachlor	ND	5.9	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
Aldrin	ND	5.9	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
beta-BHC	ND	5.9	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
delta-BHC	ND	5.9	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
Heptachlor epoxide	ND	5.9	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
Endosulfan I	ND	12	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
p,p'-DDE	ND	12	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	)
Dieldrin	ND	12	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
Endrin	ND	12	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
Endosulfan II	ND	35	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
p,p'-DDD	ND	35	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
p,p'-DDT	ND	35	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
Endrin aldehyde	ND	35	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
Endosulfan sulfate	ND	35	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
Methoxychlor	ND	59	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
Endrin ketone	ND	35	ug/kg dry	022509 1215	022609 1922	MST	EPA 8081A/8082	U, D
Toxaphene	ND	350	ug/kg dry	022509 1215	022609 1953	MST	EPA 8081A/8082	U, D
Technical Chlordane	ND	120	ug/kg dry	022509 1215	022609 1953	MST	EPA 8081A/8082	U, D
Surrogate: Tetrachloro-m-xylene		*65.5%*	*30-130*	*022509 1215*	*022609 1953*		*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl		*107%*	*30-130*	*022509 1215*	*022609 1953*		*EPA 8081A/8082*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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Microbac Laboratories, Inc.
Baltimore Division
2101 Van Deman Street • Baltimore, MD 21224
Phone: 410-633-1800
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www.microbac.com

CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-39

09B0557-04 (Soil) Sampled: 02/19/2009 12:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Chloromethane	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Vinyl chloride	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Bromomethane	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Chloroethane	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
1,1-Dichloroethene	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Acetone	ND	1100	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Carbon disulfide	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Methylene Chloride	**29**	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	J, D
thyl-tert-Butyl Ether	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
trans-1,2-Dichloroethene	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
1,1-Dichloroethane	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
cis-1,2-Dichloroethene	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Methyl Ethyl Ketone (2-Butanone)	ND	1100	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Chloroform	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
1,1,1-Trichloroethane	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Carbon Tetrachloride	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Benzene	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
1,2-Dichloroethane	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Trichloroethene	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
1,2-Dichloropropane	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Bromodichloromethane	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Methyl Isobutyl Ketone	ND	1100	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
cis-1,3-Dichloropropene	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Toluene	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
trans-1,3-Dichloropropene	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
1,1,2-Trichloroethane	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
1,2-Dibromoethane	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Tetrachloroethene	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Dibromochloromethane	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Chlorobenzene	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-39

09B0557-04 (Soil) Sampled: 02/19/2009 12:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Ethylbenzene	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
m,p-Xylenes	ND	460	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
o-Xylene	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Styrene	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Bromoform	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Isopropylbenzene (Cumene)	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
1,1,2,2-Tetrachloroethane	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
1,2-Dibromo-3-chloropropane	ND	230	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	U, D
Total Xylenes	ND	690	ug/kg dry	021909 1245	022709 1552	EMG	EPA 8260B	
Surrogate: Dibromofluoromethane		*113%*	*80-120*	*021909 1245*	*022709 1552*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*103%*	*80-120*	*021909 1245*	*022709 1552*		*EPA 8260B*	
Surrogate: Toluene-d8		*80.5%*	*75-120*	*021909 1245*	*022709 1552*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*94.5%*	*60-149*	*021909 1245*	*022709 1552*		*EPA 8260B*	

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Bis(2-Chloroethyl)ether	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Phenol	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
2-Chlorophenol	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
1,3-Dichlorobenzene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
1,4-Dichlorobenzene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
1,2-Dichlorobenzene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Bis(2-chloroisopropyl)ether	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
2-Methylphenol	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Hexachloroethane	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
N-Nitroso-di-n-propylamine	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
4-Methylphenol, 3-Methylphenol	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Nitrobenzene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Isophorone	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
2,4-Dimethylphenol	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
2,4-Dichlorophenol	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa M. Grant, Project Manager

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Baltimore Division

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-39

09B0557-04 (Soil) Sampled: 02/19/2009 12:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

TCL Semi Volatiles Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2,4-Trichlorobenzene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Naphthalene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
4-Chloroaniline	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Hexachlorobutadiene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
2-Methylnaphthalene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Hexachlorocyclopentadiene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
2,4,6-Trichlorophenol	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
2,4,5-Trichlorophenol	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Chloronaphthalene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Acenaphthylene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
2,6-Dinitrotoluene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Acenaphthene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
2,4-Dinitrophenol	ND	2000	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Dibenzofuran	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
2,4-Dinitrotoluene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Fluorene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Diethylphthalate	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
N-Nitrosodiphenylamine	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Hexachlorobenzene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Pentachlorophenol	ND	2000	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Phenanthrene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Anthracene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Carbazole	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Di-n-butylphthalate	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Fluoranthene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Pyrene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
3,3'-Dichlorobenzidine	ND	790	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Benz(a)anthracene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Chrysene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Bis(2-Ethylhexyl)phthalate	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Benzo[b]fluoranthene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-39

09B0557-04 (Soil) Sampled: 02/19/2009 12:45; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
TCL Semi Volatiles Organic Compounds by EPA Method 8270C								
Benzo[k]fluoranthene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Benzo[a]pyrene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Indeno[1,2,3-cd]pyrene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Dibenz[a,h]anthracene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Benzo[g,h,i]perylene	ND	390	ug/kg dry	022509 1400	022709 1636	MST	EPA 8270C	U
Surrogate: 2-Fluorophenol		*69.7%*	*26-118*	*022509 1400*	*022709 1636*		*EPA 8270C*	
Surrogate: Phenol-d5		*79.1%*	*25-135*	*022509 1400*	*022709 1636*		*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*70.6%*	*41-135*	*022509 1400*	*022709 1636*		*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*76.8%*	*47-128*	*022509 1400*	*022709 1636*		*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*74.7%*	*28-130*	*022509 1400*	*022709 1636*		*EPA 8270C*	
Surrogate: Terphenyl-d14		*83.3%*	*37-128*	*022509 1400*	*022709 1636*		*EPA 8270C*	
Gasoline Range Organics (C6 to C10)								
Gasoline Range Organics	ND	1.6	mg/kg	021909 1245	030109 1449	EMG	EPA 8015B	U, D
Surrogate: a,a,a-Trifluorotoluene		*85.9%*	*52.9-156*	*021909 1245*	*030109 1449*		*EPA 8015B*	
Diesel Range Organics (C10 to C28)								
Diesel Range Organics	ND	10	mg/kg	022509 1300	022609 2012	MST	EPA 8015B	U
Surrogate: n-Pentacosane		*99.2%*	*73-125*	*022509 1300*	*022609 2012*		*EPA 8015B*	
Microbac Laboratories, Inc-Camp Hill Division								
Subcontracted Analyses								
Glyphosate	ND	5	ug/kg		022709 0000	AJL	EPA 547 Modified	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-39

09B0557-04 (Soil) Sampled: 02/19/2009 12:45; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Chicagoland Division								
***** DEFAULT GENERAL METHOD *****								
2,4-D	ND	2000	ug/kg	022709 0930	030209 2155	MLT	EPA 8151A	
2,4,5-TP (Silvex)	ND	2000	ug/kg	022709 0930	030209 2155	MLT	EPA 8151A	
Dalapon	ND	2000	ug/kg	022709 0930	030209 2155	MLT	EPA 8151A	
Dinoseb	ND	2000	ug/kg	022709 0930	030209 2155	MLT	EPA 8151A	
Subcontracted Analyses								
Alachlor	ND	33	ug/kg	030209 0900	030209 1930	MAK	EPA 8081A	
Atrazine	ND	99	ug/kg	030209 0900	030209 1930	MAK	EPA 8081A	

Microbac Laboratories, Inc., Baltimore Division

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

Notes and Definitions

Z10	Surrogate recovery is biased high and out of acceptance limits dut to the level of the target compound.
U	Sample concentration is less than the MDL.
S4	Surrogate recovery was below laboratory acceptance limits. Reported data is estimated.
R3	Sample Duplicate RPD was out of acceptance limits. The result concentration was within 5 times the reporting limit and the difference was less than the reporting limit.
Q1	Sample received with head space.
M8	The Post Digestion Spike recovery was out of acceptance limits due an inappropriate spike amount used for the high sample concentration.
M6	The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample is disproportionate to the spike level. The LCS recovery is acceptable.
M1	The matrix spike recovery was out of acceptance limits. The post digestion spike recovery was acceptable.
J	Analyte concentration is greater than the MDL but less than the reporting limit.
D1	Sample required dilution due to matrix.
D	Sample Diluted
B2	Target analyte detected in method blank at or above reporting limit. Concentration found in the samples was 20 times the concentration found in the method blank.
B	Analyte is found in method blank.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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KCI Technologies	Project: Gateway South	Report: 09B0557
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/23/2009 11:19
Sparks, MD 21152	Project Manager: Dennis Coyle	

Certifications

Below is a list of certifications maintained by Microbac Laboratories, Inc. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. A complete list of individual analytes pursuant to each certification below is available upon request.

- A2LA (Microbiology): 410.02
- A2LA (Environmental): 410.01
- A2LA (ELLAP): 410.01
- CPSC: 1115
- Maryland (Drinking Water): 109
- NELAC (NY): 11158
- Pennsylvania: 68-00339
- USDA: S-53726
- Virginia (Drinking Water): 00152

Cooler Receipt Log

Cooler ID: Default Cooler **Cooler Temp:** 10.40 °C

Custody Seals Intact:	Yes	COC/Containers Agree:	Yes
Containers Intact:	Yes	Correct Preservation:	Yes
Received On Ice:	Yes	Correct Number of Containers Received:	Yes
Radiation Scan Acceptable:	Yes	Sufficient Sample Volume for Testing:	Yes
COC Present:	Yes	Samples Received in Proper Condition:	Yes

Comments:

Microbac

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Sample Submittal
Chain of Custody Record

Work Order Number: 09B0125 (16)

Page 1 of 09B0557

Client Name: KCI Technologies	Project: Gateway South	Turnaround Time (Required): ~~X~~ Standard	QC and EDD Type (Required): ~~X~~ Level I (NAC)
Address: 936 Ridgebrook	Location:	[ ] RUSH* (notify lab)	[ ] Level II **
City, State, Zip: Sparks, MD 21152	PO #	_____ (needed by)	[ ] Level III **
Contact: Dennis Coyle	Compliance Monitoring? [ ] Yes [ ] No		[ ] Level IV **
Telephone #: 410-316-7800 ext. 1585	(1)Agency/Program		[ ] EDD Format: _____ Comments:

Sampled by (PRINT): Dennis Coyle Sampler Signature: [signature] Sampler Phone #: 410-316-7800 ext 1585

Send Report via ~~X~~ email (address): dennis.coyle@kci.com [ ] Mail [ ] Telephone [ ] Fax (fax #) _____

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analysis: VOCs	SVOCs/PAHs	Total RP Metals	Pesticides	Herbicides	TPH - GRO	TPH - DRO			Comments
~~Gate-10~~																	
GW-11-45	GW	X			2/19/09	10:30	10	X	X								*Notenough sample for herbicides. (12)
SS-33-46	S		X			12:10	1		X		X	~~X~~	X	X			Call Jeff. very little sample
SB-33-47	S		X			13:30	5	X	X	X	~~X~~	~~X~~	X	X			
SS-39-48	S		X			12:45	8	X	X	X	X	X	X	X			
Field Blank							1	X			EXTRA Sample (6)						
Trip Blank							1	X									
GW-10	GW	X			↓	14:00	3	X									

Possible Hazard Identification [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive Sample Disposition [ ] Dispose as appropriate [ ] Return [ ] Archive

Number of Containers: 1	Relinquished By (signature): [signature]	Printed Name/Affiliation: Dennis Coyle	Date/Time: 2/19/09 16:00	Received By (signature): [signature]	Printed Name/Affiliation: [illegible]
Cooler Number:	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Temp upon receipt(°C):					
Sample Received on Ice or Refrigerated from Client: Yes / No	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received for Lab By (signature)	Printed Name/Affi.

501 6.06.07 ** Surcharge May Apply to add'l QC Packages ** WHITE - LAB YELLOW - REPORT PINK - CLIENT RECEIPT Page 1 2

Appendix D-2

Laboratory Certificates of Analysis and Chain-of-Custody Documentation *(VOC Rerun Samples)*

Microbac Laboratories, Inc.

Baltimore Division

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COVER LETTER

March 13, 2009
Report No.: 09B0516

Dennis Coyle
KCI Technologies
936 Ridgebrook Road
Sparks, MD 21152

RE: Gateway South

The report of analyses contains test results for samples received at Microbac Laboratories, Inc., Baltimore Division on 02/24/2009 12:04.

The enclosed results were obtained from and applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report has been reviewed and meet the applicable project and certification specific requirements, unless otherwise noted.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories, Inc.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

This Data Package contains the following:

- This Cover Page
- Sample Summary
- Test Results
- Notes and Definitions
- Cooler Receipt Log
- Chain of Custody

Lisa Grant — 3/13/2009

Final report reviewed by: Lisa M. Grant/Project Manager — Report issue date

All samples received in proper condition and results conform to ISO 17025 standards unless otherwise noted.

If we have not met or exceeded your expectations, please contact the Director or Trevor Boyce, President at tboyce@microbac.com or Robert Morgan, Chief Operation Officer, at rmorgan@microbac.com.

Microbac Laboratories, Inc.

Baltimore Division

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0516
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/13/2009 10:07
Sparks, MD 21152	Project Manager: Dennis Coyle	

SAMPLE SUMMARY

Sample ID	Laboratory ID	Matrix	Type	Date Sampled	Date Received
SS-27	09B0516-01	Soil	Composite	02/04/2009 11:45	02/24/2009 12:04
SB-27	09B0516-02	Soil	Composite	02/04/2009 11:45	02/24/2009 12:04
SB-28	09B0516-03	Soil	Composite	02/04/2009 12:15	02/24/2009 12:04
SB-28-2	09B0516-04	Soil	Composite	02/04/2009 12:30	02/24/2009 12:04
SS-29	09B0516-05	Soil	Composite	02/04/2009 14:55	02/24/2009 12:04
SS-35	09B0516-06	Soil	Composite	02/05/2009 10:10	02/24/2009 12:04

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Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0516
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/13/2009 10:07
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-27

09B0516-01 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**84.59**	0.05	% by Weight	021009 0500	021109 0415	LCR	SM (20) 2540G	
Volatile Organic Compounds by EPA Method 8260B								
Chloromethane	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
Vinyl chloride	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
Bromomethane	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
Chloroethane	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
1,1-Dichloroethene	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
Acetone	ND	1400	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
Carbon disulfide	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
Methylene Chloride	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
Methyl-tert-Butyl Ether	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
trans-1,2-Dichloroethene	**520**	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, D
1,1-Dichloroethane	**1600**	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, D
cis-1,2-Dichloroethene	**2900**	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, D
Methyl Ethyl Ketone (2-Butanone)	ND	1400	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
Chloroform	**460**	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, D
1,1,1-Trichloroethane	**330**	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, D
Carbon Tetrachloride	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
Benzene	**48**	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, J, D
1,2-Dichloroethane	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
Trichloroethene	**2400**	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, D
1,2-Dichloropropane	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
Bromodichloromethane	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
Methyl Isobutyl Ketone	**1400**	1400	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, D
cis-1,3-Dichloropropene	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
Toluene	**950**	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, D
trans-1,3-Dichloropropene	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D
1,1,2-Trichloroethane	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	HI, U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0516
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/13/2009 10:07
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-27

09B0516-01 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
1,2-Dibromoethane	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	H1, U, D
Tetrachloroethene	**3500**	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	H1, D
Dibromochloromethane	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	H1, U, D
Chlorobenzene	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	H1, U, D
Ethylbenzene	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	H1, U, D
m,p-Xylenes	**82**	580	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	H1, J, D
o-Xylene	**43**	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	H1, J, D
Styrene	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	H1, U, D
Bromoform	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	H1
Isopropylbenzene (Cumene)	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	H1,
1,1,2,2-Tetrachloroethane	ND	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	H1, U, D
1,2-Dibromo-3-chloropropane	**57**	290	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	H1, J, D
Total Xylenes	**130**	870	ug/kg dry	020409 1145	022709 1742	EMG	EPA 8260B	H1, J, D
Surrogate: Dibromofluoromethane		*92.0%*	*80-120*	*020409 1145*	*022709 1742*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*87.6%*	*80-120*	*020409 1145*	*022709 1742*		*EPA 8260B*	
Surrogate: Toluene-d8		*93.4%*	*75-120*	*020409 1145*	*022709 1742*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*96.2%*	*60-149*	*020409 1145*	*022709 1742*		*EPA 8260B*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0516
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/13/2009 10:07
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-27

09B0516-02 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**80.52**	0.05	% by Weight	021009 0500	021109 0415	LCR	SM (20) 2540G	
Volatile Organic Compounds by EPA Method 8260B								
Chloromethane	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Vinyl chloride	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Bromomethane	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Chloroethane	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
1,1-Dichloroethene	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Acetone	ND	1400	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Carbon disulfide	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Methylene Chloride	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Methyl-tert-Butyl Ether	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
trans-1,2-Dichloroethene	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
1,1-Dichloroethane	**68**	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, J, D
cis-1,2-Dichloroethene	**190**	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, J, D
Methyl Ethyl Ketone (2-Butanone)	ND	1400	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Chloroform	**43**	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, J, D
1,1,1-Trichloroethane	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Carbon Tetrachloride	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Benzene	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
1,2-Dichloroethane	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Trichloroethene	**200**	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, J, D
1,2-Dichloropropane	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Bromodichloromethane	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Methyl Isobutyl Ketone	ND	1400	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
cis-1,3-Dichloropropene	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Toluene	**110**	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, J, D
trans-1,3-Dichloropropene	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
1,1,2-Trichloroethane	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
1,2-Dibromoethane	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0516
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/13/2009 10:07
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-27

09B0516-02 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Tetrachloroethene	**300**	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, D
Dibromochloromethane	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Chlorobenzene	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Ethylbenzene	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
m,p-Xylenes	ND	540	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
o-Xylene	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Styrene	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Bromoform	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Isopropylbenzene (Cumene)	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
1,1,2,2-Tetrachloroethane	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1
1,2-Dibromo-3-chloropropane	ND	270	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Total Xylenes	ND	810	ug/kg dry	020409 1145	022709 1126	EMG	EPA 8260B	H1, U, D
Surrogate: Dibromofluoromethane		*88.5%*	*80-120*	*020409 1145*	*022709 1126*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*83.4%*	*80-120*	*020409 1145*	*022709 1126*		*EPA 8260B*	
Surrogate: Toluene-d8		*94.6%*	*75-120*	*020409 1145*	*022709 1126*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*94.6%*	*60-149*	*020409 1145*	*022709 1126*		*EPA 8260B*	

Microbac Laboratories, Inc., Baltimore Division

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Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0516
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/13/2009 10:07
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-28

09B0516-03 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**92.52**	0.05	% by Weight	021009 0500	021109 0415	LCR	SM (20) 2540G	
Volatile Organic Compounds by EPA Method 8260B								
Chloromethane	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
Vinyl chloride	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
Bromomethane	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
Chloroethane	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
1,1-Dichloroethene	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
Acetone	ND	1300	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
Carbon disulfide	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
Methylene Chloride	**49**	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, J, D
Methyl-tert-Butyl Ether	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
trans-1,2-Dichloroethene	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
1,1-Dichloroethane	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
cis-1,2-Dichloroethene	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
Methyl Ethyl Ketone (2-Butanone)	ND	1300	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
Chloroform	**71**	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, J, D
1,1,1-Trichloroethane	**240**	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, J, D
Carbon Tetrachloride	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
Benzene	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
1,2-Dichloroethane	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
Trichloroethene	**4800**	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, D
1,2-Dichloropropane	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
Bromodichloromethane	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
Methyl Isobutyl Ketone	ND	1300	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
cis-1,3-Dichloropropene	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
Toluene	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
trans-1,3-Dichloropropene	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
1,1,2-Trichloroethane	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D
1,2-Dibromoethane	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	HI, U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/13/2009 10:07
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-28

09B0516-03 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Tetrachloroethene	**6800**	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	H1, D
Dibromochloromethane	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	H1, U, D
Chlorobenzene	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	H1, U, D
Ethylbenzene	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	H1, U, D
m,p-Xylenes	ND	530	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	H1, U, D
o-Xylene	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	H1, U, D
Styrene	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	H1, U, D
Bromoform	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	H1, U, D
Isopropylbenzene (Cumene)	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	H1, U, D
1,1,2,2-Tetrachloroethane	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	H1
1,2-Dibromo-3-chloropropane	ND	260	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	H1, U, D
Total Xylenes	ND	790	ug/kg dry	020409 1215	022709 1202	EMG	EPA 8260B	H1, U, D
Surrogate: Dibromofluoromethane		*92.8%*	*80-120*	*020409 1215*	*022709 1202*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*86.6%*	*80-120*	*020409 1215*	*022709 1202*		*EPA 8260B*	
Surrogate: Toluene-d8		*92.6%*	*75-120*	*020409 1215*	*022709 1202*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*92.8%*	*60-149*	*020409 1215*	*022709 1202*		*EPA 8260B*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/13/2009 10:07
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-28-2

09B0516-04 (Soil) Sampled: 02/04/2009 12:30; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Wet Chemistry								
% Solids	**79.08**	0.05	% by Weight	021009 0500	021109 0415	LCR	SM (20) 2540G	
Volatile Organic Compounds by EPA Method 8260B								
Chloromethane	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Vinyl chloride	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Bromomethane	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Chloroethane	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
1,1-Dichloroethene	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
`cetone	ND	1400	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
.arbon disulfide	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Methylene Chloride	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Methyl-tert-Butyl Ether	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
trans-1,2-Dichloroethene	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
1,1-Dichloroethane	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
cis-1,2-Dichloroethene	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Methyl Ethyl Ketone (2-Butanone)	ND	1400	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Chloroform	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
1,1,1-Trichloroethane	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Carbon Tetrachloride	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Benzene	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
1,2-Dichloroethane	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Trichloroethene	**190**	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, J, D
1,2-Dichloropropane	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Bromodichloromethane	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Methyl Isobutyl Ketone	ND	1400	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
cis-1,3-Dichloropropene	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Toluene	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
trans-1,3-Dichloropropene	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
1,1,2-Trichloroethane	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
1,2-Dibromoethane	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0516
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/13/2009 10:07
Sparks, MD 21152	Project Manager: Dennis Coyle	

SB-28-2

09B0516-04 (Soil) Sampled: 02/04/2009 12:30; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
Tetrachloroethene	**660**	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, D
Dibromochloromethane	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Chlorobenzene	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Ethylbenzene	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
m,p-Xylenes	ND	560	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
o-Xylene	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Styrene	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Bromoform	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Isopropylbenzene (Cumene)	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
1,1,2,2-Tetrachloroethane	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1,
1,2-Dibromo-3-chloropropane	ND	280	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Total Xylenes	ND	840	ug/kg dry	020409 1230	022709 1238	EMG	EPA 8260B	H1, U, D
Surrogate: Dibromofluoromethane		*92.4%*	*80-120*	*020409 1230*	*022709 1238*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*87.0%*	*80-120*	*020409 1230*	*022709 1238*		*EPA 8260B*	
Surrogate: Toluene-d8		*94.4%*	*75-120*	*020409 1230*	*022709 1238*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*95.8%*	*60-149*	*020409 1230*	*022709 1238*		*EPA 8260B*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0516
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/13/2009 10:07
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-29

09B0516-05 (Soil) Sampled: 02/04/2009 14:55; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Wet Chemistry								
% Solids	**88.83**	0.05	% by Weight	021009 0500	021109 0415	LCR	SM (20) 2540G	
Volatile Organic Compounds by EPA Method 8260B								
Chloromethane	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Vinyl chloride	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Bromomethane	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Chloroethane	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
1,1-Dichloroethene	**69**	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, J, D
cetone	ND	1100	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Carbon disulfide	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Methylene Chloride	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Methyl-tert-Butyl Ether	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
trans-1,2-Dichloroethene	**130**	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, J, D
1,1-Dichloroethane	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
cis-1,2-Dichloroethene	**4500**	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, D
Methyl Ethyl Ketone (2-Butanone)	ND	1100	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Chloroform	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
1,1,1-Trichloroethane	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Carbon Tetrachloride	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Benzene	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
1,2-Dichloroethane	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Trichloroethene	**23000**	2200	ug/kg dry	020409 1455	022709 1817	EMG	EPA 8260B	H1, D
1,2-Dichloropropane	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Bromodichloromethane	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Methyl Isobutyl Ketone	ND	1100	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
cis-1,3-Dichloropropene	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Toluene	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
trans-1,3-Dichloropropene	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
1,1,2-Trichloroethane	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
1,2-Dibromoethane	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0516
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/13/2009 10:07
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-29

09B0516-05 (Soil) Sampled: 02/04/2009 14:55; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
Tetrachloroethene	**37**	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, J, D
Dibromochloromethane	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Chlorobenzene	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Ethylbenzene	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
m,p-Xylenes	ND	440	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
o-Xylene	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Styrene	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Bromoform	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Isopropylbenzene (Cumene)	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
1,1,2,2-Tetrachloroethane	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1
1,2-Dibromo-3-chloropropane	ND	220	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Total Xylenes	ND	660	ug/kg dry	020409 1455	022709 1314	EMG	EPA 8260B	H1, U, D
Surrogate: Dibromofluoromethane		*94.1%*	*80-120*	*020409 1455*	*022709 1314*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*90.0%*	*80-120*	*020409 1455*	*022709 1314*		*EPA 8260B*	
Surrogate: Toluene-d8		*89.9%*	*75-120*	*020409 1455*	*022709 1314*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*98.5%*	*60-149*	*020409 1455*	*022709 1314*		*EPA 8260B*	

Microbac Laboratories, Inc., Baltimore Division

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Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0516
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/13/2009 10:07
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-35

09B0516-06 (Soil) Sampled: 02/05/2009 10:10; Type: Composite

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Wet Chemistry								
% Solids	**85.90**	0.05	% by Weight	021009 0500	021109 0415	LCR	SM (20) 2540G	
Volatile Organic Compounds by EPA Method 8260B								
Chloromethane	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
Vinyl chloride	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
Bromomethane	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
Chloroethane	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
1,1-Dichloroethene	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
Acetone	ND	1200	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
Carbon disulfide	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
Methylene Chloride	**31**	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, J, D
Methyl-tert-Butyl Ether	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
trans-1,2-Dichloroethene	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
1,1-Dichloroethane	**930**	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, D
cis-1,2-Dichloroethene	**200**	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, J, D
Methyl Ethyl Ketone (2-Butanone)	ND	1200	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
Chloroform	**330**	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, D
1,1,1-Trichloroethane	**88**	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, J, D
Carbon Tetrachloride	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
Benzene	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
1,2-Dichloroethane	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
Trichloroethene	**1300**	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, D
1,2-Dichloropropane	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
Bromodichloromethane	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
Methyl Isobutyl Ketone	ND	1200	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
cis-1,3-Dichloropropene	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
Toluene	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
trans-1,3-Dichloropropene	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
1,1,2-Trichloroethane	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D
1,2-Dibromoethane	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	H1, U, D

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0516
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/13/2009 10:07
Sparks, MD 21152	Project Manager: Dennis Coyle	

SS-35

09B0516-06 (Soil) Sampled: 02/05/2009 10:10; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Volatile Organic Compounds by EPA Method 8260B								
Tetrachloroethene	**1000**	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	HI, D
Dibromochloromethane	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	HI, U, D
Chlorobenzene	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	HI, U, D
Ethylbenzene	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	HI, U, D
m,p-Xylenes	ND	490	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	HI, U, D
o-Xylene	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	HI, U, D
Styrene	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	HI, U, D
Bromoform	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	HI, U, D
Isopropylbenzene (Cumene)	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	HI, U, D
1,1,2,2-Tetrachloroethane	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	HI
1,2-Dibromo-3-chloropropane	ND	250	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	HI, U, D
Total Xylenes	ND	740	ug/kg dry	020509 1010	022709 1350	EMG	EPA 8260B	HI, U, D
Surrogate: Dibromofluoromethane		*111%*	*80-120*	*020509 1010*	*022709 1350*		*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*102%*	*80-120*	*020509 1010*	*022709 1350*		*EPA 8260B*	
Surrogate: Toluene-d8		*83.4%*	*75-120*	*020509 1010*	*022709 1350*		*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*89.6%*	*60-149*	*020509 1010*	*022709 1350*		*EPA 8260B*	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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Baltimore Division

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09B0516
936 Ridgebrook Road	Project Number: Gateway South	Reported: 03/13/2009 10:07
Sparks, MD 21152	Project Manager: Dennis Coyle	

Notes and Definitions

U	Sample concentration is less than the MDL.
J	Analyte concentration is greater than the MDL but less than the reporting limit.
H1	Sample analyzed past maximum recommended holding time.
D	Sample Diluted
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Certifications

Below is a list of certifications maintained by Microbac Laboratories, Inc. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. A complete list of individual analytes pursuant to each certification below is available upon request.

- A2LA (Microbiology): 410.02
- A2LA (Environmental): 410.01
- AIHA (ELLAP): 100491
- CPSC: 1115
- Maryland (Drinking Water): 109
- NELAC (NY): 11158
- Pennsylvania: 68-00339/004
- USDA: S-53726
- Virginia (Drinking Water): 00152

Cooler Receipt Log

Cooler ID: Default Cooler

Cooler Temp: °C

Custody Seals Intact:	Yes	COC/Labels Agree:	Yes
Containers Intact:	Yes	Correct Preservation:	Yes
Received On Ice:	Yes	Correct Number of Containers Received:	Yes
Radiation Scan Acceptable:	Yes	VOAs Without Headspace:	Yes
COC Present:	Yes	Sufficient Sample Volume:	Yes

Comments:

Microbac

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Sample Submittal Chain of Custody Record

Work Order Number: 09B516

Page ____ of ____

Client Name: KCI Technologies	Project: Gateway South	Turnaround Time (Required)	QC and EDD Type (Required)	
Address: 936 Ridgebrook Rd	Location	[ ] Standard	[ ] Level I (NAC)	[ ] EDD
City, State, Zip: Sparks, MD 21152	PO #	[ ] RUSH* (notify lab)	[ ] Level II **	Format:
Contact: Dennis Coyle	Compliance Monitoring? [ ] Yes [ ] No	_____ (needed by)	[ ] Level III **	Comments:
Telephone #: 410-316-7800	(1)Agency/Program		[ ] Level IV **	

Sampled by (PRINT) _____ Sampler Signature _____ Sampler Phone # _____

Send Report via [ ] e-mail (address) _____ [ ] Mail [ ] Telephone [ ] Fax (fax #) _____

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analysis: 8260	Comments
SS-27			/		2/4/09	1145		X	
SB-27			X		2/4/09	1145			
SB-28			X		2/4/09	1015			
SB-28-2			X		2/4/09	1230			
SS-29			X		2/4/09	1455			
SS-35			X		2/5/09	1010		↓	

Possible Hazard Identification [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive Sample Disposition [ ] Dispose as appropriate [ ] Return [ ] Archive

Number of Containers:	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Cooler Number:					
Temp upon receipt(°C):	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Sample Received on Ice or Refrigerated from Client: Yes / No	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received for Lab By (signature)	Printed Name/Affiliation

Page 1 of 17

501 6.06.07 ** Surcharge May Apply to add'l QC Packages ** WHITE - LAB YELLOW - REPORT PINK - CLIENT RECEIPT Page 1 2

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Sample Submittal
Chain of Custody Record

Work Order Number: 09B0516

Page ____ of ____

Client Name: KCI Technologies	Project: Gateway South	Turnaround Time (Required)	QC and EDD Type (Required)
Address: 936 Ridgebrook Rd	Location:	[ ] Standard	[ ] Level I (NAC) [ ] EDD
City, State, Zip: Sparks, MD 21152	PO #	[ ] RUSH* (notify lab)	[ ] Level II ** Format:
Contact: Dennis Coyle	Compliance Monitoring? [ ] Yes [ ] No	_____ (needed by)	[ ] Level III ** Comments:
Telephone #: 410-316-7800	(1)Agency/Program		[ ] Level IV **

Sampled by (PRINT) _____ Sampler Signature _____ Sampler Phone # _____

Send Report via [ ] e-mail (address) _____ [ ] Mail [ ] Telephone [ ] Fax (fax #) _____

* **Matrix Types:** Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analysis: 8260	Comments
SS-27			X		2/4/09	1145		X	
SB-27			X		2/4/09	1145			
SB-28			X		2/4/09	1215			
SB-28-2			X		2/4/09	1230			
SS-29			X		2/4/09	1455			
SS-35			X		2/5/09	1010		↓	

Possible Hazard Identification [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive

Sample Disposition [ ] Dispose as appropriate [ ] Return [ ] Archive

Number of Containers:	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature) Lisa Hault	Printed Name/Affiliation
Cooler Number: Temp upon receipt(°C):	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Sample Received on Ice or Refrigerated from Client: Yes / No	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received for Lab By (signature)	Printed Name/Affiliation

501 6.06.07 ** Surcharge May Apply to add'l QC Packages ** WHITE - LAB YELLOW - REPORT PINK - CLIENT RECEIPT

Appendix D-3

Laboratory Certificates of Analysis and Chain-of-Custody Documentation *(Cr-6 and Hg-0)*

Microbac Laboratories, Inc.

Baltimore Division

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COVER LETTER

Chris Overcash
KCI Technologies
10 North Park Dr.
Hunt Valley, VA 21030

RE: Gateway South

April 08, 2009
Report No.: 09C0462

The report of analyses contains test results for samples received at Microbac Laboratories, Inc., Baltimore Division on 03/20/2009 10:28.

The enclosed results were obtained from and applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report has been reviewed and meet the applicable project and certification specific requirements, unless otherwise noted.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories, Inc.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

This Data Package contains the following:

- This Cover Page
- Sample Summary
- Test Results
- Notes and Definitions
- Cooler Receipt Log
- Chain of Custody

Lisa Grant

Final report reviewed by: Lisa M. Grant/Project Manager — 4/8/2009 Report issue date

All samples received in proper condition and results conform to ISO 17025 standards unless otherwise noted.

If we have not met or exceeded your expectations, please contact the Director or Trevor Boyce, President at tboyce@microbac.com or Robert Morgan, Chief Operation Officer, at rmorgan@microbac.com.

Microbac Laboratories, Inc.

Baltimore Division

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09C0462
10 North Park Dr.	Project Number: Gateway South	Reported: 04/08/2009 14:47
Hunt Valley, VA 21030	Project Manager: Chris Overcash	

SAMPLE SUMMARY

Sample ID	Laboratory ID	Matrix	Type	Date Sampled	Date Received
SB-31	09C0462-01	Soil	Composite	02/21/2009 12:59	03/20/2009 10:28
SB-38	09C0462-02	Soil	Composite	02/21/2009 12:59	03/20/2009 10:28
SS-27	09C0462-03	Soil	Composite	02/04/2009 11:45	03/20/2009 10:28
SB-28	09C0462-04	Soil	Composite	02/04/2009 12:15	03/20/2009 10:28
SB-30	09C0462-05	Soil	Composite	02/04/2009 14:10	03/20/2009 10:28
SS-DUP03	09C0462-06	Soil	Composite	02/05/2009 00:00	03/20/2009 10:28

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09C0462
10 North Park Dr.	Project Number: Gateway South	Reported: 04/08/2009 14:47
Hunt Valley, VA 21030	Project Manager: Chris Overcash	

SB-31

09C0462-01 (Soil) Sampled: 02/21/2009 12:59; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Knoxville Lab Div.								
Wet Chemistry								
Hexavalent Chromium	ND	0.49	mg/kg		032709 1820	KLD	SM (20) 3500Cr B-Mod	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09C0462
10 North Park Dr.	Project Number: Gateway South	Reported: 04/08/2009 14:47
Hunt Valley, VA 21030	Project Manager: Chris Overcash	

SB-38

09C0462-02 (Soil) Sampled: 02/21/2009 12:59; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc-Knoxville Lab Div.								
Wet Chemistry								
Hexavalent Chromium	ND	0.5	mg/kg		032709 1820	KLD	SM (20) 3500Cr B-Mod	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09C0462
10 North Park Dr.	Project Number: Gateway South	Reported: 04/08/2009 14:47
Hunt Valley, VA 21030	Project Manager: Chris Overcash	

SS-27

09C0462-03 (Soil) Sampled: 02/04/2009 11:45; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Enviro Chem Laboratories Inc								
Subcontracted Analyses								
Mercury, Elemental	**0.316**	0.077	mg/kg		040109 1322	SES	EPA 3200	

Microbac Laboratories, Inc., Baltimore Division

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Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09C0462
10 North Park Dr.	Project Number: Gateway South	Reported: 04/08/2009 14:47
Hunt Valley, VA 21030	Project Manager: Chris Overcash	

SB-28

09C0462-04 (Soil) Sampled: 02/04/2009 12:15; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Enviro Chem Laboratories Inc								
Subcontracted Analyses								
Mercury, Elemental	**0.297**	0.08	mg/kg		040109 1326	SES	EPA 3200	

Microbac Laboratories, Inc., Baltimore Division

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09C0462
10 North Park Dr.	Project Number: Gateway South	Reported: 04/08/2009 14:47
Hunt Valley, VA 21030	Project Manager: Chris Overcash	

SB-30

09C0462-05 (Soil) Sampled: 02/04/2009 14:10; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Enviro Chem Laboratories Inc								
Subcontracted Analyses								
Mercury, Elemental	**0.128**	0.077	mg/kg		040109 1327	SES	EPA 3200	

Microbac Laboratories, Inc., Baltimore Division

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Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09C0462
10 North Park Dr.	Project Number: Gateway South	Reported: 04/08/2009 14:47
Hunt Valley, VA 21030	Project Manager: Chris Overcash	

SS-DUP03

09C0462-06 (Soil) Sampled: 02/05/2009 00:00; Type: Composite

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Enviro Chem Laboratories Inc								
Subcontracted Analyses								
Mercury, Elemental	**0.134**	0.073	mg/kg		040109 1328	SES	EPA 3200	

Microbac Laboratories, Inc., Baltimore Division

Lisa Grant

Lisa M. Grant, Project Manager

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CERTIFICATE OF ANALYSIS

KCI Technologies	Project: Gateway South	Report: 09C0462
10 North Park Dr.	Project Number: Gateway South	Reported: 04/08/2009 14:47
Hunt Valley, VA 21030	Project Manager: Chris Overcash	

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Certifications

Below is a list of certifications maintained by Microbac Laboratories, Inc. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. A complete list of individual analytes pursuant to each certification below is available upon request.

A2LA (Microbiology): 410.02
- A2LA (Environmental): 410.01
- A2LA (ELLAP): 410.01
- CPSC: 1115
- Maryland (Drinking Water): 109
- NELAC (NY): 11158
- Pennsylvania: 68-00339
- USDA: S-53726
- Virginia (Drinking Water): 00152

Cooler Receipt Log

Cooler ID: Default Cooler

Cooler Temp: °C

Custody Seals Intact:	Yes	COC/Containers Agree:	Yes
Containers Intact:	Yes	Correct Preservation:	Yes
Received On Ice:	Yes	Correct Number of Containers Received:	Yes
Radiation Scan Acceptable:	Yes	Sufficient Sample Volume for Testing:	Yes
COC Present:	Yes	Samples Received in Proper Condition:	Yes

Comments:

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Sample Submittal
Chain of Custody Record

Work Order Number: 09CC162

Page ____ of ____

Client Name KCI	Project	Turnaround Time (Required)	QC and EDD Type (Required)	
Address	Location	[X] Standard	[ ] Level I (NAC)	[ ] EDD
City, State, Zip	PO #	[ ] RUSH* (notify lab)	[ ] Level II **	Format:
Contact	Compliance Monitoring? [ ] Yes [ ] No	(needed by)	[ ] Level III **	Comments:
Telephone #	(1)Agency/Program		[ ] Level IV **	

Sampled by (PRINT) _____ Sampler Signature _____ Sampler Phone # _____

Send Report via [ ] e-mail (address) _____ [ ] Mail [ ] Telephone [ ] Fax (fax #) _____

* **Matrix Types:** Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analysis: Hex Chrome	Elemental Hg							Comments
SB-31								X								Per email 3/10/09
SB-38																
SS-27									X-X-X							
SB-28																
SB-30																
SS-DUP03																

Possible Hazard Identification [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive

Sample Disposition [ ] Dispose as appropriate [ ] Return [ ] Archive

Number of Containers: / Cooler Number: / Temp upon receipt(°C): / Sample Received on Ice or Refrigerated from Client: Yes / No	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
			3/10/09		
	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received for Lab By (signature)	Printed Name/Affiliation

501 6.06.07 ** Surcharge May Apply to add'l QC Packages ** WHITE - LAB YELLOW - REPORT PINK - CLIENT RECEIPT

lgrant@microbac.com

From: "Jeffrey Gernand" <Jeffrey.Gernand@kci.com>
To: <lgrant@microbac.com>
Sent: Monday, March 16, 2009 11:02 AM
Subject: RE: Metals

Thanks Lisa. I looked over these data for the maximum chromium and mercury results in soil. Per our MDE Work Plan we need you to analyze the two highest chromium samples for hexavalent chromium. We also need you to analyze the four highest mercury samples for elemental mercury. By my assessment, the following need to be analyzed:

Hexavalent chromium: SB-31 and SB-38. 09B0125-28 and 20
Elemental mercury: SS-27, SB-28, SB-30, and SS-DUP03. B125-D 3, 6, 11, 22

Please submit these, and let me know how you are doing with the EDDs.

-----Original Message-----
From: lgrant@microbac.com [mailto:lgrant@microbac.com]
Sent: Friday, March 13, 2009 4:36 PM
To: Jeffrey Gernand
Subject: Metals

In our continuing efforts to improve our services to you, Microbac Laboratories is seeking your valuable feedback. Please evaluate your experiences with Microbac by taking a few minutes from your busy schedules to complete our survey.

http://www.microbac.com/about/CustomerSurvey2009.html

Lisa Grant
Project Manager

Microbac Laboratories, Inc.
Baltimore Division
2101 Van Deman Street, Baltimore MD 21224
Tele: 410-633-1800
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LGrant@microbac.com

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Ask your Customer Service Manager or Project Manager for a demo today!

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This data does not contain all the required items of a complete and official hard-copy Report of Analysis (e.g.: signature, issue data, total number of pages, definitions, etc.) Thank you.

Appendix E

Analytical Results Summary Tables

Maryland Chemical C[illegible] Phase II Site Assessment

Table A: Volatile Organic Compounds (VOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-27 SS-27 (0-4') 02/04/09			B-27 SB-27 (4-8') 02/04/09			B-28 SS-28 (2-4') 02/04/09			B-28 SB-28 (4-8') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,1,1-Trichloroethane	8260	200,000,000	16,000,000	**470**	94	J, D	ND	88	U, D	ND	87	U, D	**490**	90	J, D
1,1,2,2-Tetrachloroethane	8260	14,000	3,200	ND	31	U, D	ND	29	U, D	ND	29	U, D	ND	30	U, D
1,1,2,2-Tetrachloroethylene (PCE)	8260	5,300	1,200	**5700**	81	D	**600**	76	D	**240**	75	J, D	**14000**	77	D
1,1,2-Trichloroethane	8260	50,000	11,000	ND	50	U, D	ND	47	U, D	ND	46	U, D	ND	48	U, D
1,1,2-Trichloroethylene (TCE)	8260	7,200	1,600	**3900**	72	D	**390**	67	J, D	**150**	66	J, D	**10000**	69	D
1,1-Dichloroethane	8260	20,000,000	1,600,000	**2500**	46	D	**170**	43	J, D	ND	43	U, D	ND	44	U, D
1,1-Dichloroethylene	8260	5,100,000	390,000	ND	83	U, D	ND	78	U, D	ND	77	U, D	ND	80	U, D
1,2-Dibromo-3-chloropropane	8260	--	--	ND	39	U, D	ND	37	U, D	ND	36	U, D	ND	38	U, D
1,2-Dibromoethane	8260	1,400	320	ND	41	U, D	ND	38	U, D	ND	37	U, D	ND	39	U, D
1,2-Dichloroethane	8260	31,000	7,000	ND	39	U, D	ND	37	U, D	ND	36	U, D	ND	38	U, D
1,2-Dichloropropane	8260	42,000	9,400	ND	71	U, D	ND	66	U, D	ND	65	U, D	ND	67	U, D
Acetone	8260	92,000,000	7,000,000	ND	210	U, D	ND	190	U, D	ND	190	U, D	ND	200	U, D
Benzene	8260	52,000	12,000	**49**	48	J, D	ND	44	U, D	ND	44	U, D	ND	45	U, D
Bromodichloromethane	8260	46,000	10,000	ND	46	U, D	ND	43	U, D	ND	43	U, D	ND	44	U, D
Bromoform	8260	360,000	81,000	ND	46	U, D	ND	43	U, D	ND	43	U, D	ND	44	U, D
Bromomethane	8260	140,000	11,000	ND	180	U, D	ND	170	U, D	ND	160	U, D	ND	170	U, D
Carbon Disulfide	8260	10,000,000	780,000	ND	79	U, D	ND	74	U, D	ND	73	U, D	ND	75	U, D
Carbon Tetrachloride	8260	22,000	4,900	ND	110	U, D	ND	100	U, D	ND	100	U, D	ND	100	U, D
Chlorobenzene	8260	2,000,000	160,000	ND	53	U, D	ND	50	U, D	ND	49	U, D	ND	51	U, D
Chloroethane	8260	990,000	220,000	ND	130	U, D	ND	120	U, D	ND	120	U, D	ND	120	U, D
Chloroform	8260	1,000,000	78,000	**670**	48	D	**89**	44	J, D	ND	44	U, D	**130**	45	J, D
Chloromethane	8260	--	--	ND	97	U, D	ND	91	U, D	ND	90	U, D	ND	93	U, D
cis-1,2-Dichloroethylene	8260	1,000,000	78,000	**4700**	65	D	**450**	61	J, D	ND	60	U, D	ND	62	U, D
cis-1,3-Dichloropropylene	8260	29,000	6,400	ND	51	U, D	ND	48	U, D	ND	47	U, D	ND	49	U, D
Dibromochloromethane	8260	34,000	7,600	ND	39	U, D	ND	37	U, D	ND	36	U, D	ND	38	U, D
Ethylbenzene	8260	10,000,000	780,000	ND	57	U, D	ND	53	U, D	ND	52	U, D	ND	54	U, D
Isopropylbenzene	8260	10,000,000	780,000	ND	73	U, D	ND	68	U, D	ND	67	U, D	ND	70	U, D
m,p-Xylene	8260	--	--	**110**	110	J, D	ND	100	U, D	ND	98	U, D	ND	100	U, D
Methyl Ethyl Ketone	8260	61,000,000	4,700,000	ND	150	U, D	ND	140	U, D	ND	140	U, D	ND	140	U, D
Methyl Isobutyl Ketone	8260	--	--	**1600**	190	J, D	ND	180	U, D	ND	180	U, D	ND	180	U, D
Methylene Chloride	8260	380,000	85,000	ND	51	U, D	ND	48	U, D	ND	47	U, D	ND	49	U, D
Methyl-tert-Butyl-Ether	8260	720,000	160,000	ND	100	U, D	ND	95	U, D	ND	94	U, D	ND	97	U, D
o-Xylene	8260	--	--	**60**	36	J, D	ND	34	U, D	ND	33	U, D	ND	34	U, D
Styrene	8260	20,000,000	1,600,000	ND	48	U, D	ND	44	U, D	ND	44	U, D	ND	45	U, D
Toluene	8260	8,200,000	630,000	**1100**	65	D	**190**	61	J, D	ND	60	U, D	ND	62	U, D
Total Xylenes	8260	20,000,000	1,600,000	**170**		J, D	ND		U, D	ND		U, D	ND		U, D
trans-1,2-Dichloroethylene	8260	2,000,000	160,000	**800**	79	D	**83**	74	J, D	ND	73	U, D	ND	75	U, D
trans-1,3-Dichloropropylene	8260	29,000	6,400	ND	38	U, D	ND	36	U, D	ND	35	U, D	ND	37	U, D
Vinyl Chloride	8260	4,000 (adult)	90 (early life)	ND	99	U, D	ND	92	U, D	ND	91	U, D	ND	94	U, D

Table Notes:

D: Sample diluted

H1: Sample analyzed past maxiumum recommended holding time

J: Analyte concentration is greater than the MDL but less than the reporting limit.

Q1: Sample received with headspace.

R2: MS/MSD RPD was out of acceptance limits. Recoveries met acceptance limits.

S4: Surrogate recovery was below laboratory acceptance limits. Reported data is estimated.

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical C[illegible] Phase II Site Assessment

Table A (con't): Volatile Organic Compounds (VOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-28 SB-28-2 (14-16') 02/04/09			B-29 SS-29 (2-4') 02/04/09			B-29 SB-29 (6-8') 02/04/09			B-30 SS-30 (0-4') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,1,1-Trichloroethane	8260	200,000,000	16,000,000	ND	91	U, D	ND	72	U, D	ND	79	H1, U, D	ND	86	U, D
1,1,2,2-Tetrachloroethane	8260	14,000	3,200	ND	30	U, D	ND	24	U, D	ND	26	H1, U, D	ND	29	U, D
1,1,2,2-Tetrachloroethylene (PCE)	8260	5,300	1,200	**1300**	78	D	**70**	62	J, D	ND	69	H1, U, D	ND	75	U, D
1,1,2-Trichloroethane	8260	50,000	11,000	ND	48	U, D	ND	38	U, D	ND	42	H1, U, D	ND	46	U, D
1,1,2-Trichloroethylene (TCE)	8260	7,200	1,600	**400**	70	J, D	**39000**		S4, D	**150**	61	H1, J, D	ND	66	U, D
1,1-Dichloroethane	8260	20,000,000	1,600,000	ND	45	U, D	ND	35	U, D	ND	39	H1, U, D	ND	43	U, D
1,1-Dichloroethylene	8260	5,100,000	390,000	ND	81	U, D	**110**	64	J, D	ND	71	H1, U, D	ND	77	U, D
1,2-Dibromo-3-chloropropane	8260	--	--	ND	38	U, D	ND	30	U, D	ND	33	H1, U, D	ND	36	U, D
1,2-Dibromoethane	8260	1,400	320	ND	39	U, D	ND	31	U, D	ND	34	H1, U, D	ND	37	U, D
1,2-Dichloroethane	8260	31,000	7,000	ND	38	U, D	ND	30	U, D	ND	33	H1, U, D	ND	36	U, D
1,2-Dichloropropane	8260	42,000	9,400	ND	68	U, D	ND	54	U, D	ND	60	H1, U, D	ND	65	U, D
Acetone	8260	92,000,000	7,000,000	ND	200	U, D	ND	160	U, D	ND	170	H1, U, D	ND	190	U, D
Benzene	8260	52,000	12,000	ND	46	U, D	ND	36	U, D	ND	40	H1, U, D	ND	44	U, D
Bromodichloromethane	8260	46,000	10,000	ND	45	U, D	ND	35	U, D	ND	39	H1, U, D	ND	43	U, D
Bromoform	8260	360,000	81,000	ND	45	U, D	ND	35	U, D	ND	39	H1, U, D	ND	43	U, D
Bromomethane	8260	140,000	11,000	ND	170	U, D	ND	140	U, D	ND	150	H1, U, D	ND	160	U, D
Carbon Disulfide	8260	10,000,000	780,000	ND	76	U, D	ND	60	U, D	ND	67	H1, U, D	ND	72	U, D
Carbon Tetrachloride	8260	22,000	4,900	ND	110	U, D	ND	83	U, D	ND	92	H1, U, D	ND	100	U, D
Chlorobenzene	8260	2,000,000	160,000	ND	52	U, D	ND	41	U, D	ND	45	H1, U, D	ND	49	U, D
Chloroethane	8260	990,000	220,000	ND	120	U, D	ND	98	U, D	ND	110	H1, U, D	ND	120	U, D
Chloroform	8260	1,000,000	78,000	ND	46	U, D	ND	36	U, D	ND	40	H1, U, D	ND	44	U, D
Chloromethane	8260	--	--	ND	94	U, D	ND	74	U, D	ND	82	H1, U, D	ND	90	U, D
cis-1,2-Dichloroethylene	8260	1,000,000	78,000	ND	63	U, D	**7900**	50	D	ND	55	H1, U, D	ND	60	U, D
cis-1,3-Dichloropropylene	8260	29,000	6,400	ND	49	U, D	ND	39	U, D	ND	43	H1, U, D	ND	47	U, D
Dibromochloromethane	8260	34,000	7,600	ND	38	U, D	ND	30	U, D	ND	33	H1, U, D	ND	36	U, D
Ethylbenzene	8260	10,000,000	780,000	ND	55	U, D	ND	43	U, D	ND	48	H1, U, D	ND	52	U, D
Isopropylbenzene	8260	10,000,000	780,000	ND	71	U, D	ND	56	U, D	ND	62	H1, U, D	ND	67	U, D
m,p-Xylene	8260	--	--	ND	100	U, D	ND	82	U, D	ND	90	H1, U, D	ND	98	U, D
Methyl Ethyl Ketone	8260	61,000,000	4,700,000	ND	140	U, D	ND	110	U, D	ND	130	H1, U, D	ND	140	U, D
Methyl Isobutyl Ketone	8260	--	--	ND	190	U, D	ND	150	U, D	ND	160	H1, U, D	ND	180	U, D
Methylene Chloride	8260	380,000	85,000	ND	49	U, D	ND	39	U, D	ND	43	H1, U, D	ND	47	U, D
Methyl-tert-Butyl-Ether	8260	720,000	160,000	ND	99	U, D	ND	78	U, D	ND	86	H1, U, D	ND	94	U, D
o-Xylene	8260	--	--	ND	35	U, D	ND	27	U, D	ND	30	H1, U, D	ND	33	U, D
Styrene	8260	20,000,000	1,600,000	ND	46	U, D	ND	36	U, D	ND	40	H1, U, D	ND	44	U, D
Toluene	8260	8,200,000	630,000	ND	63	U, D	ND	50	U, D	ND	55	H1, U, D	ND	60	U, D
Total Xylenes	8260	20,000,000	1,600,000	ND		U, D	ND		U, D	ND		H1, U, D	ND		U, D
trans-1,2-Dichloroethylene	8260	2,000,000	160,000	ND	76	U, D	**210**	60	J, D	ND	67	H1, U, D	ND	72	U, D
trans-1,3-Dichloropropylene	8260	29,000	6,400	ND	37	U, D	ND	29	U, D	ND	32	H1, U, D	ND	35	U, D
Vinyl Chloride	8260	4,000 (adult)	90 (early life)	ND	95	U, D	ND	75	U, D	ND	83	H1, U, D	ND	91	U, D

Table Notes:

D: Sample diluted

H1: Sample analyzed past maxiumum recommended holding time

J: Analyte concentration is greater than the MDL but less than the reporting limit.

Q1: Sample received with headspace.

R2: MS/MSD RPD was out of acceptance limits. Recoveries met acceptance limits.

S4: Surrogate recovery was below laboratory acceptance limits. Reported data is estimated.

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Table A (con't): Volatile Organic Compounds (VOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-30 SB-30 (4-8') 02/04/09			B-31 SS-31 (3-4') 02/04/09			B-31 SB-31 (4-6') 02/04/09			B-32 SS-32 (0-1') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,1,1-Trichloroethane	8260	200,000,000	16,000,000	ND	76	U, D	ND	100	U, D	ND	90	U, D	ND	71	S4, U, D
1,1,2,2-Tetrachloroethane	8260	14,000	3,200	ND	25	U, D	ND	33	U, D	ND	30	U, D	ND	24	U, D
1,1,2,2-Tetrachloroethylene (PCE)	8260	5,300	1,200	ND	66	U, D	ND	86	U, D	ND	78	U, D	ND	61	U, D
1,1,2-Trichloroethane	8260	50,000	11,000	ND	41	U, D	ND	53	U, D	ND	48	U, D	ND	38	S4, U, D
1,1,2-Trichloroethylene (TCE)	8260	7,200	1,600	ND	58	U, D	**110**	76	J, D	ND	69	U, D	**140**	54	S4, J, D
1,1-Dichloroethane	8260	20,000,000	1,600,000	ND	38	U, D	ND	49	U, D	ND	44	U, D	ND	35	S4, U, D
1,1-Dichloroethylene	8260	5,100,000	390,000	ND	68	R2, U, D	ND	89	U, D	ND	80	U, D	ND	63	S4, U, D
1,2-Dibromo-3-chloropropane	8260	--	--	ND	32	U, D	**95**	42	J, D	ND	38	U, D	ND	30	U, D
1,2-Dibromoethane	8260	1,400	320	ND	33	U, D	ND	43	U, D	ND	39	U, D	ND	31	S4, U, D
1,2-Dichloroethane	8260	31,000	7,000	ND	32	U, D	ND	42	U, D	ND	38	U, D	ND	30	S4, U, D
1,2-Dichloropropane	8260	42,000	9,400	ND	57	U, D	ND	75	U, D	ND	68	U, D	ND	53	S4, U, D
Acetone	8260	92,000,000	7,000,000	ND	170	U, D	ND	220	U, D	ND	200	U, D	ND	160	S4, U, D
Benzene	8260	52,000	12,000	ND	39	U, D	ND	51	U, D	ND	45	U, D	ND	36	S4, U, D
Bromodichloromethane	8260	46,000	10,000	ND	38	U, D	ND	49	U, D	ND	44	U, D	ND	35	S4, U, D
Bromoform	8260	360,000	81,000	ND	38	U, D	ND	49	U, D	ND	44	U, D	ND	35	U, D
Bromomethane	8260	140,000	11,000	ND	140	U, D	ND	190	U, D	ND	170	U, D	ND	130	S4, U, D
Carbon Disulfide	8260	10,000,000	780,000	ND	64	U, D	ND	84	U, D	ND	75	U, D	ND	60	S4, U, D
Carbon Tetrachloride	8260	22,000	4,900	ND	89	U, D	ND	120	U, D	ND	100	U, D	ND	82	S4, U, D
Chlorobenzene	8260	2,000,000	160,000	ND	43	U, D	ND	57	U, D	ND	51	U, D	ND	40	U, D
Chloroethane	8260	990,000	220,000	ND	100	U, D	ND	140	U, D	ND	120	U, D	ND	96	S4, U, D
Chloroform	8260	1,000,000	78,000	ND	39	U, D	ND	51	U, D	ND	45	U, D	ND	36	S4, U, D
Chloromethane	8260	--	--	ND	79	U, D	ND	100	U, D	ND	93	U, D	ND	74	S4, U, D
cis-1,2-Dichloroethylene	8260	1,000,000	78,000	ND	53	U, D	**130**	69	J, D	ND	62	U, D	ND	49	S4, U, D
cis-1,3-Dichloropropylene	8260	29,000	6,400	ND	41	U, D	ND	54	U, D	ND	49	U, D	ND	39	S4, U, D
Dibromochloromethane	8260	34,000	7,600	ND	32	U, D	ND	42	U, D	ND	38	U, D	ND	30	U, D
Ethylbenzene	8260	10,000,000	780,000	ND	46	U, D	ND	60	U, D	ND	54	U, D	ND	43	U, D
Isopropylbenzene	8260	10,000,000	780,000	ND	59	U, D	ND	78	U, D	ND	70	U, D	ND	55	U, D
m,p-Xylene	8260	--	--	ND	87	U, D	ND	110	U, D	ND	100	U, D	ND	81	U, D
Methyl Ethyl Ketone	8260	61,000,000	4,700,000	ND	120	U, D	ND	160	U, D	ND	140	U, D	ND	110	S4, U, D
Methyl Isobutyl Ketone	8260	--	--	ND	160	U, D	ND	200	U, D	ND	180	U, D	ND	150	S4, U, D
Methylene Chloride	8260	380,000	85,000	ND	41	U, D	ND	54	U, D	ND	49	U, D	ND	39	S4, U, D
Methyl-tert-Butyl-Ether	8260	720,000	160,000	ND	83	U, D	ND	110	U, D	ND	98	U, D	ND	77	S4, U, D
o-Xylene	8260	--	--	ND	29	U, D	ND	38	U, D	ND	34	U, D	ND	27	U, D
Styrene	8260	20,000,000	1,600,000	ND	39	U, D	ND	51	U, D	ND	45	U, D	ND	36	U, D
Toluene	8260	8,200,000	630,000	ND	53	R2, U, D	ND	69	U, D	ND	62	U, D	ND	49	S4, U, D
Total Xylenes	8260	20,000,000	1,600,000	ND		U, D	ND		U, D	ND		U, D	ND		U, D
trans-1,2-Dichloroethylene	8260	2,000,000	160,000	ND	64	U, D	ND	84	U, D	ND	75	U, D	ND	60	S4, U, D
trans-1,3-Dichloropropylene	8260	29,000	6,400	ND	31	U, D	ND	41	U, D	ND	37	U, D	ND	29	S4, U, D
Vinyl Chloride	8260	4,000 (adult)	90 (early life)	ND	80	U, D	ND	100	U, D	ND	94	U, D	ND	75	S4, U, D

Table Notes:

D: Sample diluted

H1: Sample analyzed past maxiumum recommended holding time

J: Analyte concentration is greater than the MDL but less than the reporting limit.

Q1: Sample received with headspace.

R2: MS/MSD RPD was out of acceptance limits. Recoveries met acceptance limits.

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U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

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Table A (con't): Volatile Organic Compounds (VOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-33 SS-33 (0-4') 02/06/09			B-33 SS-33 (0-4') 02/19/09			B-33 SB-33 (4-6') 02/19/09			B-34 SS-34 (4-12') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,1,1-Trichloroethane	8260	200,000,000	16,000,000	ND	79	U, D	ND	43	Q1, U, D	ND	35	U, D	ND	86	U, D
1,1,2,2-Tetrachloroethane	8260	14,000	3,200	ND	26	U, D	ND	14	Q1, U, D	ND	12	U, D	ND	29	U, D
1,1,2,2-Tetrachloroethylene (PCE)	8260	5,300	1,200	ND	68	U, D	ND	38	Q1, U, D	ND	30	U, D	ND	75	U, D
1,1,2-Trichloroethane	8260	50,000	11,000	ND	42	U, D	ND	23	Q1, U, D	ND	19	U, D	ND	46	U, D
1,1,2-Trichloroethylene (TCE)	8260	7,200	1,600	ND	60	U, D	**43**	33	Q1, J, D	ND	27	U, D	ND	66	U, D
1,1-Dichloroethane	8260	20,000,000	1,600,000	ND	39	U, D	ND	21	Q1, U, D	ND	17	U, D	ND	43	U, D
1,1-Dichloroethylene	8260	5,100,000	390,000	ND	70	U, D	ND	39	Q1, U, D	ND	31	U, D	ND	77	U, D
1,2-Dibromo-3-chloropropane	8260	--	--	ND	33	U, D	ND	18	Q1, U, D	ND	15	U, D	ND	36	U, D
1,2-Dibromoethane	8260	1,400	320	ND	34	U, D	ND	19	Q1, U, D	ND	15	U, D	ND	37	U, D
1,2-Dichloroethane	8260	31,000	7,000	ND	33	U, D	ND	18	Q1, U, D	ND	15	U, D	ND	36	U, D
1,2-Dichloropropane	8260	42,000	9,400	ND	59	U, D	ND	33	Q1, U, D	ND	26	U, D	ND	65	U, D
Acetone	8260	92,000,000	7,000,000	ND	170	U, D	ND	96	Q1, U, D	ND	77	U, D	ND	190	U, D
Benzene	8260	52,000	12,000	ND	40	U, D	ND	22	Q1, U, D	ND	18	U, D	ND	44	U, D
Bromodichloromethane	8260	46,000	10,000	ND	39	U, D	ND	21	Q1, U, D	ND	17	U, D	ND	43	U, D
Bromoform	8260	360,000	81,000	ND	39	U, D	ND	21	Q1, U, D	ND	17	U, D	ND	43	U, D
Bromomethane	8260	140,000	11,000	ND	150	U, D	ND	82	Q1, U, D	ND	66	U, D	ND	160	U, D
Carbon Disulfide	8260	10,000,000	780,000	ND	66	U, D	ND	37	Q1, U, D	ND	29	U, D	ND	73	U, D
Carbon Tetrachloride	8260	22,000	4,900	ND	91	U, D	ND	50	Q1, U, D	ND	41	U, D	ND	100	U, D
Chlorobenzene	8260	2,000,000	160,000	ND	45	U, D	ND	25	Q1, U, D	ND	20	U, D	ND	49	U, D
Chloroethane	8260	990,000	220,000	ND	110	U, D	ND	59	Q1, U, D	ND	48	U, D	ND	120	U, D
Chloroform	8260	1,000,000	78,000	ND	40	U, D	ND	22	Q1, U, D	ND	18	U, D	ND	44	U, D
Chloromethane	8260	--	--	ND	81	U, D	ND	45	Q1, U, D	ND	36	U, D	ND	90	U, D
cis-1,2-Dichloroethylene	8260	1,000,000	78,000	ND	54	U, D	ND	30	Q1, U, D	ND	24	U, D	ND	60	U, D
cis-1,3-Dichloropropylene	8260	29,000	6,400	ND	43	U, D	ND	24	Q1, U, D	ND	19	U, D	ND	47	U, D
Dibromochloromethane	8260	34,000	7,600	ND	33	U, D	ND	18	Q1, U, D	ND	15	U, D	ND	36	U, D
Ethylbenzene	8260	10,000,000	780,000	ND	47	U, D	ND	26	Q1, U, D	ND	21	U, D	ND	52	U, D
Isopropylbenzene	8260	10,000,000	780,000	ND	61	U, D	ND	34	Q1, U, D	ND	27	U, D	ND	67	U, D
m,p-Xylene	8260	--	--	ND	89	U, D	ND	49	Q1, U, D	ND	40	U, D	ND	98	U, D
Methyl Ethyl Ketone	8260	61,000,000	4,700,000	ND	130	U, D	ND	69	Q1, U, D	ND	56	U, D	ND	140	U, D
Methyl Isobutyl Ketone	8260	--	--	ND	160	U, D	ND	89	Q1, U, D	ND	72	U, D	ND	180	U, D
Methylene Chloride	8260	380,000	85,000	ND	43	U, D	ND	24	Q1, U, D	ND	19	U, D	ND	47	U, D
Methyl-tert-Butyl-Ether	8260	720,000	160,000	ND	85	U, D	ND	47	Q1, U, D	ND	38	U, D	ND	94	U, D
o-Xylene	8260	--	--	ND	30	U, D	ND	17	Q1, U, D	ND	13	U, D	ND	33	U, D
Styrene	8260	20,000,000	1,600,000	ND	40	U, D	ND	22	Q1, U, D	ND	18	U, D	ND	44	U, D
Toluene	8260	8,200,000	630,000	ND	54	U, D	ND	30	Q1, U, D	ND	24	U, D	ND	60	U, D
Total Xylenes	8260	20,000,000	1,600,000	ND		U, D	ND	66	Q1, U, D	ND	53	U, D	ND		U, D
trans-1,2-Dichloroethylene	8260	2,000,000	160,000	ND	66	U, D	ND	37	Q1, U, D	ND	29	U, D	ND	73	U, D
trans-1,3-Dichloropropylene	8260	29,000	6,400	ND	32	U, D	ND	18	Q1, U, D	ND	14	U, D	ND	35	U, D
Vinyl Chloride	8260	4,000 (adult)	90 (early life)	ND	82	U, D	ND	46	Q1, U, D	ND	37	U, D	ND	91	U, D

Table Notes:

D: Sample diluted

H1: Sample analyzed past maxiumum recommended holding time

J: Analyte concentration is greater than the MDL but less than the reporting limit.

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Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-34 SB-34 (12-16') 02/12/09			B-35 SS-35 (2-4') 02/05/09			B-35 SB-35 (4-8') 02/05/09			B-36 SS-36 (0-4') 02/05/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,1,1-Trichloroethane	8260	200,000,000	16,000,000	ND	87	U, D	**130**	80	J, D	ND	75	U, D	ND	75	H1, U, D
1,1,2,2-Tetrachloroethane	8260	14,000	3,200	ND	29	U, D	ND	27	U, D	ND	25	U, D	ND	25	H1, U, D
1,1,2,2-Tetrachloroethylene (PCE)	8260	5,300	1,200	ND	75	U, D	**2000**	69	D	**140**	65	J, D	ND	65	H1, U, D
1,1,2-Trichloroethane	8260	50,000	11,000	ND	46	U, D	ND	42	U, D	ND	40	U, D	ND	40	H1, U, D
1,1,2-Trichloroethylene (TCE)	8260	7,200	1,600	ND	66	U, D	**1600**	61	D	**85**	57	J, D	ND	58	H1, U, D
1,1-Dichloroethane	8260	20,000,000	1,600,000	ND	43	U, D	**1400**	40	D	**100**	37	J, D	ND	37	H1, U, D
1,1-Dichloroethylene	8260	5,100,000	390,000	ND	77	U, D	ND	71	U, D	ND	66	U, D	ND	67	H1, U, D
1,2-Dibromo-3-chloropropane	8260	--	--	ND	36	U, D	ND	34	U, D	ND	31	U, D	ND	32	H1, U, D
1,2-Dibromoethane	8260	1,400	320	ND	37	U, D	ND	35	U, D	ND	32	U, D	ND	33	H1, U, D
1,2-Dichloroethane	8260	31,000	7,000	ND	36	U, D	ND	34	U, D	ND	31	U, D	ND	32	H1, U, D
1,2-Dichloropropane	8260	42,000	9,400	ND	65	U, D	ND	60	U, D	ND	56	U, D	ND	57	H1, U, D
Acetone	8260	92,000,000	7,000,000	ND	190	U, D	ND	180	U, D	ND	160	U, D	ND	170	H1, U, D
Benzene	8260	52,000	12,000	ND	44	U, D	ND	41	U, D	ND	38	U, D	ND	38	H1, U, D
Bromodichloromethane	8260	46,000	10,000	ND	43	U, D	ND	40	U, D	ND	37	U, D	ND	37	H1, U, D
Bromoform	8260	360,000	81,000	ND	43	U, D	ND	40	U, D	ND	37	U, D	ND	37	H1, U, D
Bromomethane	8260	140,000	11,000	ND	160	U, D	ND	150	U, D	ND	140	U, D	ND	140	H1, U, D
Carbon Disulfide	8260	10,000,000	780,000	ND	73	U, D	ND	67	U, D	ND	63	U, D	ND	63	H1, U, D
Carbon Tetrachloride	8260	22,000	4,900	ND	100	U, D	**250**	93	J, D	ND	87	U, D	ND	87	H1, U, D
Chlorobenzene	8260	2,000,000	160,000	ND	49	U, D	ND	45	U, D	ND	42	U, D	ND	43	H1, U, D
Chloroethane	8260	990,000	220,000	ND	120	U, D	ND	110	U, D	ND	100	U, D	ND	100	H1, U, D
Chloroform	8260	1,000,000	78,000	ND	44	U, D	**510**	41	D	ND	38	U, D	ND	38	H1, U, D
Chloromethane	8260	--	--	ND	90	U, D	ND	83	U, D	ND	78	U, D	ND	78	H1, U, D
cis-1,2-Dichloroethylene	8260	1,000,000	78,000	ND	60	U, D	**230**	55	J, D	ND	52	U, D	ND	52	H1, U, D
cis-1,3-Dichloropropylene	8260	29,000	6,400	ND	47	U, D	ND	43	U, D	ND	41	U, D	ND	41	H1, U, D
Dibromochloromethane	8260	34,000	7,600	ND	36	U, D	ND	34	U, D	ND	31	U, D	ND	32	H1, U, D
Ethylbenzene	8260	10,000,000	780,000	ND	52	U, D	ND	48	U, D	ND	45	U, D	ND	46	H1, U, D
Isopropylbenzene	8260	10,000,000	780,000	**2700**	67	D	ND	62	U, D	ND	58	U, D	ND	59	H1, U, D
m,p-Xylene	8260	--	--	ND	98	U, D	ND	91	U, D	ND	85	U, D	ND	85	H1, U, D
Methyl Ethyl Ketone	8260	61,000,000	4,700,000	ND	140	U, D	ND	130	U, D	ND	120	U, D	ND	120	H1, U, D
Methyl Isobutyl Ketone	8260	--	--	ND	180	U, D	ND	160	U, D	ND	150	U, D	ND	150	H1, U, D
Methylene Chloride	8260	380,000	85,000	ND	47	U, D	ND	43	U, D	ND	41	U, D	ND	41	H1, U, D
Methyl-tert-Butyl-Ether	8260	720,000	160,000	ND	94	U, D	ND	87	U, D	ND	81	U, D	ND	82	H1, U, D
o-Xylene	8260	--	--	ND	33	U, D	ND	31	U, D	ND	29	U, D	ND	29	H1, U, D
Styrene	8260	20,000,000	1,600,000	ND	44	U, D	ND	41	U, D	ND	38	U, D	ND	38	H1, U, D
Toluene	8260	8,200,000	630,000	ND	60	U, D	ND	55	U, D	ND	52	U, D	ND	52	H1, U, D
Total Xylenes	8260	20,000,000	1,600,000	ND		U, D	ND		U, D	ND		U, D	ND		H1, U, D
trans-1,2-Dichloroethylene	8260	2,000,000	160,000	ND	73	U, D	ND	67	U, D	ND	63	U, D	ND	63	H1, U, D
trans-1,3-Dichloropropylene	8260	29,000	6,400	ND	35	U, D	ND	33	U, D	ND	30	U, D	ND	31	H1, U, D
Vinyl Chloride	8260	4,000 (adult)	90 (early life)	ND	91	U, D	ND	84	U, D	ND	78	U, D	ND	79	H1, U, D

Table Notes:

D: Sample diluted

H1: Sample analyzed past maxiumum recommended holding time

J: Analyte concentration is greater than the MDL but less than the reporting limit.

Q1: Sample received with headspace.

R2: MS/MSD RPD was out of acceptance limits. Recoveries met acceptance limits.

S4: Surrogate recovery was below laboratory acceptance limits. Reported data is estimated.

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical C[illegible] Phase II Site Assessment

Table A (con't): Volatile Organic Compounds (VOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-36 SB-36 (4-8') 02/05/09			B-37 SS-37 (0-4') 02/04/09			B-37 SB-37 (4-8') 02/04/09			B-38 SS-38 (0-4') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,1,1-Trichloroethane	8260	200,000,000	16,000,000	ND	81	U, D	**ND**	110	U, D	ND	90	H1, U, D	**260**	72	H1, J, D
1,1,2,2-Tetrachloroethane	8260	14,000	3,200	ND	27	U, D	ND	36	U, D	ND	30	H1, U, D	ND	24	H1, U, D
1,1,2,2-Tetrachloroethylene (PCE)	8260	5,300	1,200	**540**	70	D	**410**	94	J, D	**87**	78	H1, J, D	**120**	63	H1, J, D
1,1,2-Trichloroethane	8260	50,000	11,000	ND	43	U, D	ND	58	U, D	ND	48	H1, U, D	ND	38	H1, U, D
1,1,2-Trichloroethylene (TCE)	8260	7,200	1,600	2100	62	D	**240**	83	J, D	ND	69	H1, U, D	**17000**	55	H1, D
1,1-Dichloroethane	8260	20,000,000	1,600,000	310	40	J, D	**ND**	54	U, D	ND	44	H1, U, D	ND	36	H1, U, D
1,1-Dichloroethylene	8260	5,100,000	390,000	ND	72	U, D	ND	97	U, D	ND	80	H1, U, D	ND	64	H1, U, D
1,2-Dibromo-3-chloropropane	8260	--	--	ND	34	U, D	ND	46	U, D	ND	38	H1, U, D	ND	30	H1, U, D
1,2-Dibromoethane	8260	1,400	320	ND	35	U, D	ND	47	U, D	ND	39	H1, U, D	ND	31	H1, U, D
1,2-Dichloroethane	8260	31,000	7,000	ND	34	U, D	ND	46	U, D	ND	38	H1, U, D	ND	30	H1, U, D
1,2-Dichloropropane	8260	42,000	9,400	ND	61	U, D	ND	82	U, D	ND	68	H1, U, D	ND	55	H1, U, D
Acetone	8260	92,000,000	7,000,000	ND	180	U, D	ND	240	U, D	ND	200	H1, U, D	ND	160	H1, U, D
Benzene	8260	52,000	12,000	ND	41	U, D	ND	55	U, D	ND	46	H1, U, D	ND	37	H1, U, D
Bromodichloromethane	8260	46,000	10,000	ND	40	U, D	ND	54	U, D	ND	44	H1, U, D	ND	36	H1, U, D
Bromoform	8260	360,000	81,000	ND	40	U, D	ND	54	U, D	ND	44	H1, U, D	ND	36	H1, U, D
Bromomethane	8260	140,000	11,000	ND	150	U, D	ND	210	U, D	ND	170	H1, U, D	ND	140	H1, U, D
Carbon Disulfide	8260	10,000,000	780,000	ND	68	U, D	ND	91	U, D	ND	76	H1, U, D	ND	61	H1, U, D
Carbon Tetrachloride	8260	22,000	4,900	ND	95	U, D	ND	130	U, D	ND	100	H1, U, D	ND	84	H1, U, D
Chlorobenzene	8260	2,000,000	160,000	ND	46	U, D	ND	62	U, D	ND	51	H1, U, D	ND	41	H1, U, D
Chloroethane	8260	990,000	220,000	ND	110	U, D	ND	150	U, D	ND	120	H1, U, D	ND	98	H1, U, D
Chloroform	8260	1,000,000	78,000	ND	41	U, D	ND	55	U, D	ND	46	H1, U, D	ND	37	H1, U, D
Chloromethane	8260	--	--	ND	85	U, D	ND	110	U, D	ND	93	H1, U, D	ND	75	H1, U, D
cis-1,2-Dichloroethylene	8260	1,000,000	78,000	**4200**	56	D	ND	75	U, D	ND	62	H1, U, D	**83**	50	H1, J, D
cis-1,3-Dichloropropylene	8260	29,000	6,400	ND	44	U, D	ND	59	U, D	ND	49	H1, U, D	ND	39	H1, U, D
Dibromochloromethane	8260	34,000	7,600	ND	34	U, D	ND	46	U, D	ND	38	H1, U, D	ND	30	H1, U, D
Ethylbenzene	8260	10,000,000	780,000	ND	49	U, D	ND	66	U, D	ND	54	H1, U, D	ND	44	H1, U, D
Isopropylbenzene	8260	10,000,000	780,000	ND	63	U, D	ND	84	U, D	ND	70	H1, U, D	ND	56	H1, U, D
m,p-Xylene	8260	--	--	ND	93	U, D	ND	120	U, D	ND	100	H1, U, D	ND	82	H1, U, D
Methyl Ethyl Ketone	8260	61,000,000	4,700,000	ND	130	U, D	ND	170	U, D	ND	140	H1, U, D	ND	120	H1, U, D
Methyl Isobutyl Ketone	8260	--	--	ND	170	U, D	ND	220	U, D	ND	180	H1, U, D	ND	150	H1, U, D
Methylene Chloride	8260	380,000	85,000	ND	44	U, D	ND	59	U, D	ND	49	H1, U, D	ND	39	H1, U, D
Methyl-tert-Butyl-Ether	8260	720,000	160,000	ND	89	U, D	ND	120	U, D	ND	98	H1, U, D	ND	79	H1, U, D
o-Xylene	8260	--	--	ND	31	U, D	ND	42	U, D	ND	34	H1, U, D	ND	28	H1, U, D
Styrene	8260	20,000,000	1,600,000	ND	41	U, D	ND	55	U, D	ND	46	H1, U, D	ND	37	H1, U, D
Toluene	8260	8,200,000	630,000	ND	56	U, D	ND	75	U, D	ND	62	H1, U, D	ND	50	H1, U, D
Total Xylenes	8260	20,000,000	1,600,000	ND		U, D	ND		U, D	ND		H1, U, D	ND		H1, U, D
trans-1,2-Dichloroethylene	8260	2,000,000	160,000	**520**	68	D	ND	91	U, D	ND	76	H1, U, D	ND	61	H1, U, D
trans-1,3-Dichloropropylene	8260	29,000	6,400	ND	33	U, D	ND	44	U, D	ND	37	H1, U, D	ND	30	H1, U, D
Vinyl Chloride	8260	4,000 (adult)	90 (early life)	ND	86	U, D	ND	110	U, D	ND	94	H1, U, D	ND	76	H1, U, D

Table Notes:

D: Sample diluted

H1: Sample analyzed past maxiumum recommended holding time

J: Analyte concentration is greater than the MDL but less than the reporting limit.

Q1: Sample received with headspace.

R2: MS/MSD RPD was out of acceptance limits. Recoveries met acceptance limits.

S4: Surrogate recovery was below laboratory acceptance limits. Reported data is estimated.

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical C(Phase II Site Assessment

Table A (con't): Volatile Organic Compounds (VOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date												
				B-38 SB-38 (4-8') 02/04/09			B-39 SS-39 (0-1.5') 02/19/09									
				Result	MDL	Qualifier	Result	MDL	Qualifier							
1,1,1-Trichloroethane	8260	200,000,000	16,000,000	ND	79	H1, U, D	ND	37	U, D							
1,1,2,2-Tetrachloroethane	8260	14,000	3,200	ND	26	H1, U, D	ND	12	U, D							
1,1,2,2-Tetrachloroethylene (PCE)	8260	5,300	1,200	ND	68	H1, U, D	ND	32	U, D							
1,1,2-Trichloroethane	8260	50,000	11,000	ND	42	H1, U, D	ND	20	U, D							
1,1,2-Trichloroethylene (TCE)	8260	7,200	1,600	**4800**	60	H1, D	ND	28	U, D							
1,1-Dichloroethane	8260	20,000,000	1,600,000	ND	39	H1, U, D	ND	18	U, D							
1,1-Dichloroethylene	8260	5,100,000	390,000	ND	70	H1, U, D	ND	33	U, D							
1,2-Dibromo-3-chloropropane	8260	--	--	ND	33	H1, U, D	ND	16	U, D							
1,2-Dibromoethane	8260	1,400	320	ND	34	H1, U, D	ND	16	U, D							
1,2-Dichloroethane	8260	31,000	7,000	ND	33	H1, U, D	ND	16	U, D							
1,2-Dichloropropane	8260	42,000	9,400	ND	59	H1, U, D	ND	28	U, D							
Acetone	8260	92,000,000	7,000,000	ND	170	H1, U, D	ND	82	U, D							
Benzene	8260	52,000	12,000	ND	40	H1, U, D	ND	19	U, D							
Bromodichloromethane	8260	46,000	10,000	ND	39	H1, U, D	ND	18	U, D							
Bromoform	8260	360,000	81,000	ND	39	H1, U, D	ND	18	U, D							
Bromomethane	8260	140,000	11,000	ND	150	H1, U, D	ND	70	U, D							
Carbon Disulfide	8260	10,000,000	780,000	ND	66	H1, U, D	ND	31	U, D							
Carbon Tetrachloride	8260	22,000	4,900	ND	91	H1, U, D	ND	43	U, D							
Chlorobenzene	8260	2,000,000	160,000	ND	45	H1, U, D	ND	21	U, D							
Chloroethane	8260	990,000	220,000	ND	110	H1, U, D	ND	51	U, D							
Chloroform	8260	1,000,000	78,000	ND	40	H1, U, D	ND	19	U, D							
Chloromethane	8260	--	--	ND	82	H1, U, D	ND	39	U, D							
cis-1,2-Dichloroethylene	8260	1,000,000	78,000	**5000**	54	H1, D	ND	26	U, D							
cis-1,3-Dichloropropylene	8260	29,000	6,400	ND	43	H1, U, D	ND	20	U, D							
Dibromochloromethane	8260	34,000	7,600	ND	33	H1, U, D	ND	16	U, D							
Ethylbenzene	8260	10,000,000	780,000	ND	48	H1, U, D	ND	23	U, D							
Isopropylbenzene	8260	10,000,000	780,000	ND	61	H1, U, D	ND	29	U, D							
m,p-Xylene	8260	--	--	ND	89	H1, U, D	ND	42	U, D							
Methyl Ethyl Ketone	8260	61,000,000	4,700,000	ND	130	H1, U, D	ND	59	U, D							
Methyl Isobutyl Ketone	8260	--	--	ND	160	H1, U, D	ND	76	U, D							
Methylene Chloride	8260	380,000	85,000	ND	43	H1, U, D	**29**	20	J, D							
Methyl-tert-Butyl-Ether	8260	720,000	160,000	ND	86	H1, U, D	ND	40	U, D							
o-Xylene	8260	--	--	ND	30	H1, U, D	ND	14	U, D							
Styrene	8260	20,000,000	1,600,000	ND	40	H1, U, D	ND	19	U, D							
Toluene	8260	8,200,000	630,000	ND	54	H1, U, D	ND	26	U, D							
Total Xylenes	8260	20,000,000	1,600,000	ND		H1, U, D	ND	57	U, D							
trans-1,2-Dichloroethylene	8260	2,000,000	160,000	ND	66	H1, U, D	ND	31	U, D							
trans-1,3-Dichloropropylene	8260	29,000	6,400	ND	32	H1, U, D	ND	15	U, D							
Vinyl Chloride	8260	4,000 (adult)	90 (early life)	ND	83	H1, U, D	ND	39	U, D							

Table Notes:

D: Sample diluted

H1: Sample analyzed past maxiumum recommended holding time

J: Analyte concentration is greater than the MDL but less than the reporting limit.

Q1: Sample received with headspace.

R2: MS/MSD RPD was out of acceptance limits. Recoveries met acceptance limits.

S4: Surrogate recovery was below laboratory acceptance limits. Reported data is estimated.

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Table A (con't): Volatile Organic Compounds (VOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date										
				B-37 SS-DUP02 (0-4') 02/04/09			B-35 SS-DUP03 (2-4') 02/05/09			B-34 SB-DUP04 (12-16') 02/12/09				
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier		
1,1,1-Trichloroethane	8260	200,000,000	16,000,000	ND	77	H1, U, D	**300**	85	J, D	ND	78	U, D		
1,1,2,2-Tetrachloroethane	8260	14,000	3,200	ND	26	H1, U, D	ND	28	U, D	ND	26	U, D		
1,1,2,2-Tetrachloroethylene (PCE)	8260	5,300	1,200	ND	66	H1, U, D	**3400**	74	D	ND	68	U, D		
1,1,2-Trichloroethane	8260	50,000	11,000	ND	41	H1, U, D	ND	45	U, D	ND	41	U, D		
1,1,2-Trichloroethylene (TCE)	8260	7,200	1,600	ND	59	H1, U, D	**3200**	65	D	ND	60	U, D		
1,1-Dichloroethane	8260	20,000,000	1,600,000	ND	38	H1, U, D	2700	42	D	ND	39	U, D		
1,1-Dichloroethylene	8260	5,100,000	390,000	ND	68	H1, U, D	ND	76	U, D	ND	69	U, D		
1,2-Dibromo-3-chloropropane	8260	--	--	ND	32	H1, U, D	ND	36	U, D	ND	33	U, D		
1,2-Dibromoethane	8260	1,400	320	ND	33	H1, U, D	ND	37	U, D	ND	34	U, D		
1,2-Dichloroethane	8260	31,000	7,000	ND	32	H1, U, D	ND	36	U, D	ND	33	U, D		
1,2-Dichloropropane	8260	42,000	9,400	ND	58	H1, U, D	ND	64	U, D	ND	59	U, D		
Acetone	8260	92,000,000	7,000,000	ND	170	H1, U, D	ND	190	U, D	ND	170	U, D		
Benzene	8260	52,000	12,000	ND	39	H1, U, D	ND	43	U, D	ND	40	U, D		
Bromodichloromethane	8260	46,000	10,000	ND	38	H1, U, D	ND	42	U, D	ND	39	U, D		
Bromoform	8260	360,000	81,000	ND	38	H1, U, D	ND	42	U, D	ND	39	U, D		
Bromomethane	8260	140,000	11,000	ND	150	H1, U, D	ND	160	U, D	ND	150	U, D		
Carbon Disulfide	8260	10,000,000	780,000	ND	64	H1, U, D	ND	71	U, D	ND	66	U, D		
Carbon Tetrachloride	8260	22,000	4,900	ND	89	H1, U, D	**380**	99	J, D	ND	91	U, D		
Chlorobenzene	8260	2,000,000	160,000	ND	44	H1, U, D	ND	48	U, D	ND	44	U, D		
Chloroethane	8260	990,000	220,000	ND	100	H1, U, D	ND	120	U, D	ND	110	U, D		
Chloroform	8260	1,000,000	78,000	ND	39	H1, U, D	**980**	43	D	ND	40	U, D		
Chloromethane	8260	--	--	ND	80	H1, U, D	ND	88	U, D	ND	81	U, D		
cis-1,2-Dichloroethylene	8260	1,000,000	78,000	ND	53	H1, U, D	**410**	59	J, D	ND	54	U, D		
cis-1,3-Dichloropropylene	8260	29,000	6,400	ND	42	H1, U, D	ND	46	U, D	ND	42	U, D		
Dibromochloromethane	8260	34,000	7,600	ND	32	H1, U, D	ND	36	U, D	ND	33	U, D		
Ethylbenzene	8260	10,000,000	780,000	ND	46	H1, U, D	ND	52	U, D	ND	47	U, D		
Isopropylbenzene	8260	10,000,000	780,000	ND	60	H1, U, D	ND	66	U, D	**690**	61	D		
m,p-Xylene	8260	--	--	ND	87	H1, U, D	ND	97	U, D	ND	89	U, D		
Methyl Ethyl Ketone	8260	61,000,000	4,700,000	ND	120	H1, U, D	ND	140	U, D	ND	120	U, D		
Methyl Isobutyl Ketone	8260	--	--	ND	160	H1, U, D	ND	170	U, D	ND	160	U, D		
Methylene Chloride	8260	380,000	85,000	ND	42	H1, U, D	ND	46	U, D	ND	42	U, D		
Methyl-tert-Butyl-Ether	8260	720,000	160,000	ND	83	H1, U, D	ND	92	U, D	ND	85	U, D		
o-Xylene	8260	--	--	ND	29	H1, U, D	**45**	33	J, D	ND	30	U, D		
Styrene	8260	20,000,000	1,600,000	ND	39	H1, U, D	ND	43	U, D	ND	40	U, D		
Toluene	8260	8,200,000	630,000	ND	53	H1, U, D	**120**	59	J, D	ND	54	U, D		
Total Xylenes	8260	20,000,000	1,600,000	ND		H1, U, D	**130**		J, D	ND		U, D		
trans-1,2-Dichloroethylene	8260	2,000,000	160,000	ND	64	H1, U, D	ND	71	U, D	ND	66	U, D		
trans-1,3-Dichloropropylene	8260	29,000	6,400	ND	31	H1, U, D	ND	35	U, D	ND	32	U, D		
Vinyl Chloride	8260	4,000 (adult)	90 (early life)	ND	81	H1, U, D	ND	89	U, D	ND	82	U, D		

Table Notes:

D: Sample diluted

H1: Sample analyzed past maxiumum recommended holding time

J: Analyte concentration is greater than the MDL but less than the reporting limit.

Q1: Sample received with headspace.

R2: MS/MSD RPD was out of acceptance limits. Recoveries met acceptance limits.

S4: Surrogate recovery was below laboratory acceptance limits. Reported data is estimated.

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Table A-2: Volatile Organic Compounds (VOCs) - Comparison of Soil Samples Analyzed Within and Beyond Holding Time

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential)	MDE Cleanup Standard for Soils (Residential)	Boring Number / Sample Number / Depth / Date Collected / Date Analyzed											
				B-27 SS-27 (0-4') 02/04/09 02/11/09			B-27 SS-27 (0-4') 02/04/09 02/27/09			B-27 SB-27 (4-8') 02/04/09 02/11/09			B-27 SB-27 (4-8') 02/04/09 02/27/09		
		(µg/kg)	(µg/kg)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,1,1-Trichloroethane	8260	200,000,000	16,000,000	**470**	94	J, D	330	47	H1, D	ND	88	U, D	ND	44	H1, U, D
1,1,2,2-Tetrachloroethane	8260	14,000	3,200	ND	31	U, D	ND	16	H1, U, D	ND	29	U, D	ND	15	H1, U, D
1,1,2,2-Tetrachloroethylene (PCE)	8260	5,300	1,200	**5700**	81	D	**3500**	41	H1, D	**600**	76	D	**300**	38	H1, D
1,1,2-Trichloroethane	8260	50,000	11,000	ND	50	U, D	ND	25	H1, U, D	ND	47	U, D	ND	23	H1, U, D
1,1,2-Trichloroethylene (TCE)	8260	7,200	1,600	**3900**	72	D	**2400**	36	H1, D	**390**	67	J, D	**200**	34	H1, J, D
1,1-Dichloroethane	8260	20,000,000	1,600,000	**2500**	46	D	1600	23	H1, D	**170**	43	J, D	**68**	22	H1, J, D
1,1-Dichloroethylene	8260	5,100,000	390,000	ND	83	U, D	ND	42	H1, U, D	ND	78	U, D	ND	39	H1, U, D
1,2-Dibromo-3-chloropropane	8260	--	--	ND	39	U, D	57	20	H1, J, D	ND	37	U, D	ND	18	H1, U, D
1,2-Dibromoethane	8260	1,400	320	ND	41	U, D	ND	20	H1, U, D	ND	38	U, D	ND	19	H1, U, D
1,2-Dichloroethane	8260	31,000	7,000	ND	39	U, D	ND	20	H1, U, D	ND	37	U, D	ND	18	H1, U, D
1,2-Dichloropropane	8260	42,000	9,400	ND	71	U, D	ND	35	H1, U, D	ND	66	U, D	ND	33	H1, U, D
Acetone	8260	92,000,000	7,000,000	ND	210	U, D	ND	100	H1, U, D	ND	190	U, D	ND	96	H1, U, D
Benzene	8260	52,000	12,000	**49**	48	J, D	**48**	24	H1, J, D	ND	44	U, D	ND	22	H1, U, D
Bromodichloromethane	8260	46,000	10,000	ND	46	U, D	ND	23	H1, U, D	ND	43	U, D	ND	22	H1, U, D
Bromoform	8260	360,000	81,000	ND	46	U, D	ND	23	H1, U, D	ND	43	U, D	ND	22	H1, U, D
Bromomethane	8260	140,000	11,000	ND	180	U, D	ND	89	H1, U, D	ND	170	U, D	ND	83	H1, U, D
Carbon Disulfide	8260	10,000,000	780,000	ND	79	U, D	ND	39	H1, U, D	ND	74	U, D	ND	37	H1, U, D
Carbon Tetrachloride	8260	22,000	4,900	ND	110	U, D	ND	54	H1, U, D	ND	100	U, D	ND	51	H1, U, D
Chlorobenzene	8260	2,000,000	160,000	ND	53	U, D	ND	27	H1, U, D	ND	50	U, D	ND	25	H1, U, D
Chloroethane	8260	990,000	220,000	ND	130	U, D	ND	64	H1, U, D	ND	120	U, D	ND	60	H1, U, D
Chloroform	8260	1,000,000	78,000	**670**	48	D	**460**	24	H1, D	**89**	44	J, D	**43**	22	H1, J, D
Chloromethane	8260	--	--	ND	97	U, D	ND	49	H1, U, D	ND	91	U, D	ND	46	H1, U, D
cis-1,2-Dichloroethylene	8260	1,000,000	78,000	**4700**	65	D	**2900**	32	H1, D	**450**	61	J, D	**190**	30	H1, J, D
cis-1,3-Dichloropropylene	8260	29,000	6,400	ND	51	U, D	ND	25	H1, U, D	ND	48	U, D	ND	24	H1, U, D
Dibromochloromethane	8260	34,000	7,600	ND	39	U, D	ND	20	H1, U, D	ND	37	U, D	ND	18	H1, U, D
Ethylbenzene	8260	10,000,000	780,000	ND	57	U, D	ND	28	H1, U, D	ND	53	U, D	ND	27	H1, U, D
Isopropylbenzene	8260	10,000,000	780,000	ND	73	U, D	ND	37	H1, U, D	ND	68	U, D	ND	34	H1, U, D
m,p-Xylene	8260	--	--	**110**	110	J, D	**82**	53	H1, J, D	ND	100	U, D	ND	50	H1, U, D
Methyl Ethyl Ketone	8260	61,000,000	4,700,000	ND	150	U, D	ND	75	H1, U, D	ND	140	U, D	ND	70	H1, U, D
Methyl Isobutyl Ketone	8260	--	--	**1600**	190	J, D	**1400**	96	H1, D	ND	180	U, D	ND	90	H1, U, D
Methylene Chloride	8260	380,000	85,000	ND	51	U, D	ND	25	H1, U, D	ND	48	U, D	ND	24	H1, U, D
Methyl-tert-Butyl-Ether	8260	720,000	160,000	ND	100	U, D	ND	51	H1, U, D	ND	95	U, D	ND	48	H1, U, D
o-Xylene	8260	--	--	**60**	36	J, D	**43**	18	H1, J, D	ND	34	U, D	ND	17	H1, U, D
Styrene	8260	20,000,000	1,600,000	ND	48	U, D	ND	24	H1, U, D	ND	44	U, D	ND	22	H1, U, D
Toluene	8260	8,200,000	630,000	**1100**	65	D	**950**	32	H1, D	**190**	61	J, D	**110**	30	H1, J, D
Total Xylenes	8260	20,000,000	1,600,000	**170**		J, D	**130**	71	H1, J, D	ND		U, D	ND	67	H1, U, D
trans-1,2-Dichloroethylene	8260	2,000,000	160,000	**800**	79	D	**520**	39	H1, D	**83**	74	J, D	ND	37	H1, U, D
trans-1,3-Dichloropropylene	8260	29,000	6,400	ND	38	U, D	ND	19	H1, U, D	ND	36	U, D	ND	18	H1, U, D
Vinyl Chloride	8260	4,000 (adult)	90 (early life)	ND	99	U, D	ND	49	H1, U, D	ND	92	U, D	ND	46	H1, U, D

Table Notes:

D: Sample diluted

H1: Sample analyzed past maxiumum recommended holding time

J: Analyte concentration is greater than the MDL but less than the reporting limit.

S4: Surrogate recovery was below laboratory acceptance limits. Reported data is estimated.

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Table A-2 (con't): Volatile Organic Compounds (VOCs) - Comparison of Soil Samples Analyzed Within and Beyond Holding Time

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential)	MDE Cleanup Standard for Soils (Residential)	Boring Number / Sample Number / Depth / Date Collected / Date Analyzed											
				B-28 SB-28 (4-8') 02/04/09 02/12/09			B-28 SB-28 (4-8') 02/04/09 02/27/09			B-28 SB-28-2 (14-16') 02/04/09 02/12/09			B-28 SB-28-2 (14-16') 02/04/09 02/27/09		
		(µg/kg)	(µg/kg)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,1,1-Trichloroethane	8260	200,000,000	16,000,000	**490**	90	J, D	**240**	43	H1, J, D	ND	91	U, D	ND	45	H1, U, D
1,1,2,2-Tetrachloroethane	8260	29,000	3,200	ND	30	U, D	ND	14	H1, U, D	ND	30	U, D	ND	15	H1, U, D
1,1,2,2-Tetrachloroethylene (PCE)	8260	5,300	1,200	**14000**	77	D	**6800**	37	H1, D	**1300**	78	D	**660**	39	H1, D
1,1,2-Trichloroethane	8260	50,000	11,000	ND	48	U, D	ND	23	H1, U, D	ND	48	U, D	ND	24	H1, U, D
1,1,2-Trichloroethylene (TCE)	8260	7,200	1,600	**10000**	69	D	**4800**	33	H1, D	**400**	70	J, D	**190**	35	H1, J, D
1,1-Dichloroethane	8260	20,000,000	1,600,000	ND	44	U, D	ND	21	H1, U, D	ND	45	U, D	ND	22	H1, U, D
1,1-Dichloroethylene	8260	5,100,000	390,000	ND	80	U, D	ND	38	H1, U, D	ND	81	U, D	ND	40	H1, U, D
1,2-Dibromo-3-chloropropane	8260	--	--	ND	38	U, D	ND	18	H1, U, D	ND	38	U, D	ND	19	H1, U, D
1,2-Dibromoethane	8260	1,400	320	ND	39	U, D	ND	19	H1, U, D	ND	39	U, D	ND	20	H1, U, D
1,2-Dichloroethane	8260	31,000	7,000	ND	38	U, D	ND	18	H1, U, D	ND	38	U, D	ND	19	H1, U, D
1,2-Dichloropropane	8260	42,000	9,400	ND	67	U, D	ND	32	H1, U, D	ND	68	U, D	ND	34	H1, U, D
Acetone	8260	92,000,000	7,000,000	ND	200	U, D	ND	94	H1, U, D	ND	200	U, D	ND	100	H1, U, D
Benzene	8260	52,000	12,000	ND	45	U, D	ND	22	H1, U, D	ND	46	U, D	ND	23	H1, U, D
Bromodichloromethane	8260	46,000	10,000	ND	44	U, D	ND	21	H1, U, D	ND	45	U, D	ND	22	H1, U, D
Bromoform	8260	360,000	81,000	ND	44	U, D	ND	21	H1, U, D	ND	45	U, D	ND	22	H1, U, D
Bromomethane	8260	140,000	11,000	ND	170	U, D	ND	81	H1, U, D	ND	170	U, D	ND	86	H1, U, D
Carbon Disulfide	8260	10,000,000	780,000	ND	75	U, D	ND	36	H1, U, D	ND	76	U, D	ND	38	H1, U, D
Carbon Tetrachloride	8260	22,000	4,900	ND	100	U, D	ND	50	H1, U, D	ND	110	U, D	ND	53	H1, U, D
Chlorobenzene	8260	2,000,000	160,000	ND	51	U, D	ND	24	H1, U, D	ND	52	U, D	ND	26	H1, U, D
Chloroethane	8260	990,000	220,000	ND	120	U, D	ND	58	H1, U, D	ND	120	U, D	ND	62	H1, U, D
Chloroform	8260	1,000,000	78,000	**130**	45	J, D	**71**	22	H1, J, D	ND	46	U, D	ND	23	H1, U, D
Chloromethane	8260	--	--	ND	93	U, D	ND	44	H1, U, D	ND	94	U, D	ND	47	H1, U, D
cis-1,2-Dichloroethylene	8260	1,000,000	78,000	ND	62	U, D	ND	30	H1, U, D	ND	63	U, D	ND	31	H1, U, D
cis-1,3-Dichloropropylene	8260	29,000	6,400	ND	49	U, D	ND	23	H1, U, D	ND	49	U, D	ND	25	H1, U, D
Dibromochloromethane	8260	34,000	7,600	ND	38	U, D	ND	18	H1, U, D	ND	38	U, D	ND	19	H1, U, D
Ethylbenzene	8260	10,000,000	780,000	ND	54	U, D	ND	26	H1, U, D	ND	55	U, D	ND	27	H1, U, D
Isopropylbenzene	8260	10,000,000	780,000	ND	70	U, D	ND	33	H1, U, D	ND	71	U, D	ND	35	H1, U, D
m,p-Xylene	8260	--	--	ND	100	U, D	ND	49	H1, U, D	ND	100	U, D	ND	52	H1, U, D
Methyl Ethyl Ketone	8260	61,000,000	4,700,000	ND	140	U, D	ND	68	H1, U, D	ND	140	U, D	ND	72	H1, U, D
Methyl Isobutyl Ketone	8260	--	--	ND	180	U, D	ND	88	H1, U, D	ND	190	U, D	ND	93	H1, U, D
Methylene Chloride	8260	380,000	85,000	ND	49	U, D	**49**	23	H1, J, D	ND	49	U, D	ND	25	H1, U, D
Methyl-tert-Butyl-Ether	8260	720,000	160,000	ND	97	U, D	ND	47	H1, U, D	ND	99	U, D	ND	49	H1, U, D
o-Xylene	8260	--	--	ND	34	U, D	ND	16	H1, U, D	ND	35	U, D	ND	17	H1, U, D
Styrene	8260	20,000,000	1,600,000	ND	45	U, D	ND	22	H1, U, D	ND	46	U, D	ND	23	H1, U, D
Toluene	8260	8,200,000	630,000	ND	62	U, D	ND	30	H1, U, D	ND	63	U, D	ND	31	H1, U, D
Total Xylenes	8260	20,000,000	1,600,000	ND		U, D	ND	65	H1, U, D	ND		U, D	ND	69	H1, U, D
trans-1,2-Dichloroethylene	8260	2,000,000	160,000	ND	75	U, D	ND	36	H1, U, D	ND	76	U, D	ND	38	H1, U, D
trans-1,3-Dichloropropylene	8260	29,000	6,400	ND	37	U, D	ND	17	H1, U, D	ND	37	U, D	ND	18	H1, U, D
Vinyl Chloride	8260	4,000 (adult)	90 (early life)	ND	94	U, D	ND	45	H1, U, D	ND	95	U, D	ND	48	H1, U, D

Table Notes:

D: Sample diluted

H1: Sample analyzed past maxiumum recommended holding time

J: Analyte concentration is greater than the MDL but less than the reporting limit.

S4: Surrogate recovery was below laboratory acceptance limits. Reported data is estimated.

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Table A-2 (con't): Volatile Organic Compounds (VOCs) - Comparison of Soil Samples Analyzed Within and Beyond Holding Time

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential)	MDE Cleanup Standard for Soils (Residential)	Boring Number / Sample Number / Depth / Date Collected / Date Analyzed											
				B-29 SS-29 (2-4') 02/04/09 02/12/09			B-29 SS-29 (2-4') 02/04/09 02/27/09			B-35 SS-35 (2-4') 02/05/09 02/18/09			B-35 SS-35 (2-4') 02/05/09 02/27/09		
		(µg/kg)	(µg/kg)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,1,1-Trichloroethane	8260	200,000,000	16,000,000	ND	72	U, D	ND	36	H1, U, D	**130**	80	J, D	**88**	40	H1, J, D
1,1,2,2-Tetrachloroethane	8260	29,000	3,200	ND	24	U, D	ND	12	H1, U, D	ND	27	U, D	ND	13	H1, U, D
1,1,2,2-Tetrachloroethylene (PCE)	8260	5,300	1,200	**70**	62	J, D	**37**	31	H1, J, D	**2000**	69	D	**1000**	35	H1, D
1,1,2-Trichloroethane	8260	50,000	11,000	ND	38	U, D	ND	19	H1, U, D	ND	42	U, D	ND	21	H1, U, D
1,1,2-Trichloroethylene (TCE)	8260	7,200	1,600	**39000**		S4, D	**23000**		H1, D	**1600**	61	D	**1300**	31	H1, D
1,1-Dichloroethane	8260	20,000,000	1,600,000	ND	35	U, D	ND	18	H1, U, D	**1400**	40	D	**930**	20	H1, D
1,1-Dichloroethylene	8260	5,100,000	390,000	**110**	64	J, D	**69**	32	H1, J, D	ND	71	U, D	ND	36	H1, U, D
1,2-Dibromo-3-chloropropane	8260	--	--	ND	30	U, D	ND	15	H1, U, D	ND	34	U, D	ND	17	H1, U, D
1,2-Dibromoethane	8260	1,400	320	ND	31	U, D	ND	16	H1, U, D	ND	35	U, D	ND	17	H1, U, D
1,2-Dichloroethane	8260	31,000	7,000	ND	30	U, D	ND	15	H1, U, D	ND	34	U, D	ND	17	H1, U, D
1,2-Dichloropropane	8260	42,000	9,400	ND	54	U, D	ND	27	H1, U, D	ND	60	U, D	ND	30	H1, U, D
Acetone	8260	92,000,000	7,000,000	ND	160	U, D	ND	79	H1, U, D	ND	180	U, D	ND	88	H1, U, D
Benzene	8260	52,000	12,000	ND	36	U, D	ND	18	H1, U, D	ND	41	U, D	ND	20	H1, U, D
Bromodichloromethane	8260	46,000	10,000	ND	35	U, D	ND	18	H1, U, D	ND	40	U, D	ND	20	H1, U, D
Bromoform	8260	360,000	81,000	ND	35	U, D	ND	18	H1, U, D	ND	40	U, D	ND	20	H1, U, D
Bromomethane	8260	140,000	11,000	ND	140	U, D	ND	68	H1, U, D	ND	150	U, D	ND	76	H1, U, D
Carbon Disulfide	8260	10,000,000	780,000	ND	60	U, D	ND	30	H1, U, D	ND	67	U, D	ND	34	H1, U, D
Carbon Tetrachloride	8260	22,000	4,900	ND	83	U, D	ND	42	H1, U, D	**250**	93	J, D	ND	46	H1, U, D
Chlorobenzene	8260	2,000,000	160,000	ND	41	U, D	ND	20	H1, U, D	ND	45	U, D	ND	23	H1, U, D
Chloroethane	8260	990,000	220,000	ND	98	U, D	ND	49	H1, U, D	ND	110	U, D	ND	54	H1, U, D
Chloroform	8260	1,000,000	78,000	ND	36	U, D	ND	18	H1, U, D	**510**	41	D	**330**	20	H1, D
Chloromethane	8260	--	--	ND	74	U, D	ND	37	H1, U, D	ND	83	U, D	ND	42	H1, U, D
cis-1,2-Dichloroethylene	8260	1,000,000	78,000	**7900**	50	D	**4500**	25	H1, D	**230**	55	J, D	**200**	28	H1, J, D
cis-1,3-Dichloropropylene	8260	29,000	6,400	ND	39	U, D	ND	20	H1, U, D	ND	43	U, D	ND	22	H1, U, D
Dibromochloromethane	8260	34,000	7,600	ND	30	U, D	ND	15	H1, U, D	ND	34	U, D	ND	17	H1, U, D
Ethylbenzene	8260	10,000,000	780,000	ND	43	U, D	ND	22	H1, U, D	ND	48	U, D	ND	24	H1, U, D
Isopropylbenzene	8260	10,000,000	780,000	ND	56	U, D	ND	28	H1, U, D	ND	62	U, D	ND	31	H1, U, D
m,p-Xylene	8260	--	--	ND	82	U, D	ND	41	H1, U, D	ND	91	U, D	ND	45	H1, U, D
Methyl Ethyl Ketone	8260	61,000,000	4,700,000	ND	110	U, D	ND	57	H1, U, D	ND	130	U, D	ND	64	H1, U, D
Methyl Isobutyl Ketone	8260	--	--	ND	150	U, D	ND	74	H1, U, D	ND	160	U, D	ND	82	H1, U, D
Methylene Chloride	8260	380,000	85,000	ND	39	U, D	ND	20	H1, U, D	ND	43	U, D	**31**	22	H1, J, D
Methyl-tert-Butyl-Ether	8260	720,000	160,000	ND	78	U, D	ND	39	H1, U, D	ND	87	U, D	ND	43	H1, U, D
o-Xylene	8260	--	--	ND	27	U, D	ND	14	H1, U, D	ND	31	U, D	ND	15	H1, U, D
Styrene	8260	20,000,000	1,600,000	ND	36	U, D	ND	18	H1, U, D	ND	41	U, D	ND	20	H1, U, D
Toluene	8260	8,200,000	630,000	ND	50	U, D	ND	25	H1, U, D	ND	55	U, D	ND	28	H1, U, D
Total Xylenes	8260	20,000,000	1,600,000	ND		U, D	ND	55	H1, U, D	ND		U, D	ND	61	H1, U, D
trans-1,2-Dichloroethylene	8260	2,000,000	160,000	**210**	60	J, D	**130**	30	H1, J, D	ND	67	U, D	ND	34	H1, U, D
trans-1,3-Dichloropropylene	8260	29,000	6,400	ND	29	U, D	ND	15	H1, U, D	ND	33	U, D	ND	16	H1, U, D
Vinyl Chloride	8260	4,000 (adult)	90 (early life)	ND	75	U, D	ND	38	H1, U, D	ND	84	U, D	ND	42	H1, U, D

Table Notes:

D: Sample diluted

H1: Sample analyzed past maxiumum recommended holding time

J: Analyte concentration is greater than the MDL but less than the reporting limit.

S4: Surrogate recovery was below laboratory acceptance limits. Reported data is estimated.

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

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Table A-3: Volatile Organic Compounds (VOCs) - Estimted Analytical Results for Samples Analyzed Past Recomended Holding Time (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date									
				B-29 SB-29 (6-8') 02/04/09		B-36 SS-36 (0-4') 02/05/09		B-37 SB-37 (4-8') 02/04/09		B-38 SS-38 (0-4') 02/04/09		B-38 SB-38 (4-8') 02/04/09	
				Result	Estimated Result	Result	Estimated Result	Result	Estimated Result	Result	Estimated Result	Result	Estimated Result
1,1,1-Trichloroethane	8260	200,000,000	16,000,000	ND	ND	ND	ND	ND	ND	**260**	**520**	ND	ND
1,1,2,2-Tetrachloroethane	8260	14,000	3,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethylene (PCE)	8260	5,300	1,200	ND	ND	ND	ND	**87**	**174**	**120**	**240**	ND	ND
1,1,2-Trichloroethane	8260	50,000	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethylene (TCE)	8260	7,200	1,600	**150**	**300**	ND	ND	ND	ND	**17000**	**34,000**	**4800**	**9,600**
1,1-Dichloroethane	8260	20,000,000	1,600,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	8260	5,100,000	390,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	8260	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	8260	1,400	320	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	8260	31,000	7,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	8260	42,000	9,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	8260	92,000,000	7,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	8260	52,000	12,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	8260	46,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	8260	360,000	81,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	8260	140,000	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	8260	10,000,000	780,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	8260	22,000	4,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8260	2,000,000	160,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	8260	990,000	220,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	8260	1,000,000	78,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	8260	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	8260	1,000,000	78,000	ND	ND	ND	ND	ND	ND	**83**	**166**	**5000**	**10,000**
cis-1,3-Dichloropropylene	8260	29,000	6,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	8260	34,000	7,600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	8260	10,000,000	780,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	8260	10,000,000	780,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	8260	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	8260	61,000,000	4,700,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone	8260	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	8260	380,000	85,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-Butyl-Ether	8260	720,000	160,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	8260	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	8260	20,000,000	1,600,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	8260	8,200,000	630,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	8260	20,000,000	1,600,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	8260	2,000,000	160,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	8260	29,000	6,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	8260	4,000 (adult)	90 (early life)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table Notes:

Estimtated Results: Estmited results were calculated by doubleing the initial out-of-holding-time result. Estimate is based on the approximate 45% decline in sample concentrations on the re-analyzed VOC samples (see Table A-2).

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

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Table B: Semi-Volatile Organic Cor nds (SVOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-27 SS-27 (0-4') 02/04/09			B-27 SB-27 (4-8') 02/04/09			B-28 SS-28 (2-4') 02/04/09			B-28 SB-28 (4-8') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,2,4-Trichlorobenzene	8270C	1,000,000	78,000	ND	76	U	ND	80	U	ND	69	U	ND	360	U, D
1,2-Dichlorobenzene	8270C	9,200,000	700,000	ND	93	U	ND	97	U	ND	85	U	ND	440	U, D
1,3-Dichlorobenzene	8270C	310,000	23,000	ND	100	U	ND	110	U	ND	93	U	ND	490	U, D
1,4-Dichlorobenzene	8270C	120,000	27,000	ND	90	U	ND	95	U	ND	82	U	ND	430	U, D
2,4,5-Trichlorophenol	8270C	10,000,000	780,000	ND	110	U	ND	110	U	ND	99	U	ND	520	U, D
2,4,6-Trichlorophenol	8270C	260,000	58,000	ND	220	U	ND	230	U	ND	200	U	ND	1100	U, D
2,4-Dichlorophenol	8270C	310,000	23,000	ND	130	U	ND	140	U	ND	120	U	ND	640	U, D
2,4-Dimethylphenol	8270C	2,000,000	160,000	ND	140	U	ND	150	U	ND	130	U	ND	690	U, D
2,4-Dinitrophenol	8270C	200,000	16,000	ND	160	U	ND	160	U	ND	140	U	ND	750	U, D
2,4-Dinitrotoluene	8270C	200,000	16,000	ND	83	U	ND	88	U	ND	76	U	ND	400	U, D
2,6-Dinitrotoluene	8270C	100,000	7,800	ND	87	U	ND	91	U	ND	79	U	ND	410	U, D
2-Chloronaphthalene	8270C	8,200,000	630,000	ND	94	U	ND	98	U	ND	86	U	ND	450	U, D
2-Chlorophenol	8270C	510,000	39,000	ND	160	U	ND	170	U	ND	140	U	ND	750	U, D
2-Methylnaphthalene	8270C	410,000	31,000	ND	87	U	ND	92	U	ND	80	U	ND	420	U, D
2-Methylphenol	8270C	5,100,000	390,000	ND	77	U	ND	81	U	ND	70	U	ND	370	U, D
3,3´-Dichlorobenzidine	8270C	6,400	1,400	ND	180	U	ND	180	U	ND	160	U	ND	840	U, D
4-Chloroaniline	8270C	410,000	31,000	ND	140	U	ND	150	U	ND	130	U	ND	680	U, D
4-Methylphenol, 3-Methylphenol	8270C	510,000	39,000	ND	190	U	ND	200	U	ND	170	U	ND	900	U, D
Acenaphthene	8270C	6,100,000	470,000	ND	99	U	ND	100	U	ND	91	U	**2900**	470	D
Acenaphthylene	8270C	6,100,000	470,000	ND	99	U	ND	100	U	ND	91	U	ND	470	U, D
Anthracene	8270C	31,000,000	2,300,000	ND	110	U	ND	120	U	ND	100	U	**9200**	530	D
Benz(a)anthracene	8270C	3,900	220	**560**	110		ND	110	U	ND	98	U	**13000**	510	D
Benzo[a]pyrene	8270C	390	22	ND	130	U	ND	130	U	ND	110	U	**11000**	1200	D
Benzo[b]fluoranthene	8270C	3,900	220	**530**	110		ND	110	U	ND	97	U	**9200**	1000	D
Benzo[g,h,i]perylene	8270C	3,100,000	230,000	ND	120	U	ND	120	U	ND	110	U	**4600**	1100	D
Benzo[k]fluoranthene	8270C	39,000	2,200	**430**	120		ND	120	U	ND	110	U	**11000**	1100	D
Bis(2-Chloroethyl)ether	8270C	2,600	580	ND	100	U	ND	110	U	ND	96	U	ND	500	U, D
Bis(2-chloroisopropyl)ether	8270C	--	--	ND	250	U	ND	260	U	ND	230	U	ND	1200	U, D
Bis(2-Ethylhexyl)phthalate	8270C	200,000	46,000	ND	140	U	ND	150	U	ND	130	U	ND	670	U, D
Carbazole	8270C	140,000	32,000	ND	110	U	ND	120	U	ND	100	U	**2500**	530	D
Chrysene	8270C	390,000	22,000	**530**	110		ND	120	U	ND	100	U	**12000**	540	D
Dibenz[a,h]anthracene	8270C	390	22	ND	87	U	ND	92	U	ND	80	U	**2700**	420	E6, D
Dibenzofuran	8270C	100,000	7,800	ND	86	U	ND	90	U	ND	79	U	**2700**	410	D
Diethylphthalate	8270C	82,000,000	6,300,000	ND	99	U	ND	100	U	ND	90	U	ND	470	U, D
Di-n-butylphthalate	8270C	10,000,000	780,000	ND	140	U	ND	150	U	ND	130	U	ND	690	U, D
Fluoranthene	8270C	4,100,000	310,000	**630**	91		ND	95	U	ND	83	U	**31000**	430	D
Fluorene	8270C	4,100,000	310,000	ND	110	U	ND	110	U	ND	99	U	**3600**	520	D
Hexachlorobenzene	8270C	1,800	400	ND	130	U	ND	130	U	ND	120	U	ND	610	U, D
Hexachlorobutadiene	8270C	37,000	8,200	ND	83	U	ND	87	U	ND	75	U	ND	390	U, D
Hexachlorocyclopentadiene	8270C	610,000	47,000	ND	92	U	ND	97	U	ND	84	U	ND	440	U, D
Hexachloroethane	8270C	200,000	46,000	ND	130	U	ND	130	U	ND	120	U	ND	600	U, D
Indeno[1,2,3-cd]pyrene	8270C	3,900	220	ND	97	U	ND	100	U	ND	89	U	**4600**	930	D
Isophorone	8270C	3,000,000	670,000	ND	110	U	ND	120	U	ND	100	U	ND	540	U, D
Naphthalene	8270C	2,000,000	160,000	ND	130	U	ND	130	U	ND	120	U	ND	610	U, D
Nitrobenzene	8270C	51,000	3,900	ND	99	U	ND	100	U	ND	91	U	ND	470	U, D
N-Nitroso-di-n-propylamine	8270C	410	91	ND	140	U	ND	150	U	ND	130	U	ND	660	U, D
N-Nitrosodiphenylamine	8270C	580,000	130,000	ND	130	U	ND	140	U	ND	120	U	ND	630	U, D
Pentachlorophenol	8270C	24,000	5,300	ND	340	U	ND	360	U	ND	310	U	ND	1600	U, D
Phenanthrene	8270C	31,000,000	2,300,000	ND	91	U	ND	96	U	ND	83	U	**34000**	440	D
Phenol	8270C	31,000,000	2,300,000	ND	160	U	ND	170	U	ND	150	U	ND	760	U, D
Pyrene	8270C	3,100,000	230,000	**870**	100		ND	110	U	ND	95	U	**36000**	500	D

Table Notes:

E6: Results are estimated due to internal standard area counts out of QC acceptance limits.

M4: The matrix spike recovery was biased high, the reported result is estimated.

S1: Surrogate recovery was above laboratory acceptance limits. No negative impact on the data.

S2: Surrogate recovery was above laboratory acceptance limits. Reported data is estimated.

U: Sample Concentration is less than the MDL.

MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

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Table B (con't): Semi-Volatile Organic pounds (SVOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-28 SB-28-2 (14-16') 02/04/09			B-29 SS-29 (2-4') 02/04/09			B-29 SB-29 (6-8') 02/04/09			B-30 SS-30 (0-4') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,2,4-Trichlorobenzene	8270C	1,000,000	78,000	ND	81	U	ND	72	U	ND	80	U	ND	73	U
1,2-Dichlorobenzene	8270C	9,200,000	700,000	ND	99	U	ND	88	U	ND	97	U	ND	89	U
1,3-Dichlorobenzene	8270C	310,000	23,000	ND	110	U	ND	97	U	ND	110	U	ND	97	U
1,4-Dichlorobenzene	8270C	120,000	27,000	ND	96	U	ND	86	U	ND	95	U	ND	86	U
2,4,5-Trichlorophenol	8270C	10,000,000	780,000	ND	120	U	ND	100	U	ND	110	U	ND	100	U
2,4,6-Trichlorophenol	8270C	260,000	58,000	ND	240	U	ND	210	U	ND	230	U	ND	210	U
2,4-Dichlorophenol	8270C	310,000	23,000	ND	140	U	ND	130	U	ND	140	U	ND	130	U
2,4-Dimethylphenol	8270C	2,000,000	160,000	ND	150	U	ND	140	U	ND	150	U	ND	140	U
2,4-Dinitrophenol	8270C	200,000	16,000	ND	170	U	ND	150	U	ND	160	U	ND	150	U
2,4-Dinitrotoluene	8270C	200,000	16,000	ND	89	U	ND	79	U	ND	87	U	ND	80	U
2,6-Dinitrotoluene	8270C	100,000	7,800	ND	93	U	ND	82	U	ND	91	U	ND	83	U
2-Chloronaphthalene	8270C	8,200,000	630,000	ND	100	U	ND	89	U	ND	98	U	ND	90	U
2-Chlorophenol	8270C	510,000	39,000	ND	170	U	ND	150	U	ND	170	U	ND	150	U
2-Methylnaphthalene	8270C	410,000	31,000	ND	93	U	ND	83	U	ND	91	U	ND	83	U
2-Methylphenol	8270C	5,100,000	390,000	ND	82	U	ND	73	U	ND	81	U	ND	73	U
3,3´-Dichlorobenzidine	8270C	6,400	1,400	ND	190	U	ND	170	U	ND	180	U	ND	170	U
4-Chloroaniline	8270C	410,000	31,000	ND	150	U	ND	130	U	ND	150	U	ND	140	U
4-Methylphenol, 3-Methylphenol	8270C	510,000	39,000	ND	200	U	ND	180	U	ND	200	U	ND	180	U
Acenaphthene	8270C	6,100,000	470,000	ND	110	U	ND	94	U	ND	100	U	ND	95	U
Acenaphthylene	8270C	6,100,000	470,000	ND	110	U	ND	95	U	ND	100	U	ND	95	U
Anthracene	8270C	31,000,000	2,300,000	ND	120	U	ND	110	U	ND	120	U	ND	110	U
Benz(a)anthracene	8270C	3,900	220	ND	110	U	**700**	100		ND	110	U	ND	100	U
Benzo[a]pyrene	8270C	390	22	ND	130	U	**800**	120		ND	130	U	ND	120	U
Benzo[b]fluoranthene	8270C	3,900	220	ND	110	U	**750**	100		ND	110	U	ND	100	U
Benzo[g,h,i]perylene	8270C	3,100,000	230,000	ND	130	U	**660**	110		ND	120	U	ND	110	U
Benzo[k]fluoranthene	8270C	39,000	2,200	ND	120	U	**780**	110		ND	120	U	ND	110	U
Bis(2-Chloroethyl)ether	8270C	2,600	580	ND	110	U	ND	100	U	ND	110	U	ND	100	U
Bis(2-chloroisopropyl)ether	8270C	--	--	ND	260	U	ND	230	U	ND	260	U	ND	240	U
Bis(2-Ethylhexyl)phthalate	8270C	200,000	46,000	ND	150	U	ND	130	U	ND	150	U	ND	130	U
Carbazole	8270C	140,000	32,000	ND	120	U	ND	110	U	ND	120	U	ND	110	U
Chrysene	8270C	390,000	22,000	ND	120	U	**770**	110		ND	120	U	ND	110	U
Dibenz[a,h]anthracene	8270C	390	22	ND	94	U	ND	83	U	ND	92	U	ND	84	U
Dibenzofuran	8270C	100,000	7,800	ND	92	U	ND	82	U	ND	90	U	ND	82	U
Diethylphthalate	8270C	82,000,000	6,300,000	ND	110	U	ND	94	U	ND	100	U	ND	94	U
Di-n-butylphthalate	8270C	10,000,000	780,000	ND	150	U	ND	140	U	ND	150	U	ND	140	U
Fluoranthene	8270C	4,100,000	310,000	ND	97	U	**1000**	86		ND	95	U	ND	87	U
Fluorene	8270C	4,100,000	310,000	ND	120	U	ND	100	U	ND	110	U	ND	100	U
Hexachlorobenzene	8270C	1,800	400	ND	140	U	ND	120	U	ND	130	U	ND	120	U
Hexachlorobutadiene	8270C	37,000	8,200	ND	88	U	ND	79	U	ND	87	U	ND	79	U
Hexachlorocyclopentadiene	8270C	610,000	47,000	ND	98	U	ND	87	U	ND	96	U	ND	88	U
Hexachloroethane	8270C	200,000	46,000	ND	130	U	ND	120	U	ND	130	U	ND	120	U
Indeno[1,2,3-cd]pyrene	8270C	3,900	220	ND	100	U	**580**	93		ND	100	U	ND	93	U
Isophorone	8270C	3,000,000	670,000	ND	120	U	ND	110	U	ND	120	U	ND	110	U
Naphthalene	8270C	2,000,000	160,000	ND	140	U	ND	120	U	ND	130	U	ND	120	U
Nitrobenzene	8270C	51,000	3,900	ND	110	U	ND	94	U	ND	100	U	ND	95	U
N-Nitroso-di-n-propylamine	8270C	410	91	ND	150	U	ND	130	U	ND	150	U	ND	130	U
N-Nitrosodiphenylamine	8270C	580,000	130,000	ND	140	U	ND	130	U	ND	140	U	ND	130	U
Pentachlorophenol	8270C	24,000	5,300	ND	370	U	ND	330	U	ND	360	U	ND	330	U
Phenanthrene	8270C	31,000,000	2,300,000	ND	98	U	**500**	87		ND	96	U	ND	87	U
Phenol	8270C	31,000,000	2,300,000	ND	170	U	ND	150	U	ND	170	U	ND	150	U
Pyrene	8270C	3,100,000	230,000	ND	110	U	**1800**	99		ND	110	U	ND	99	U

Table Notes:

E6: Results are estimated due to internal standard area counts out of QC acceptance limits.

M4: The matrix spike recovery was biased high, the reported result is estimated.

S1: Surrogate recovery was above laboratory acceptance limits. No negative impact on the data.

S2: Surrogate recovery was above laboratory acceptance limits. Reported data is estimated.

U: Sample Concentration is less than the MDL.

MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table B (con't): Semi-Volatile Organic ounds (SVOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-30 SB-30 (4-8') 02/04/09			B-31 SS-31 (3-4') 02/04/09			B-31 SB-31 (4-6') 02/04/09			B-32 SS-32 (0-1') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,2,4-Trichlorobenzene	8270C	1,000,000	78,000	ND	77	U	ND	87	U	ND	92	U	ND	68	U
1,2-Dichlorobenzene	8270C	9,200,000	700,000	ND	94	U	ND	110	U	ND	110	U	ND	84	U
1,3-Dichlorobenzene	8270C	310,000	23,000	ND	100	U	ND	120	U	ND	120	U	ND	92	U
1,4-Dichlorobenzene	8270C	120,000	27,000	ND	91	U	ND	100	U	ND	110	U	ND	81	U
2,4,5-Trichlorophenol	8270C	10,000,000	780,000	ND	110	U	ND	120	U	ND	130	U	ND	98	U
2,4,6-Trichlorophenol	8270C	260,000	58,000	ND	230	U	ND	260	U	ND	270	U	ND	200	U
2,4-Dichlorophenol	8270C	310,000	23,000	ND	140	U	ND	150	U	ND	160	U	ND	120	U
2,4-Dimethylphenol	8270C	2,000,000	160,000	ND	150	U	ND	170	U	ND	170	U	ND	130	U
2,4-Dinitrophenol	8270C	200,000	16,000	ND	160	U	ND	180	U	ND	190	U	ND	140	U
2,4-Dinitrotoluene	8270C	200,000	16,000	ND	84	U	ND	95	U	ND	100	U	ND	75	U
2,6-Dinitrotoluene	8270C	100,000	7,800	ND	88	U	ND	99	U	ND	100	U	ND	78	U
2-Chloronaphthalene	8270C	8,200,000	630,000	ND	95	U	ND	110	U	ND	110	U	ND	84	U
2-Chlorophenol	8270C	510,000	39,000	ND	160	U	ND	180	U	ND	190	U	ND	140	U
2-Methylnaphthalene	8270C	410,000	31,000	ND	88	U	ND	100	U	ND	110	U	ND	78	U
2-Methylphenol	8270C	5,100,000	390,000	ND	78	U	ND	88	U	ND	93	U	ND	69	U
3,3´-Dichlorobenzidine	8270C	6,400	1,400	ND	180	U	ND	200	U	ND	210	U	ND	160	U
4-Chloroaniline	8270C	410,000	31,000	ND	140	U	ND	160	U	ND	170	U	ND	130	U
4-Methylphenol, 3-Methylphenol	8270C	510,000	39,000	ND	190	U	ND	210	U	ND	230	U	ND	170	U
Acenaphthene	8270C	6,100,000	470,000	ND	100	U	ND	110	U	ND	120	U	ND	89	U
Acenaphthylene	8270C	6,100,000	470,000	ND	100	U	ND	110	U	ND	120	U	ND	89	U
Anthracene	8270C	31,000,000	2,300,000	**450**	110		ND	130	U	ND	130	U	ND	100	U
Benz(a)anthracene	8270C	3,900	220	**760**	110		ND	120	U	ND	130	U	ND	96	U
Benzo[a]pyrene	8270C	390	22	**680**	130		ND	140	U	ND	150	U	ND	110	U
Benzo[b]fluoranthene	8270C	3,900	220	**610**	110		ND	120	U	ND	130	U	ND	96	U
Benzo[g,h,i]perylene	8270C	3,100,000	230,000	ND	120	U	ND	130	U	ND	140	U	ND	110	U
Benzo[k]fluoranthene	8270C	39,000	2,200	**720**	120		ND	130	U	ND	140	U	ND	100	U
Bis(2-Chloroethyl)ether	8270C	2,600	580	ND	110	U	ND	120	U	ND	130	U	ND	94	U
Bis(2-chloroisopropyl)ether	8270C	--	--	ND	250	U	ND	280	U	ND	300	U	ND	220	U
Bis(2-Ethylhexyl)phthalate	8270C	200,000	46,000	ND	140	U	ND	160	U	ND	170	U	ND	130	U
Carbazole	8270C	140,000	32,000	ND	110	U	ND	130	U	ND	130	U	ND	100	U
Chrysene	8270C	390,000	22,000	**700**	120		ND	130	U	ND	140	U	ND	100	U
Dibenz[a,h]anthracene	8270C	390	22	ND	89	U	ND	100	U	ND	110	U	ND	79	U
Dibenzofuran	8270C	100,000	7,800	ND	87	U	ND	98	U	ND	100	U	ND	77	U
Diethylphthalate	8270C	82,000,000	6,300,000	ND	100	U	ND	110	U	ND	120	U	ND	89	U
Di-n-butylphthalate	8270C	10,000,000	780,000	ND	150	U	ND	160	U	ND	170	U	ND	130	U
Fluoranthene	8270C	4,100,000	310,000	**1500**	92		ND	100	U	ND	110	U	ND	82	U
Fluorene	8270C	4,100,000	310,000	ND	110	U	ND	120	U	ND	130	U	ND	98	U
Hexachlorobenzene	8270C	1,800	400	ND	130	U	ND	150	U	ND	150	U	ND	120	U
Hexachlorobutadiene	8270C	37,000	8,200	ND	84	U	ND	94	U	ND	100	U	ND	74	U
Hexachlorocyclopentadiene	8270C	610,000	47,000	ND	93	U	ND	100	U	ND	110	U	ND	83	U
Hexachloroethane	8270C	200,000	46,000	ND	130	U	ND	140	U	ND	150	U	ND	110	U
Indeno[1,2,3-cd]pyrene	8270C	3,900	220	ND	98	U	ND	110	U	ND	120	U	ND	88	U
Isophorone	8270C	3,000,000	670,000	ND	110	U	ND	130	U	ND	140	U	ND	100	U
Naphthalene	8270C	2,000,000	160,000	ND	130	U	ND	150	U	ND	150	U	ND	120	U
Nitrobenzene	8270C	51,000	3,900	ND	100	U	ND	110	U	ND	120	U	ND	89	U
N-Nitroso-di-n-propylamine	8270C	410	91	ND	140	U	ND	160	U	ND	170	U	ND	120	U
N-Nitrosodiphenylamine	8270C	580,000	130,000	ND	130	U	ND	150	U	ND	160	U	ND	120	U
Pentachlorophenol	8270C	24,000	5,300	ND	350	U	ND	390	U	ND	410	U	ND	310	U
Phenanthrene	8270C	31,000,000	2,300,000	**1800**	93		ND	100	U	ND	110	U	ND	82	U
Phenol	8270C	31,000,000	2,300,000	ND	160	U	ND	180	U	ND	190	U	ND	140	U
Pyrene	8270C	3,100,000	230,000	**2000**	110		ND	120	U	ND	130	U	ND	93	U

Table Notes:

E6: Results are estimated due to internal standard area counts out of QC acceptance limits.

M4: The matrix spike recovery was biased high, the reported result is estimated.

S1: Surrogate recovery was above laboratory acceptance limits. No negative impact on the data.

S2: Surrogate recovery was above laboratory acceptance limits. Reported data is estimated.

U: Sample Concentration is less than the MDL.

MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table B (con't): Semi-Volatile Organic pounds (SVOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-33 SS-33 (0-4') 02/04/09			B-33 SS-33 (0-4') 02/19/09			B-33 SB-33 (4-6') 02/19/09			B-34 SS-34 (4-12') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,2,4-Trichlorobenzene	8270C	1,000,000	78,000	ND	24		ND	78	U	ND	74	U	ND	73	U
1,2-Dichlorobenzene	8270C	9,200,000	700,000	ND	19		ND	95	U	ND	90	U	ND	90	U
1,3-Dichlorobenzene	8270C	310,000	23,000	ND	20		ND	100	U	ND	99	U	ND	98	U
1,4-Dichlorobenzene	8270C	120,000	27,000	ND	12		ND	93	U	ND	88	U	ND	87	U
2,4,5-Trichlorophenol	8270C	10,000,000	780,000	ND	59		ND	110	U	ND	110	U	ND	110	U
2,4,6-Trichlorophenol	8270C	260,000	58,000	ND	37		ND	230	U	ND	220	U	ND	220	U
2,4-Dichlorophenol	8270C	310,000	23,000	ND	29		ND	140	U	ND	130	U	ND	130	U
2,4-Dimethylphenol	8270C	2,000,000	160,000	ND	30		ND	150	U	ND	140	U	ND	140	U
2,4-Dinitrophenol	8270C	200,000	16,000	ND	310		ND	160	U	ND	150	U	ND	150	U
2,4-Dinitrotoluene	8270C	200,000	16,000	ND	37		ND	86	U	ND	81	U	ND	81	U
2,6-Dinitrotoluene	8270C	100,000	7,800	ND	37		ND	89	U	ND	84	U	ND	84	U
2-Chloronaphthalene	8270C	8,200,000	630,000	ND	60		ND	96	U	ND	91	U	ND	91	U
2-Chlorophenol	8270C	510,000	39,000	ND	24		ND	160	U	ND	150	U	ND	150	U
2-Methylnaphthalene	8270C	410,000	31,000	ND	21		ND	89	U	ND	85	U	ND	84	U
2-Methylphenol	8270C	5,100,000	390,000	ND	21		ND	79	U	ND	75	U	ND	74	U
3,3'-Dichlorobenzidine	8270C	6,400	1,400	ND	43		ND	180	U	ND	170	U	ND	170	U
4-Chloroaniline	8270C	410,000	31,000	ND	33		ND	150	U	ND	140	U	ND	140	U
4-Methylphenol, 3-Methylphenol	8270C	510,000	39,000	ND	25		ND	190	U	ND	180	U	ND	180	U
Acenaphthene	8270C	6,100,000	470,000	ND	26		ND	100	U	ND	96	U	ND	96	U
Acenaphthylene	8270C	6,100,000	470,000	ND	18		ND	100	U	ND	97	U	ND	96	U
Anthracene	8270C	31,000,000	2,300,000	ND	21		ND	110	U	ND	110	U	ND	110	U
Benz(a)anthracene	8270C	3,900	220	ND	45		ND	110	U	ND	100	U	ND	100	U
Benzo[a]pyrene	8270C	390	22	ND	69		ND	130	U	ND	120	U	ND	120	U
Benzo[b]fluoranthene	8270C	3,900	220	ND	65		ND	110	U	ND	100	U	ND	100	U
Benzo[g,h,i]perylene	8270C	3,100,000	230,000	ND	83		ND	120	U	ND	110	U	ND	110	U
Benzo[k]fluoranthene	8270C	39,000	2,200	ND	94		ND	120	U	ND	110	U	ND	110	U
Bis(2-Chloroethyl)ether	8270C	2,600	580	ND	21		ND	110	U	ND	100	U	ND	100	U
Bis(2-chloroisopropyl)ether	8270C	--	--	ND	17		ND	250	U	ND	240	U	ND	240	U
Bis(2-Ethylhexyl)phthalate	8270C	200,000	46,000	ND	47		ND	140	U	ND	140	U	ND	130	U
Carbazole	8270C	140,000	32,000	ND	28		ND	110	U	ND	110	U	ND	110	U
Chrysene	8270C	390,000	22,000	ND	45		ND	120	U	ND	110	U	ND	110	U
Dibenz[a,h]anthracene	8270C	390	22	ND	64		ND	90	U	ND	85	U	ND	85	U
Dibenzofuran	8270C	100,000	7,800	ND	20		ND	88	U	ND	84	U	ND	83	U
Diethylphthalate	8270C	82,000,000	6,300,000	ND	34		ND	100	U	ND	96	U	ND	95	U
Di-n-butylphthalate	8270C	10,000,000	780,000	ND	36		ND	150	U	ND	140	U	ND	140	U
Fluoranthene	8270C	4,100,000	310,000	ND	31		ND	93	U	ND	88	U	ND	88	U
Fluorene	8270C	4,100,000	310,000	ND	25		ND	110	U	ND	110	U	ND	110	U
Hexachlorobenzene	8270C	1,800	400	ND	32		ND	130	U	ND	120	U	ND	120	U
Hexachlorobutadiene	8270C	37,000	8,200	ND	20		ND	85	U	ND	80	U	ND	80	U
Hexachlorocyclopentadiene	8270C	610,000	47,000	ND	25		ND	94	U	ND	89	U	ND	89	U
Hexachloroethane	8270C	200,000	46,000	ND	24		ND	130	U	ND	120	U	ND	120	U
Indeno[1,2,3-cd]pyrene	8270C	3,900	220	ND	67		ND	100	U	ND	95	U	ND	94	U
Isophorone	8270C	3,000,000	670,000	ND	19		ND	120	U	ND	110	U	ND	110	U
Naphthalene	8270C	2,000,000	160,000	ND	17		ND	130	U	ND	120	U	ND	120	U
Nitrobenzene	8270C	51,000	3,900	ND	19		ND	100	U	ND	96	U	ND	96	U
N-Nitroso-di-n-propylamine	8270C	410	91	ND	24		ND	140	U	ND	130	U	ND	130	U
N-Nitrosodiphenylamine	8270C	580,000	130,000	ND	22		ND	140	U	ND	130	U	ND	130	U
Pentachlorophenol	8270C	24,000	5,300	ND	44		ND	350	U	ND	330	U	ND	330	U
Phenanthrene	8270C	31,000,000	2,300,000	ND	20		ND	94	U	ND	89	U	**610**	88	
Phenol	8270C	31,000,000	2,300,000	ND	23		ND	160	U	ND	150	U	ND	150	U
Pyrene	8270C	3,100,000	230,000	ND	40		ND	110	U	ND	100	U	ND	100	U

Table Notes:

E6: Results are estimated due to internal standard area counts out of QC acceptance limits.

M4: The matrix spike recovery was biased high, the reported result is estimated.

S1: Surrogate recovery was above laboratory acceptance limits. No negative impact on the data.

S2: Surrogate recovery was above laboratory acceptance limits. Reported data is estimated.

U: Sample Concentration is less than the MDL.

MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table B (con't): Semi-Volatile Organic pounds (SVOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-34 SB-34 (12-16') 02/12/09			B-35 SS-35 (2-4') 02/05/09			B-35 SB-35 (4-8') 02/05/09			B-36 SS-36 (0-4') 02/05/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,2,4-Trichlorobenzene	8270C	1,000,000	78,000	ND	86	U	ND	75	U	ND	72	U	ND	68	U
1,2-Dichlorobenzene	8270C	9,200,000	700,000	ND	100	U	ND	91	U	ND	88	U	ND	83	U
1,3-Dichlorobenzene	8270C	310,000	23,000	ND	110	U	ND	100	U	ND	96	U	ND	91	U
1,4-Dichlorobenzene	8270C	120,000	27,000	ND	100	U	ND	89	U	ND	85	U	ND	81	U
2,4,5-Trichlorophenol	8270C	10,000,000	780,000	ND	120	U	ND	110	U	ND	100	U	ND	97	U
2,4,6-Trichlorophenol	8270C	260,000	58,000	ND	250	U	ND	220	U	ND	210	U	ND	200	U
2,4-Dichlorophenol	8270C	310,000	23,000	ND	150	U	ND	130	U	ND	130	U	ND	120	U
2,4-Dimethylphenol	8270C	2,000,000	160,000	ND	160	U	ND	140	U	ND	140	U	ND	130	U
2,4-Dinitrophenol	8270C	200,000	16,000	ND	180	U	ND	150	U	ND	150	U	ND	140	U
2,4-Dinitrotoluene	8270C	200,000	16,000	ND	94	U	ND	82	U	ND	79	U	ND	75	U
2,6-Dinitrotoluene	8270C	100,000	7,800	ND	98	U	ND	85	U	ND	82	U	ND	78	U
2-Chloronaphthalene	8270C	8,200,000	630,000	ND	110	U	ND	92	U	ND	89	U	ND	84	U
2-Chlorophenol	8270C	510,000	39,000	ND	180	U	ND	160	U	ND	150	U	ND	140	U
2-Methylnaphthalene	8270C	410,000	31,000	**16000**	980	D	ND	86	U	ND	82	U	ND	78	U
2-Methylphenol	8270C	5,100,000	390,000	ND	87	U	ND	76	U	ND	73	U	ND	69	U
3,3'-Dichlorobenzidine	8270C	6,400	1,400	ND	200	U	ND	170	U	ND	170	U	ND	160	U
4-Chloroaniline	8270C	410,000	31,000	ND	160	U	ND	140	U	ND	130	U	ND	130	U
4-Methylphenol, 3-Methylphenol	8270C	510,000	39,000	ND	210	U	ND	190	U	ND	180	U	ND	170	U
Acenaphthene	8270C	6,100,000	470,000	**1200**	110		ND	98	U	ND	94	U	ND	89	U
Acenaphthylene	8270C	6,100,000	470,000	ND	110	U	ND	98	U	ND	94	U	ND	89	U
Anthracene	8270C	31,000,000	2,300,000	ND	130	E6, U	ND	110	U	ND	110	U	ND	100	U
Benz(a)anthracene	8270C	3,900	220	ND	120	U	**520**	110		ND	100	U	ND	96	U
Benzo[a]pyrene	8270C	390	22	ND	140	U	**600**	120		ND	120	U	ND	110	U
Benzo[b]fluoranthene	8270C	3,900	220	ND	120	U	**590**	100		ND	100	U	ND	95	U
Benzo[g,h,i]perylene	8270C	3,100,000	230,000	ND	130	U	**450**	120		ND	110	U	ND	100	U
Benzo[k]fluoranthene	8270C	39,000	2,200	ND	130	U	**500**	110		ND	110	U	ND	100	U
Bis(2-Chloroethyl)ether	8270C	2,600	580	ND	120	U	ND	100	U	ND	99	U	ND	94	U
Bis(2-chloroisopropyl)ether	8270C	--	--	ND	280	U	ND	240	U	ND	230	U	ND	220	U
Bis(2-Ethylhexyl)phthalate	8270C	200,000	46,000	ND	160	U	ND	140	U	ND	130	U	ND	130	U
Carbazole	8270C	140,000	32,000	ND	130	E6, U	ND	110	U	ND	110	U	ND	100	U
Chrysene	8270C	390,000	22,000	ND	130	U	**520**	110		ND	110	U	ND	100	U
Dibenz[a,h]anthracene	8270C	390	22	ND	99	U	ND	86	U	ND	83	U	ND	78	U
Dibenzofuran	8270C	100,000	7,800	**720**	97		ND	85	U	ND	81	U	ND	77	U
Diethylphthalate	8270C	82,000,000	6,300,000	ND	110	U	ND	97	U	ND	93	U	ND	88	U
Di-n-butylphthalate	8270C	10,000,000	780,000	ND	160	E6, U	ND	140	U	ND	140	U	ND	130	U
Fluoranthene	8270C	4,100,000	310,000	ND	100	E6, U	**800**	89		ND	86	U	ND	81	U
Fluorene	8270C	4,100,000	310,000	**1800**	120		ND	110	U	ND	100	U	ND	97	U
Hexachlorobenzene	8270C	1,800	400	ND	140	E6, U	ND	130	U	ND	120	U	ND	120	U
Hexachlorobutadiene	8270C	37,000	8,200	ND	93	U	ND	81	U	ND	78	U	ND	74	U
Hexachlorocyclopentadiene	8270C	610,000	47,000	ND	100	U	ND	90	U	ND	87	U	ND	82	U
Hexachloroethane	8270C	200,000	46,000	ND	140	U	ND	120	U	ND	120	U	ND	110	U
Indeno[1,2,3-cd]pyrene	8270C	3,900	220	ND	110	U	**390**	96		ND	92	U	ND	87	U
Isophorone	8270C	3,000,000	670,000	ND	130	U	ND	110	U	ND	110	U	ND	100	U
Naphthalene	8270C	2,000,000	160,000	ND	140	U	ND	130	U	ND	120	U	ND	120	U
Nitrobenzene	8270C	51,000	3,900	ND	110	U	ND	98	U	ND	94	U	ND	89	U
N-Nitroso-di-n-propylamine	8270C	410	91	ND	160	U	ND	140	U	ND	130	U	ND	120	U
N-Nitrosodiphenylamine	8270C	580,000	130,000	ND	150	E6, U	ND	130	U	ND	130	U	ND	120	U
Pentachlorophenol	8270C	24,000	5,300	ND	390	E6, U	ND	340	U	ND	320	U	ND	310	U
Phenanthrene	8270C	31,000,000	2,300,000	**3200**	100	E6	ND	90	U	ND	86	U	ND	82	U
Phenol	8270C	31,000,000	2,300,000	ND	180	U	ND	160	U	ND	150	U	ND	140	U
Pyrene	8270C	3,100,000	230,000	ND	120	U	**1300**	100		ND	98	U	ND	93	U

Table Notes:

E6: Results are estimated due to internal standard area counts out of QC acceptance limits.

M4: The matrix spike recovery was biased high, the reported result is estimated.

S1: Surrogate recovery was above laboratory acceptance limits. No negative impact on the data.

S2: Surrogate recovery was above laboratory acceptance limits. Reported data is estimated.

U: Sample Concentration is less than the MDL.

MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table B (con't): Semi-Volatile Organic pounds (SVOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-36 SB-36 (4-8') 02/05/09			B-37 SS-37 (0-4') 02/04/09			B-37 SB-37 (4-8') 02/04/09			B-38 SS-38 (0-4') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,2,4-Trichlorobenzene	8270C	1,000,000	78,000	ND	76	U	ND	71	U	ND	76	U	ND	73	U
1,2-Dichlorobenzene	8270C	9,200,000	700,000	ND	93	U	ND	87	U	ND	93	U	ND	90	U
1,3-Dichlorobenzene	8270C	310,000	23,000	ND	100	U	ND	95	U	ND	100	U	ND	98	U
1,4-Dichlorobenzene	8270C	120,000	27,000	ND	90	U	ND	84	U	ND	91	U	ND	87	U
2,4,5-Trichlorophenol	8270C	10,000,000	780,000	ND	110	U	ND	100	U	ND	110	U	ND	110	U
2,4,6-Trichlorophenol	8270C	260,000	58,000	ND	220	U	ND	210	U	ND	230	U	ND	220	U
2,4-Dichlorophenol	8270C	310,000	23,000	ND	130	U	ND	130	U	ND	140	U	ND	130	U
2,4-Dimethylphenol	8270C	2,000,000	160,000	ND	140	U	ND	130	U	ND	150	U	ND	140	U
2,4-Dinitrophenol	8270C	200,000	16,000	ND	160	U	ND	150	U	ND	160	U	ND	150	U
2,4-Dinitrotoluene	8270C	200,000	16,000	ND	83	U	ND	78	U	ND	84	U	ND	81	U
2,6-Dinitrotoluene	8270C	100,000	7,800	ND	87	U	ND	81	U	ND	87	U	ND	84	U
2-Chloronaphthalene	8270C	8,200,000	630,000	ND	94	U	ND	87	U	ND	94	U	ND	91	U
2-Chlorophenol	8270C	510,000	39,000	ND	160	U	ND	150	U	ND	160	U	ND	150	U
2-Methylnaphthalene	8270C	410,000	31,000	ND	87	U	ND	81	U	ND	88	U	ND	84	U
2-Methylphenol	8270C	5,100,000	390,000	ND	77	U	ND	72	U	ND	77	U	ND	74	U
3,3'-Dichlorobenzidine	8270C	6,400	1,400	ND	180	U	ND	160	U	ND	180	U	ND	170	U
4-Chloroaniline	8270C	410,000	31,000	ND	140	U	ND	130	U	ND	140	U	ND	140	U
4-Methylphenol, 3-Methylphenol	8270C	510,000	39,000	ND	190	U	ND	180	U	ND	190	U	ND	180	U
Acenaphthene	8270C	6,100,000	470,000	ND	99	U	ND	92	U	ND	100	U	ND	96	U
Acenaphthylene	8270C	6,100,000	470,000	ND	99	U	ND	93	U	ND	100	U	ND	96	U
Anthracene	8270C	31,000,000	2,300,000	ND	110	U	ND	100	U	ND	110	U	ND	110	U
Benz(a)anthracene	8270C	3,900	220	ND	110	U	ND	100	U	ND	110	U	ND	100	U
Benzo[a]pyrene	8270C	390	22	ND	130	U	ND	120	U	ND	130	U	ND	120	U
Benzo[b]fluoranthene	8270C	3,900	220	ND	110	U	ND	99	U	ND	110	U	ND	100	U
Benzo[g,h,i]perylene	8270C	3,100,000	230,000	ND	120	U	ND	110	U	ND	120	U	ND	110	U
Benzo[k]fluoranthene	8270C	39,000	2,200	ND	120	U	ND	110	U	ND	120	U	ND	110	U
Bis(2-Chloroethyl)ether	8270C	2,600	580	ND	100	U	ND	97	U	ND	110	U	ND	100	U
Bis(2-chloroisopropyl)ether	8270C	--	--	ND	250	U	ND	230	U	ND	250	U	ND	240	U
Bis(2-Ethylhexyl)phthalate	8270C	200,000	46,000	ND	140	U	ND	130	U	ND	140	U	ND	130	U
Carbazole	8270C	140,000	32,000	ND	110	U	ND	100	U	ND	110	U	ND	110	U
Chrysene	8270C	390,000	22,000	ND	110	U	ND	110	U	ND	110	U	ND	110	U
Dibenz[a,h]anthracene	8270C	390	22	ND	88	U	ND	82	U	ND	88	U	ND	85	U
Dibenzofuran	8270C	100,000	7,800	ND	86	U	ND	80	U	ND	87	U	ND	83	U
Diethylphthalate	8270C	82,000,000	6,300,000	ND	99	U	ND	92	U	ND	99	U	ND	95	U
Di-n-butylphthalate	8270C	10,000,000	780,000	ND	140	U	ND	130	U	ND	140	U	ND	140	U
Fluoranthene	8270C	4,100,000	310,000	ND	91	U	ND	85	U	ND	91	U	**460**	88	
Fluorene	8270C	4,100,000	310,000	ND	110	U	ND	100	U	ND	110	U	ND	110	U
Hexachlorobenzene	8270C	1,800	400	ND	130	U	ND	120	U	ND	130	U	ND	120	U
Hexachlorobutadiene	8270C	37,000	8,200	ND	83	U	ND	77	U	ND	83	U	ND	80	U
Hexachlorocyclopentadiene	8270C	610,000	47,000	ND	92	U	ND	86	U	ND	93	U	ND	89	U
Hexachloroethane	8270C	200,000	46,000	ND	130	U	ND	120	U	ND	130	U	ND	120	U
Indeno[1,2,3-cd]pyrene	8270C	3,900	220	ND	97	U	ND	91	U	ND	98	U	ND	94	U
Isophorone	8270C	3,000,000	670,000	ND	110	U	ND	110	U	ND	110	U	ND	110	U
Naphthalene	8270C	2,000,000	160,000	ND	130	U	ND	120	U	ND	130	U	ND	120	U
Nitrobenzene	8270C	51,000	3,900	ND	99	U	ND	92	U	ND	100	U	ND	96	U
N-Nitroso-di-n-propylamine	8270C	410	91	ND	140	U	ND	130	U	ND	140	U	ND	130	U
N-Nitrosodiphenylamine	8270C	580,000	130,000	ND	130	U	ND	120	U	ND	130	U	ND	130	U
Pentachlorophenol	8270C	24,000	5,300	ND	340	U	ND	320	U	ND	340	U	ND	330	U
Phenanthrene	8270C	31,000,000	2,300,000	ND	91	U	ND	85	U	ND	92	U	ND	88	U
Phenol	8270C	31,000,000	2,300,000	ND	160	U	ND	150	U	ND	160	U	ND	150	U
Pyrene	8270C	3,100,000	230,000	ND	100	U	ND	97	U	ND	100	U	**500**	100	

Table Notes:

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S2: Surrogate recovery was above laboratory acceptance limits. Reported data is estimated.

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MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

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Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table B (con't): Semi-Volatile Organic pounds (SVOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-38 SB-38 (4-8') 02/04/09			B-39 SS-39 (0-1.5') 02/19/09								
				Result	MDL	Qualifier	Result	MDL	Qualifier						
1,2,4-Trichlorobenzene	8270C	1,000,000	78,000	ND	79	U	ND	76	U						
1,2-Dichlorobenzene	8270C	9,200,000	700,000	ND	97	U	ND	92	U						
1,3-Dichlorobenzene	8270C	310,000	23,000	ND	110	U	ND	100	U						
1,4-Dichlorobenzene	8270C	120,000	27,000	ND	94	U	ND	90	U						
2,4,5-Trichlorophenol	8270C	10,000,000	780,000	ND	110	U	ND	110	U						
2,4,6-Trichlorophenol	8270C	260,000	58,000	ND	230	U	ND	220	U						
2,4-Dichlorophenol	8270C	310,000	23,000	ND	140	U	ND	130	U						
2,4-Dimethylphenol	8270C	2,000,000	160,000	ND	150	U	ND	140	U						
2,4-Dinitrophenol	8270C	200,000	16,000	ND	160	U	ND	160	U						
2,4-Dinitrotoluene	8270C	200,000	16,000	ND	87	U	ND	83	U						
2,6-Dinitrotoluene	8270C	100,000	7,800	ND	90	U	ND	86	U						
2-Chloronaphthalene	8270C	8,200,000	630,000	ND	98	U	ND	93	U						
2-Chlorophenol	8270C	510,000	39,000	ND	160	U	ND	160	U						
2-Methylnaphthalene	8270C	410,000	31,000	ND	91	U	ND	87	U						
2-Methylphenol	8270C	5,100,000	390,000	ND	80	U	ND	76	U						
3,3´-Dichlorobenzidine	8270C	6,400	1,400	ND	180	U	ND	170	U						
4-Chloroaniline	8270C	410,000	31,000	ND	150	U	ND	140	U						
4-Methylphenol, 3-Methylphenol	8270C	510,000	39,000	ND	200	U	ND	190	U						
Acenaphthene	8270C	6,100,000	470,000	ND	100	U	ND	99	U						
Acenaphthylene	8270C	6,100,000	470,000	ND	100	U	ND	99	U						
Anthracene	8270C	31,000,000	2,300,000	ND	120	U	ND	110	U						
Benz(a)anthracene	8270C	3,900	220	ND	110	U	ND	110	U						
Benzo[a]pyrene	8270C	390	22	ND	130	U	ND	120	U						
Benzo[b]fluoranthene	8270C	3,900	220	ND	110	U	ND	110	U						
Benzo[g,h,i]perylene	8270C	3,100,000	230,000	ND	120	U	ND	120	U						
Benzo[k]fluoranthene	8270C	39,000	2,200	ND	120	U	ND	110	U						
Bis(2-Chloroethyl)ether	8270C	2,600	580	ND	110	U	ND	100	U						
Bis(2-chloroisopropyl)ether	8270C	--	--	ND	260	U	ND	250	U						
Bis(2-Ethylhexyl)phthalate	8270C	200,000	46,000	ND	150	U	ND	140	U						
Carbazole	8270C	140,000	32,000	ND	120	U	ND	110	U						
Chrysene	8270C	390,000	22,000	ND	120	U	ND	110	U						
Dibenz[a,h]anthracene	8270C	390	22	ND	91	U	ND	87	U						
Dibenzofuran	8270C	100,000	7,800	ND	90	U	ND	86	U						
Diethylphthalate	8270C	82,000,000	6,300,000	ND	100	U	ND	98	U						
Di-n-butylphthalate	8270C	10,000,000	780,000	ND	150	U	ND	140	U						
Fluoranthene	8270C	4,100,000	310,000	ND	95	U	ND	90	U						
Fluorene	8270C	4,100,000	310,000	ND	110	U	ND	110	U						
Hexachlorobenzene	8270C	1,800	400	ND	130	U	ND	130	U						
Hexachlorobutadiene	8270C	37,000	8,200	ND	86	U	ND	82	U						
Hexachlorocyclopentadiene	8270C	610,000	47,000	ND	96	U	ND	91	U						
Hexachloroethane	8270C	200,000	46,000	ND	130	U	ND	130	U						
Indeno[1,2,3-cd]pyrene	8270C	3,900	220	ND	100	U	ND	97	U						
Isophorone	8270C	3,000,000	670,000	ND	120	U	ND	110	U						
Naphthalene	8270C	2,000,000	160,000	ND	130	U	ND	130	U						
Nitrobenzene	8270C	51,000	3,900	ND	100	U	ND	99	U						
N-Nitroso-di-n-propylamine	8270C	410	91	ND	140	U	ND	140	U						
N-Nitrosodiphenylamine	8270C	580,000	130,000	ND	140	U	ND	130	U						
Pentachlorophenol	8270C	24,000	5,300	ND	360	U	ND	340	U						
Phenanthrene	8270C	31,000,000	2,300,000	ND	95	U	ND	91	U						
Phenol	8270C	31,000,000	2,300,000	ND	170	U	ND	160	U						
Pyrene	8270C	3,100,000	230,000	ND	110	U	ND	100	U						

Table Notes:

E6: Results are estimated due to internal standard area counts out of QC acceptance limits.

M4: The matrix spike recovery was biased high, the reported result is estimated.

S1: Surrogate recovery was above laboratory acceptance limits. No negative impact on the data.

S2: Surrogate recovery was above laboratory acceptance limits. Reported data is estimated.

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MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table B (con't): Semi-Volatile Organic Compounds (SVOCs) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date										
				B-37 SS-DUP02 (0-4') 02/04/09			B-35 SS-DUP03 (2-4') 02/05/09			B-34 SB-DUP04 (12-16') 02/12/09				
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier		
1,2,4-Trichlorobenzene	8270C	1,000,000	78,000	ND	72	U	ND	75	U	ND	80	U		
1,2-Dichlorobenzene	8270C	9,200,000	700,000	ND	88	U	ND	91	U	ND	97	U		
1,3-Dichlorobenzene	8270C	310,000	23,000	ND	96	U	ND	100	U	ND	110	U		
1,4-Dichlorobenzene	8270C	120,000	27,000	ND	85	U	ND	89	U	ND	94	U		
2,4,5-Trichlorophenol	8270C	10,000,000	780,000	ND	100	U	ND	110	U	ND	110	U		
2,4,6-Trichlorophenol	8270C	260,000	58,000	ND	210	U	ND	220	U	ND	230	U		
2,4-Dichlorophenol	8270C	310,000	23,000	ND	130	U	ND	130	U	ND	140	U		
2,4-Dimethylphenol	8270C	2,000,000	160,000	ND	140	U	ND	140	U	ND	150	U		
2,4-Dinitrophenol	8270C	200,000	16,000	ND	150	U	ND	150	U	ND	160	U		
2,4-Dinitrotoluene	8270C	200,000	16,000	ND	79	U	ND	82	U	ND	87	U		
2,6-Dinitrotoluene	8270C	100,000	7,800	ND	82	U	ND	85	U	ND	91	U		
2-Chloronaphthalene	8270C	8,200,000	630,000	ND	88	U	ND	92	U	ND	98	U		
2-Chlorophenol	8270C	510,000	39,000	ND	150	U	ND	150	U	ND	170	U		
2-Methylnaphthalene	8270C	410,000	31,000	ND	82	U	ND	86	U	**6300**	91			
2-Methylphenol	8270C	5,100,000	390,000	ND	72	U	ND	76	U	ND	81	U		
3,3´-Dichlorobenzidine	8270C	6,400	1,400	ND	170	U	ND	170	U	ND	180	U		
4-Chloroaniline	8270C	410,000	31,000	ND	130	U	ND	140	U	ND	150	U		
4-Methylphenol, 3-Methylphenol	8270C	510,000	39,000	ND	180	U	ND	180	U	ND	200	U		
Acenaphthene	8270C	6,100,000	470,000	ND	94	U	ND	98	U	ND	100	U		
Acenaphthylene	8270C	6,100,000	470,000	ND	94	U	ND	98	U	ND	100	U		
Anthracene	8270C	31,000,000	2,300,000	ND	110	U	ND	110	U	ND	120	U		
Benz(a)anthracene	8270C	3,900	220	ND	100	U	**440**	110		ND	110	U		
Benzo[a]pyrene	8270C	390	22	ND	120	U	**520**	120		ND	130	U		
Benzo[b]fluoranthene	8270C	3,900	220	ND	100	U	**420**	100		ND	110	U		
Benzo[g,h,i]perylene	8270C	3,100,000	230,000	ND	110	U	ND	120	U	ND	120	U		
Benzo[k]fluoranthene	8270C	39,000	2,200	ND	110	U	**550**	110		ND	120	U		
Bis(2-Chloroethyl)ether	8270C	2,600	580	ND	99	U	ND	100	U	ND	110	U		
Bis(2-chloroisopropyl)ether	8270C	--	--	ND	230	U	ND	240	U	ND	260	U		
Bis(2-Ethylhexyl)phthalate	8270C	200,000	46,000	ND	130	U	ND	140	U	ND	150	U		
Carbazole	8270C	140,000	32,000	ND	110	U	ND	110	U	ND	120	U		
Chrysene	8270C	390,000	22,000	ND	110	U	**450**	110		ND	120	U		
Dibenz[a,h]anthracene	8270C	390	22	ND	83	U	ND	86	U	ND	92	U		
Dibenzofuran	8270C	100,000	7,800	ND	81	U	ND	85	U	ND	90	U		
Diethylphthalate	8270C	82,000,000	6,300,000	ND	93	U	ND	97	U	ND	100	U		
Di-n-butylphthalate	8270C	10,000,000	780,000	ND	140	U	ND	140	U	ND	150	U		
Fluoranthene	8270C	4,100,000	310,000	ND	86	U	**790**	89		ND	95	U		
Fluorene	8270C	4,100,000	310,000	ND	100	U	ND	110	U	**750**	110			
Hexachlorobenzene	8270C	1,800	400	ND	120	U	ND	130	U	ND	130	U		
Hexachlorobutadiene	8270C	37,000	8,200	ND	78	U	ND	81	U	ND	86	U		
Hexachlorocyclopentadiene	8270C	610,000	47,000	ND	87	U	ND	90	U	ND	96	U		
Hexachloroethane	8270C	200,000	46,000	ND	120	U	ND	120	U	ND	130	U		
Indeno[1,2,3-cd]pyrene	8270C	3,900	220	ND	92	U	ND	96	U	ND	100	U		
Isophorone	8270C	3,000,000	670,000	ND	110	U	ND	110	U	ND	120	U		
Naphthalene	8270C	2,000,000	160,000	ND	120	U	ND	130	U	ND	130	U		
Nitrobenzene	8270C	51,000	3,900	ND	93	U	ND	97	U	ND	100	U		
N-Nitroso-di-n-propylamine	8270C	410	91	ND	130	U	ND	140	U	ND	150	U		
N-Nitrosodiphenylamine	8270C	580,000	130,000	ND	130	U	ND	130	U	ND	140	U		
Pentachlorophenol	8270C	24,000	5,300	ND	320	U	ND	340	U	ND	360	U		
Phenanthrene	8270C	31,000,000	2,300,000	ND	86	U	ND	90	U	**1400**	96			
Phenol	8270C	31,000,000	2,300,000	ND	150	U	ND	160	U	ND	170	U		
Pyrene	8270C	3,100,000	230,000	ND	98	U	**980**	100	M4	ND	110	U		

Table Notes:

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M4: The matrix spike recovery was biased high, the reported result is estimated.

S1: Surrogate recovery was above laboratory acceptance limits. No negative impact on the data.

S2: Surrogate recovery was above laboratory acceptance limits. Reported data is estimated.

U: Sample Concentration is less than the MDL.

MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table C: Total Petroleum Hydrocarbons (TPH) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)	MDE Cleanup Standard for Soils (Residential) (mg/kg)	Boring Number / Sample Number / Depth / Date											
				B-27 SS-27 (0-4') 02/04/09			B-27 SB-27 (4-8') 02/04/09			B-28 SS-28 (2-4') 02/04/09			B-28 SB-28 (4-8') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Diesel Range Organics	8015B	620	230	**48**	5.0		**15**	5.0		ND	5.0	U	**72**	5.0	
Gasoline Range Organics	8015B	620	230	**7.3**	1.4	D	ND	1.2	U, D	ND	1.4	U, D	**8.9**	1.4	D
Chemical Analyte	**EPA Method**	**MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)**	**MDE Cleanup Standard for Soils (Residential) (mg/kg)**	**Boring Number / Sample Number / Depth / Date**											
				B-28 SB-28-2 (14-16') 02/04/09			B-29 SS-29 (2-4') 02/04/09			B-29 SB-29 (6-8') 02/04/09			B-30 SS-30 (0-4') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Diesel Range Organics	8015B	620	230	ND	5.0	U	**97**	5.0		ND	5.0	U	ND	5.0	U
Gasoline Range Organics	8015B	620	230	ND	1.2	U, D	**11**	1.1	D	ND	1.1	U, D	ND	1.3	U, D
Chemical Analyte	**EPA Method**	**MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)**	**MDE Cleanup Standard for Soils (Residential) (mg/kg)**	**Boring Number / Sample Number / Depth / Date**											
				B-30 SB-30 (4-8') 02/04/09			B-31 SS-31 (3-4') 02/04/09			B-31 SB-31 (4-6') 02/04/09			B-32 SS-32 (0-1') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Diesel Range Organics	8015B	620	230	**13**	5.0		ND	5.0	U	ND	5.0	U	ND	5.0	U
Gasoline Range Organics	8015B	620	230	ND	1.1	U, D	ND	1.3	U, D	ND	1.1	U, D	ND	1.2	U, D
Chemical Analyte	**EPA Method**	**MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)**	**MDE Cleanup Standard for Soils (Residential) (mg/kg)**	**Boring Number / Sample Number / Depth / Date**											
				B-33 SS-33 (0-4') 02/06/09			B-33 SS-33 (0-4') 02/19/09			B-33 SB-33 (4-6') 02/19/09			B-34 SS-34 (4-12') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Diesel Range Organics	8015B	620	230	ND	7.3		ND	5.0	U	ND	5.0	U	**1200**	5.0	
Gasoline Range Organics	8015B	620	230	ND	1.2	U, D	ND	0.62	Q1, U, D	ND	0.53	U, D	ND	1.3	U, D

Table Notes:

D: Sample diluted

Q1: Sample received with headspace.

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table C (con't): Total Petroleum Hydrocarbons (TPH) - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)	MDE Cleanup Standard for Soils (Residential) (mg/kg)	Boring Number / Sample Number / Depth / Date											
				B-34 SB-34 (12-16') 02/12/09			B-35 SS-35 (2-4') 02/05/09			B-35 SB-35 (4-8') 02/05/09			B-36 SS-36 (0-4') 02/05/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Diesel Range Organics	8015B	620	230	1800	5.0		25	1.2		ND	5.0	U	ND	5.0	U
Gasoline Range Organics	8015B	620	230	140	1.1	D	ND		U, D	ND	1.2	U, D	ND	1.2	U, D

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)	MDE Cleanup Standard for Soils (Residential) (mg/kg)	Boring Number / Sample Number / Depth / Date											
				B-36 SB-36 (4-8') 02/05/09			B-37 SS-37 (0-4') 02/04/09			B-37 SB-37 (4-8') 02/04/09			B-38 SS-38 (0-4') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Diesel Range Organics	8015B	620	230	ND	5.0	U	ND	5.0	U	ND	5.0	U	ND	5.0	U
Gasoline Range Organics	8015B	620	230	ND	1.2	U, D	ND	1.7	U, D	ND	1.3	U, D	4.2	1.1	D

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)	MDE Cleanup Standard for Soils (Residential) (mg/kg)	Boring Number / Sample Number / Depth / Date											
				B-38 SB-38 (4-8') 02/04/09			B-39 SS-39 (0-1.5') 02/19/09								
				Result	MDL	Qualifier	Result	MDL	Qualifier						
Diesel Range Organics	8015B	620	230	ND	5.0	U	ND	5.0	U						
Gasoline Range Organics	8015B	620	230	ND	1.1	U, D	ND	0.55	U, D						

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)	MDE Cleanup Standard for Soils (Residential) (mg/kg)	Boring Number / Sample Number / Depth / Date											
				B-37 SS-DUP02 (0-4') 02/04/09			B-35 SS-DUP03 (2-4') 02/05/09			B-34 SB-DUP04 (12-16') 02/12/09					
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier			
Diesel Range Organics	8015B	620	230	ND	5.0	U	70	5.0		1100	5.0				
Gasoline Range Organics	8015B	620	230	ND	1.2	U, D	ND	1.3	U, D	79	1.1	D			

Table Notes:

D: Sample diluted

Q1: Sample received with headspace.

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table D: Priority Pollutant Metals - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)	MDE Cleanup Standard for Soils (Residential) (mg/kg)	Boring Number / Sample Number / Depth / Date											
				B-27 SS-27 (0-4') 02/04/09			B-27 SB-27 (4-8') 02/04/09			B-28 SS-28 (2-4') 02/04/09			B-28 SB-28 (4-8') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Aluminum	6010B	100,000	7,800	9900	2.0	D	16000	2.0	D	8600	2.0	D	8100	2.0	D
Beryllium	6010B	200.0	16.0	ND	0.17	D	ND	0.17	D	ND	0.16	D	ND	0.16	D
Iron	6010B	72,000	5,500	22000	3.3	B2, D, B	25000	3.3	B2, D, B	11000	3.2	B2, D, B	22000	3.2	B2, D, B
Tin	6010B	61,000	4,700.0	ND	1.5	B3, D	ND	1.5	B3, D	ND	1.5	B3, D	ND	1.5	B3, D
Antimony	6020	41	3.1	6.8	1.0	D	2.4	1.0	D	ND	1.0	D	2.2	0.99	D
Arsenic	6020	3.6*	0.43	49	0.55	D	24	0.55	D	2.2	0.55	D	18	0.54	D
Barium	6020	20,000	1,600	120	0.24	D	110	0.24	D	30	0.24	D	780	0.23	D
Cadmium	6020	51	3.9	0.48	0.0021	B2, D	0.45	0.0021	B2, D	0.28	0.0020	B2, D	4.5	0.0020	B2, D
Chromium	6020	310	23	41	1.0	D	51	1.0	D	39	1.0	D	94	0.99	D
Copper	6020	4,100	310	45	0.21	D	54	0.21	D	16	0.21	D	64	0.20	D
Lead	6020	1,000	400	96	0.77	D	180	0.77	D	20	0.76	D	380	0.75	D
Manganese	6020	2,000	160	390	0.44	D	470	0.44	D	410	0.44	D	210	0.43	D
Nickel	6020	2,000	160	21	0.17	D	24	0.17	D	15	0.17	D	17	0.17	D
Selenium	6020	510	39	2.3	0.50	D	1.1	0.49	D	ND	0.49	D	1.1	0.48	D
Silver	6020	510	39	ND	1.6	D	ND	1.6	D	ND	1.5	D	ND	1.5	D
Thallium	6020	7.2	0.55	ND	0.053	D	ND	0.053	D	ND	0.052	D	ND	0.051	D
Vanadium	6020	100	7.8	42	0.74	D	63	0.74	D	49	0.73	D	41	0.72	D
Zinc	6020	31,000	2,300.0	110	8.6	D	150	8.6	D	34	8.5	D	200	8.4	D
Mercury	SW846 7471A	--	--	0.25	0.0037	D	0.12	0.0041	D	ND	0.0035	D	0.29	0.0037	D

Table Notes:

*: For Arsenic the Anticipated Typical Concentration (ATC) for Eastern Maryland soils was used in place of the MDE non-residential CUS, since ATC > Non-residential CUS

B: Analyte is found in method blank.

B1: Target analyte detcted in method blank at or above reporting limit.

B2: Target analyte detected in method blank at or above reporting limit. Concentration found in the samples was 20 times the concentration found in the method blank.

B3: Target analyte detected in method blank at or above the reporting limit. The analyte concentration was below the reporting limit.

D: Sample Diluted

MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

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Maryland Chemical Corp. - Phase II Site Assessment

Table D (con't): Priority Pollutant Metals - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)	MDE Cleanup Standard for Soils (Residential) (mg/kg)	Boring Number / Sample Number / Depth / Date											
				B-28 SB-28-2 (14-16') 02/04/09			B-29 SS-29 (2-4') 02/04/09			B-29 SB-29 (6-8') 02/04/09			B-30 SS-30 (0-4') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Aluminum	6010B	100,000	7,800	21000	2.0	D	9900	2.0	D	8800	2.0	D	9300	1.9	D
Beryllium	6010B	200.0	16.0	ND	0.16	D	ND	0.17	D	ND	0.17	D	ND	0.16	D
Iron	6010B	72,000	5,500	36000	3.2	B2, D, B	14000	3.3	B2, D, B	21000	3.3	B2, D, B	21000	3.2	B2, D, B
Tin	6010B	61,000	4,700.0	ND	1.5	B3, D	ND	1.5	B3, D	ND	1.5	B3, D	ND	1.5	B3, D
Antimony	6020	41	3.1	ND	0.99	D	ND	1.0	D	ND	1.0	D	ND	0.98	D
Arsenic	6020	3.6*	0.43	2.0	0.54	D	8.0	0.55	D	1.3	0.55	D	8.8	0.53	D
Barium	6020	20,000	1,600	77	0.24	D	48	0.24	D	53	0.24	D	40	0.23	D
Cadmium	6020	51	3.9	0.11	0.0020	B2, D	0.28	0.0021	B2, D	0.055	0.0021	B2, D	0.20	0.0020	B2, D
Chromium	6020	310	23	130	1.0	D	54	1.0	D	62	1.0	D	44	0.98	D
Copper	6020	4,100	310	42	0.21	D	45	0.21	D	15	0.21	D	21	0.20	D
Lead	6020	1,000	400	7.4	0.75	D	65	0.76	D	5.0	0.76	D	35	0.74	D
Manganese	6020	2,000	160	190	0.43	D	390	0.44	D	1800	0.44	D	290	0.43	D
Nickel	6020	2,000	160	68	0.17	D	19	0.17	D	22	0.17	D	14	0.17	D
Selenium	6020	510	39	ND	0.48	D	ND	0.49	D	ND	0.49	D	ND	0.48	D
Silver	6020	510	39	ND	1.5	D	ND	1.5	D	ND	1.5	D	ND	1.5	D
Thallium	6020	7.2	0.55	ND	0.052	D	ND	0.053	D	ND	0.053	D	ND	0.051	D
Vanadium	6020	100	7.8	110	0.72	D	49	0.73	D	69	0.73	D	56	0.71	D
Zinc	6020	31,000	2,300.0	73	8.4	D	110	8.6	D	26	8.6	D	66	8.3	D
Mercury	SW846 7471A	--	--	ND	0.0041	D	0.10	0.0035	D	ND	0.0038	D	ND	0.0037	D

Table Notes:

*: For Arsenic the Anticipated Typical Concentration (ATC) for Eastern Maryland soils was used in place of the MDE non-residential CUS, since ATC > Non-residential CUS

B: Analyte is found in method blank.

B1: Target analyte detcted in method blank at or above reporting limit.

B2: Target analyte detected in method blank at or above reporting limit. Concentration found in the samples was 20 times the concentration found in the method blank.

B3: Target analyte detected in method blank at or above the reporting limit. The analyte concentration was below the reporting limit.

D: Sample Diluted

MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table D (con't): Priority Pollutant Metals - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)	MDE Cleanup Standard for Soils (Residential) (mg/kg)	Boring Number / Sample Number / Depth / Date											
				B-30 SB-30 (4-8') 02/04/09			B-31 SS-31 (3-4') 02/04/09			B-31 SB-31 (4-6') 02/04/09			B-32 SS-32 (0-1') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Aluminum	6010B	100,000	7,800	**2500**	2.0	D	**18000**	2.0	D	**23000**	2.0	D	**2800**	1.9	D
Beryllium	6010B	200	16	ND	0.16	D	ND	0.17	D	**2.2**	0.17	D	ND	0.16	D
Iron	6010B	72,000	5,500	**16000**	3.2	B2, D, B	**51000**	6.6	B2, D, B	**11000**	3.3	B2, D, B	**4200**	3.2	B2, D, B
Tin	6010B	61,000	4,700.0	ND	1.5	B3, D	ND	1.5	B3, D	ND	1.5	B3, D	ND	1.5	B3, D
Antimony	6020	41	3.1	**3.5**	1.0	D	ND	1.0	D	ND	1.0	D	ND	0.98	D
Arsenic	6020	3.6*	0.43	**6.7**	0.55	D	**1.0**	0.55	D	**3.6**	0.55	D	**1.2**	0.54	D
Barium	6020	20,000	1,600	**54**	0.24	D	**66**	0.24	D	**140**	0.24	D	**14**	0.23	D
Cadmium	6020	51	3.9	**0.11**	0.0020	B2, D	**0.17**	0.0021	B2, D, B	**0.70**	0.0021	B2, D, B	ND	0.0020	B1, D
Chromium	6020	310	23	**13**	1.0	D	**140**	1.0	D	**160**	1.0	D	**26**	0.99	D
Copper	6020	4,100	310	**30**	0.21	D	**34**	0.21	D	**53**	0.21	D	**5.8**	0.20	D
Lead	6020	1,000	400	**160**	0.76	D	**8.9**	0.77	D	**9.3**	0.77	D	**5.2**	0.74	D
Manganese	6020	2,000	160	**200**	0.44	D	**1100**	0.44	D	**75**	0.44	D	**150**	0.43	D
Nickel	6020	2,000	160	**11**	0.17	D	**53**	0.17	D	**260**	0.17	D	**5.0**	0.17	D
Selenium	6020	510	39	ND	0.49	D	ND	0.50	D	ND	0.50	D	ND	0.48	D
Silver	6020	510	39	ND	1.5	D	ND	1.6	D	ND	1.6	D	ND	1.5	D
Thallium	6020	7.2	0.55	ND	0.052	D	ND	0.053	D	ND	0.053	D	ND	0.051	D
Vanadium	6020	100	7.8	**17**	0.73	D	**160**	0.74	D	**120**	0.74	D	**22**	0.71	D
Zinc	6020	31,000	2,300.0	**130**	8.5	D	**66**	8.6	D	**270**	8.6	D	ND	8.3	D
Mercury	SW846 7471A	--	--	**0.87**	0.0037	D	ND	0.0044	D	**0.043**	0.0045	D	ND	0.0035	D

Table Notes:

*: For Arsenic the Anticipated Typical Concentration (ATC) for Eastern Maryland soils was used in place of the MDE non-residential CUS, since ATC > Non-residential CUS

B: Analyte is found in method blank.

B1: Target analyte detcted in method blank at or above reporting limit.

B2: Target analyte detected in method blank at or above reporting limit. Concentration found in the samples was 20 times the concentration found in the method blank.

B3: Target analyte detected in method blank at or above the reporting limit. The analyte concentration was below the reporting limit.

D: Sample Diluted

MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table D (con't): Priority Pollutant Metals - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)	MDE Cleanup Standard for Soils (Residential) (mg/kg)	Boring Number / Sample Number / Depth / Date											
				B-33 SS-33 (0-4') 02/06/09			B-33 SS-33 (0-4') 02/19/09			B-33 SB-33 (4-6') 02/19/09			B-34 SS-34 (4-12') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Aluminum	6010B	100,000	7,800	**940**	2.0	D	**6800**	2.0	D	**4200**	1.9	D	**9800**	1.9	D
Beryllium	6010B	200	16	ND	0.16	D	ND	0.17	D	ND	0.16	D	ND	0.16	D
Iron	6010B	72,000	5,500	**8000**	3.2	B2, D, B	**37000**	3.3	D	**22000**	3.2	D	**9200**	3.2	B2, D, B
Tin	6010B	61,000	4,700.0	ND	1.5	B3, D	ND	1.5	D	ND	1.5	D	ND	1.5	B3, D
Antimony	6020	41	3.1	ND	0.99	D	ND	1.0	D	ND	0.97	D	ND	0.98	D
Arsenic	6020	3.6*	0.43	**1.4**	0.54	D	**2.9**	0.55	D	**2.0**	0.53	D	ND	0.53	D
Barium	6020	20,000	1,600	**5.7**	0.23	D	**34**	0.24	D	**18**	0.23	D	**35**	0.23	D
Cadmium	6020	51	3.9	**0.13**	0.0020	B2, D, B	**0.17**	0.0021	B2, D, B	**0.14**	0.0020	B2, D, B	**0.21**	0.0020	B2, D, B
Chromium	6020	310	23	**9.6**	1.0	D	**54**	1.0	D	**30**	0.98	D	**34**	0.98	D
Copper	6020	4,100	310	**9.6**	0.20	D	**21**	0.21	D	**12**	0.20	D	**22**	0.20	D
Lead	6020	1,000	400	**2.2**	0.75	D	**6.7**	0.77	D	**5.8**	0.74	D	**6.1**	0.74	D
Manganese	6020	2,000	160	**14**	0.43	D	**140**	0.45	D	**68**	0.43	D	**92**	0.43	D
Nickel	6020	2,000	160	**6.1**	0.17	D	**18**	0.17	D	**8.5**	0.17	D	**20**	0.17	D
Selenium	6020	510	39	ND	0.48	D	ND	0.50	D	ND	0.47	D	ND	0.48	D
Silver	6020	510	39	ND	1.5	D	ND	1.6	D	ND	1.5	D	ND	1.5	D
Thallium	6020	7.2	0.55	ND	0.052	D	ND	0.053	D	ND	0.051	D	ND	0.051	D
Vanadium	6020	100	7.8	**20**	0.72	D	**62**	0.74	D	**46**	0.71	D	**31**	0.71	D
Zinc	6020	31,000	2,300.0	ND	8.4	D	**36**	8.6	D	**20**	8.3	D	**25**	8.3	D
Mercury	SW846 7471A	--	--	ND	0.0035	D	ND	0.0039	D	ND	0.0037	D	ND	0.0036	D

Table Notes:

*: For Arsenic the Anticipated Typical Concentration (ATC) for Eastern Maryland soils was used in place of the MDE non-residential CUS, since ATC > Non-residential CUS

B: Analyte is found in method blank.

B1: Target analyte detcted in method blank at or above reporting limit.

B2: Target analyte detected in method blank at or above reporting limit. Concentration found in the samples was 20 times the concentration found in the method blank.

B3: Target analyte detected in method blank at or above the reporting limit. The analyte concentration was below the reporting limit.

D: Sample Diluted

MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table D (con't): Priority Pollutant Metals - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)	MDE Cleanup Standard for Soils (Residential) (mg/kg)	Boring Number / Sample Number / Depth / Date											
				B-34 SB-34 (12-16') 02/12/09			B-35 SS-35 (2-4') 02/05/09			B-35 SB-35 (4-8') 02/05/09			B-36 SS-36 (0-4') 02/05/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Aluminum	6010B	100,000	7,800	**16000**	2.0	D	**15000**	2.0	D	**12000**	2.0	D	**7500**	2.0	D
Beryllium	6010B	200	16	ND	0.16	D	ND	0.17	D	ND	0.16	D	ND	0.17	D
Iron	6010B	72,000	5,500	**31000**	3.2	B2, D, B	**27000**	3.3	B2, D, B	**26000**	3.2	B2, D, B	**13000**	3.3	B2, D, B
Tin	6010B	61,000	4,700.0	ND	1.5	B3, D	ND	1.5	B3, D	ND	1.5	B3, D	ND	1.5	B3, D
Antimony	6020	41	3.1	ND	1.0	D	ND	1.0	D	ND	1.0	D	ND	1.0	D
Arsenic	6020	3.6*	0.43	ND	0.55	D	**8.5**	0.55	D	**2.5**	0.55	D	**3.2**	0.55	D
Barium	6020	20,000	1,600	**72**	0.24	D	**120**	0.24	D	**37**	0.24	D	**29**	0.24	D
Cadmium	6020	51	3.9	**0.50**	0.0020	B2, D, B	**0.37**	0.0021	B2, D	**0.075**	0.0020	B2, D	**0.045**	0.0021	B1, D
Chromium	6020	310	23	**130**	1.0	D	**47**	1.0	D	**46**	1.0	D	**67**	1.0	D
Copper	6020	4,100	310	**32**	0.21	D	**46**	0.21	D	**18**	0.21	D	**14**	0.21	D
Lead	6020	1,000	400	**8.5**	0.76	D	**150**	0.76	D	**5.7**	0.76	D	**45**	0.77	D
Manganese	6020	2,000	160	**4900**	0.44	D	**310**	0.44	D	**160**	0.44	D	**200**	0.44	D
Nickel	6020	2,000	160	**67**	0.17	D	**21**	0.17	D	**17**	0.17	D	**15**	0.17	D
Selenium	6020	510	39	ND	0.49	D	ND	0.49	D	ND	0.49	D	ND	0.49	D
Silver	6020	510	39	ND	1.5	D	ND	1.5	D	ND	1.5	D	ND	1.5	D
Thallium	6020	7.2	0.55	ND	0.052	D	ND	0.053	D	ND	0.052	D	ND	0.053	D
Vanadium	6020	100	7.8	**120**	0.73	D	**61**	0.73	D	**53**	0.73	D	**44**	0.73	D
Zinc	6020	31,000	2,300.0	**84**	8.5	D	**170**	8.6	D	**28**	8.5	D	**24**	8.6	D
Mercury	SW846 7471A	--	--	**0.032**	0.0042	D	0.26	0.0038	D	ND	0.0037	D	0.039	0.0033	D

Table Notes:

*: For Arsenic the Anticipated Typical Concentration (ATC) for Eastern Maryland soils was used in place of the MDE non-residential CUS, since ATC > Non-residential CUS

B: Analyte is found in method blank.

B1: Target analyte detcted in method blank at or above reporting limit.

B2: Target analyte detected in method blank at or above reporting limit. Concentration found in the samples was 20 times the concentration found in the method blank.

B3: Target analyte detected in method blank at or above the reporting limit. The analyte concentration was below the reporting limit.

D: Sample Diluted

MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table D (con't): Priority Pollutant Metals - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)	MDE Cleanup Standard for Soils (Residential) (mg/kg)	Boring Number / Sample Number / Depth / Date											
				B-36 SB-36 (4-8') 02/05/09			B-37 SS-37 (0-4') 02/04/09			B-37 SB-37 (4-8') 02/04/09			B-38 SS-38 (0-4') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Aluminum	6010B	100,000	7,800	**19000**	2.0	D	**6800**	2.0	D	**19000**	2.0	D	**17000**	2.0	D
Beryllium	6010B	200	16	ND	0.16	D	ND	0.17	D	ND	0.16	D	ND	0.16	D
Iron	6010B	72,000	5,500	**28000**	3.2	B2, D, B	**11000**	3.3	B2, D, B	**21000**	3.2	B2, D, B	**18000**	3.2	B2, D, B
Tin	6010B	61,000	4,700.0	ND	1.5	B3, D	ND	1.5	B3, D	ND	1.5	B3, D	ND	1.5	B3, D
Antimony	6020	41	3.1	ND	1.0	D	ND	1.0	D	ND	1.0	D	ND	1.0	D
Arsenic	6020	3.6*	0.43	**4.8**	0.55	D	**13**	0.55	D	**7.5**	0.54	D	**2.3**	0.55	D
Barium	6020	20,000	1,600	**76**	0.24	D	**34**	0.24	D	**57**	0.24	D	**30**	0.24	D
Cadmium	6020	51	3.9	**0.14**	0.0020	B2, D	**0.43**	0.0020	B2, D	**0.054**	0.0020	B2, D	**0.13**	0.0020	B2, D
Chromium	6020	310	23	**58**	1.0	D	**35**	1.0	D	**49**	1.0	D	**95**	1.0	D
Copper	6020	4,100	310	**30**	0.21	D	**19**	0.21	D	**13**	0.21	D	**28**	0.21	D
Lead	6020	1,000	400	**31**	0.76	D	**43**	0.76	D	**17**	0.76	D	**15**	0.76	D
Manganese	6020	2,000	160	**520**	0.44	D	**220**	0.44	D	**75**	0.44	D	**390**	0.44	D
Nickel	6020	2,000	160	**25**	0.17	D	**11**	0.17	D	**11**	0.17	D	**24**	0.17	D
Selenium	6020	510	39	ND	0.49	D	ND	0.49	D	ND	0.49	D	ND	0.49	D
Silver	6020	510	39	ND	1.5	D	ND	1.5	D	ND	1.5	D	ND	1.5	D
Thallium	6020	7.2	0.55	ND	0.052	D	ND	0.052	D	ND	0.052	D	ND	0.052	D
Vanadium	6020	100	7.8	**74**	0.73	D	**29**	0.73	D	**57**	0.72	D	**100**	0.73	D
Zinc	6020	31,000	2,300.0	**58**	8.5	D	**43**	8.5	D	**35**	8.5	D	**95**	8.5	D
Mercury	SW846 7471A	--	--	**0.068**	0.0039	D	0.056	0.0034	D	**0.055**	0.0039	D	**0.067**	0.0037	D

Table Notes:

*: For Arsenic the Anticipated Typical Concentration (ATC) for Eastern Maryland soils was used in place of the MDE non-residential CUS, since ATC > Non-residential CUS

B: Analyte is found in method blank.

B1: Target analyte detcted in method blank at or above reporting limit.

B2: Target analyte detected in method blank at or above reporting limit. Concentration found in the samples was 20 times the concentration found in the method blank.

B3: Target analyte detected in method blank at or above the reporting limit. The analyte concentration was below the reporting limit.

D: Sample Diluted

MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table D (con't): Priority Pollutant Metals - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)	MDE Cleanup Standard for Soils (Residential) (mg/kg)	Boring Number / Sample Number / Depth / Date											
				B-38 SB-38 (4-8') 02/04/09			B-39 SS-39 (0-1.5') 02/19/09								
				Result	MDL	Qualifier	Result	MDL	Qualifier						
Aluminum	6010B	100,000	7,800	**7200**	2.0	D	**5100**	2.0	D						
Beryllium	6010B	200	16	ND	0.16	D	ND	0.17	D						
Iron	6010B	72,000	5,500	**13000**	3.2	B2, D, B	**27000**	3.3	D						
Tin	6010B	61,000	4,700.0	ND	1.5	B3, D	ND	1.5	D						
Antimony	6020	41	3.1	**150**	0.99	D	ND	1.0	D						
Arsenic	6020	3.6*	0.43	**4200**	0.54	D	**2.6**	0.55	D						
Barium	6020	20,000	1,600	**230**	0.23	D	**23**	0.24	D						
Cadmium	6020	51	3.9	**140**	0.0020	B2, D	**0.21**	0.0021	B2, D, B						
Chromium	6020	310	23	**3200**	0.99	D	**31**	1.0	D						
Copper	6020	4,100	310	**45**	0.20	D	**19**	0.21	D						
Lead	6020	1,000	400	**140**	0.75	D	**8.8**	0.77	D						
Manganese	6020	2,000	160	**1000**	0.43	D	**120**	0.44	D						
Nickel	6020	2,000	160	**34**	0.17	D	**9.6**	0.17	D						
Selenium	6020	510	39	ND	0.48	D	ND	0.49	D						
Silver	6020	510	39	**15**	1.5	D	ND	1.5	D						
Thallium	6020	7.2	0.55	**200**	0.051	D	ND	0.053	D						
Vanadium	6020	100	7.8	**1500**	0.72	D	**46**	0.73	D						
Zinc	6020	31,000	2,300.0	**350**	8.4	D	**55**	8.6	D						
Mercury	SW846 7471A	--	--	ND	0.0040	D	ND	0.0038	D						

Table Notes:

*: For Arsenic the Anticipated Typical Concentration (ATC) for Eastern Maryland soils was used in place of the MDE non-residential CUS, since ATC > Non-residential CUS

B: Analyte is found in method blank.

B1: Target analyte detcted in method blank at or above reporting limit.

B2: Target analyte detected in method blank at or above reporting limit. Concentration found in the samples was 20 times the concentration found in the method blank.

B3: Target analyte detected in method blank at or above the reporting limit. The analyte concentration was below the reporting limit.

D: Sample Diluted

MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table D (con't): Priority Pollutant Metals - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (mg/kg)	MDE Cleanup Standard for Soils (Residential) (mg/kg)	Boring Number / Sample Number / Depth / Date											
				B-37 SS-DUP02 (0-4') 02/04/09			B-35 SS-DUP03 (2-4') 02/05/09			B-34 SB-DUP04 (12-16') 02/12/09					
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier			
Aluminum	6010B	100,000	7,800	**7500**	1.9	D	**12000**	2.0	D	**8900**	2.0	D			
Beryllium	6010B	200	16	ND	0.16	D	ND	0.16	D	ND	0.16	D			
Iron	6010B	72,000	5,500	**16000**	3.1	B2, D, B	**31000**	3.2	B2, D, B	**24000**	3.2	B2, D, B			
Tin	6010B	61,000	4,700.0	ND	1.5	B3, D	**36**	1.5	B1, D, B	ND	1.5	B3, D			
Antimony	6020	41	3.1	ND	0.97	D	**3.6**	0.99	D	ND	0.99	D			
Arsenic	6020	3.6*	0.43	**5.5**	0.53	D	**15**	0.54	D	ND	0.54	D			
Barium	6020	20,000	1,600	**30**	0.23	D	**140**	0.23	D	**41**	0.23	D			
Cadmium	6020	51	3.9	**0.10**	0.0020	B2, D	**0.35**	0.0020	B2, D	**0.26**	0.0020	B2, D, B			
Chromium	6020	310	23	**36**	0.98	D	**110**	1.0	D	**65**	0.99	D			
Copper	6020	4,100	310	**14**	0.20	D	**46**	0.20	D	**19**	0.20	D			
Lead	6020	1,000	400	**27**	0.74	D	**200**	0.75	D	**5.4**	0.75	D			
Manganese	6020	2,000	160	**160**	0.43	D	**410**	0.43	D	**3000**	0.43	D			
Nickel	6020	2,000	160	**9.7**	0.17	D	**21**	0.17	D	**25**	0.17	D			
Selenium	6020	510	39	ND	0.47	D	ND	0.48	D	ND	0.48	D			
Silver	6020	510	39	ND	1.5	D	ND	1.5	D	ND	1.5	D			
Thallium	6020	7.2	0.55	ND	0.051	D	ND	0.052	D	ND	0.052	D			
Vanadium	6020	100	7.8	**48**	0.70	D	**53**	0.72	D	**93**	0.72	D			
Zinc	6020	31,000	2,300.0	**39**	8.3	D	**180**	8.4	D	**37**	8.4	D			
Mercury	SW846 7471A	--	--	**0.046**	0.0037	D	**1.8**	0.018	D	ND	0.0039	D			

Table Notes:

*: For Arsenic the Anticipated Typical Concentration (ATC) for Eastern Maryland soils was used in place of the MDE non-residential CUS, since ATC > Non-residential CUS

B: Analyte is found in method blank.

B1: Target analyte detcted in method blank at or above reporting limit.

B2: Target analyte detected in method blank at or above reporting limit. Concentration found in the samples was 20 times the concentration found in the method blank.

B3: Target analyte detected in method blank at or above the reporting limit. The analyte concentration was below the reporting limit.

D: Sample Diluted

MDL: Method Detction Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical C · Phase II Site Assessment

Table E : Chlorinated Herbicides - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-27 SS-27 (0-4') 02/04/09			B-27 SB-27 (4-8') 02/04/09			B-28 SS-28 (2-4') 02/04/09			B-28 SB-28 (4-8') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Alachlor	SW8081A	36,000	8,000	0	33		0	33		0	33		0	33	
Atrazine	SW8081A	13,000	2,900	0	99		0	99		0	99		0	99	
2,4,5-TP (Silvex)	SW8151	1,000,000	78,000	0	0.08		0	0.08		0	0.08		1.7	0.08	
2,4-D	SW8151	1,000,000	78,000	0	0.26		0	0.26		0	0.26		10	0.26	
Dalapon	SW8151	3,100,000	230,000	0	0.56		0	0.56		0	0.56		0	0.56	
Dinoseb	SW8151	100,000	7,800	0	0.04		0	0.04		0	0.04		0	0.04	
Glyphosate	EPA 547 Modified	10,000,000	780,000	ND			ND			ND			ND		

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-28 SB-28-2 (14-16') 02/04/09			B-29 SS-29 (2-4') 02/04/09			B-29 SB-29 (6-8') 02/04/09			B-30 SS-30 (0-4') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Alachlor	SW8081A	36,000	8,000	0	33		0	33		0	33		0	33	
Atrazine	SW8081A	13,000	2,900	0	99		0	99		0	99		0	99	
2,4,5-TP (Silvex)	SW8151	1,000,000	78,000	0	0.08		0	0.08		0.63	0.08		0	0.08	
2,4-D	SW8151	1,000,000	78,000	0	0.26		0	0.26		13	0.26		0	0.26	
Dalapon	SW8151	3,100,000	230,000	0	0.56		0	0.56		0	0.56		0	0.56	
Dinoseb	SW8151	100,000	7,800	0	0.04		0	0.04		0	0.04		0	0.04	
Glyphosate	EPA 547 Modified	10,000,000	780,000	ND			ND			ND			ND		

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-30 SB-30 (4-8') 02/04/09			B-31 SS-31 (3-4') 02/04/09			B-31 SB-31 (4-6') 02/04/09			B-32 SS-32 (0-1') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Alachlor	SW8081A	36,000	8,000	0	33		NR			NR			0	33	
Atrazine	SW8081A	13,000	2,900	0	99		NR			NR			0	99	
2,4,5-TP (Silvex)	SW8151	1,000,000	78,000	1	0.08		ND	0.08		ND	0.08		0.42	0.08	
2,4-D	SW8151	1,000,000	78,000	7.1	0.26		ND	0.26		ND	0.26		0	0.26	
Dalapon	SW8151	3,100,000	230,000	0	0.56		ND	0.56		ND	0.56		0	0.56	
Dinoseb	SW8151	100,000	7,800	0	0.04		ND	0.04		ND	0.04		0	0.04	
Glyphosate	EPA 547 Modified	10,000,000	780,000	ND			ND			ND			ND		

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-33 SS-33 (0-4') 02/04/09			B-34 SS-34 (4-12') 02/04/09			B-34 SB-34 (12-16') 02/12/09			B-35 SS-35 (2-4') 02/05/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Alachlor	SW8081A	36,000	8,000	0	33		0	33		NR			0	33	
Atrazine	SW8081A	13,000	2,900	0	99		0	99		NR			0	99	
2,4,5-TP (Silvex)	SW8151	1,000,000	78,000	ND	0.08		ND	0.08		1.7	0.08		0.84	0.08	
2,4-D	SW8151	1,000,000	78,000	ND	0.26		ND	0.26		ND	0.26		0	0.26	
Dalapon	SW8151	3,100,000	230,000	ND	0.56		ND	0.56		ND	0.56		0	0.56	
Dinoseb	SW8151	100,000	7,800	ND	0.04		ND	0.04		ND	0.04		0	0.04	
Glyphosate	EPA 547 Modified	10,000,000	780,000	ND			ND			ND			ND		

Table Notes:

MDL: Method Detection Limit

NR: Not Reported

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table E (con't): Chlorinated Herbicides - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential)	MDE Cleanup Standard for Soils (Residential)	Boring Number / Sample Number / Depth / Date											
				B-35 SB-35 (4-8') 02/05/09			B-36 SS-36 (0-4') 02/05/09			B-36 SB-36 (4-8') 02/05/09			B-37 SS-37 (0-4') 02/04/09		
		(µg/kg)	(µg/kg)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Alachlor	SW8081A	36,000	8,000	0	33		0	33		0	33		0	33	
Atrazine	SW8081A	13,000	2,900	0	99		0	99		0	99		0	99	
2,4,5-TP (Silvex)	SW8151	1,000,000	78,000	0	0.08		0	0.08		0	0.08		0	0.08	
2,4-D	SW8151	1,000,000	78,000	0	0.26		0	0.26		**1200**	0.26		0	0.26	
Dalapon	SW8151	3,100,000	230,000	0	0.56		0	0.56		0	0.56		0	0.56	
Dinoseb	SW8151	100,000	7,800	0	0.04		0	0.04		0	0.04		0	0.04	
Glyphosate	EPA 547 Modified	10,000,000	780,000	ND			ND			ND			ND		

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential)	MDE Cleanup Standard for Soils (Residential)	Boring Number / Sample Number / Depth / Date											
				B-37 SB-37 (4-8') 02/04/09			B-38 SS-38 (0-4') 02/04/09			B-38 SB-38 (4-8') 02/04/09			B-39 SS-39 (0-1.5') 02/19/09		
		(µg/kg)	(µg/kg)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Alachlor	SW8081A	36,000	8,000	0	33		0	33		0	33		ND		
Atrazine	SW8081A	13,000	2,900	0	99		0	99		0	99		ND		
2,4,5-TP (Silvex)	SW8151	1,000,000	78,000	**0.63**	0.08		**0.63**	0.08		**0.63**	0.08		ND		
2,4-D	SW8151	1,000,000	78,000	0	0.26		**9.9**	0.26		0	0.26		ND		
Dalapon	SW8151	3,100,000	230,000	0	0.56		0	0.56		0	0.56		ND		
Dinoseb	SW8151	100,000	7,800	0	0.04		0	0.04		0	0.04		ND		
Glyphosate	EPA 547 Modified	10,000,000	780,000	ND			ND			ND			ND		

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential)	MDE Cleanup Standard for Soils (Residential)	Boring Number / Sample Number / Depth / Date											
				B-37 SS-DUP02 (0-4') 02/04/09			B-35 SS-DUP03 (2-4') 02/05/09			B-34 SB-DUP04 (12-16') 02/12/09					
		(µg/kg)	(µg/kg)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier			
Alachlor	SW8081A	36,000	8,000	0	33		0	33		0	33				
Atrazine	SW8081A	13,000	2,900	0	99		0	99		0	99				
2,4,5-TP (Silvex)	SW8151	1,000,000	78,000	**0.63**	0.08		**1.3**	0.08		ND	0.08				
2,4-D	SW8151	1,000,000	78,000	**0.84**	0.26		**10**	0.26		ND	0.26				
Dalapon	SW8151	3,100,000	230,000	0	0.56		0	0.56		ND	0.56				
Dinoseb	SW8151	100,000	7,800	0	0.04		0	0.04		ND	0.04				
Glyphosate	EPA 547 Modified	10,000,000	780,000	ND			ND			ND					

Table Notes:

MDL: Method Detection Limit

NR: Not Reported

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table F: Pesticides - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-27 SS-27 (0-4') 02/04/09			B-28 SS-28 (2-4') 02/04/09			B-28 SB-28-2 (14-16') 02/04/09			B-29 SB-29 (6-8') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Aldrin	8081A/8082	170	38	ND	3.5	U, D	ND	3.2	U, D	ND	3.8	U, D	ND	3.7	U, D
alpha-BHC	8081A/8082	450	100	ND	4.4	U, D	ND	4.0	U, D	ND	4.7	U, D	ND	4.6	U, D
beta-BHC	8081A/8082	1,600	350	ND	4.8	U, D	ND	4.4	U, D	ND	5.2	U, D	ND	5.1	U, D
delta-BHC	8081A/8082	2,200	490	ND	3.0	U, D	ND	2.7	U, D	ND	3.2	U, D	ND	3.1	U, D
Dieldrin	8081A/8082	180	40	ND	5.9	U, D	ND	5.4	U, D	ND	6.3	U, D	ND	6.2	U, D
Endosulfan I	8081A/8082	610,000	47,000	ND	5.9	U, D	ND	5.4	U, D	ND	6.3	U, D	ND	6.2	U, D
Endosulfan II	8081A/8082	610,000	47,000	ND	7.1	U, D	ND	6.5	U, D	ND	7.6	U, D	ND	7.4	U, D
Endosulfan Sulfate	8081A/8082	610,000	47,000	ND	8.6	U, D	ND	7.9	U, D	ND	9.2	U, D	ND	9.1	U, D
Endrin	8081A/8082	31,000	2,300	ND	5.9	U, D	ND	5.4	U, D	ND	6.3	U, D	ND	6.2	U, D
Endrin Aldehyde	8081A/8082	31,000	2,300	ND	18	U, D	ND	16	U, D	ND	19	U, D	ND	19	U, D
Endrin Ketone	8081A/8082	31,000	2,300	ND	5.6	U, D	ND	5.1	U, D	ND	5.9	U, D	ND	5.8	U, D
gamma-BHC	8081A/8082	2,200	490	ND	4.8	U, D	ND	4.4	U, D	ND	5.2	U, D	ND	5.1	U, D
Heptachlor	8081A/8082	640	140	ND	4.4	U, D	ND	4.0	U, D	ND	4.7	U, D	ND	4.6	U, D
Heptachlor epoxide	8081A/8082	310	70	ND	3.1	U, D	ND	2.8	U, D	ND	3.3	U, D	ND	3.2	U, D
Methoxychlor	8081A/8082	510,000	39,000	ND	28	U, D	ND	26	U, D	ND	30	U, D	ND	30	U, D
p,p'-DDD	8081A/8082	12,000	2,700	ND	6.5	U, D	ND	5.9	U, D	ND	7.0	U, D	ND	6.8	U, D
p,p'-DDE	8081A/8082	8,400	1,900	ND	7.4	U, D	ND	6.8	U, D	ND	8.0	U, D	ND	7.8	U, D
p,p'-DDT	8081A/8082	8,400	1,900	ND	6.9	U, D	ND	6.3	U, D	ND	7.3	U, D	ND	7.2	U, D
Technical Chlordane	8081A/8082	8,200	1,800	ND	31	U, D	ND	29	U, D	ND	34	U, D	ND	33	U, D
Toxaphene	8081A/8082	2,600	580	ND	140	U, D	ND	130	U, D	ND	150	U, D	ND	140	U, D

Table Notes:

D: Sample diluted

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table F (con't): Pesticides - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-30 SS-30 (0-4') 02/04/09			B-31 SS-31 (3-4') 02/04/09			B-32 SS-32 (0-1') 02/04/09			B-33 SS-33 (0-4') 02/04/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Aldrin	8081A/8082	170	38	ND	3.4	U, D	ND	4.1	U, D	ND	3.2	U, D	ND	0.46	
alpha-BHC	8081A/8082	450	100	ND	4.2	U, D	ND	5.0	U, D	ND	3.9	U, D	ND	0.71	
beta-BHC	8081A/8082	1,600	350	ND	4.6	U, D	ND	5.5	U, D	ND	4.4	U, D	ND	0.46	
delta-BHC	8081A/8082	2,200	490	ND	2.8	U, D	ND	3.4	U, D	ND	2.7	U, D	ND	0.35	
Dieldrin	8081A/8082	180	40	ND	5.6	U, D	ND	6.8	U, D	ND	5.3	U, D	ND	0.74	
Endosulfan I	8081A/8082	610,000	47,000	ND	5.6	U, D	ND	6.8	U, D	ND	5.3	U, D	ND	2.6	
Endosulfan II	8081A/8082	610,000	47,000	ND	6.8	U, D	ND	8.1	U, D	ND	6.4	U, D	ND	0.12	
Endosulfan Sulfate	8081A/8082	610,000	47,000	ND	8.2	U, D	ND	9.9	U, D	ND	7.8	U, D	ND	1.3	
Endrin	8081A/8082	31,000	2,300	ND	5.6	U, D	ND	6.8	U, D	ND	5.3	U, D	ND	1.2	
Endrin Aldehyde	8081A/8082	31,000	2,300	ND	17	U, D	ND	20	U, D	ND	16	U, D	ND	0.74	
Endrin Ketone	8081A/8082	31,000	2,300	ND	5.3	U, D	ND	6.3	U, D	ND	5.0	U, D	ND	0.74	
gamma-BHC	8081A/8082	2,200	490	ND	4.6	U, D	ND	5.5	U, D	ND	4.4	U, D	ND	0.71	
Heptachlor	8081A/8082	640	140	ND	4.2	U, D	ND	5.0	U, D	ND	3.9	U, D	ND	0.71	
Heptachlor epoxide	8081A/8082	310	70	ND	2.9	U, D	ND	3.5	U, D	ND	2.8	U, D	ND	0.71	
Methoxychlor	8081A/8082	510,000	39,000	ND	27	U, D	ND	32	U, D	ND	26	U, D	ND	4.9	
p,p'-DDD	8081A/8082	12,000	2,700	ND	6.2	U, D	ND	7.4	U, D	ND	5.9	U, D	ND	0.89	
p,p'-DDE	8081A/8082	8,400	1,900	ND	7.1	U, D	ND	8.5	U, D	ND	6.7	U, D	ND	0.83	
p,p'-DDT	8081A/8082	8,400	1,900	ND	6.6	U, D	ND	7.8	U, D	ND	6.2	U, D	ND	1.1	
Technical Chlordane	8081A/8082	8,200	1,800	ND	30	U, D	ND	36	U, D	ND	28	U, D	ND	0.094	
Toxaphene	8081A/8082	2,600	580	ND	130	U, D	ND	160	U, D	ND	120	U, D	ND	0.033	

Table Notes:

D: Sample diluted

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table F (con't): Pesticides - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-33 SS-33 (0-4') 02/19/09			B-34 SS-34 (4-12') 02/04/09			B-35 SS-35 (2-4') 02/05/09			B-36 SS-36 (0-4') 02/05/09		
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Aldrin	8081A/8082	170	38	ND	3.6	U, D	ND	3.4	U, D	ND	3.5	U, D	ND	3.2	U, D
alpha-BHC	8081A/8082	450	100	ND	4.5	U, D	ND	4.2	U, D	ND	4.3	U, D	ND	3.9	U, D
beta-BHC	8081A/8082	1,600	350	ND	5.0	U, D	ND	4.7	U, D	ND	4.8	U, D	ND	4.3	U, D
delta-BHC	8081A/8082	2,200	490	ND	3.0	U, D	ND	2.9	U, D	ND	2.9	U, D	ND	2.6	U, D
Dieldrin	8081A/8082	180	40	ND	6.1	U, D	ND	5.7	U, D	ND	5.8	U, D	ND	5.3	U, D
Endosulfan I	8081A/8082	610,000	47,000	ND	6.1	U, D	ND	5.7	U, D	ND	5.8	U, D	ND	5.3	U, D
Endosulfan II	8081A/8082	610,000	47,000	ND	7.3	U, D	ND	6.9	U, D	ND	7.0	U, D	ND	6.4	U, D
Endosulfan Sulfate	8081A/8082	610,000	47,000	ND	8.9	U, D	ND	8.3	U, D	ND	8.5	U, D	ND	7.7	U, D
Endrin	8081A/8082	31,000	2,300	ND	6.1	U, D	ND	5.7	U, D	ND	5.8	U, D	ND	5.3	U, D
Endrin Aldehyde	8081A/8082	31,000	2,300	ND	18	U, D	ND	17	U, D	ND	17	U, D	ND	16	U, D
Endrin Ketone	8081A/8082	31,000	2,300	ND	5.7	U, D	ND	5.4	U, D	ND	5.5	U, D	ND	5.0	U, D
gamma-BHC	8081A/8082	2,200	490	ND	5.0	U, D	ND	4.7	U, D	ND	4.8	U, D	ND	4.3	U, D
Heptachlor	8081A/8082	640	140	ND	4.5	U, D	ND	4.2	U, D	ND	4.3	U, D	ND	3.9	U, D
Heptachlor epoxide	8081A/8082	310	70	ND	3.2	U, D	ND	3.0	U, D	ND	3.0	U, D	ND	2.8	U, D
Methoxychlor	8081A/8082	510,000	39,000	ND	29	U, D	ND	27	U, D	ND	28	U, D	ND	25	U, D
p,p'-DDD	8081A/8082	12,000	2,700	ND	6.7	U, D	ND	6.3	U, D	ND	6.4	U, D	ND	5.8	U, D
p,p'-DDE	8081A/8082	8,400	1,900	ND	7.7	U, D	ND	7.2	U, D	ND	7.3	U, D	ND	6.7	U, D
p,p'-DDT	8081A/8082	8,400	1,900	ND	7.0	U, D	ND	6.6	U, D	ND	6.8	U, D	ND	6.1	U, D
Technical Chlordane	8081A/8082	8,200	1,800	ND	32	U, D	ND	30	U, D	ND	31	U, D	ND	28	U, D
Toxaphene	8081A/8082	2,600	580	ND	140	U, D	ND	130	U, D	ND	140	U, D	ND	120	U, D

Table Notes:

D: Sample diluted

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table F (con't): Pesticides - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-37 SS-37 (0-4') 02/04/09			B-38 SS-38 (0-4') 02/04/09			B-39 SS-39 (0-1.5') 02/19/09					
				Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier			
Aldrin	8081A/8082	170	38	ND	3.3	U, D	ND	3.4	U, D	ND	3.5	U, D			
alpha-BHC	8081A/8082	450	100	ND	4.1	U, D	ND	4.2	U, D	ND	4.4	U, D			
beta-BHC	8081A/8082	1,600	350	ND	4.5	U, D	ND	4.7	U, D	ND	4.8	U, D			
delta-BHC	8081A/8082	2,200	490	ND	2.8	U, D	ND	2.9	U, D	ND	2.9	U, D			
Dieldrin	8081A/8082	180	40	ND	5.5	U, D	ND	5.7	U, D	ND	5.9	U, D			
Endosulfan I	8081A/8082	610,000	47,000	ND	5.5	U, D	ND	5.7	U, D	ND	5.9	U, D			
Endosulfan II	8081A/8082	610,000	47,000	ND	6.6	U, D	ND	6.9	U, D	ND	7.1	U, D			
Endosulfan Sulfate	8081A/8082	610,000	47,000	ND	8.0	U, D	ND	8.3	U, D	ND	8.6	U, D			
Endrin	8081A/8082	31,000	2,300	ND	5.5	U, D	ND	5.7	U, D	ND	5.9	U, D			
Endrin Aldehyde	8081A/8082	31,000	2,300	ND	17	U, D	ND	17	U, D	ND	18	U, D			
Endrin Ketone	8081A/8082	31,000	2,300	ND	5.2	U, D	ND	5.4	U, D	ND	5.5	U, D			
gamma-BHC	8081A/8082	2,200	490	ND	4.5	U, D	ND	4.7	U, D	ND	4.8	U, D			
Heptachlor	8081A/8082	640	140	ND	4.1	U, D	ND	4.2	U, D	ND	4.4	U, D			
Heptachlor epoxide	8081A/8082	310	70	ND	2.9	U, D	ND	3.0	U, D	ND	3.1	U, D			
Methoxychlor	8081A/8082	510,000	39,000	ND	26	U, D	ND	27	U, D	ND	28	U, D			
p,p'-DDD	8081A/8082	12,000	2,700	ND	6.1	U, D	ND	6.3	U, D	ND	6.5	U, D			
p,p'-DDE	8081A/8082	8,400	1,900	ND	6.9	U, D	ND	7.2	U, D	ND	7.4	U, D			
p,p'-DDT	8081A/8082	8,400	1,900	ND	6.4	U, D	ND	6.6	U, D	ND	6.8	U, D			
Technical Chlordane	8081A/8082	8,200	1,800	ND	29	U, D	ND	30	U, D	ND	31	U, D			
Toxaphene	8081A/8082	2,600	580	ND	130	U, D	ND	130	U, D	ND	140	U, D			

Table Notes:

D: Sample diluted

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table F (con't): Pesticides - Analytical Results (Soil)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Soils (Non-Residential) (µg/kg)	MDE Cleanup Standard for Soils (Residential) (µg/kg)	Boring Number / Sample Number / Depth / Date											
				B-37 SS-DUP02 (0-4') 02/04/09			B-35 SS-DUP03 (2-4') 02/05/09								
				Result	MDL	Qualifier	Result	MDL	Qualifier						
Aldrin	8081A/8082	170	38	ND	3.3	U, D	ND	3.5	U, D						
alpha-BHC	8081A/8082	450	100	ND	4.1	U, D	ND	4.3	U, D						
beta-BHC	8081A/8082	1,600	350	ND	4.6	U, D	ND	4.8	U, D						
delta-BHC	8081A/8082	2,200	490	ND	2.8	U, D	ND	2.9	U, D						
Dieldrin	8081A/8082	180	40	ND	5.6	U, D	ND	5.8	U, D						
Endosulfan I	8081A/8082	610,000	47,000	ND	5.6	U, D	ND	5.8	U, D						
Endosulfan II	8081A/8082	610,000	47,000	ND	6.7	U, D	ND	7.0	U, D						
Endosulfan Sulfate	8081A/8082	610,000	47,000	ND	8.1	U, D	ND	8.5	U, D						
Endrin	8081A/8082	31,000	2,300	ND	5.6	U, D	ND	5.8	U, D						
Endrin Aldehyde	8081A/8082	31,000	2,300	ND	17	U, D	ND	17	U, D						
Endrin Ketone	8081A/8082	31,000	2,300	ND	5.2	U, D	ND	5.5	U, D						
gamma-BHC	8081A/8082	2,200	490	ND	4.6	U, D	ND	4.8	U, D						
Heptachlor	8081A/8082	640	140	ND	4.1	U, D	ND	4.3	U, D						
Heptachlor epoxide	8081A/8082	310	70	ND	2.9	U, D	ND	3.0	U, D						
Methoxychlor	8081A/8082	510,000	39,000	ND	27	U, D	ND	28	U, D						
p,p'-DDD	8081A/8082	12,000	2,700	ND	6.1	U, D	ND	6.4	U, D						
p,p'-DDE	8081A/8082	8,400	1,900	ND	7.0	U, D	ND	7.3	U, D						
p,p'-DDT	8081A/8082	8,400	1,900	ND	6.5	U, D	ND	6.7	U, D						
Technical Chlordane	8081A/8082	8,200	1,800	ND	30	U, D	ND	31	U, D						
Toxaphene	8081A/8082	2,600	580	ND	130	U, D	ND	140	U, D						

Table Notes:

D: Sample diluted

U: Sample concentration is less than the MDL

MDL: Method Detection Limit

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Blue bolded items indicate concentrations detected above the Residenital MDE CUS, but below the Non-Residenital MDE CUS.

Red bolded items indicate concentrations detected above the Non-Residenital MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table G: Volatile Organic Compounds (VOCs) - Analytical Results (Groundwater)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Type I and II Aquifers (µg/L)	Sample Number / Date											
			GW-10 02/05/09			GW-11 02/05/09			GW-12 02/13/09			GW-13 02/13/09		
			Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,1,1-Trichloroethane	8260B	200	**4.9**	0.25		ND	0.25	U	ND	0.25	U	ND	0.25	U
1,1,2,2-Tetrachloroethane	8260B	0.053	ND	0.57	U	ND	0.57	U	ND	0.57	U	ND	0.57	U
1,1,2,2-Tetrachloroethylene (PCE)	8260B	5	**25**	0.43		**4.2**	0.43		ND	0.43	U	ND	0.43	U
1,1,2-Trichloroethane	8260B	5	ND	0.46	U	**1.4**	0.46		ND	0.46	U	ND	0.46	U
1,1,2-Trichloroethylene (TCE)	8260B	5	**47**	0.33		**3800**			ND	0.33	U	**6.7**	0.33	
1,1-Dichloroethane	8260B	90	ND	0.30	U	ND	0.30	U	ND	0.30	U	ND	0.30	U
1,1-Dichloroethylene	8260B	7	ND	0.30	U	**5.3**	0.30		ND	0.30	U	ND	0.30	U
1,2-Dibromo-3-chloropropane	8260B	--	ND	0.83	U	ND	0.83	U	ND	0.83	U	ND	0.83	U
1,2-Dibromoethane	8260B	0.05	ND	0.39	U	ND	0.39	U	ND	0.39	U	ND	0.39	U
1,2-Dichloroethane	8260B	5	ND	0.34	U	ND	0.34	U	ND	0.34	U	ND	0.34	U
1,2-Dichloropropane	8260B	5	ND	0.36	U	ND	0.36	U	ND	0.36	U	ND	0.36	U
Acetone	8260B	550	ND	3.0	U	ND	3.0	U	ND	3.0	U	ND	3.0	U
Benzene	8260B	5	ND	0.30	U	ND	0.30	U	ND	0.30	U	ND	0.30	U
Bromodichloromethane	8260B	80	ND	0.20	U	ND	0.20	U	ND	0.20	U	ND	0.20	U
Bromoform	8260B	80	ND	0.43	U	ND	0.43	U	ND	0.43	U	ND	0.43	U
Bromomethane	8260B	0.85	ND	0.83	U	ND	0.83	U	ND	0.83	U	ND	0.83	U
Carbon Disulfide	8260B	100	ND	0.33	U	ND	0.33	U	ND	0.33	U	ND	0.33	U
Carbon Tetrachloride	8260B	5	ND	0.21	U	ND	0.21	U	ND	0.21	U	ND	0.21	U
Chlorobenzene	8260B	100	ND	0.43	U	ND	0.43	U	ND	0.43	U	ND	0.43	U
Chloroethane	8260B	3.6	ND	0.29	U	ND	0.29	U	ND	0.29	U	ND	0.29	U
Chloroform	8260B	80	**1.9**	0.35		**2.6**	0.35		ND	0.35	U	ND	0.35	U
Chloromethane	8260B	19	ND	0.36	U	ND	0.36	U	ND	0.36	U	ND	0.36	U
cis-1,2-Dichloroethylene	8260B	70	ND	0.27	U	**420**			ND	0.27	U	**0.76**	0.27	J
cis-1,3-Dichloropropylene	8260B	0.44	ND	0.36	U	ND	0.36	U	ND	0.36	U	ND	0.36	U
Dibromochloromethane	8260B	80	ND	0.35	U	ND	0.35	U	ND	0.35	U	ND	0.35	U
Ethylbenzene	8260B	700	ND	0.49	U	ND	0.49	U	ND	0.49	U	ND	0.49	U
Isopropylbenzene	8260B	66	ND	0.52	U	ND	0.52	U	ND	0.52	U	**8.0**	0.52	
m,p-Xylene	8260B	--	ND	0.95	U	ND	0.95	U	ND	0.95	U	ND	0.95	U
Methyl Ethyl Ketone	8260B	700	ND	2.3	U	ND	2.3	U	ND	2.3	U	ND	2.3	U
Methyl Isobutyl Ketone	8260B	630	ND	2.2	U	ND	2.2	U	ND	2.2	U	ND	2.2	U
Methylene Chloride	8260B	5	**1.0**	0.29		**0.47**	0.29	J	**0.82**	0.29	J	ND	0.29	U
Methyl-tert-Butyl-Ether	8260B	20	ND	0.19	U	ND	0.19	U	ND	0.19	U	**2.2**	0.19	
o-Xylene	8260B	--	ND	0.46	U	ND	0.46	U	ND	0.46	U	ND	0.46	U
Styrene	8260B	100	ND	0.48	U	ND	0.48	U	ND	0.48	U	ND	0.48	U
Toluene	8260B	1000	ND	0.40	U	**0.43**	0.40	J	ND	0.40	U	ND	0.40	U
Total Xylenes	8260B	10,000	ND		U	ND		U	**0.32**		J	**0.33**		J
trans-1,2-Dichloroethylene	8260B	100	ND	0.27	U	**4.7**	0.27		ND	0.27	U	ND	0.27	U
trans-1,3-Dichloropropylene	8260B	0.44	ND	0.32	U	ND	0.32	U	ND	0.32	U	ND	0.32	U
Vinyl Chloride	8260B	2	ND	0.25	U	**17**	0.25		ND	0.25	U	ND	0.25	U

Table Notes:

MDL: Method Detection Limt

ND: Not Detected

J: Analyte concentration is greater than the MDL but less than the reporting limit.

U: Sample concentration is less than the MDL.

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Red bolded items indicate concentrations detected above the applicable MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table G (con't): Volatile Organic Compounds (VOCs) - Analytical Results (Groundwater)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Type I and II Aquifers (µg/L)	Sample Number / Date											
			GW-MW1A 02/13/09			GW-MW5 02/13/09			GW-MS01 02/13/09			GW-DUP02 02/13/09		
			Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,1,1-Trichloroethane	8260B	200	**2.9**	0.25		**15**	0.25		**15**	0.25		**2.5**	0.25	
1,1,2,2-Tetrachloroethane	8260B	0.053	ND	0.57	U	ND	0.57	U	ND	0.57	U	ND	0.57	U
1,1,2,2-Tetrachloroethylene (PCE)	8260B	5	**15**	0.43		**500**		A12, D	**540**		A12, D	**13**	0.43	
1,1,2-Trichloroethane	8260B	5	ND	0.46	U	ND	0.46	U	ND	0.46	U	ND	0.46	U
1,1,2-Trichloroethylene (TCE)	8260B	5	**17**	0.33		**520**		A12, D	**530**		A12, D	**15**	0.33	
1,1-Dichloroethane	8260B	90	**1.2**	0.30		**24**	0.30		**24**	0.30		1.0	0.30	
1,1-Dichloroethylene	8260B	7	ND	0.30	U	**8.3**	0.30		**7.8**	0.30		ND	0.30	U
1,2-Dibromo-3-chloropropane	8260B	--	ND	0.83	U	ND	0.83	U	ND	0.83	U	ND	0.83	U
1,2-Dibromoethane	8260B	0.05	ND	0.39	U	ND	0.39	U	ND	0.39	U	ND	0.39	U
1,2-Dichloroethane	8260B	5	ND	0.34	U	ND	0.34	U	ND	0.34	U	ND	0.34	U
1,2-Dichloropropane	8260B	5	ND	0.36	U	ND	0.36	U	ND	0.36	U	ND	0.36	U
Acetone	8260B	550	ND	3.0	U	ND	3.0	U	ND	3.0	U	ND	3.0	U
Benzene	8260B	5	ND	0.30	U	**2.0**	0.30		**2.0**	0.30		ND	0.30	U
Bromodichloromethane	8260B	80	ND	0.20	U	ND	0.20	U	ND	0.20	U	ND	0.20	U
Bromoform	8260B	80	ND	0.43	U	ND	0.43	U	ND	0.43	U	ND	0.43	U
Bromomethane	8260B	0.85	ND	0.83	U	ND	0.83	U	ND	0.83	U	ND	0.83	U
Carbon Disulfide	8260B	100	ND	0.33	U	ND	0.33	U	ND	0.33	U	ND	0.33	U
Carbon Tetrachloride	8260B	5	**3.4**	0.21		ND	0.21	U	ND	0.21	U	**3.2**	0.21	
Chlorobenzene	8260B	100	ND	0.43	U	ND	0.43	U	ND	0.43	U	ND	0.43	U
Chloroethane	8260B	3.6	ND	0.29	U	ND	0.29	U	ND	0.29	U	ND	0.29	U
Chloroform	8260B	80	**7.8**	0.35		**2.5**	0.35		**2.6**	0.35		**7.4**	0.35	
Chloromethane	8260B	19	ND	0.36	U	ND	0.36	U	ND	0.36	U	ND	0.36	U
cis-1,2-Dichloroethylene	8260B	70	**7.8**	0.27		**310**		A12, D	**320**	0.36	A12, D	**7.2**	0.27	
cis-1,3-Dichloropropylene	8260B	0.44	ND	0.36	U	ND	0.36	U	ND			ND	0.36	U
Dibromochloromethane	8260B	80	ND	0.35	U	ND	0.35	U	ND	0.35	U	ND	0.35	U
Ethylbenzene	8260B	700	ND	0.49	U	ND	0.49	U	ND	0.49	U	ND	0.49	U
Isopropylbenzene	8260B	66	ND	0.52	U	ND	0.52	U	ND	0.52	U	**ND**	0.52	U
m,p-Xylene	8260B	--	ND	0.95	U	ND	0.95	U	ND	0.95	U	ND	0.95	U
Methyl Ethyl Ketone	8260B	700	ND	2.3	U	ND	2.3	U	ND	2.3	U	ND	2.3	U
Methyl Isobutyl Ketone	8260B	630	ND	2.2	U	ND	2.2	U	ND	2.2	U	ND	2.2	U
Methylene Chloride	8260B	5	ND	0.29	U	**1.1**	0.29		**1.1**	0.29		ND	0.29	U
Methyl-tert-Butyl-Ether	8260B	20	ND	0.19	U	ND	0.19	U	ND	0.19	U	**ND**	0.19	U
o-Xylene	8260B	--	ND	0.46	U	**0.57**	0.46	J	0.57	0.46	J	ND	0.46	U
Styrene	8260B	100	ND	0.48	U	ND	0.48	U	ND	0.48	U	ND	0.48	U
Toluene	8260B	1000	ND	0.40	U	ND	0.40	U	ND	0.40	U	ND	0.40	U
Total Xylenes	8260B	10,000	ND		U	**0.57**		J	**0.57**		J	**ND**		U
trans-1,2-Dichloroethylene	8260B	100	ND	0.27	U	**13**	0.27		**13**	0.27		ND	0.27	U
trans-1,3-Dichloropropylene	8260B	0.44	ND	0.32	U	ND	0.32	U	ND	0.32	U	ND	0.32	U
Vinyl Chloride	8260B	2	ND	0.25	U	**57**	0.25		**58**	0.25		ND	0.25	U

Table Notes:

MDL: Method Detection Limt

ND: Not Detected

A12: Sample Analyzed with headspace.

D: Sample diluted

J: Analyte concentration is greater than the MDL but less than the reporting limit.

U: Sample concentration is less than the MDL.

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Red bolded items indicate concentrations detected above the applicable MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table G (con't): Volatile Organic Compounds (VOCs) - Analytical Results (Groundwater)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Type I and II Aquifers	Sample Number / Date											
			Trip Blank 02/02/09			Trip Blank-1 02/02/09			Trip Blank-2 02/02/09					
		(µg/L)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier			
1,1,1-Trichloroethane	8260B	200	ND	0.25	H1, U	ND	0.25	U	ND	0.25	U			
1,1,2,2-Tetrachloroethane	8260B	0.053	ND	0.57	H1, U	ND	0.57	U	ND	0.57	U			
1,1,2,2-Tetrachloroethylene (PCE)	8260B	5	ND	0.43	H1, U	ND	0.43	U	ND	0.43	U			
1,1,2-Trichloroethane	8260B	5	ND	0.46	H1, U	ND	0.46	U	ND	0.46	U			
1,1,2-Trichloroethylene (TCE)	8260B	5	ND	0.33	H1, U	ND	0.33	U	ND	0.33	U			
1,1-Dichloroethane	8260B	90	ND	0.30	H1, U	ND	0.30	U	ND	0.30	U			
1,1-Dichloroethylene	8260B	7	ND	0.30	H1, U	ND	0.30	U	ND	0.30	U			
1,2-Dibromo-3-chloropropane	8260B	--	ND	0.83	H1, U	ND	0.83	U	ND	0.83	U			
1,2-Dibromoethane	8260B	0.05	ND	0.39	H1, U	ND	0.39	U	ND	0.39	U			
1,2-Dichloroethane	8260B	5	ND	0.34	H1, U	ND	0.34	U	ND	0.34	U			
1,2-Dichloropropane	8260B	5	ND	0.36	H1, U	ND	0.36	U	ND	0.36	U			
Acetone	8260B	550	ND	3.0	H1, U	ND	3.0	U	ND	3.0	U			
Benzene	8260B	5	ND	0.30	H1, U	ND	0.30	U	ND	0.30	U			
Bromodichloromethane	8260B	80	ND	0.20	H1, U	ND	0.20	U	ND	0.20	U			
Bromoform	8260B	80	ND	0.43	H1, U	ND	0.43	U	ND	0.43	U			
Bromomethane	8260B	0.85	ND	0.83	H1, U	ND	0.83	U	ND	0.83	U			
Carbon Disulfide	8260B	100	ND	0.33	H1, U	ND	0.33	U	ND	0.33	U			
Carbon Tetrachloride	8260B	5	ND	0.21	H1, U	ND	0.21	U	ND	0.21	U			
Chlorobenzene	8260B	100	ND	0.43	H1, U	ND	0.43	U	ND	0.43	U			
Chloroethane	8260B	3.6	ND	0.29	H1, U	ND	0.29	U	ND	0.29	U			
Chloroform	8260B	80	ND	0.35	H1, U	**0.58**	0.35	J	ND	0.35	U			
Chloromethane	8260B	19	ND	0.36	H1, U	ND	0.36	U	ND	0.36	U			
cis-1,2-Dichloroethylene	8260B	70	ND	0.27	H1, U	ND	0.27	U	ND	0.27	U			
cis-1,3-Dichloropropylene	8260B	0.44	ND	0.36	H1, U	ND	0.36	U	ND	0.36	U			
Dibromochloromethane	8260B	80	ND	0.35	H1, U	ND	0.35	U	ND	0.35	U			
Ethylbenzene	8260B	700	ND	0.49	H1, U	ND	0.49	U	ND	0.49	U			
Isopropylbenzene	8260B	66	ND	0.52	H1, U	ND	0.52	U	ND	0.52	U			
m,p-Xylene	8260B	--	ND	0.95	H1, U	ND	0.95	U	ND	0.95	U			
Methyl Ethyl Ketone	8260B	700	ND	2.3	H1, U	ND	2.3	U	ND	2.3	U			
Methyl Isobutyl Ketone	8260B	630	ND	2.2	H1, U	ND	2.2	U	ND	2.2	U			
Methylene Chloride	8260B	5	ND	0.29	H1, U	**5.1**	0.29		**0.53**	0.29	J			
Methyl-tert-Butyl-Ether	8260B	20	ND	0.19	H1, U	ND	0.19	U	ND	0.19	U			
o-Xylene	8260B	--	ND	0.46	H1, U	ND	0.46	U	ND	0.46	U			
Styrene	8260B	100	ND	0.48	H1, U	ND	0.48	U	ND	0.48	U			
Toluene	8260B	1000	ND	0.40	H1, U	ND	0.40	U	ND	0.40	U			
Total Xylenes	8260B	10,000	ND		H1, U	ND		U	ND		U			
trans-1,2-Dichloroethylene	8260B	100	ND	0.27	H1, U	ND	0.27	U	ND	0.27	U			
trans-1,3-Dichloropropylene	8260B	0.44	ND	0.32	H1, U	ND	0.32	U	ND	0.32	U			
Vinyl Chloride	8260B	2	ND	0.25	H1, U	ND	0.25	U	ND	0.25	U			

Table Notes:

MDL: Method Detection Limt

ND: Not Detected

H1: Sample analyzed past maximun recommended holding time.

J: Analyte concentration is greater than the MDL but less than the reporting limit.

U: Sample concentration is less than the MDL.

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Red bolded items indicate concentrations detected above the applicable MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table G (con't): Volatile Organic Compounds (VOCs) - Analytical Results (Groundwater)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Type I and II Aquifers (µg/L)	Sample Number / Date											
			Field Blank 02/13/09			Field Blank-1 02/04/09			Field Blank-2 02/05/09					
			Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,1,1-Trichloroethane	8260B	200	ND	0.25	U	ND	0.25	U	ND	0.25	U			
1,1,2,2-Tetrachloroethane	8260B	0.053	ND	0.57	U	ND	0.57	U	ND	0.57	U			
1,1,2,2-Tetrachloroethylene (PCE)	8260B	5	ND	0.43	U	ND	0.43	U	ND	0.43	U			
1,1,2-Trichloroethane	8260B	5	ND	0.46	U	ND	0.46	U	ND	0.46	U			
1,1,2-Trichloroethylene (TCE)	8260B	5	ND	0.33	U	ND	0.33	U	ND	0.33	U			
1,1-Dichloroethane	8260B	90	ND	0.30	U	ND	0.30	U	ND	0.30	U			
1,1-Dichloroethylene	8260B	7	ND	0.30	U	ND	0.30	U	ND	0.30	U			
1,2-Dibromo-3-chloropropane	8260B	--	ND	0.83	U	ND	0.83	U	ND	0.83	U			
1,2-Dibromoethane	8260B	0.05	ND	0.39	U	ND	0.39	U	ND	0.39	U			
1,2-Dichloroethane	8260B	5	ND	0.34	U	ND	0.34	U	ND	0.34	U			
1,2-Dichloropropane	8260B	5	ND	0.36	U	ND	0.36	U	ND	0.36	U			
Acetone	8260B	550	ND	3.0	U	ND	3.0	U	ND	3.0	U			
Benzene	8260B	5	ND	0.30	U	ND	0.30	U	ND	0.30	U			
Bromodichloromethane	8260B	80	ND	0.20	U	ND	0.20	U	ND	0.20	U			
Bromoform	8260B	80	ND	0.43	U	ND	0.43	U	ND	0.43	U			
Bromomethane	8260B	0.85	ND	0.83	U	ND	0.83	U	ND	0.83	U			
Carbon Disulfide	8260B	100	ND	0.33	U	ND	0.33	U	ND	0.33	U			
Carbon Tetrachloride	8260B	5	ND	0.21	U	ND	0.21	U	ND	0.21	U			
Chlorobenzene	8260B	100	ND	0.43	U	ND	0.43	U	ND	0.43	U			
Chloroethane	8260B	3.6	ND	0.29	U	ND	0.29	U	ND	0.29	U			
Chloroform	8260B	80	ND	0.35	U	ND	0.35	U	ND	0.35	U			
Chloromethane	8260B	19	ND	0.36	U	ND	0.36	U	ND	0.36	U			
cis-1,2-Dichloroethylene	8260B	70	ND	0.27	U	ND	0.27	U	ND	0.27	U			
cis-1,3-Dichloropropylene	8260B	0.44	ND	0.36	U	ND	0.36	U	ND	0.36	U			
Dibromochloromethane	8260B	80	ND	0.35	U	ND	0.35	U	ND	0.35	U			
Ethylbenzene	8260B	700	ND	0.49	U	ND	0.49	U	ND	0.49	U			
Isopropylbenzene	8260B	66	ND	0.52	U	ND	0.52	U	ND	0.52	U			
m,p-Xylene	8260B	--	ND	0.95	U	ND	0.95	U	ND	0.95	U			
Methyl Ethyl Ketone	8260B	700	ND	2.3	U	ND	2.3	U	ND	2.3	U			
Methyl Isobutyl Ketone	8260B	630	ND	2.2	U	ND	2.2	U	ND	2.2	U			
Methylene Chloride	8260B	5	**0.34**	0.29	J	**0.36**	0.29	J	ND	0.29	U			
Methyl-tert-Butyl-Ether	8260B	20	ND	0.19	U	ND	0.19	U	ND	0.19	U			
o-Xylene	8260B	--	ND	0.46	U	ND	0.46	U	ND	0.46	U			
Styrene	8260B	100	ND	0.48	U	ND	0.48	U	ND	0.48	U			
Toluene	8260B	1000	ND	0.40	U	ND	0.40	U	ND	0.40	U			
Total Xylenes	8260B	10,000	ND		U	ND		U	ND		U			
trans-1,2-Dichloroethylene	8260B	100	ND	0.27	U	ND	0.27	U	ND	0.27	U			
trans-1,3-Dichloropropylene	8260B	0.44	ND	0.32	U	ND	0.32	U	ND	0.32	U			
Vinyl Chloride	8260B	2	ND	0.25	U	ND	0.25	U	ND	0.25	U			

Table Notes:

MDL: Method Detection Limt

ND: Not Detected

J: Analyte concentration is greater than the MDL but less than the reporting limit.

U: Sample concentration is less than the MDL.

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Red bolded items indicate concentrations detected above the applicable MDE CUS.

Gateway South - ... ase II Site Assessment

Table H: Semi-Volatile Organic Compounds (SVOCs) - Analytical Results (Groundwater)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Type I and II Aquifers	Sample Number / Date											
			GW-10 02/05/09			GW-11 02/05/09			GW-12 02/13/09			GW-13 02/13/09		
		(µg/L)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,2,4-Trichlorobenzene	8270C	70	ND	3.4	U	ND	3.4	U	ND	0.91		ND	0.91	
1,2-Dichlorobenzene	8270C	600	ND	3.0	U	ND	3.0	U	ND	0.71		ND	0.71	
1,3-Dichlorobenzene	8270C	1.8	ND	3.1	U	ND	3.1	U	ND	0.81		ND	0.81	
1,4-Dichlorobenzene	8270C	75	ND	3.0	U	ND	3.0	U	ND	0.91		ND	0.91	
2,4,5-Trichlorophenol	8270C	370	ND	1.6	U	ND	1.6	U	ND	1.5		ND	1.5	
2,4,6-Trichlorophenol	8270C	6.1	ND	2.2	U	ND	2.2	U	ND	0.91		ND	0.91	
2,4-Dichlorophenol	8270C	11	ND	3.2	U	ND	3.2	U	ND	0.71		ND	0.71	
2,4-Dimethylphenol	8270C	73	ND	4.0	U	ND	4.0	U	ND	0.81		ND	0.81	
2,4-Dinitrophenol	8270C	7.3	ND	9.1	U	ND	9.1	U	ND	9.5		ND	9.5	
2,4-Dinitrotoluene	8270C	7.3	ND	1.9	U	ND	1.9	U	ND	0.81		ND	0.81	
2,6-Dinitrotoluene	8270C	3.7	ND	2.4	U	ND	2.4	U	ND	1.1		ND	1.1	
2-Chloronaphthalene	8270C	49	ND	3.6	U	ND	3.6	U	ND	0.91		ND	0.91	
2-Chlorophenol	8270C	3	ND	2.6	U	ND	2.6	U	ND	0.71		ND	0.71	
2-Methylnaphthalene	8270C	2.4	ND	2.9	U	ND	2.9	U	ND	0.91		**77**	0.91	
2-Methylphenol	8270C	180	ND	5.1	U	ND	5.1	U	ND	0.71		ND	0.71	
3,3'-Dichlorobenzidine	8270C	0.15	ND	7.1	U	ND	7.1	U	ND	0.71		ND	0.71	
4-Chloroaniline	8270C	15	ND	7.3	U	ND	7.3	U	ND	1		ND	1	
4-Methylphenol, 3-Methylphenol	8270C	18	ND	5.0	U	ND	5.0	U	ND	0.81		ND	0.81	
Acenaphthene	8270C	37	ND	3.2	U	ND	3.2	U	ND	0.81		**3.4**	0.81	
Acenaphthylene	8270C	37	ND	3.2	U	ND	3.2	U	ND	0.71		ND	0.71	
Anthracene	8270C	180	ND	2.4	U	ND	2.4	U	ND	0.91		ND	0.91	
Benz(a)anthracene	8270C	0.2	ND	1.6	U	ND	1.6	U	ND	0.81		ND	0.81	
Benzo[a]pyrene	8270C	0.2	ND	1.6	U	ND	1.6	U	ND	0.91		ND	0.91	
Benzo[b]fluoranthene	8270C	0.2	ND	1.7	U	ND	1.7	U	ND	1.6		ND	1.6	
Benzo[g,h,i]perylene	8270C	18	ND	1.6	U	ND	1.6	U	ND	1		ND	1	
Benzo[k]fluoranthene	8270C	0.3	ND	2.1	U	ND	2.1	U	ND	2.2		ND	2.2	
Bis(2-Chloroethyl)ether	8270C	0.0096	ND	1.6	U	ND	1.6	U	ND	0.91		ND	0.91	
Bis(2-chloroisopropyl)ether	8270C	0.26	ND	8.2	U	ND	8.2	U	ND	0.91		ND	0.91	
Bis(2-Ethylhexyl)phthalate	8270C	6	ND	2.6	U	ND	2.6	U	**1.6**	1.1		**3**	1.1	
Carbazole	8270C	3.3	ND	3.7	U	ND	3.7	U	ND	1.2		ND	1.2	
Chrysene	8270C	3	ND	1.5	U	ND	1.5	U	ND	1		ND	1	
Di(2-ethylhexyl) phthalate	8270C	--	NA			NA			**1.6**	1.1		**3**	1.1	
Dibenz[a,h]anthracene	8270C	0.2	ND	1.2	U	ND	1.2	U	ND	0.91		ND	0.91	
Dibenzofuran	8270C	3.7	ND	3.0	U	ND	3.0	U	ND	0.91		**2.6**	0.81	
Diethylphthalate	8270C	2900	**23**	2.4	B	**20**	2.4	B	ND	0.81		ND	1.1	
Di-n-butylphthalate	8270C	370	ND	1.9	U	ND	1.9	U	ND	1.1		ND	1.2	
Fluoranthene	8270C	150	ND	2.2	U	ND	2.2	U	ND	1.2		ND	1	
Fluorene	8270C	24	ND	2.8	U	ND	2.8	U	ND	1		**6**	1	
Hexachlorobenzene	8270 C	1	ND	2.4	U	ND	2.4	U	ND	1		ND	0.91	
Hexachlorobutadiene	8270C	0.86	ND	4.2	U	ND	4.2	U	ND	0.91		ND	0.91	
Hexachlorocyclopentadiene	8270C	50	ND	4.7	U	ND	4.7	U	ND	0.91		ND	0.61	
Hexachloroethane	8270C	4.8	ND	3.2	U	ND	3.2	U	ND	0.61		ND	0.91	
Indeno[1,2,3-cd]pyrene	8270C	0.2	ND	4.6	U	ND	4.6	U	ND	0.91		ND	1	
Isophorone	8270C	70	ND	1.9	U	ND	1.9	U	ND	1		ND	1	
Naphthalene	8270C	0.65	ND	3.3	U	ND	3.3	U	ND	1		ND	0.71	
Nitrobenzene	8270C	0.35	ND	1.8	U	ND	1.8	U	ND	1		ND	1	
N-Nitroso-di-n-propylamine	8270C	0.0096	ND	2.1	U	ND	2.1	U	ND	1		ND	1	
N-Nitrosodiphenylamine	8270C	14	ND	2.7	U	ND	2.7	U	ND	0.71		ND	0.71	
Pentachlorophenol	8270C	1	ND	12	U	ND	12	U	ND	1.3		ND	1.3	
Phenanthrene	8270C	180	ND	2.4	U	ND	2.4	U	ND	0.81		**6.4**	0.81	
Phenol	8270C	1100	ND	1.2	U	ND	1.2	U	ND	0.4		ND	0.4	
Pyrene	8270C	18	ND	1.8	U	ND	1.8	U	ND	0.91		ND	0.91	

Table Notes:

MDL: Method Detection Limt

NA: Not Analyzed

ND: Not Detected

B: Analyte is found in method blank.

U: Sample concentration is less than the MDL.

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Red bolded items indicate concentrations detected above the applicable MDE CUS.

Gateway South - Phase II Site Assessment

Table H (con't): Semi-Volatile Organic Compounds (SVOCs) - Analytical Results (Groundwater)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Type I and II Aquifers	Sample Number / Date											
			GW-MW1A 02/13/09			GW-MW5 02/13/09			GW-MS01 02/13/09			GW-DUP02 02/13/09		
		(µg/L)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,2,4-Trichlorobenzene	8270C	70	ND	0.88		ND	0.88		ND	0.88		ND	0.88	
1,2-Dichlorobenzene	8270C	600	ND	0.69					**15**	0.69		ND	0.69	
1,3-Dichlorobenzene	8270C	1.8	ND	0.78		ND	0.78		ND	0.78		ND	0.78	
1,4-Dichlorobenzene	8270C	75	ND	0.88		ND	0.88		ND	0.88		ND	0.88	
2,4,5-Trichlorophenol	8270C	370	ND	1.5		ND	1.5		ND	1.5		ND	1.5	
2,4,6-Trichlorophenol	8270C	6.1	ND	0.88		ND	0.88		ND	0.88		ND	0.88	
2,4-Dichlorophenol	8270C	11	ND	0.69		ND	0.69		ND	0.69		ND	0.69	
2,4-Dimethylphenol	8270C	73	ND	0.78		ND	0.78		ND	0.78		ND	0.78	
2,4-Dinitrophenol	8270C	7.3	ND	9.2		ND	9.2		ND	9.2		ND	9.2	
2,4-Dinitrotoluene	8270C	7.3	ND	0.78		ND	0.78		ND	0.78		ND	0.78	
2,6-Dinitrotoluene	8270C	3.7	ND	1.1		ND	1.1		ND	1.1		ND	1.1	
2-Chloronaphthalene	8270C	49	ND	0.88		ND	0.88		ND	0.88		ND	0.88	
2-Chlorophenol	8270C	3	ND	0.69		ND	0.69		ND	0.69		ND	0.69	
2-Methylnaphthalene	8270C	2.4	ND	0.88		ND	0.88		ND	0.88		ND	0.88	
2-Methylphenol	8270C	180	ND	0.69		ND	0.69		ND	0.69		ND	0.69	
3,3'-Dichlorobenzidine	8270C	0.15	ND	0.69		ND	0.69		ND	0.69		ND	0.69	
4-Chloroaniline	8270C	15	ND	0.98		ND	0.98		ND	0.98		ND	0.98	
4-Methylphenol, 3-Methylphenol	8270C	18	ND	0.78		ND	0.78		ND	0.78		ND	0.78	
Acenaphthene	8270C	37	ND	0.78		ND	0.78		ND	0.78		ND	0.78	
Acenaphthylene	8270C	37	ND	0.69		ND	0.69		ND	0.69		ND	0.69	
Anthracene	8270C	180	ND	0.88		ND	0.88		ND	0.88		ND	0.88	
Benz(a)anthracene	8270C	0.2	ND	0.78		ND	0.78		ND	0.78		ND	0.78	
Benzo[a]pyrene	8270C	0.2	ND	0.88		ND	0.88		ND	0.88		ND	0.88	
Benzo[b]fluoranthene	8270C	0.2	ND	1.6		ND	1.6		ND	1.6		ND	1.6	
Benzo[g,h,i]perylene	8270C	18	ND	0.98		ND	0.98		ND	0.98		ND	0.98	
Benzo[k]fluoranthene	8270C	0.3	ND	2.2		ND	2.2		ND	2.2		ND	2.2	
Bis(2-Chloroethyl)ether	8270C	0.0096	ND	0.88		ND	0.88		ND	0.88		ND	0.88	
Bis(2-chloroisopropyl)ether	8270C	0.26	ND	0.88		ND	0.88		ND	0.88		ND	0.88	
Bis(2-Ethylhexyl)phthalate	8270C	6	**1.6**	1.1		**1.7**	1.1		**1.6**	1.1		**1.8**	1.1	
Carbazole	8270C	3.3	ND	1.2		ND	1.2		ND	1.2		ND	1.2	
Chrysene	8270C	3	ND	0.98		ND	0.98		ND	0.98		ND	0.98	
Di(2-ethylhexyl) phthalate	8270C	--	**1.6**	1.1		**1.7**	1.1		**1.6**	1.1		**1.8**	1.1	
Dibenz[a,h]anthracene	8270C	0.2	ND	0.88		ND	0.88		ND	0.88		ND	0.88	
Dibenzofuran	8270C	3.7	ND	0.78		ND	0.78		ND	0.78		ND	0.78	
Diethylphthalate	8270C	2900	ND	1.1		ND	1.1		ND	1.1		ND	1.1	
Di-n-butylphthalate	8270C	370	ND	1.2		ND	1.2		ND	1.2		ND	1.2	
Fluoranthene	8270C	150	ND	0.98		ND	0.98		ND	0.98		ND	0.98	
Fluorene	8270C	24	ND	0.98		ND	0.98		ND	0.98		ND	0.98	
Hexachlorobenzene	8270 C	1	ND	0.88		ND	0.88		ND	0.88		ND	0.88	
Hexachlorobutadiene	8270C	0.86	ND	0.88		ND	0.88		ND	0.88		ND	0.88	
Hexachlorocyclopentadiene	8270C	50	ND	0.59		ND	0.59		ND	0.59		ND	0.59	
Hexachloroethane	8270C	4.8	ND	0.88		ND	0.88		ND	0.88		ND	0.88	
Indeno[1,2,3-cd]pyrene	8270C	0.2	ND	0.98		ND	0.98		ND	0.98		ND	0.98	
Isophorone	8270C	70	ND	0.98		ND	0.98		ND	0.98		ND	0.98	
Naphthalene	8270C	0.65	ND	0.69		ND	0.69		ND	0.69		ND	0.69	
Nitrobenzene	8270C	0.35	ND	0.98		ND	0.98		ND	0.98		ND	0.98	
N-Nitroso-di-n-propylamine	8270C	0.0096	ND	0.98		ND	0.98		ND	0.98		ND	0.98	
N-Nitrosodiphenylamine	8270C	14	ND	0.69		ND	0.69		ND	0.69		ND	0.69	
Pentachlorophenol	8270C	1	ND	1.3		ND	1.3		ND	1.3		ND	1.3	
Phenanthrene	8270C	180	ND	0.78		ND	0.78		ND	0.78		ND	0.78	
Phenol	8270C	1100	ND	0.39		ND	0.39		ND	0.39		ND	0.39	
Pyrene	8270C	18	ND	0.88		ND	0.88		ND	0.88		ND	0.88	

Table Notes:

MDL: Method Detection Limt

NA: Not Analyzed

ND: Not Detected

B: Analyte is found in method blank.

U: Sample concentration is less than the MDL.

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Red bolded items indicate concentrations detected above the applicable MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table I: Total Petroleum Hydrocarbons (TPH) - Analytical Results (Groundwater)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Type I and II Aquifers	Sample Number / Date											
			GW-10			GW-11			GW-12			GW-13		
			02/05/09			02/05/09			02/13/09			02/13/09		
		(µg/L)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Gasoline Range Organics (GRO)	8015M	47	ND	14	U	**1000**	14		ND	14	V6, U	**120**	14	R2, V6
Diesel Range Organics (DRO)	8015M	47	**45**	20	D	**65**	20	D	ND	7.3		ND	7.3	

Chemical Analyte	EPA Method	MDE Cleanup Standard for Type I and II Aquifers	Sample Number / Date											
			GW-MW1A			GW-MW5			GW-MS01			GW-DUP02		
			02/13/09			02/13/09			02/13/09			02/13/09		
		(µg/L)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Gasoline Range Organics (GRO)	8015M	47	ND	14	V6, U	**370**	14	V6	**210**	14	V6	ND	14	V6, U
Diesel Range Organics (DRO)	8015M	47	ND	7.3		ND	7.3		ND	7.3		ND	7.3	

Table Notes:

MDL: Method Detection Limit

ND: Not Detected

D: Sample diluted

R2: MS/MSD RPD was out of acceptance limits. Recoveries met acceptance limts.

U: Sample Concentration is less thank the MDL

V6: CCV recovery was below acceptance limits. The reported result is estimated.

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Red bolded items indicate concentrations detected above the applicable MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table J: Priority Pollutant Metals (Dissolved) - Analytical Results (Groundwater)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Type I and II Aquifers	Sample Number / Date											
			GW-10 02/05/09			GW-11 02/05/09			GW-12 02/13/09			GW-13 02/13/09		
		(mg/L)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Aluminum	6020	0.05	0.51	0.0039		ND	0.0039		ND	0.0039		ND	**0.0039**	
Beryllium	6020	0.004	ND	0.000080		ND	0.000080		ND	0.000080		ND	0.000080	
Iron	6020	0.3	**0.23**	0.0017		**0.061**	0.0017		ND	0.0017		**0.23**	0.0017	
Tin	6020	2.2	ND	0.0081		ND	0.0081		ND	0.0081		ND	0.0081	
Antimony	6020	0.006	**0.0054**	0.0038	D	ND	0.0038	D	0.010	0.0038	D	ND	0.0038	D
Arsenic	6020	0.01	ND	0.0020	D	ND	0.0020	D	ND	0.0020	D	2.6	0.0020	D
Barium	6020	2	**0.015**	0.00092	D	**0.029**	0.00092	D	**0.42**	0.00092	D	**0.41**	0.00092	D
Cadmium	6020	0.005	**0.0033**	0.00036	D	ND	0.00036	D	**0.0021**	0.00036	D	0.017	0.00036	D
Chromium	6020	0.1	**0.0036**	0.0019	D	ND	0.0019	D	ND	0.0019	D	0.86	0.0019	D
Copper	6020	1.3	**0.0066**	0.0017	D	ND	0.0017	D	**0.0039**	0.0017	D	**0.036**	0.0017	D
Lead	6020	0.015	ND	0.00038	D	ND	0.00038	D	ND	0.00038	D	0.017	0.00038	D
Manganese	6020	0.050	1.9	0.00051	D	3.7	0.00051	D	3.8	0.00051	D	3.7	0.00051	D
Nickel	6020	0.073	**0.018**	0.00057	D	**0.013**	0.00057	D	0.12	0.00057	D	0.14	0.00057	D
Selenium	6020	0.05	ND	0.0014	D	**0.0060**	0.0014	D	ND	0.0014	D	ND	0.0014	D
Silver	6020	0.1	ND	0.00026	D	ND	0.00026	D	ND	0.00026	D	**0.0073**	0.00026	D
Thallium	6020	0.002	ND	0.00040	D	ND	0.00040	D	ND	0.00040	D	0.033	0.00040	D
Vanadium	6020	0.0037	ND	0.0037	D	ND	0.0037	D	ND	0.0037	D	0.54	0.0037	D
Zinc	6020	5	**0.052**	0.015	D	ND	0.015	D	**0.099**	0.015	D	**0.20**	0.015	D
Mercury	245.1	0.002	ND	0.000027		ND	0.000027		ND	0.000027		ND	0.000027	

Table Notes:

MDL: Method Detection Limit

ND: Not Detected

D: Sample diluted

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Red bolded items indicate concentrations detected above the applicable MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table J (con't): Priority Pollutant Metals (Dissolved) - Analytical Results (Groundwater)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Type I and II Aquifers	Sample Number											
			GW-MW1A 02/13/09			GW-MW5 02/13/09			GW-MS01 02/13/09			GW-DUP02 02/13/09		
		(mg/L)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Aluminum	6020	0.05	ND	0.0039		14	0.0039		14	0.0039		ND	0.0039	
Beryllium	6020	0.004	ND	0.000080		**0.0037**	0.000080		**0.0039**	0.000080		ND	0.000080	
Iron	6020	0.3	ND	0.0017		ND	0.0017		ND	0.0017		ND	0.0017	
Tin	6020	2.2	ND	0.0081		ND	0.0081		ND	0.0081		ND	0.0081	
Antimony	6020	0.006	ND	0.0038	D	ND	0.0038	D	ND	0.0038	D	ND	0.0038	D
Arsenic	6020	0.01	ND	0.0020	D	ND	0.0020	D	ND	0.0020	D	ND	0.0020	D
Barium	6020	2	**0.091**	0.00092	D	**0.018**	0.00092	D	**0.018**	0.00092	D	**0.089**	0.00092	D
Cadmium	6020	0.005	ND	0.00036	D	0.029	0.00036	D	0.031	0.00036	D	ND	0.00036	D
Chromium	6020	0.1	ND	0.0019	D	ND	0.0019	D	ND	0.0019	D	ND	0.0019	D
Copper	6020	1.3	ND	0.0017	D	**0.043**	0.0017	D	**0.045**	0.0017	D	ND	0.0017	D
Lead	6020	0.015	ND	0.00038	D	ND	0.00038	D	ND	0.00038	D	ND	0.00038	D
Manganese	6020	0.050	0.073	0.00051	D	11	0.00051	D	11	0.00051	D	0.071	0.00051	D
Nickel	6020	0.073	ND	0.00057	D	0.23	0.00057	D	0.24	0.00057	D	ND	0.00057	D
Selenium	6020	0.05	**0.0085**	0.0014	D	**0.0059**	0.0014	D	**0.0059**	0.0014	D	**0.0099**	0.0014	D
Silver	6020	0.1	ND	0.00026	D	ND	0.00026	D	ND	0.00026	D	ND	0.00026	D
Thallium	6020	0.002	ND	0.00040	D	ND	0.00040	D	ND	0.00040	D	ND	0.00040	D
Vanadium	6020	0.0037	ND	0.0037	D	ND	0.0037	D	ND	0.0037	D	ND	0.0037	D
Zinc	6020	5	ND	0.015	D	**0.32**	0.015	D	**0.33**	0.015	D	ND	0.015	D
Mercury	245.1	0.002	ND	0.000027		ND	0.000027		ND	0.000027		ND	0.000027	

Table Notes:

MDL: Method Detection Limit

ND: Not Detected

D: Sample diluted

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Red bolded items indicate concentrations detected above the applicable MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table K: Chlorinated Herbicides - Analytical Results (Groundwater)

Chemical Analyte	EPA Method	MDE Cleanup Standard for Type I and II Aquifers	Sample Number / Date											
			GW-10 02/05/09			GW-11 02/05/09			GW-11 02/19/09			GW-12 02/13/09		
		(µg/L)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Alachlor	8081A	2	NA			NA			ND			NA		
Atrazine	8081A	3	NA			NA			ND			NA		
2,4,5-TP (Silvex)	1851	50	**0.27**	0.08		0	0.08		ND			**0.29**	0.08	
2,4-D	1851	70	0	0.26		0	0.26		ND			ND	0.26	
Dalapon	1851	200	0	0.56		0	0.56		ND			ND	0.56	
Dinoseb	1851	7	0	0.04		0	0.04		ND			ND	0.04	
Simazine	505	4	NA			NA			ND			ND		
Glyphosate	547	700	NA			NA			ND			ND		

Chemical Analyte	EPA Method	MDE Cleanup Standard for Type I and II Aquifers	Sample Number / Date											
			GW-13 02/13/09			GW-MW1A 02/13/09			GW-MW5 02/13/09			GW-DUP02 02/13/09		
		(µg/L)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Alachlor	8081A	2	NA			NA			NA			NA		
Atrazine	8081A	3	NA			NA			NA			NA		
2,4,5-TP (Silvex)	1851	50	ND	0.08		ND	0.08		ND	0.08		ND	0.08	
2,4-D	1851	70	ND	0.26		ND	0.26		ND	0.26		ND	0.26	
Dalapon	1851	200	ND	0.56		ND	0.56		ND	0.56		ND	0.56	
Dinoseb	1851	7	ND	0.04		ND	0.04		ND	0.04		ND	0.04	
Simazine	505	4	ND			ND			ND			ND		
Glyphosate	547	700	ND			ND			ND			ND		

Chemical Analyte	EPA Method	MDE Cleanup Standard for Type I and II Aquifers	Sample Number / Date											
			GW-MS01											
		(µg/L)	Result	MDL	Qualifier									
Alachlor	8081A	2	NA											
Atrazine	8081A	3	NA											
2,4,5-TP (Silvex)	1851	50	ND	0.08										
2,4-D	1851	70	ND	0.26										
Dalapon	1851	200	**3.3**	0										
Dinoseb	1851	7	ND	0.04										
Simazine	505	4	ND											
Glyphosate	547	700	ND											

Table Notes:

MDL: Method Detection Limit

ND: Not Detected

NA: Not Analyzed

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Red bolded items indicate concentrations detected above the applicable MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table L: Volatile Organic Compounds - Analytical Results (Soil Gas)

Chemical Analyte	EPA Method	Target Shallow Soil Gas Concentration	Sample Number / Date											
			SG-11			SG-12			SG-13			SG-14		
			02/12/09			02/12/09			02/12/09			02/12/09		
		(ppbv)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
1,1,1-Trichloroethane	TO-15	4000	**1300**	18		**3.6**	0.15		**8.4**	0.2		**190**	1.5	
1,1,2,2-Tetrachloroethane	TO-15	--	ND	2.2		ND	0.22		ND	0.3		ND	0.22	
1,1,2-Trichloro-1,2,2-Trifluoroethane	TO-15	39000	**15**	1.6		ND	0.16		ND	0.22		ND	0.16	
1,1,2-Trichloroethane	TO-15	2.8	ND	1.7		ND	0.17		ND	0.23		ND	0.17	
1,1-Dichloroethane	TO-15	1200	**930**	17		**2.5**	0.14		ND	0.19		**0.93**	0.14	
1,1-Dichloroethene	TO-15	500	**6.9**	1.7		ND	0.17		ND	0.23		ND	0.17	
1,2,4-Trichlorobenzene	TO-15	270	ND	5		ND	0.51		ND	0.69		ND	0.51	
1,2,4-Trimethylbenzene	TO-15	12	ND	2.4		ND	0.24		ND	0.33		**0.67**	0.24	
1,2-Dibromoethane	TO-15	0.14	ND	1.3		ND	0.13		ND	0.18		ND	0.13	
1,2-Dichlorobenzene	TO-15	330	ND	3.5		ND	0.36		ND	0.49		ND	0.36	
1,2-Dichloroethane	TO-15	2.3	ND	1.7		ND	0.17		ND	0.23		ND	0.17	
1,2-Dichloropropane	TO-15	8.7	ND	1.4		ND	0.14		ND	0.19		ND	0.14	
1,2-Dichlorotetrafluoroethane	TO-15	--	ND	1.6		ND	0.16		ND	0.22		ND	0.16	
1,3,5-Trimethylbenzene	TO-15	12	ND	2.2		ND	0.22		ND	0.3		ND	0.22	
1,3-Butadiene	TO-15	0.39	ND	2		ND	0.2		ND	0.27		ND	0.2	
1,3-Dichlorobenzene	TO-15	170	ND	2.6		**0.27**	0.27		ND	0.37		ND	0.27	
1,4-Dichlorobenzene	TO-15	1300	ND	2.5		**0.26**	0.26		ND	0.35		ND	0.26	
1,4-Dioxane	TO-15	--	ND	3		ND	0.31		ND	0.42		ND	0.31	
2-Butanone	TO-15	--	**61**	1.2		**0.33**	0.12		**1**	0.16		**0.66**	0.12	
2-Hexanone	TO-15	--	ND	3.3		ND	0.34		ND	0.46		ND	0.34	
2-Propanol	TO-15	--	**330**	30		**870**	12		**160**	2.4		**14**	0.25	
4-Ethyltoluene	TO-15	--	ND	2.2		ND	0.22		ND	0.3		ND	0.22	
4-Methyl-2-Pentanone	TO-15	--	**96**	2.4		ND	0.24		ND	0.33		ND	0.24	
Acetone	TO-15	1500	**480**	67		**4.5**	0.56		**7.9**	0.76		**5.2**	0.56	
Benzene	TO-15	9.8	ND	1.2		**0.3**	0.12		**1.8**	0.16		**1.4**	0.12	
Benzyl chloride	TO-15	0.97	ND	3.5		ND	0.36		ND	0.49		ND	0.36	
Bromodichloromethane	TO-15	2.1	ND	1.5		ND	0.15		ND	0.2		ND	0.15	
Bromoform	TO-15	21	ND	1.7		ND	0.17		ND	0.23		ND	0.17	
Bromomethane	TO-15	--	ND	1.9		ND	0.19		ND	0.26		ND	0.19	
Carbon disulfide	TO-15	2200	ND	1.8		ND	0.18		ND	0.24		ND	0.18	

Table Notes:

Duplicated laboratory results were provided for some analytes in SG-14. KCI prepared this table with the highest reported result for the duplicated analytes in SG-14.

MDL: Method Detection Limt

ND: Not Detected

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

Red bolded items indicate concentrations detected above the applicable MDE CUS.

Maryland Chemical Corp. - Phase II Site Assessment

Table L (con't): Volatile Organic Compounds - Analytical Results (Soil Gas)

Chemical Analyte	EPA Method	Target Shallow Soil Gas Concentration	Sample Number / Date											
			SG-11			SG-12			SG-13			SG-14		
			02/12/09			02/12/09			02/12/09			02/12/09		
		(ppbv)	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier	Result	MDL	Qualifier
Carbon tetrachloride	TO-15	2.6	**16**	1.6		ND	0.16		ND	0.22		ND	0.16	
Chlorobenzene	TO-15	130	ND	1.6		ND	0.16		ND	0.22		ND	0.16	
Chloroethane	TO-15	--	ND	1.7		ND	0.17		ND	0.23		ND	0.17	
Chloroform	TO-15	2	**310**	14		**0.82**	0.12		ND	0.16		**0.36**	0.12	
Chloromethane	TO-15	--	ND	2.3		**0.59**	0.23		ND	0.31		**0.27**	0.23	
cis-1,2-Dichloroethene	TO-15	88	**2100**	17		**5.9**	0.14		**0.88**	0.19		**2.2**	0.14	
cis-1,3-Dichloropropene	TO-15	--	ND	1.4		ND	0.14		ND	0.19		ND	0.14	
Cyclohexane	TO-15	--	ND	1.2		ND	0.12		ND	0.16		ND	0.12	
Dibromochloromethane	TO-15	--	ND	1.7		ND	0.17		ND	0.23		ND	0.17	
Dichlorodifluoromethane	TO-15	400	ND	1.6		**0.44**	0.16		**0.53**	0.22		**0.61**	0.16	
Ethyl acetate	TO-15	8700	ND	1.5		ND	0.15		ND	0.2		ND	0.15	
Ethyl benzene	TO-15	51	ND	1.8		ND	0.18		**0.48**	0.24		**0.34**	0.18	
Heptane	TO-15	--	ND	1.3		ND	0.13		ND	0.18		ND	0.13	
Hexachlorobutadiene	TO-15	1	ND	4.3		ND	0.44		ND	0.6		ND	0.44	
Hexane	TO-15	570	ND	4.3		**3.2**	0.44		ND	0.6		**1.9**	0.44	
m,p-Xylene	TO-15	16000	**3**	2.9		ND	0.3		**0.44**	0.41		**0.97**	0.3	
Methylene chloride	TO-15	150	**7.2**	1.4		**43**	1.4		**1.2**	0.19		**2.8**	0.14	
Methyl-t-butyl ether	TO-15	8300	ND	18		ND	1.9		ND	2.5		ND	1.9	
o-Xylene	TO-15	16000	ND	1.7		ND	0.17		ND	0.23		**0.45**	0.17	
Propylene	TO-15	--	ND	2		**0.75**	0.2		ND	0.27		**0.89**	0.2	
Styrene	TO-15	2300	ND	1.9		ND	0.19		ND	0.26		ND	0.19	
Tetrachloroethene (PCE)	TO-15	12	**4300**	50		**11**	0.17		**3.4**	0.23		**4.8**	0.17	
Tetrahydrofuran	TO-15	--	ND	1.1		ND	0.11		ND	0.15		ND	0.11	
Toluene	TO-15	1100	**21**	1.8		**1.6**	0.18		**16**	0.24		**9.2**	0.18	
trans-1,2-Dichloroethene	TO-15	180	**460**	37		**1.2**	0.31		ND	0.42		**0.42**	0.31	
trans-1,3-Dichloropropene	TO-15	--	ND	1.2		ND	0.12		ND	0.16		ND	0.12	
Trichloroethene (TCE)	TO-15	0.41	**2700**	48		**10**	0.16		**2.6**	0.22		**3**	0.16	
Trichlorofluoromethane	TO-15	1200	ND	1.8		ND	0.18		ND	0.24		ND	0.18	
Vinyl acetate	TO-15	570	ND	1.3		ND	0.13		ND	0.18		ND	0.13	
Vinyl Chloride	TO-15	11	**36**	1.5		ND	0.15		ND	0.2		ND	0.15	

Table Notes:

Duplicated laboratory results were provided for some analytes in SG-14. KCI prepared this table with the highest reported result for the duplicated analytes in SG-14.

MDL: Method Detection Limt

ND: Not Detected

--: No CUS currently exists for this analyte.

Black bolded items indicate concentrations detected above laboratory detection limits

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