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**Phase II Environmental Site Assessment  
for  
Stubblefield Salvage Yard**

**Myra Road Extension Project  
Walla Walla, Washington**

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## Table of Contents

1.0	Introduction.....	1
1.1	Site Setting.....	2
1.2	Site History .....	2
1.3	Geology and Hydrogeology.....	3
2.0	Site Investigation Activities.....	7
2.1	Data Objectives and Needs.....	7
2.2	On-Site Soil Investigation.....	7
2.3	On-Site Groundwater Investigation.....	11
2.3.1	Laboratory Analyses .....	11
2.4	Health and Safety.....	11
3.0	Results of Laboratory Analyses and Comparison to Washington State Cleanup Levels .....	13
3.1	Semi-Volatile Organics.....	14
3.1.1	Soil .....	14
3.1.2	Groundwater .....	14
3.2	Volatile Organics .....	14
3.2.1	Soil .....	14
3.2.2	Groundwater .....	15
3.3	Oil and Grease.....	15
3.3.1	Soil .....	15
3.3.2	Groundwater .....	16
3.4	PCBs .....	16
3.4.1	Soil .....	16
3.4.2	Groundwater .....	16
3.5	Pesticides.....	16
3.5.1	Soil .....	16
3.5.2	Groundwater .....	16
3.6	Metals.....	17
3.6.1	Soil .....	17
3.6.2	Groundwater .....	18
3.7	Laboratory QA/QC .....	19
4.0	Summary .....	19
4.1	Construction Considerations.....	21
5.0	References.....	22



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## **List of Figures**

Figure 1. Overview of Proposed Myra Road Extension .....	4
Figure 2. Vicinity Map Identifying Subject Property. Walla Walla, Washington, USGS Topographic Map, 1978.....	5
Figure 3. Aerial Photograph of Subject Property, 2002.....	6
Figure 4. Sample Locations .....	10

## **List of Tables**

Table 1. Summary of Soil Samples at each Boring .....	8
Table 2. Proposed Laboratory Analysis.....	12
Table 3. Semi-Volatile Organics Detected in Soil Samples .....	14
Table 4. Volatile Organics Detected in Soil Samples.....	15
Table 5. Volatile Organics Detected in Groundwater Samples .....	15
Table 6. Oil and Grease Detected in Soil Samples .....	16
Table 7. Pesticides Detected in Soil Samples.....	16
Table 8. Pesticides Detected in Groundwater Samples .....	17
Table 9. Metals Detected in Soil Samples .....	18
Table 10. Metals Detected in Groundwater Samples.....	19

## **List of Appendices**

Appendix A: Laboratory Report

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## 1.0 Introduction

Walla Walla County is proposing to extend Myra Road from its existing northern-most limit at Rose Street north to State Highway 12 (Figure 1). The proposed alignment extends through the Stubblefield Salvage Yard, located at 595 Offner Road, Walla Walla, Washington, referred to herein as the subject property (Figure 2). As part of the Myra Road project, a Phase I Environmental Site Assessment (ESA) was conducted on the Stubblefield property. Results of the assessment revealed the presence of *recognized environmental conditions* at the site. The term *recognized environmental conditions*, as defined by the American Society for Testing and Materials (ASTM), means “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”. As a result of these findings, a Phase II ESA was recommended including field sampling of groundwater and soils at the site.

The subject property is an operating salvage yard. A site inspection to support the Phase I ESA was conducted by HDR on July 6, 2005. Salvaged items are generally grouped by type into piles on the subject property (Figure 3). Examples of salvage item groupings include scrap metal, 55-gallon drums, large storage tanks of various sizes, cars, trucks, earthmoving equipment, car batteries, and tires. The majority of the site’s salvage items appear to be scrap metal. Most of the 55-gallon drums checked during the Phase I ESA were empty, with the exception of two drums containing hydraulic fluid and petroleum-based lubricant found in the vicinity of the shearer and compactor, east of the proposed right-of-way. The 55-gallon drum labels indicated a wide variety of substances, from juice concentrate to hydraulic fluid. The larger tanks of approximately 10,000 gallon capacity or larger appeared to be empty. No labeling was present on the larger tanks. Due to the large quantity of drums and tanks on-site, it was not possible to check the contents of each container for the purposes of the Phase I ESA.

Large areas (approximately 750 square feet) of soil staining and petroleum odors were observed on the north side of the large 2-story building, east of the proposed right-of-way, near the shearer and compactor. Although no additional large areas of stained soils were observed, some isolated areas of stained soil, 1 to 2 square feet in size, were observed throughout the subject property. These areas generally contained spotty petroleum and grease odors. There is also a pile of car engines and parts north of the industrial building, east of the proposed right-of-way, where soil staining was observed. Other isolated areas of stained soil may be located throughout the subject property where vegetation or materials precluded observation.

Other piles of salvage items of concern include a pile of car batteries east of the proposed right-of-way, and at least two piles of creosoted telephone poles, one of which was in or near the south end of the proposed right-of-way. Piles of rubber and tires were also observed. Most of the tires were located along Mill Creek, east of the proposed right-of-

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way. Although the pile of car batteries was outside the proposed right-of-way, there may be some individual batteries scattered throughout the subject property, including within the proposed right-of-way.

For the purposes of this Phase II ESA, soil and groundwater sampling was conducted on November 1, 2005. Eight sample boreholes were drilled along the proposed alignment (the right-of-way area that would be potentially purchased by the County) through the subject property using a truck-mounted GeoProbe rig. This document will summarize the details of the field sampling.

## **1.1 Site Setting**

The subject property is located at 595 Offner Road, in Walla Walla, Washington (Walla Walla County Assessor Parcel Number 350724440023). The legal description of the facility is:

*Southeast ¼ of Southeast ¼ of Section 24 of Township 7 North, Range 35 East*

## **1.2 Site History**

The Phase I ESA identified a site history starting with a fat-rendering facility operated by Mr. Stubblefield in the late 1940s through 1950s. This is the most likely origin of the 2-story industrial building on the property next to the existing shearer/compactor. The salvage yard has been in operation in varying stages since around 1960. A 1966 aerial photograph reveals salvage operations in the northeastern quadrant of the subject property. A 1979 aerial photograph shows salvage operations in the northern half of the subject property, and by a 1990 aerial photograph, the salvage operations had expanded to the limits of the subject property.

A compliance record with the Washington Department of Ecology revealed several environmental complaints filed on the subject property since the late 1980s. These records revealed several potential hazardous materials issues with the subject property, including:

- In 1987, a complaint was filed indicating that salvaged pesticide containers may not have been rinsed properly prior to storage.
- In 1992, a complaint was filed by a neighbor of the subject property indicating concern for groundwater quality due to observed hydraulic fluid spills and punctured transformers.
- In 1996, a complaint was filed indicating a visitor of the property had stepped ankle-deep in a diesel-like sludge on the northern edge of the property adjacent to Mill Creek.
- In 1999, a Dangerous Waste Compliance site visit was conducted in which salvaging, incinerator ash, and waste oil were identified as processes that generate waste. An owner interview indicated iron and aluminum was being melted on site with a homemade oil furnace. In 2000, a letter from the Department of Ecology Air Quality Program requested that the smelting furnace be rendered inoperable.

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- In 2000, a complaint was received regarding burning of trash and tires and a diesel spill that was dug up and buried.
  - In 2001, a complaint was received that oil was drained out of a motorcycle directly onto the ground.

### **1.3 Geology and Hydrogeology**

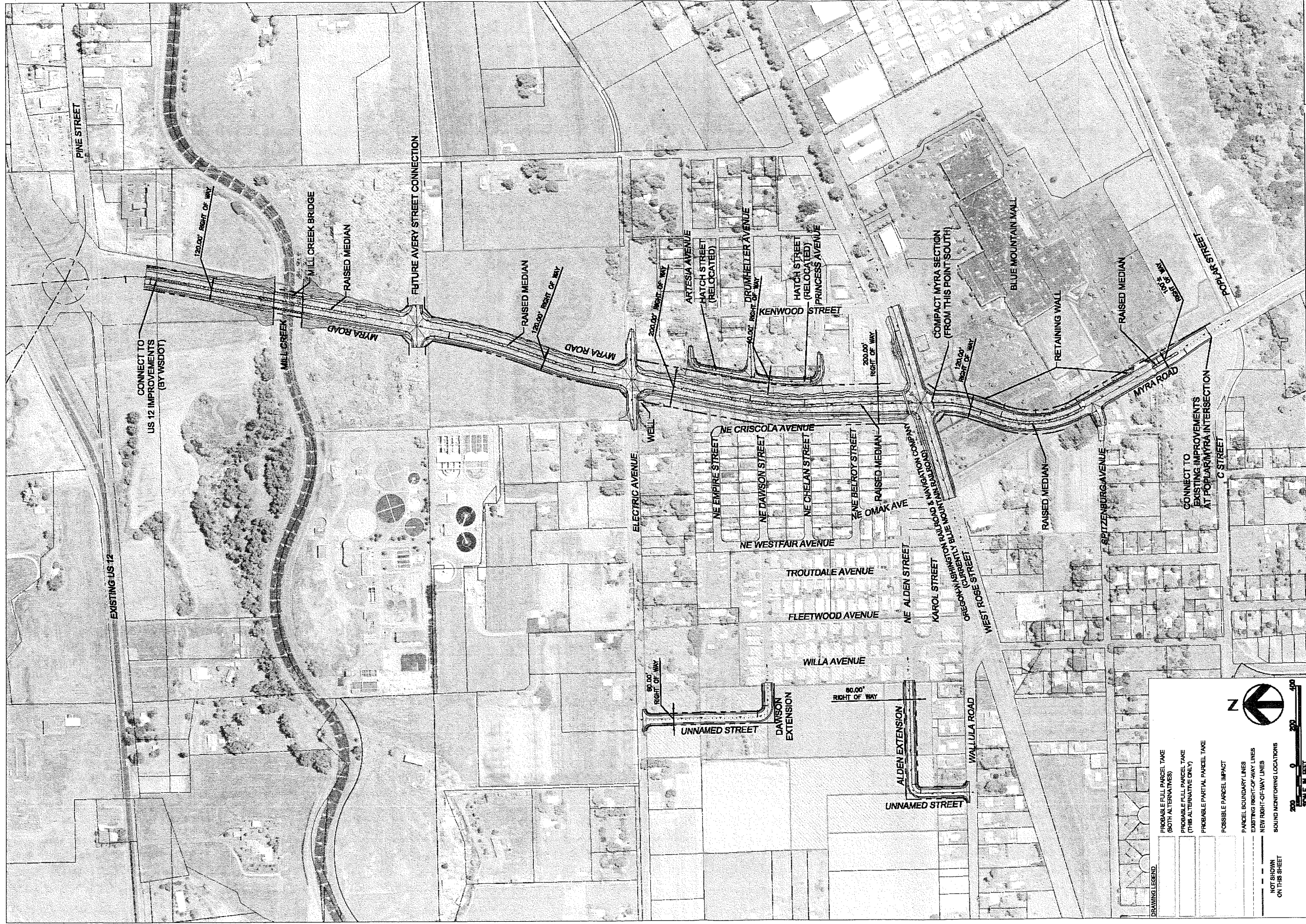
To support Walla Walla County's proposed roadway project, geotechnical investigations were conducted at the subject property. HDR conducted a phone interview with the geotechnical consultant on August 26, 2005 to discuss area geological conditions. According to the geotechnical consultant, in the northern portion of the property, approximately 40 feet from Mill Creek, a borehole was drilled to a depth of approximately 80 feet. Groundwater was discovered in the borehole at a depth of 15 feet, roughly the level of water in Mill Creek. The soils were very silty until the depth of groundwater, at which point soils became gravelly with some clays for the remainder of the boring.

In the southern portion of the property, a borehole was drilled to 7.5 feet and groundwater was not encountered. An infiltration test in this area resulted in 8 inches of water infiltrating the surface soil in 45 minutes.

Soil encountered during the November 1, 2005 investigation consisted of fine, dry silt overlying rounded, coarse grained, sands and gravels to 1.5-inches. Larger clasts were present, but were broken by the GeoProbe. It appears that the upper layer of silt on the northern portion of the subject property is loess, possibly overbank deposits, to an approximate depth of 8-feet overlying fluvial silt.

Groundwater was encountered at a depth of 10 to 17-feet bgs in all eight borings during the November 1, 2005 investigation. Groundwater inflow appeared to be extremely slow on the northern portion of the site, while the southern portion of the site showed faster groundwater flow. Groundwater samples were very turbid.





MYRA ROAD (EAST) ALTERNATIVE 1 AND  
SECONDARY ACCESS CONNECTIONS  
OVERVIEW OF PROPOSED MYRA ROAD EXTENSION



THE LAYOUTS SHOWN ARE "CONCEPTUAL ONLY". REVISIONS  
WILL OCCUR DURING THE CONTINUING DESIGN PROCESS THAT  
MAY CHANGE THE IMPACT ON THE PROPERTIES SHOWN AND  
THE CONFIGURATIONS OF THE STREETS.

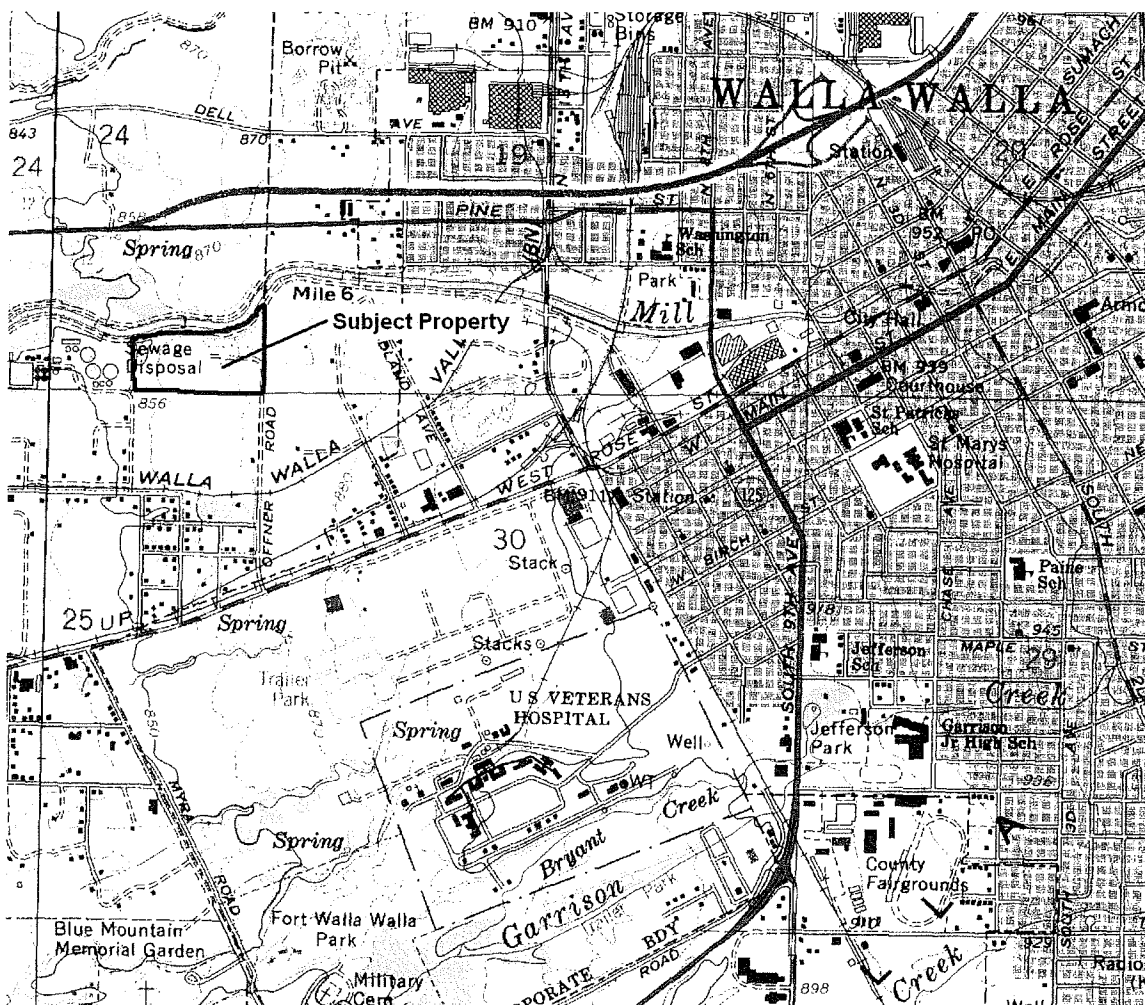
DATE  
JULY 2005

FIGURE  
FIGURE 1

- DRAWING LEGEND
- PROBABLE FULL PARCEL TAKE (BOTH ALTERNATIVES)
  - PROBABLE FULL PARCEL TAKE (THIS ALTERNATIVE ONLY)
  - PROBABLE PARTIAL PARCEL TAKE
  - POSSIBLE PARCEL IMPACT
  - PARCEL BOUNDARY LINES
  - EXISTING RIGHT-OF-WAY LINES
  - NEW RIGHT-OF-WAY LINES
  - BOUND MONITORING LOCATIONS
  - NOT SHOWN ON THIS SHEET







**Figure 2. Vicinity Map Identifying Subject Property. Walla Walla, Washington, USGS Topographic Map, 1978**

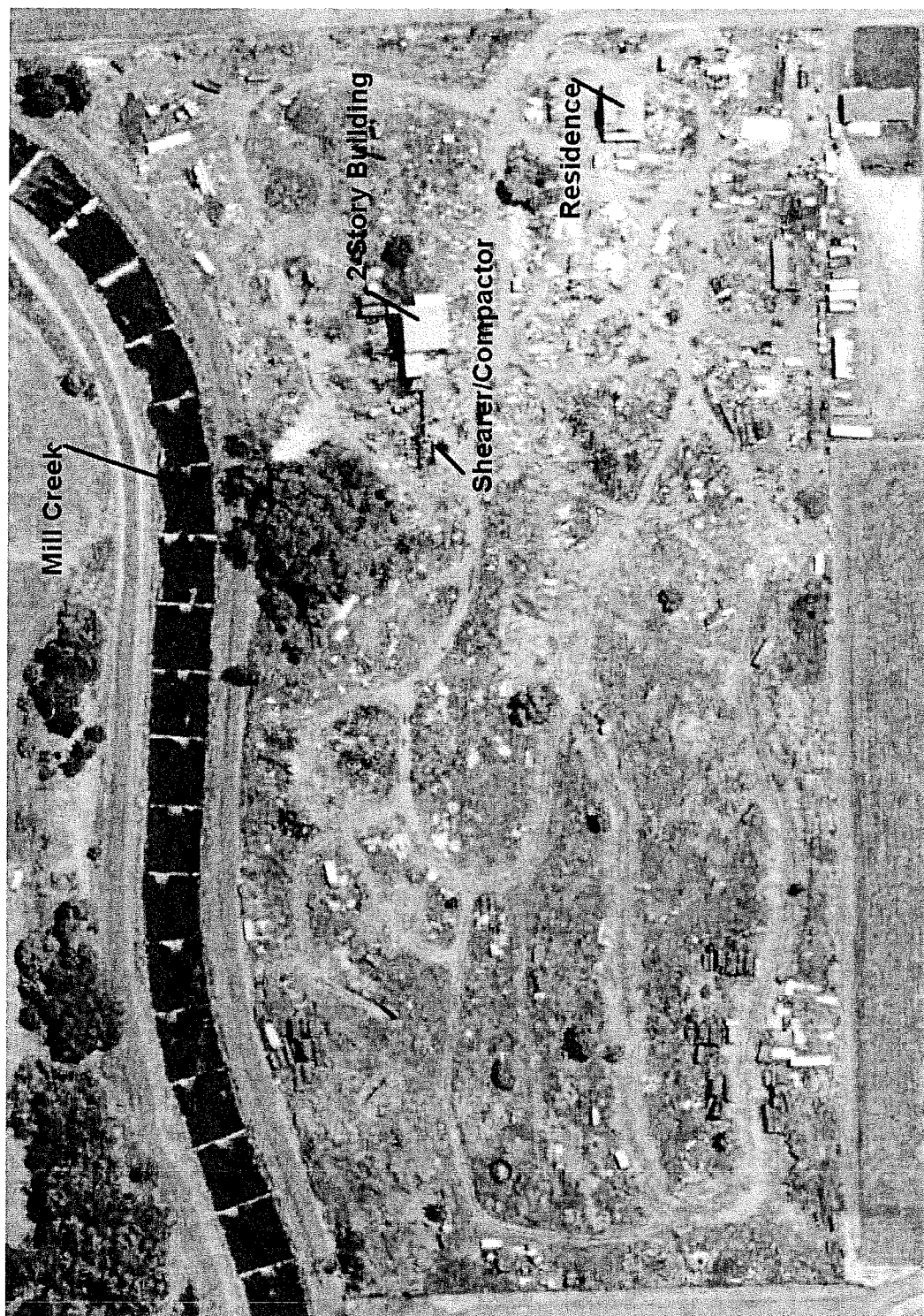


Figure 3. Aerial Photograph of Subject Property, 2002

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## 2.0 Site Investigation Activities

This section provides a brief discussion regarding the nature of potential contamination concerns from the subject property, followed by a summary of field activities.

### 2.1 Data Objectives and Needs

The objective of a Phase II Environmental Site Assessment is to determine whether contamination is present in the proposed right-of-way area, and if so, to characterize the nature of the contaminants. Soil and groundwater samples were tested for suspected contaminants using appropriate EPA or State methodology in laboratories certified by the State to conduct such tests, in this case, Columbia Analytical Services of Kelso, Washington. Analyses were customized for suspected contaminants. In this case, given site history, suspected contaminants included metals due to past smelting operations, pesticides due to complaints filed with the Department of Ecology regarding pesticide containers, and petroleum products and other volatile organic compounds such as solvents due to the presence of machine parts, past complaints of oil spills at the property, and existing machinery to shear and compact salvage items that likely require use of maintenance chemicals. The investigation was limited to the proposed right-of-way area only. The remainder of the salvage yard was not tested.

The following site investigation activities were performed in accordance with the "Site Investigation Work Plan to support a Phase II Environmental Site Assessment for Stubblefield Salvage Yard" (Work Plan), dated September 2005.

### 2.2 On-Site Soil Investigation

To characterize soil quality, the general approach was to conduct soil sampling using a GeoProbe drill-type system. The GeoProbe system utilizes a push probe capable of collecting soil samples from the borehole. At least three soil samples were collected at progressive depths for each of eight boreholes. A total of 29 soil samples were collected (Table 1).

Prior to advancing GeoProbe borings, *Washington Call before You Dig* (1-800-424-5555) was contacted to locate public utilities. The subject property is approximately 21 acres in size; however, this investigation focused in the area of the proposed alignment and right-of-way boundaries. Should it be determined that more property would be purchased than the alignment right-of-way, additional investigations may be warranted. The approximate sample locations are presented in Figure 4.

The GeoProbe operates using a hydraulic push probe that collects undisturbed soil cores. The GeoProbe is often a preferred method for subsurface sampling due to the relatively small hole created and the small amount of cuttings produced. There is typically little to no disruption of business operation. While the GeoProbe can be advanced through soils, it is not able to penetrate bedrock and sometimes can reach refusal in gravel/cobble lithology.



At least three soil samples were collected at each borehole at ranging depths from near the surface, mid-depth, and the bottom of each borehole. This approach allowed for an assessment of constituents with depth. Table 1 presents a summary of depths at which samples were collected for each borehole.

**Table 1. Summary of Soil Samples at each Boring**

Borehole	Depth of Samples (feet below ground)
BH-1	0-1
	1-1.5
	8-9
	14-15
BH-2	0-1
	1-2
	5-6
	10-11
BH-3	0-1
	1-2
	6-7
	10-11
BH-4	0-1
	5.5-6.5
	9.5-10.5
BH-5	0-1
	1-2
	6-7
	10.5-11.5
BH-6	0-1
	7-8
	14.5-15.5
BH-7	0-1
	5-6
	10-11
BH-8	0-1
	1-2
	7.5-8.5
	14-15

Boring locations were established to obtain adequate coverage across the proposed alignment within the time and budget constraints of the project.

The location of boring BH-1 was on the northwest corner of the proposed road alignment. BH-1 was advanced to a depth of 20 feet; gravel was encountered at a depth of 19 feet. Saturated soil conditions were observed in the boring at approximately 14-feet. Groundwater inflow was extremely slow, so a ¾-inch PVC standpipe was installed to serve as a temporary well and a sample collected at the end of the day. By late afternoon, water had stabilized in the well at approximately 14 feet. The well pumped dry after 1-liter. Another ½-liter was later removed and used to partially fill a 500-mill plastic bottle and 3 VOA vials.

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Boring BH-2 was advanced on the east side of the southern centerline of the proposed road alignment at the southern property line. This location was in an area used to store creosote poles and north of a field used for agriculture. Boring BH-2 was advanced to a depth of 16 feet and gravel was encountered at a depth of 14 feet. Saturated soil conditions were observed at a depth of 11 feet. Groundwater flow in BH-2 was good and approximately 6-liters of groundwater were collected.

Boring BH-3 was located adjacent to the access roadway and next to a pile of large fuel tanks and empty 55-gallon drums at the southwest corner of the proposed road alignment. The drums were labeled as Apple Juice Concentrate. Boring BH-3 was advanced to a depth of 16 feet and gravel was encountered at a depth of 15 feet. Saturated soil conditions were observed at 11 feet. Groundwater samples were collected from the boring.

Boring BH-4 was located on the access roadway and surrounded by miscellaneous metal debris piles, old vehicles, and machinery on the west side of the proposed road alignment just south of the north-south mid point. Gravel was encountered at 15.5 feet and saturated soil conditions were observed at 10 feet. Groundwater samples were collected from the boring.

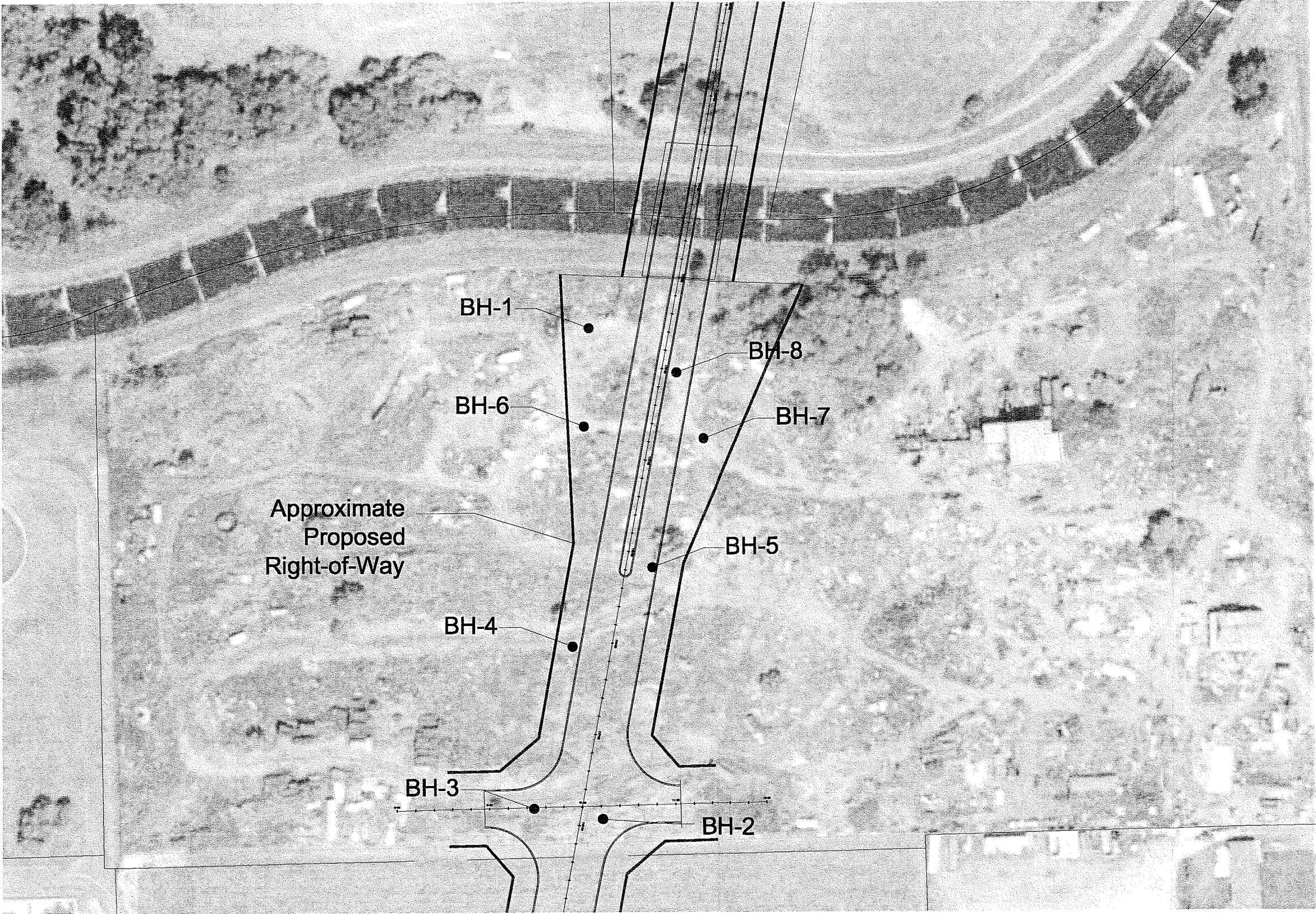
Boring BH-5 was advanced adjacent to the access roadway on the east side of the proposed road alignment at the north-south mid point and was also surrounded by metal debris piles. Gravel was encountered at 17.5 feet and saturated soil conditions at 12 feet. Groundwater samples were not collected at this borehole due to insufficient groundwater flow.

Boring BH-6 was advanced at the intersection of two access roadways on the west side of the proposed road alignment about  $\frac{1}{4}$  of the way south from the northwest corner. Gravel was encountered at 19 feet and saturated soils conditions were observed at 15.5 feet. Groundwater samples were collected at this borehole.

Boring BH-7 was advanced adjacent to the access roadway on the east side of the proposed road alignment about  $\frac{1}{4}$  of the way south from the northeast corner of the alignment. Various metal piles and partial vehicles surrounded this location. Gravel was encountered at a depth of 12.4 feet and saturated soil conditions were observed at a depth of 11 feet. Groundwater samples were collected at this borehole.

Boring BH-8 was advanced at the centerline at the north end of the proposed road alignment adjacent to a pipe pile and a large fuel tank and across the road from a pile of large fuel tanks. Gravel was encountered at 19.2 feet and saturated soil conditions were observed at a depth of 17.5 feet. Groundwater samples were not collected from BH-8 due to insufficient groundwater flow.

Standard chain-of-custody procedures were followed from the time samples were collected until the samples arrived at the laboratory. All samples were immediately labeled and placed in a clean ice chest and chilled until delivery to the laboratory.



Issue No.	Description	Date	Drawn	Checked	Revised	Project Mgr.

**HDR**  
HDR Engineering, Inc.

1" = 100' HORIZONTAL SCALE  
1" = 20' VERTICAL SCALE

Project Manager	
Designed	
Designed	
Checked	
Drawn	

**MYRA ROAD EXTENSION PROJECT  
PHASE II ENVIRONMENTAL SITE ASSESSMENT  
SAMPLE LOCATION  
FIGURE 4**

Date	Project No.	Drawing No.	Issue
Scale	File Name		

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## **2.3 On-Site Groundwater Investigation**

After collection of soil samples, the GeoProbe system was used to collect groundwater grab samples. Groundwater samples were collected in laboratory supplied sampling bottles. As noted in Section 2.2, groundwater samples were collected from the following boreholes:

- BH-1
- BH-2
- BH-3
- BH-4
- BH-6
- BH-7

Groundwater samples were not collected at boreholes BH-5 or BH-8 due to insufficient flow.

### **2.3.1 Laboratory Analyses**

Laboratory analyses conducted for soil and groundwater samples are summarized in Table 2. Per the Work Plan, PCBs and pesticides were to be analyzed for selected soil samples, which are shown for BH-1 (1-1.5), BH-2 (1-2), BH-3 (1-2), BH-5 (1-2), and BH-8 (1-2). These borehole locations were selected for PCBs and pesticide analyses in addition to the other analyses due to proximity to agricultural fields or particular types of debris piles from the salvage yard. All groundwater samples were analyzed for PCBs and pesticides, in addition to the other constituents.

## **2.4 Health and Safety**

Prior to field investigation, utility lines were located by local utilities. Field personnel introduced themselves to the subject property owner and notified him of the drilling activities for the day. This was followed by proper reconnaissance of the site for locating borehole locations. Weather was overcast and relatively warm (70 degrees). However, temperature decreased steadily throughout the day into the 50s and rain fell at approximately 2:30 PM. The site was very muddy, with ponded water throughout the site. Four-wheel drive was required to move about the site. Proper precautions were taken to ensure conditions remained safe, considering weather and surroundings.



**Table 2. Proposed Laboratory Analysis**

Sample ID		Semi-VOC (EPA Method 8270C)	VOC (EPA Method 8260B)	Oil and Grease (EPA Method 1664)	PCBs (EPA Method 8082)	Pesticides (EPA Method 8081A)	Metals (EPA Methods 7060A, 6010B, 7421, 7470A, 7740)
<b>Soil</b>							
BH-1	0-1	X	X	X			X
BH-1	1-1.5				X	X	
BH-1	8-9	X	X	X			X
BH-1	14-15	X	X	X			X
BH-2	0-1	X	X	X			X
BH-2	1-2				X	X	
BH-2	5-6	X	X	X			X
BH-2	10-11	X	X	X			X
BH-3	0-1	X	X	X			X
BH-3	1-2				X	X	
BH-3	6-7	X	X	X			X
BH-3	10-11	X	X	X			X
BH-4	0-1	X	X	X			X
BH-4	5.5-6.5	X	X	X			X
BH-4	9.5-10.5	X	X	X			X
BH-5	0-1	X	X	X			X
BH-5	1-2				X	X	
BH-5	6-7	X	X	X			X
BH-5	10.5-11.5	X	X	X			X
BH-6	0-1	X	X	X			X
BH-6	7-8	X	X	X			X
BH-6	14.5-15.5	X	X	X			X
BH-7	0-1	X	X	X			X
BH-7	5-6	X	X	X			X
BH-7	10-11	X	X	X			X
BH-8	0-1	X	X	X			X
BH-8	1-2				X	X	
BH-8	7.5-8.5	X	X	X			X
BH-8	14-15	X	X	X			X
<b>Groundwater</b>							
BH-1		X	X	X	X	X	X
BH-2		X	X	X	X	X	X
BH-3		X	X	X	X	X	X
BH-4		X	X	X	X	X	X
BH-6		X	X	X	X	X	X
BH-7		X	X	X	X	X	X

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### 3.0 Results of Laboratory Analyses and Comparison to Washington State Cleanup Levels

The purpose of this investigation is to determine if contamination exists on right-of-way property that the County is considering purchasing. The following sections summarize the results of laboratory analyses and compare those results to cleanup levels established by Washington State. This comparison is made to provide an interpretation and perspective of soil and groundwater data collected at the site. No formal regulatory investigation is being conducted nor is there involvement at this time of any regulatory agency. Responsibility of contacting WDOE if any contamination exists is the responsibility of the current land owner. Data was compared to Washington's Model Toxics Control Act (MTCA) Cleanup regulations. Under the MTCA, Cleanup Regulation, Chapter 173-340 WAC, three options are provided for establishing cleanup levels in Washington State. These options are as follows:

- **Method A: Applicable Laws and Tables.** Method A provides tables of cleanup levels that are protective of human health for 25 to 30 of the most common hazardous substances found in soil and groundwater at sites. It is designed for cleanups that are relatively straightforward or involve only a few hazardous substances.
- **Method B: Universal Method.** Cleanup levels under Method B are established using applicable state and federal laws and the risk assessment equations and other requirements specified for each medium. It may be used at any site and is the most common method for setting cleanup levels when sites are contaminated with substances not listed under Method A. Sites that are cleaned up to Method B cleanup levels generally do not need future restrictions on the use of the property due to the small amount of residual contamination typically left on the property.
- **Method C: Conditional Method.** Method C cleanup levels may be used to set soil and air cleanup levels at industrial sites. For groundwater, Method C may also be used when Method A or B cleanup levels are lower than technically possible or area background concentrations.

In addition to the above-referenced methods for determining cleanup levels, there are also Federal and State Primary Maximum Contaminant Levels (MCLs) for groundwater. These levels were established under the Safe Drinking Water Act.

A query of MTCA and MCL levels was performed on the Washington Department of Ecology, Cleanup Levels and Risk Calculation (CLARC) website (<https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx>) to determine cleanup levels for groundwater and soil contaminants that were detected in samples at the subject property. Depending on availability, cleanup levels for groundwater were taken in the following order: MCL, Method A, or Method B. For soil, depending on availability, cleanup levels were taken in the following order: Method A, Method B. No Method C cleanup levels were used for comparison to groundwater or soil contaminants at the

subject property. Again, these cleanup levels are used here to provide interpretation and perspective of the data and are not intended to be used for actual site cleanup.

The following sections summarize laboratory results by category of contaminants. Due to its large size, the laboratory report is included electronically as an appendix.

### 3.1 Semi-Volatile Organics

#### 3.1.1 Soil

Most soil samples were below detection levels for semi-volatile organics. Borehole BH-2 had detections of fluoranthene and pyrene, as summarized in Table 3. The CLARC query provided cleanup levels for fluoranthene and pyrene in soil under Method B, Non-carcinogen, Standard Formula Value, Direct Contact (ingestion only), unrestricted land use (mg/Kg). These cleanup values are 3,200 mg/Kg and 2,400 mg/Kg, respectively. The detections summarized in Table 3 fall far below these levels.

**Table 3. Semi-Volatile Organics Detected in Soil Samples**

Sample ID		Semi-VOC Constituents (mg/Kg)	
		Fluoranthene	Pyrene
BH-2	0-1	0.53	0.42

All laboratory data may be referenced in Appendix A.

#### 3.1.2 Groundwater

All groundwater samples were below detection levels for semi-volatile organics.

### 3.2 Volatile Organics

#### 3.2.1 Soil

Most soil samples were below detection levels for volatile organics. Methylene chloride was the only constituent detected, as summarized in Table 4. The CLARC query provided a cleanup level for methylene chloride in soil under Method A, Industrial Land Use (mg/Kg). This cleanup level is 0.02 mg/Kg (20 ug/Kg). Only one soil sample, BH-5 (10.5-11.5), is above this cleanup level. Methylene chloride was not detected in any of the groundwater samples at a method detection limit of 2.0 ug/L.

**Table 4. Volatile Organics Detected in Soil Samples**

Sample ID		Methylene Chloride (ug/Kg)
BH-2	5-6	14
BH-4	5.5-6.5	19
BH-4	9.5-10.5	12
BH-5	6-7	15
BH-5	10.5-11.5	25
BH-6	7-8	15
BH-7	5-6	19
BH-8	14-15	14

Data shaded in gray indicates constituents that are above cleanup standards.  
All laboratory data may be referenced in Appendix A.

### 3.2.2 Groundwater

Most groundwater samples were below detection levels for volatile organics. Some samples contained traces of toluene, tetrachloroethene, and xylene, as summarized in Table 5. Each of these chemicals has a Federal Primary MCL, to which the sample results were compared for cleanup levels. The MCLs for toluene, tetrachloroethene, and xylene are 5 ug/L, 1000 ug/L, and 10,000 ug/L, respectively. None of the sample results exceed these MCLs. Traces of toluene are sometimes detected as a result of laboratory operations, which is possible in this case.

**Table 5. Volatile Organics Detected in Groundwater Samples**

Sample ID	VOC Constituents (ug/L)		
	Toluene	Tetrachloroethene	m,p-Xylenes
BH-1	1.2	1.2	0.53
BH-6	0.94	ND	ND
BH-7	0.73	ND	ND

All laboratory data may be referenced in Appendix A.  
ND = Non-detect

### 3.3 Oil and Grease

#### 3.3.1 Soil

Most soil samples were under detection limits for oil and grease. The only detection appeared at borehole BH-8, at or near the ground surface. The result is summarized in Table 6. This detection of oil and grease is above background and would indicate the presence of petroleum. No VOCs or semi-VOCs were detected in BH-8 soil samples other than methylene chloride, indicating that this is likely a heavy petroleum such as oil. Since it is isolated and near the surface, it may indicate a small spill.

The CLARC query provided a cleanup level for TPH, diesel range organics and heavy oils in soil under Method A, Industrial Land Use (mg/Kg). This cleanup level is 2,000 mg/Kg. The detection of oil and grease in BH-8 (0-1) does not exceed this level.



**Table 6. Oil and Grease Detected in Soil Samples**

Sample ID		Oil and Grease (mg/Kg)
BH-8	0-1	480

All laboratory data may be referenced in Appendix A.

### 3.3.2 Groundwater

All groundwater samples were below detection levels for oil and grease.

## 3.4 PCBs

### 3.4.1 Soil

All soil samples were below detection levels for PCBs.

### 3.4.2 Groundwater

All groundwater samples were below detection levels for PCBs.

## 3.5 Pesticides

### 3.5.1 Soil

Most soil samples were below detection levels for pesticides. Some chemicals were detected in borehole BH-3, as summarized in Table 7. These chemicals were DDE and DDT. The CLARC query provided a cleanup level for DDE in soil under Method B, Carcinogen, Standard Formula Value, Direct Contact (ingestion only), unrestricted land use (mg/Kg). The CLARC query provided a cleanup level for DDT in soil under Method A, Industrial Land Use, Table Value (mg/Kg). The soil sample results fall far below the cleanup levels of 2.9 mg/Kg (2,900 ug/Kg) for DDE and 4 mg/Kg (4,000 ug/Kg) for DDT.

**Table 7. Pesticides Detected in Soil Samples**

Sample ID		Pesticide Constituents (ug/Kg)	
		DDE	DDT
BH-3	1-2	4.4	6.2

All laboratory data may be referenced in Appendix A.

### 3.5.2 Groundwater

Most groundwater samples were below detection levels for pesticides. Some chemicals were detected in groundwater from boreholes BH-2 and BH-6, as summarized in Table 8. Chemical detected were Chlordane, Endrin, Endosulfan, and DDT. Chlordane and Endrin each have a Federal Primary MCL, to which the sample results were compared. The CLARC query provided a cleanup level for DDT in groundwater under Method A, Table Value (ug/L). The CLARC query provided a cleanup level for Endosulfan in groundwater under Method B, Non-carcinogen, Standard Formula Value (ug/L).

The MCLs for Chlordane and Endrin are both 0.002 mg/L (2 ug/L). None of the sample results exceed these MCLs. The cleanup levels for Endosulfan and DDT are 0.03 ug/L and 96 ug/L, respectively. None of the sample results exceed these cleanup levels.

**Table 8. Pesticides Detected in Groundwater Samples**

Sample ID	Pesticide Constituents (ug/L)			
	Chlordane	Endrin	Endosulfan	DDT
<b>BH-2</b>	0.014	0.015	ND	ND
<b>BH-6</b>	ND	ND	0.011	0.016

All laboratory data may be referenced in Appendix A.

ND = Non-detect

### **3.6 Metals**

#### **3.6.1 Soil**

There were several metals detected in each of the soil samples, as summarized in Table 9. The metals that were detected at least once were arsenic, barium, chromium, lead, and mercury. The CLARC query provided cleanup levels for arsenic, lead, and mercury in soil under Method A, Industrial Land Use, Table Value (mg/Kg). The CLARC query provided cleanup levels for barium in soil under Method B, Non-carcinogen, Standard Formula Value, Direct Contact (ingestion only), unrestricted land use (mg/Kg). The CLARC query did not provide a cleanup level for total chromium in soil. It did, however, provide cleanup levels in soil for chromium(III) and chromium(IV), the most conservative of which was chromium(IV). The Method A, Industrial Land Use, Table Value (mg/Kg) cleanup value in soil for chromium(IV) was used to compare results from the subject property.

The soil cleanup level for arsenic is 20 mg/Kg, barium is 16,000 mg/Kg, chromium(IV) is 19 mg/Kg, lead is 1,000 mg/Kg, and mercury is 2 mg/Kg. No soil sample results exceeded these cleanup levels.

**Table 9. Metals Detected in Soil Samples**

Sample ID		Metal Constituents (mg/Kg)				
		Arsenic	Barium	Chromium	Lead	Mercury
BH-1	0-1	1.1	119.0	6.2	25	ND
	8-9	2.3	112.0	6.9	ND	ND
	14-15	2.4	159.0	12.0	ND	ND
BH-2	0-1	1.4	137.0	9.6	ND	0.04
	5-6	ND	84.9	5.0	ND	ND
	10-11	2.4	159.0	14.0	ND	ND
BH-3	0-1	2.1	194.0	7.5	ND	0.03
	6-7	ND	99.4	ND	ND	ND
	10-11	1.5	100.0	9.0	ND	ND
BH-4	0-1	1.7	114.0	7.1	ND	ND
	5.5-6.5	1.7	116.0	9.3	ND	ND
	9.5-10.5	2.3	123.0	9.5	ND	ND
BH-5	0-1	1.5	103.0	6.1	ND	ND
	6-7	ND	123.0	6.6	ND	ND
	10.5-11.5	2.0	93.2	7.7	ND	ND
BH-6	0-1	2.1	142.0	8.4	ND	ND
	7-8	2.1	139.0	8.9	ND	ND
	14.5-15.5	1.7	140.0	11.0	ND	ND
BH-7	0-1	1.5	111.0	7.3	ND	ND
	5-6	1.4	45.0	4.3	ND	ND
	10-11	1.7	99.7	8.4	ND	ND
BH-8	0-1	1.2	113.0	6.6	ND	0.10
	7.5-8.5	ND	32.1	2.4	ND	ND
	14-15	1.9	147.0	11.0	ND	0.03

All laboratory data may be referenced in Appendix A.

ND = Non-detect

### 3.6.2 Groundwater

There were several metals detected in each of the groundwater samples, as summarized in Table 10. The metals that were detected at least once were arsenic, barium, cadmium, chromium, lead, and mercury. Each of these metals has a Federal Primary MCL. The MCL for arsenic is 0.01 mg/L (10 ug/L), barium is 2 mg/L (2,000 ug/L), cadmium is 0.005 mg/L (5 ug/L), chromium is 0.1 mg/L (100 ug/L), lead is 0.015 mg/L (15 ug/L), and mercury is 0.002 mg/L (2 ug/L). Several of the metals detected in the groundwater samples exceeded these MCLs. These exceedances are highlighted in Table 10.

**Table 10. Metals Detected in Groundwater Samples**

Sample ID	Metal Constituents (ug/Kg)					
	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury
BH-1	ND	153	ND	10.6	11.8	ND
BH-2	9.0	1,060	ND	78	26.9	ND
BH-3	9.8	21,700	43	361	62.4	1.1
BH-4	ND	5,120	15.7	285	51.9	1.2
BH-6	ND	1,180	ND	68.7	36.0	ND
BH-7	ND	285	ND	14.3	15.2	ND

Data shaded in gray indicates constituents that are above cleanup standards.

All laboratory data may be referenced in Appendix A.

ND = Non-detect

### 3.7 Laboratory QA/QC

According to the case narrative from Columbia Analytical Services, there were no anomalies associated with the analysis of the samples for total metals or oil and grease. The remainder of the analyses experienced some normal issues such as elevated method reporting limits or calibration exceptions. These issues appeared to be handled appropriately and the data appears to be reliable. The full case narrative is included in Appendix A.

## 4.0 Summary

One soil sample analyzed contained a constituent at a concentration above cleanup levels. The constituent was methylene chloride. Methylene chloride is used in various industrial processes in many different industries including paint stripping, pharmaceutical manufacturing, paint remover manufacturing, metal cleaning and degreasing, and so forth (OSHA, 2005). The borehole that contained this constituent at above the cleanup level of 20 ug/Kg was BH-5 at a depth of 10.5 to 11.5 feet below ground. The concentration was 25 ug/Kg. This borehole is located on the east side of the proposed roadway, approximately midway between the northern and southern extents of the property. As stated in the field notes, this location was surrounded by metal debris piles.

Methylene chloride did not exceed cleanup standards in BH-5 at depths above or below the sample that did exceed the standards. Also, methylene chloride was not detected in any groundwater samples at a detection limit of 2.0 ug/L. Thus, the methylene chloride exceedance appears to be isolated and not widespread within the proposed right-of-way.

Several groundwater samples were found to contain metals above the Federal Primary Maximum Contaminant Levels. In boreholes BH-2, BH-6, and BH-7, lead was the only contaminant above the cleanup level of 15 ug/L. Borehole BH-2 is at the southern end of the proposed alignment, located in an area used to store creosote poles and north of a field used for agriculture. Boreholes BH-6 and BH-7 are located in the northern third of the proposed alignment on the west and east side, respectively. Various metal piles and partial vehicles surrounded the location of BH-7.

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Boreholes BH-3 and BH-4 contained barium, cadmium, chromium, and lead at levels higher than Federal Primary MCLs. Boring BH-3 was located adjacent to the access roadway and next to a pile of large fuel tanks and empty 55-gallon drums at the southwest corner of the proposed road alignment. The drums were labeled as Apple Juice Concentrate. Boring BH-4 was located on the access roadway and surrounded by miscellaneous metal debris piles, old vehicles, and machinery on the west side of the proposed road alignment just south of the north-south mid-point.

The GeoProbe system collects discrete groundwater samples at the soil/groundwater interface. The water samples were reported as "very turbid." Thus, it is possible that the analysis may reflect not only dissolved metals but metals associated with sediment. Turbidity was present in all samples. However, several soil samples contained metals at levels far in excess of cleanup levels. These metals did not exceed cleanup standards in soil samples from the same borings as the groundwater samples.

Based on the soil and groundwater results, and given the historic use of the property, several recommendations are made:

- The County should seek environmental indemnification from the site owner for potential contamination. This would need to be discussed with an attorney as to the applicability of such an indemnification.
- If indemnification is not considered to be protective, it is recommended that the County install shallow monitoring wells to further assess groundwater quality and groundwater gradient. These wells would be used to collect groundwater samples over a screened interval (typically a 10-foot interval) and would allow for the determination of groundwater flow direction. Based on analytical results and flow direction information it should be possible to determine if there is metal contamination that exceeds clean up standards and also allow for the assessment for migration of contamination onto and/or off the site.
- It is recommended that storm water management facilities that involve infiltration of runoff should be re-located off of the subject property to the extent prudent and cost effective.
- Right-of-way negotiations should include a requirement for the subject property owner to remove all above-ground materials from within the proposed right-of-way limits.

The subject property is approximately 21 acres in size; however, this investigation focused in the area of the proposed alignment and right-of-way boundaries. Should it be determined that more property will be purchased than the proposed alignment right-of-way depicted in Figure 4, additional investigations may be warranted.

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## 4.1 Construction Considerations

This investigation encountered soils containing hazardous materials, though not at excessively high levels to drive a cleanup. Nonetheless, given site history of chemical storage and use it is possible that additional contamination may be encountered during construction activities. It is recommended that the construction manager be made aware of the potential to encounter contaminated soils and that a plan be in place that outlines how to recognize and respond if such soils and/or groundwater is encountered.

Contractors and their employees should also be made aware of the site history and potential for encountering hazardous materials during construction. If hazardous materials are encountered (i.e., stained soil, odor, buried drum, etc.), construction in the immediate area of the discovery should be stopped and the construction manager notified of the discovery. It is important not to make the contamination worse by spreading the material to non-impacted areas. The construction manager should be trained in recognizing hazardous materials, and if the discovery of hazardous materials is confirmed, it should be reported to the proper authorities.

The following measures should be implemented to minimize impacts from the discovery of hazardous materials during construction activities:

- The contractor should be required to have a site Health and Safety Plan that describes the potential for encountering hazardous materials.
- Construction managers should be trained to recognize hazardous materials that could be encountered during construction near or adjacent to the project right-of-way. Workers should be apprised of the possibility of encountering contaminated materials and areas.
- The contractor should immediately notify the construction manager who will in turn notify the appropriate authorities if an underground storage tank, buried drum, contaminated soil, or other hazardous material or debris not scheduled for removal under the contract is discovered during construction.
- If debris, soil, and/or vegetation on the site is to be cleared for fill, the cleared material should not be hauled off-site until further evaluated. Materials removed from the site should be initially stockpiled on-site, a sample taken, and the sampled forwarded to a Washington-certified testing laboratory to run a Toxic Characteristic Leaching Procedure (TCLP) test. This test will confirm whether or not the stockpiled soil is potentially hazardous waste, and will therefore determine required disposal method.

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## 5.0 References

- HDR Engineering, "Phase I Environmental Site Assessment, Myra Road Extension Project, Salvage Yard", prepared for Walla Walla County, dated August 2005.
- Washington State Department of Ecology, Chemical Levels and Risk Calculations, website address <https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx>, viewed December 2005 and January 2006.
- U.S. Department of Labor, Occupational Safety and Health Administration, "Safety and Health Topics: Methylene Chloride", website address <http://www.osha.gov/SLTC/methylenechloride/>, viewed December 28, 2005.





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## Appendix A

### Laboratory Report



December 12, 2005

Service Request No: K0505432

Corrie Hugaboom  
HDR Engineering  
412 East Park Center Boulevard, Suite 100  
Boise, ID 83706

**RE: Myra Road**

Dear Corrie:

Enclosed are the results of the sample(s) submitted to our laboratory on November 2, 2005. For your reference, these analyses have been assigned our service request number K0505432.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291.


Respectfully submitted,

Columbia Analytical Services, Inc.



Ed Wallace  
Project Chemist

EW/jeb

Page 1 of 

## Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

### Inorganic Data Qualifiers

- \* The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

### Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- \* The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

### Organic Data Qualifiers

- \* The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

### Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

## **Case Narrative**

COLUMBIA ANALYTICAL SERVICES, INC.

Client: HDR Engineering  
Project: Myra road  
Sample Matrix: Soil

Service Request No.: K0505432  
Date Received: 11/02/05

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Laboratory Duplicate (DUP), Matrix Spike (MS), Matrix/Duplicate Matrix Spike (MS/DMS), Laboratory Control Sample (LCS), and Laboratory/Duplicate Laboratory Control Sample (LCS/DLCS).

**Sample Receipt**

Thirty-five soil samples were received for analysis at Columbia Analytical Services on 11/02/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C/frozen at -20°C upon receipt at the laboratory.

**Total Metals**

No anomalies associated with the analysis of these samples were observed

**Oil and Grease by EPA Method 1664**

No anomalies associated with the analysis of these samples were observed

**Organochlorine Pesticides by EPA Method 8081A**

**Sample Confirmation Notes:**

The confirmation comparison criterion of 40% difference for a few analytes was exceeded in several samples. The higher of the two values is reported because no evidence of a peak anomaly was observed or the lower of the two values was reported because of an apparent interference on the alternate column that produced the higher value.

**Elevated Method Reporting Limits:**

The reporting limit is elevated for a few analytes in a few samples. The chromatogram indicated the presence of non-target background components. The matrix interference prevented adequate resolution of the target compounds at the reporting limit. The results are flagged to indicate the matrix interference.

**Continuing Calibration Verification Exceptions:**

The primary evaluation criterion was exceeded for the following analytes in Continuing Calibration Verification (CCV) 1122F052, 1123F021: Decachlorobiphenyl, delta-BHC, and Toxaphene. In accordance with CAS standard operating procedures, the alternative evaluation specified in the EPA method was performed using the average percent recovery of all analytes in the verification standard. The standard meets the alternative evaluation criteria.

Approved by \_\_\_\_\_

*EW*

Date

*12/13/05*

## PCB Aroclors by EPA Method 8082

### **Continuing Calibration Verification Exceptions:**

The primary evaluation criterion was exceeded for the following analytes in Continuing Calibration Verification (CCV) 1117F035, 1117F047: Decachlorobiphenyl. In accordance with CAS standard operating procedures, the alternative evaluation specified in the EPA method was performed using the average percent recovery of all analytes in the verification standard. The standard meets the alternative evaluation criteria.

## Volatile Organic Compounds by EPA Method 8260B

### **Initial Calibration Exceptions:**

The primary evaluation criterion was exceeded for the following analytes in Initial Calibration (ICAL) ID CAL4883: Methylene Chloride, Carbon Tetrachloride, and 1,1-Dichloropropene. In accordance with CAS standard operating procedures, the alternative evaluation specified in the EPA method was performed using the mean Relative Standard Deviation (RSD) of all analytes in the calibration. The result of the mean RSD calculation was 7.9%. The calibration meets the alternative evaluation criteria. Note that CAS/Kelso policy does not allow the use of averaging if any analyte in the ICAL exceeds 30% RSD.

The primary evaluation criterion was exceeded for the following analytes in Initial Calibration (ICAL) ID CAL4881: 2-Hexanone, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, Dibromochloromethane, Styrene, , 1,2-Dibromo-3-chloropropane, Naphthalene and Bromoform. In accordance with CAS standard operating procedures, the alternative evaluation specified in the EPA method was performed using the mean Relative Standard Deviation (RSD) of all analytes in the calibration. The result of the mean RSD calculation was 11.1%. The calibration meets the alternative evaluation criteria. Note that CAS/Kelso policy does not allow the use of averaging if any analyte in the ICAL exceeds 30% RSD.

### **Relative Percent Difference Exceptions:**

The Relative Percent Difference (RPD) for the following analytes in the replicate matrix spike analyses of BH-3 10-11 were outside control criteria: Toluene, 1,2-Dichlorobenzene and Naphthalene. In general, the RPD was relatively high for all spiked compounds, which indicates a low bias in the Matrix Spike (MS). All spike recoveries in the MS, DMS, and associated Laboratory Control Sample (LCS) were within acceptance limits, indicating the analytical batch was in control. No further corrective action was appropriate.

## Semivolatile Organic Compounds by EPA Method 8270C

### **Initial Calibration Exceptions:**

The primary evaluation criterion was exceeded for the following analytes in Initial Calibration (ICAL) ID CAL4941: Benzoic Acid, Indeno(1,2,3-cd)Pyrene, Dibenz(a,h)Anthracene. In accordance with CAS standard operating procedures, the alternative evaluation specified in the EPA method was performed using the mean Relative Standard Deviation (RSD) of all analytes in the calibration. The result of the mean RSD calculation was 6.4%. The calibration meets the alternative evaluation criteria. Note that CAS/Kelso policy does not allow the use of averaging if any analyte in the ICAL exceeds 30% RSD.

### **Surrogate Exceptions:**

The control criteria were exceeded for the following surrogates in BH-4 9.5-10.5: Phenol-d6, Nitrobenzene-d5, 2,4,6-Tribromophenol. Since the problem may indicate a potential bias in the analytical results, the sample was re-extracted 2 days past the recommended hold time and reanalyzed. The surrogates met control criteria for the reanalysis. Note the results for the field samples were comparable for both determinations, which indicates the problem with the initial analysis was restricted to the surrogate recovery. Therefore, the results from the original analysis are reported. The data is flagged to indicate the problem.

### **Matrix Spike Recovery Exceptions:**

The upper control criterion was exceeded for the following analyte in Matrix Spike (MS) Batch QCMS: Acenaphthene. The analyte in question was not detected in the associated field samples. The error associated with

Approved by \_\_\_\_\_

*Eww*

Date

*12/13/05*



elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

**Lab Control Sample Exceptions:**

The upper control criterion was exceeded for the following analytes in Laboratory Control Sample (LCS) KWG0519265-2: Bis(2-chloroethoxy)methane, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, Acenaphthylene, Dimethyl Phthalate, Dibenzofuran, 4-Chlorophenyl Phenyl Ether, N-Nitrodiphenylamine, Phenanthrene, Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene. The analytes in question were not detected in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

**Relative Percent Difference Exceptions:**

The Relative Percent Difference (RPD) for the following analytes in the replicate matrix spike analyses of sample BH1 0-1 was outside control criteria: 4-Nitrophenol, Pentachlorophenol. In general, the RPD was relatively high for all spiked compounds, which indicates a low bias in the Matrix Spike Duplicate (MSD). All spike recoveries in the MS, DMS, and associated Laboratory Control Sample (LCS) were within acceptance limits, indicating the analytical batch was in control. No further corrective action was appropriate.

The Relative Percent Difference (RPD) for the following analyte in the replicate Laboratory Control Sample (LCS) analyses (KWG0519345-3 and KWG0519345-4) was outside control criteria: Benzoic Acid. The analyte in question was not detected in the associated field samples. All spike recoveries in the LCS/DLCS were within acceptance limits, indicating the analytical batch was in control. No further corrective action was appropriate.

**Elevated Method Reporting Limits:**

The Method Reporting Limits (MRL) for numerous samples were elevated due to less than optimal sample mass extracted for analysis. The samples contained low percent solids which prevented extraction of the sample mass necessary to achieve target MRLs.

Approved by \_\_\_\_\_

*EMW*

Date

*12/13/05*

## **Chain of Custody Documentation**



# CHAIN OF CUSTODY

SR#: 14805432

Columbia Analytical Services, Inc.  
1 Employee - Owned Company

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 696-1068

PAGE 1 OF 4 COC #

PROJECT NAME myra 2040		PROJECT MANAGER CEREIE HAGENBOOM					
PROJECT ADDRESS 412 E Park Center Blvd Suite 100		CITY/STATE/ZIP Boise, ID 83706					
PHONE # 208 387 7003		FAX # 208 387 7100					
SAMPLER'S SIGNATURE <i>[Signature]</i>		DATE 11/1/05					
SAMPLE ID	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>	
BH1 0-1	11/1/05	0840	5	3	7	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	
BH1 1-1.5		0840		1		Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	
BH1 8-8.5		0845		3	X	<input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	
BH1 14-14.5		0850		3	X	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	
BH-2 0-1		0920			X	PCB's Aroclors <input type="checkbox"/> 8082 <input type="checkbox"/>	
BH-2 1-2.5		0925			X	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	
BH-2 5-5.5		0930			X	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
BH-2 10-11		0935			X	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	
BH-3 0-1		1020			X	Metals, Total or Dissolved (See list below)	
BH-3 1-1.5		1025			X	Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	
						pH, Cond., Cl, SO <sub>4</sub> , PO <sub>4</sub> , F, NO <sub>2</sub> , NO <sub>3</sub> , BOD, TSS, TDS (circle)	
						NH <sub>3</sub> -N, COD, Total-P, TKN, TOC, DOC (circle) NO <sub>2</sub> +NO <sub>3</sub>	
						TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	
						REMARKS	

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. #

Bill To:

TURNAROUND REQUIREMENTS

24 hr. 48 hr.

5 Day

Standard (10-15 working days)

Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

\*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

RELINQUISHED BY: <i>[Signature]</i> Date/Time 11/2/05 11:00 3rd N	RECEIVED BY: <i>[Signature]</i> Date/Time 11/2/05 1:36 F	RELINQUISHED BY: <i>[Signature]</i> Date/Time 11/2/05 3:00 jim	RECEIVED BY: <i>[Signature]</i> Date/Time 11/2/05 1530 F
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# CHAIN OF CUSTODY

PAGE 2

OF 4

COC #

SR#:

18505432

PROJECT NUMBER MUEA 2000		PROJECT MANAGER CORIE HANCOCK	
COMPANY ADDRESS 412 E. Park Center Blvd Suite 100 Boise, ID 83706		CITY/STATE/ZIP	
PHONE # 208 387 7003		FAX #	
SAMPLE'S SIGNATURE <i>[Signature]</i>		DATE	
SAMPLE ID	DATE	TIME	LAB ID
BH-3 6-7	11/1/05	1030	5
BH-3 10-11		1035	
BH-4 0-1		1110	
BH-4 5.5-6.5		1115	
BH-4 9.5-10.5		1120	
BH-5 0-1		1210	
BH-5 1-2		1211	
BH-5 10.5-11.5		1220	
BH-6 0-1		1250	
BH-6 7-8		1315	

NUMBER OF CONTAINERS	
Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input checked="" type="checkbox"/> 8270LL <input type="checkbox"/>	
Volatile Organics 624 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	
Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	
Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	
Oil & Grease/TPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	
PCB's Aroclors <input checked="" type="checkbox"/> 8082 Congeners <input type="checkbox"/>	
Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	
Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	
Metals, Total or Dissolved (See list below)	
Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	
pH, Cond., Cl, SO <sub>4</sub> , PO <sub>4</sub> , F, NO <sub>2</sub> , NO <sub>3</sub> , BOD, TSS, TDS (circle)	
NH <sub>3</sub> -N, COD, Total-P, TKN, TOC, DOC (circle) NO <sub>2</sub> +NO <sub>3</sub>	
TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	
REMARKS	

REPORT REQUIREMENTS		INVOICE INFORMATION	
I. Routine Report: Method Blank, Surrogate, as required		P.O. #	
II. Report Dup., MS, MSD as required		Bill To:	
III. Data Validation Report (includes all raw data)		TURNAROUND REQUIREMENTS	
IV. CLP Deliverable Report		24 hr. _____ 48 hr. _____	
V. EDO		5 Day _____	
		Standard (10-15 working days) <input checked="" type="checkbox"/>	
		Provide FAX Results _____	
RELINQUISHED BY:		RECEIVED BY:	
Signature <i>[Signature]</i>	Date/Time 11/15/05	Signature <i>[Signature]</i>	Date/Time 11/20/05
Printed Name <i>[Name]</i>	Firm <i>[Firm]</i>	Signature <i>[Signature]</i>	Date/Time 11/20/05
		Printed Name <i>[Name]</i>	Firm <i>[Firm]</i>
RELINQUISHED BY:		RECEIVED BY:	
Signature <i>[Signature]</i>	Date/Time 11/15/05	Signature <i>[Signature]</i>	Date/Time 11/20/05
Printed Name <i>[Name]</i>	Firm <i>[Firm]</i>	Signature <i>[Signature]</i>	Date/Time 11/20/05
		Printed Name <i>[Name]</i>	Firm <i>[Firm]</i>



1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

# CHAIN OF CUSTODY

PAGE 3 OF 4

SR#: 6010/7470

PROJECT NAME: MYRZA ROMO

PROJECT MANAGER: CORRIE HAGA ROOM

COMPANY ADDRESS: 412 E PAR CENTER BLDG

CITY/STATE/ZIP: BOISE, ID 83700

PHONE # 208 387 7003 FAX#

SAMPLER'S SIGNATURE: [Signature]

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input checked="" type="checkbox"/> 8270LL <input type="checkbox"/>	Volatile Organics 624 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/>	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	Fuel Fingerprint (FIQ) Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	Metals, Total or Dissolved (See list below)	Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	pH, Cond., Cl, SO <sub>4</sub> , PO <sub>4</sub> , F, NO <sub>2</sub> , NO <sub>3</sub> , BOD, TSS, TDS (circle)	NH <sub>3</sub> -N, COD, Total-P, TKN, TOC, DOC (circle) NO <sub>2</sub> +NO <sub>3</sub>	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	REMARKS
BH-6 14-5-15.5 u/l/108	1320		5			X	X	X	X	X	X	X	X	X					
BH-7 0-1	1400					X	X	X	X	X	X	X	X	X					
BH-7 5-6	1420					X	X	X	X	X	X	X	X	X					
BH-7 10-11	1425					X	X	X	X	X	X	X	X	X					
BH-8 0-1	1515					X	X	X	X	X	X	X	X	X					
BH-8 2.5-2.5	1525					X	X	X	X	X	X	X	X	X					
BH-8 14-15	1535					X	X	X	X	X	X	X	X	X					
BH-8 1-2	1520					X	X	X	X	X	X	X	X	X					
BH-5 6-7	1215		3			X	X	X	X	X	X	X	X	X					

## REPORT REQUIREMENTS

- I. Routine Report: Method Blank, Surrogate, as required
- II. Report Dup., MS, MSD as required
- III. Data Validation Report (includes all raw data)
- IV. CLP Deliverable Report
- V. EDD

## INVOICE INFORMATION

P.O. #  
BILL TO:

## TURNAROUND REQUIREMENTS

24 hr. 48 hr.  
5 Day  
Standard (10-15 working days)  
Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg  
Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

\*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WA NORTHWEST OTHER: (CIRCLE ONE)

RELINQUISHED BY:

Signature Date/Time

ed N: m

RECEIVED BY:

Signature Date/Time

Pin

RELINQUISHED BY:

Signature Date/Time

Pin

RECEIVED BY:

Signature Date/Time

Pin name



## Cooler Receipt and Preservation Form

Project/Client John Harrie Consult. Service Request K05 5432Cooler received on 10/2/05 and opened on 11/2/05 by J. Black

1. Were custody seals on outside of coolers?

Y ☒

If yes, how many and where? \_\_\_\_\_

2. Were custody seals intact?

Y ☒

3. Were signature and date present on the custody seals?

Y ☒4. Is the shipper's airbill available and filed? If no, record airbill number: Barbie CarrierY ☒

5. COC#

Temperature of cooler(s) upon receipt: (°C)

4.75.64.66.0

Temperature Blank: (°C)

3.84.25.25.8

Were samples hand delivered on the same day as collection?

☒ Y ☐ N

6. Were custody papers properly filled out (ink, signed, etc.)?

☒ Y ☐ N7. Type of packing material present bag - vials - loose ice

8. Did all bottles arrive in good condition (unbroken)?

☒ Y ☐ N

9. Were all bottle labels complete (i.e analysis, preservation, etc.)?

☒ Y ☐ N

10. Did all bottle labels and tags agree with custody papers?

☒ Y ☐ N

11. Were the correct types of bottles used for the tests indicated?

☒ Y ☐ N

12. Were all of the preserved bottles received at the lab with the appropriate pH?

☒ Y ☐ N

13. Were VOA vials checked for absence of air bubbles, and if present, noted below?

☒ Y ☐ N

14. Were the 1631 Mercury bottles checked for absence of air bubbles, and if present, noted below?

☒ Y ☐ N

15. Did the bottles originate from CAS/K or a branch laboratory?

☒ Y ☐ N

16. Are CWA Microbiology samples received with &gt;1/2 the 24hr. hold time remaining from collection?

☒ Y ☐ N

17. Was C12/Res negative?

☒ Y ☐ N

Explain any discrepancies: \_\_\_\_\_

RESOLUTION: \_\_\_\_\_

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

## **Total Solids**



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

## Total Solids

Analysis Method: NONE  
 Analysis Method: 160.3M  
 Test Notes:

Units: PERCENT  
 Basis: Wet

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
BH1 0-1	K0505432-001	11/01/2005	11/02/2005	11/03/2005	93.5	
BH1 1-1.5	K0505432-002	11/01/2005	11/02/2005	11/03/2005	93.3	
I1 8-9	K0505432-003	11/01/2005	11/02/2005	11/03/2005	77.8	
I1 14-15	K0505432-004	11/01/2005	11/02/2005	11/03/2005	70.9	
BH-2 0-1	K0505432-005	11/01/2005	11/02/2005	11/03/2005	77.5	
I-2 1-2	K0505432-006	11/01/2005	11/02/2005	11/03/2005	76.3	
I-2 5-6	K0505432-007	11/01/2005	11/02/2005	11/03/2005	66.4	
BH2 10-11	K0505432-008	11/01/2005	11/02/2005	11/03/2005	73.7	
BH-3 0-1	K0505432-009	11/01/2005	11/02/2005	11/03/2005	77.5	
I-3 1-2	K0505432-010	11/01/2005	11/02/2005	11/03/2005	77.9	
I-3 6-7	K0505432-011	11/01/2005	11/02/2005	11/03/2005	60.8	
BH-3 10-11	K0505432-012	11/01/2005	11/02/2005	11/03/2005	70.5	
I-4 0-1	K0505432-013	11/01/2005	11/02/2005	11/03/2005	80.1	
I-4 5.5-6.5	K0505432-014	11/01/2005	11/02/2005	11/03/2005	78.7	
BH-4 9.5-10.5	K0505432-015	11/01/2005	11/02/2005	11/03/2005	71.8	
I-5 0-1	K0505432-016	11/01/2005	11/02/2005	11/03/2005	87.5	
I-5 1-2	K0505432-017	11/01/2005	11/02/2005	11/03/2005	84.2	
BH-5 10.5-11.5	K0505432-018	11/01/2005	11/02/2005	11/03/2005	74.8	
BH-6 0-1	K0505432-019	11/01/2005	11/02/2005	11/03/2005	86.7	
I-6 7-8	K0505432-020	11/01/2005	11/02/2005	11/03/2005	72.4	
I-6 14.5-15.5	K0505432-021	11/01/2005	11/02/2005	11/03/2005	72.0	
BH-7 0-1	K0505432-022	11/01/2005	11/02/2005	11/03/2005	93.3	
I-7 5-6	K0505432-023	11/01/2005	11/02/2005	11/03/2005	76.5	
I-7 10-11	K0505432-024	11/01/2005	11/02/2005	11/03/2005	78.2	
BH-8 0-1	K0505432-025	11/01/2005	11/02/2005	11/03/2005	90.7	
BH-8 7.5-8.5	K0505432-026	11/01/2005	11/02/2005	11/03/2005	78.9	
I-8 14-15	K0505432-027	11/01/2005	11/02/2005	11/03/2005	69.9	
BH-8 1-2	K0505432-028	11/01/2005	11/02/2005	11/03/2005	83.6	
BH-5 6-7	K0505432-029	11/01/2005	11/02/2005	11/03/2005	75.0	

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005  
Date Analyzed: 11/03/2005

**Duplicate Sample Summary**  
**Total Solids**

Prep Method: NONE  
Analysis Method: 160.3M  
Test Notes:

Units: PERCENT  
Basis: Wet

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
BH-3 1-2	K0505432-010	77.9	78.2	78.1	<1	

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005  
Date Analyzed: 11/03/2005

Duplicate Sample Summary  
Total Solids

Prep Method: NONE  
Analysis Method: 160.3M  
Test Notes:

Units: PERCENT  
Basis: Wet

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
BH-6 7-8	K0505432-020	72.4	73.1	72.8	<1	

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005  
Date Analyzed: 11/03/2005

**Duplicate Sample Summary**  
**Total Solids**

Prep Method: NONE  
Analysis Method: 160.3M  
Test Notes:

Units: PERCENT  
Basis: Wet

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
BH-5 6-7	K0505432-029	75.0	74.5	74.8	<1	

## **Metals**

- Cover Page -  
INORGANIC ANALYSIS DATA PACKAGE

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA

Service Request : K0505432

---

Sample Name :

Batch QC  
Batch QC  
BH-1  
BH-1  
BH-1  
BH-2  
BH-3  
BH-4  
BH-6  
BH-7  
BH-7  
BH-7  
Method Blank

Lab Code :

K0505352-004D  
K0505352-004S  
K0505432-030  
K0505432-030D  
K0505432-030S  
K0505432-031  
K0505432-032  
K0505432-033  
K0505432-034  
K0505432-035  
K0505432-035D  
K0505432-035S  
K0505432-MB

Comments:

Approved By: \_\_\_\_\_



Date: \_\_\_\_\_

12/10/05

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Water

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/10/05

## Total Metals

Sample Name : BH-1  
Lab Code : K0505432-030

Units : ug/L (ppb)  
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	8.0	11/16/05	ND	
Barium	6010B	5.0	11/14/05	153	
Cadmium	6010B	5.0	11/14/05	ND	
Chromium	6010B	5.0	11/14/05	10.6	
Lead	7421	2.0	12/02/05	11.8	
Mercury	7470A	0.2	11/15/05	ND	
Selenium	7740	10	11/29/05	ND	
Silver	6010B	10	11/14/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Water

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/10/05

## Total Metals

Sample Name : BH-2  
Lab Code : K0505432-031

Units : ug/L (ppb)  
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	8.0	11/16/05	9.0	
Barium	6010B	10	11/14/05	1060	
Cadmium	6010B	10	11/14/05	ND	
Chromium	6010B	10	11/14/05	78	
Lead	7421	2.0	12/02/05	26.9	
Mercury	7470A	0.2	11/15/05	ND	
Selenium	7740	10	11/29/05	ND	
Silver	6010B	20	11/14/05	ND	

Comments:



# Analytical Report

**Client :** HDR Engineering  
**Project Name :** Myra Road  
**Project No. :** NA  
**Matrix :** Water

**Service Request :** K0505432  
**Date Collected :** 11/01/05  
**Date Received :** 11/02/05  
**Date Extracted :** 11/10/05

## Total Metals

**Sample Name :** BH-3  
**Lab Code :** K0505432-032

**Units :** ug/L (ppb)  
**Basis :** NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	8.0	11/16/05	9.8	
Barium	6010B	10	11/14/05	21700	
Cadmium	6010B	10	11/14/05	43	
Chromium	6010B	10	11/14/05	361	
Lead	7421	2.0	12/02/05	62.4	
Mercury	7470A	0.2	11/15/05	1.1	
Selenium	7740	10	11/29/05	ND	
Silver	6010B	20	11/14/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Water

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/10/05

## Total Metals

Sample Name : BH-4  
Lab Code : K0505432-033

Units : ug/L (ppb)  
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	8.0	11/16/05	ND	
Barium	6010B	5.0	11/14/05	5120	
Cadmium	6010B	5.0	11/14/05	15.7	
Chromium	6010B	5.0	11/14/05	285	
Lead	7421	2.0	12/02/05	51.9	
Mercury	7470A	0.2	11/15/05	1.2	
Selenium	7740	10	11/29/05	ND	
Silver	6010B	10	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Water

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/10/05

## Total Metals

Sample Name : BH-6  
Lab Code : K0505432-034

Units : ug/L (ppb)  
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	8.0	11/16/05	ND	
Barium	6010B	5.0	11/14/05	1180	
Cadmium	6010B	5.0	11/14/05	ND	
Chromium	6010B	5.0	11/14/05	68.7	
Lead	7421	2.0	12/02/05	36.0	
Mercury	7470A	0.2	11/15/05	ND	
Selenium	7740	10	11/29/05	ND	
Silver	6010B	10	11/14/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Water

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/10/05

## Total Metals

Sample Name : BH-7  
Lab Code : K0505432-035

Units : ug/L (ppb)  
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	8.0	11/16/05	ND	
Barium	6010B	5.0	11/14/05	285	
Cadmium	6010B	5.0	11/14/05	ND	
Chromium	6010B	5.0	11/14/05	14.3	
Lead	7421	2.0	12/02/05	15.2	
Mercury	7470A	0.2	11/15/05	ND	
Selenium	7740	10	11/29/05	ND	
Silver	6010B	10	11/14/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Water

Service Request : K0505432  
Date Collected : NA  
Date Received : NA  
Date Extracted : 11/10/05

## Total Metals

Sample Name : Method Blank  
Lab Code : K0505432-MB

Units : ug/L (ppb)  
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	8.0	11/16/05	ND	
Barium	6010B	5.0	11/14/05	ND	
Cadmium	6010B	5.0	11/14/05	ND	
Chromium	6010B	5.0	11/14/05	ND	
Lead	7421	2.0	12/02/05	ND	
Mercury	7470A	0.2	11/15/05	ND	
Selenium	7740	10	11/29/05	ND	
Silver	6010B	10	11/14/05	ND	

Comments:

# QA/QC Report

Client : HDR Engineering  
 Project Name : Myra Road  
 Project No. : NA  
 Matrix : Water

Service Request : K0505432  
 Date Collected : 11/01/05  
 Date Received : 11/02/05  
 Date Extracted : 11/10/05  
 Date Analyzed : 11/16-12/02/05

## Duplicate Summary Total Metals

Sample Name : BH-1  
 Lab Code : K0505432-030D

Units : ug/L (ppb)  
 Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Arsenic	7060A	8.0	ND	ND	ND	-	
Lead	7421	2.0	11.8	11.7	11.7	<1	
Selenium	7740	10	ND	ND	ND	-	

Comments:

# QA/QC Report

Client : HDR Engineering  
 Project Name : Myra Road  
 Project No. : NA  
 Matrix : Water

Service Request : K0505432  
 Date Collected : 11/01/05  
 Date Received : 11/02/05  
 Date Extracted : 11/10/05  
 Date Analyzed : 11/16-12/05/05

## Matrix Spike Summary Total Metals

Sample Name : BH-1  
 Lab Code : K0505432-030S

Units : ug/L (ppb)  
 Basis : NA

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Arsenic	8.0	40	ND	35.3	88	60-120	
Lead	4.0	40	11.8	56.0	111	62-123	
Selenium	10	40	ND	29.9	75	31-125	

Comments:

# QA/QC Report

Client : HDR Engineering  
 Project Name : Myra Road  
 Project No. : NA  
 Matrix : Water

Service Request : K0505432  
 Date Collected : 11/01/05  
 Date Received : 11/02/05  
 Date Extracted : 11/10/05  
 Date Analyzed : 11/14/05

## Duplicate Summary Total Metals

Sample Name : BH-7  
 Lab Code : K0505432-035D

Units : ug/L (ppb)  
 Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Barium	6010B	5.0	285	297	291	4	
Cadmium	6010B	5.0	ND	ND	ND	-	
Chromium	6010B	5.0	14.3	16.1	15.2	12	
Silver	6010B	10	ND	ND	ND	-	

Comments:



# QA/QC Report

Client : HDR Engineering  
 Project Name : Myra Road  
 Project No. : NA  
 Matrix : Water

Service Request : K0505432  
 Date Collected : 11/01/05  
 Date Received : 11/02/05  
 Date Extracted : 11/10/05  
 Date Analyzed : 11/14/05

## Matrix Spike Summary Total Metals

Sample Name : BH-7  
 Lab Code : K0505432-035S

Units : ug/L (ppb)  
 Basis : NA

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Barium	5.0	2000	285	2330	102	91-111	
Cadmium	5.0	50	ND	51.5	103	73-123	
Chromium	5.0	200	14.3	219	102	76-127	
Silver	10	50	ND	46.3	93	76-121	

Comments:

# QA/QC Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Water

Service Request : K0505432  
Date Collected : NA  
Date Received : NA  
Date Extracted : 11/10/05  
Date Analyzed : 11/15/05

## Duplicate Summary Total Metals

Sample Name : Batch QC  
Lab Code : K0505352-004D

Units : ug/L (ppb)  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Mercury	7470A	0.2	ND	ND	ND	-	

Comments:

# QA/QC Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Water

Service Request : K0505432  
Date Collected : NA  
Date Received : NA  
Date Extracted : 11/10/05  
Date Analyzed : 11/15/05

## Matrix Spike Summary Total Metals

Sample Name : Batch QC  
Lab Code : K0505352-004S

Units : ug/L (ppb)  
Basis : NA

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Mercury	0.2	1.2	ND	1.0	87	72-121	

Comments:

- Cover Page -  
INORGANIC ANALYSIS DATA PACKAGE

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA

Service Request : K0505432


Sample Name :

Lab Code :

BH1 0-1	K0505432-001
BH1 0-1	K0505432-001D
BH1 0-1	K0505432-001S
BH1 8-9	K0505432-003
BH-1 14-15	K0505432-004
BH-2 0-1	K0505432-005
BH-2 5-6	K0505432-007
BH2 10-11	K0505432-008
BH-3 0-1	K0505432-009
BH-3 6-7	K0505432-011
BH-3 10-11	K0505432-012
BH-4 0-1	K0505432-013
BH-4 5.5-6.5	K0505432-014
BH-4 9.5-10.5	K0505432-015
BH-5 0-1	K0505432-016
BH-5 10.5-11.5	K0505432-018
BH-6 0-1	K0505432-019
BH-6 7-8	K0505432-020
BH-6 14.5-15.5	K0505432-021
BH-7 0-1	K0505432-022
BH-7 5-6	K0505432-023
BH-7 10-11	K0505432-024
BH-8 0-1	K0505432-025
BH-8 0-1	K0505432-025D
BH-8 0-1	K0505432-025S
BH-8 7.5-8.5	K0505432-026
BH-8 14-15	K0505432-027
BH-5 6-7	K0505432-029
Method Blank	K0505432-MB
Method Blank	K0505432-MB2

Comments:

Approved By: \_\_\_\_\_



Date: \_\_\_\_\_

12/10/05

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH1 0-1  
Lab Code : K0505432-001

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	1.1	
Barium	6010B	1	11/17/05	119	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	6.2	
Lead	6010B	20	11/17/05	25	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH1 8-9  
Lab Code : K0505432-003

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	2.3	
Barium	6010B	1	11/17/05	112	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	6.9	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-1 14-15  
Lab Code : K0505432-004

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	2.4	
Barium	6010B	1	11/17/05	159	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	12	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-2 0-1  
Lab Code : K0505432-005

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	1.4	
Barium	6010B	1	11/17/05	137	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	9.6	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	0.04	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:



# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-2 5-6  
Lab Code : K0505432-007

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	ND	
Barium	6010B	1	11/17/05	84.9	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	5.0	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH2 10-11  
Lab Code : K0505432-008

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	2.4	
Barium	6010B	1	11/17/05	159	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	14.0	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

**Client :** HDR Engineering  
**Project Name :** Myra Road  
**Project No. :** NA  
**Matrix :** Soil

**Service Request :** K0505432  
**Date Collected :** 11/01/05  
**Date Received :** 11/02/05  
**Date Extracted :** 11/09-18/05

## Total Metals

**Sample Name :** BH-3 0-1  
**Lab Code :** K0505432-009

**Units :** mg/Kg (ppm)  
**Basis :** Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	2.1	
Barium	6010B	1	11/17/05	194	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	7.5	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	0.03	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-3 6-7  
Lab Code : K0505432-011

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	ND	
Barium	6010B	1	11/17/05	99.4	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	ND	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-3 10-11  
Lab Code : K0505432-012

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	1.5	
Barium	6010B	1	11/17/05	100	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	9.0	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-4 0-1  
Lab Code : K0505432-013

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	1.7	
Barium	6010B	1	11/17/05	114	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	7.1	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-4 5.5-6.5  
Lab Code : K0505432-014

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	1.7	
Barium	6010B	1	11/17/05	116	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	9.3	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-4 9.5-10.5  
Lab Code : K0505432-015

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	2.3	
Barium	6010B	1	11/17/05	123	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	9.5	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:



# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-5 0-1  
Lab Code : K0505432-016

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	1.5	
Barium	6010B	1	11/17/05	103	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	6.1	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-5 10.5-11.5  
Lab Code : K0505432-018

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	2.0	
Barium	6010B	1	11/17/05	93.2	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	7.7	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-6 0-1  
Lab Code : K0505432-019

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	2.1	
Barium	6010B	1	11/17/05	142	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	8.4	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-6 7-8  
Lab Code : K0505432-020

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	2.1	
Barium	6010B	1	11/17/05	139	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	8.9	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-6 14.5-15.5  
Lab Code : K0505432-021

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	1.7	
Barium	6010B	1	11/17/05	140	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	11	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-7 0-1  
Lab Code : K0505432-022

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	1.5	
Barium	6010B	1	11/17/05	111	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	7.3	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

## Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-7 5-6  
Lab Code : K0505432-023

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	1.4	
Barium	6010B	1	11/17/05	45.0	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	4.3	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

# Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-7 10-11  
Lab Code : K0505432-024

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	1.7	
Barium	6010B	1	11/17/05	99.7	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	8.4	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:



## Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-8 0-1  
Lab Code : K0505432-025

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	1.2	
Barium	6010B	1	11/17/05	113	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	6.6	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	0.1	
Selenium	7740	1	11/18/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

## Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-8 7.5-8.5  
Lab Code : K0505432-026

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	ND	
Barium	6010B	1	11/17/05	32.1	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	2.4	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/18/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

## Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : 11/01/05  
Date Received : 11/02/05  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-8 14-15  
Lab Code : K0505432-027

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	1.9	
Barium	6010B	1	11/17/05	147	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	11	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	0.03	
Selenium	7740	1	11/18/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

## Analytical Report

Client : HDR Engineering  
 Project Name : Myra Road  
 Project No. : NA  
 Matrix : Soil

Service Request : K0505432  
 Date Collected : 11/01/05  
 Date Received : 11/02/05  
 Date Extracted : 11/09-18/05

## Total Metals

Sample Name : BH-5 6-7  
 Lab Code : K0505432-029

Units : mg/Kg (ppm)  
 Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	ND	
Barium	6010B	1	11/17/05	123	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	6.6	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/18/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

## Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : NA  
Date Received : NA  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : Method Blank  
Lab Code : K0505432-MB

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	ND	
Barium	6010B	1	11/17/05	ND	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	ND	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/17/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

## Analytical Report

Client : HDR Engineering  
Project Name : Myra Road  
Project No. : NA  
Matrix : Soil

Service Request : K0505432  
Date Collected : NA  
Date Received : NA  
Date Extracted : 11/09-18/05

## Total Metals

Sample Name : Method Blank  
Lab Code : K0505432-MB2

Units : mg/Kg (ppm)  
Basis : Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	11/16/05	ND	
Barium	6010B	1	11/17/05	ND	
Cadmium	6010B	1	11/17/05	ND	
Chromium	6010B	2	11/17/05	ND	
Lead	6010B	20	11/17/05	ND	
Mercury	7471A	0.02	11/23/05	ND	
Selenium	7740	1	11/18/05	ND	
Silver	6010B	2	11/17/05	ND	

Comments:

## QA/QC Report

Client : HDR Engineering  
 Project Name : Myra Road  
 Project No. : NA  
 Matrix : Soil

Service Request : K0505432  
 Date Collected : 11/01/05  
 Date Received : 11/02/05  
 Date Extracted : 11/09-18/05  
 Date Analyzed : 11/16-23/05

Duplicate Summary  
 Total Metals

Sample Name : BH1 0-1  
 Lab Code : K0505432-001D

Units : mg/Kg (ppm)  
 Basis : Dry

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Arsenic	7060A	1	1.1	1.4	1.3	24	
Barium	6010B	1	119	146	132	20	
Cadmium	6010B	1	ND	ND	ND	-	
Chromium	6010B	2	6.2	7.3	6.7	16	
Lead	6010B	20	25	ND	NC	NC	
Mercury	7471A	0.02	ND	ND	ND	-	
Selenium	7740	1	ND	ND	ND	-	
Silver	6010B	2	ND	ND	ND	-	

Comments:

# QA/QC Report

Client : HDR Engineering  
 Project Name : Myra Road  
 Project No. : NA  
 Matrix : Soil

Service Request : K0505432  
 Date Collected : 11/01/05  
 Date Received : 11/02/05  
 Date Extracted : 11/09-18/05  
 Date Analyzed : 11/16-23/05

## Matrix Spike Summary Total Metals

Sample Name : BH1 0-1  
 Lab Code : K0505432-001S

Units : mg/Kg (ppm)  
 Basis : Dry

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Arsenic	1	8.6	1.1	7.9	79	41-136	
Barium	1	430	119	558	103	73-129	
Cadmium	1	11	ND	11.2	105	55-147	
Chromium	2	43	6.2	50.0	102	57-145	
Lead	20	110	25	122	88	57-146	
Mercury	0.02	0.5	ND	0.5	103	61-129	
Selenium	1	8.6	ND	6.5	76	33-137	
Silver	2	11	ND	10	93	37-144	

Comments:



## QA/QC Report

Client : HDR Engineering  
 Project Name : Myra Road  
 Project No. : NA  
 Matrix : Soil

Service Request : K0505432  
 Date Collected : 11/01/05  
 Date Received : 11/02/05  
 Date Extracted : 11/09-18/05  
 Date Analyzed : 11/16-23/05

Duplicate Summary  
 Total Metals

Sample Name : BH-8 0-1  
 Lab Code : K0505432-025D

Units : mg/Kg (ppm)  
 Basis : Dry

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Arsenic	7060A	1	1.2	1.3	1.2	8	
Barium	6010B	1	113	114	114	<1	
Cadmium	6010B	1	ND	ND	ND	-	
Chromium	6010B	2	6.6	7.2	6.9	9	
Lead	6010B	20	ND	ND	ND	-	
Mercury	7471A	0.02	0.1	0.06	0.09	50	
Selenium	7740	1	ND	ND	ND	-	
Silver	6010B	2	ND	ND	ND	-	

Comments:

## QA/QC Report

Client : HDR Engineering  
 Project Name : Myra Road  
 Project No. : NA  
 Matrix : Soil

Service Request : K0505432  
 Date Collected : 11/01/05  
 Date Received : 11/02/05  
 Date Extracted : 11/09-18/05  
 Date Analyzed : 11/16-23/05

Matrix Spike Summary  
 Total Metals

Sample Name : BH-8 0-1  
 Lab Code : K0505432-025S

Units : mg/Kg (ppm)  
 Basis : Dry

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent	Result Notes
						Recovery Acceptance Limits	
Arsenic	1	9.0	1.2	8.2	78	41-136	
Barium	1	440	113	610	113	73-129	
Cadmium	1	11	ND	11.4	103	55-147	
Chromium	2	44	6.6	51.3	101	57-145	
Lead	20	110	ND	130	118	57-146	
Mercury	0.02	0.5	0.1	0.6	100	61-129	
Selenium	1	9.0	ND	5.7	63	33-137	
Silver	2	11	ND	11	100	37-144	

Comments:

**Oil & Grease**  
**EPA Method 1664**

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

Client:  
Project:  
Sample Matrix:

HDR Engineering  
Myra Road  
Water

Service Request: K0505432  
Date Collected: 11/1/2005  
Date Received: 11/2/2005

## Oil and Grease

Sample Name:  
Lab Code:  
Test Notes:

BH-1  
K0505432-030

Units: mg/L (ppm)  
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	METHOD	1664	5.0	1	11/17/2005	11/18/2005	ND	

Approved By:

*M. Curle*

Date:

11/22/05

1S22/020597p

K0505432phc.mel - 11/22/2005

Page No.:

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client:**  
**Project:**  
**Sample Matrix:**

HDR Engineering  
Myra Road  
Water

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

Oil and Grease

**Sample Name:**  
**Lab Code:**  
**Test Notes:**

BH-2  
K0505432-031

**Units:** mg/L (ppm)  
**Basis:** NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	METHOD	1664	5.0	1	11/17/2005	11/18/2005	ND	

Approved By: \_\_\_\_\_

*M. Curie*

Date: \_\_\_\_\_

*11/22/05*

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

Client:  
Project:  
Sample Matrix:

HDR Engineering  
Myra Road  
Water

Service Request: K0505432  
Date Collected: 11/1/2005  
Date Received: 11/2/2005

Oil and Grease

Sample Name:  
Lab Code:  
Test Notes:

BH-3  
K0505432-032

Units: mg/L (ppm)  
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	METHOD	1664	5.0	1	11/17/2005	11/18/2005	ND	

Approved By:

*M. Curran*

Date:

11/22/05

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

Client:  
Project:  
Sample Matrix:

HDR Engineering  
Myra Road  
Water

Service Request: K0505432  
Date Collected: 11/1/2005  
Date Received: 11/2/2005

## Oil and Grease

Sample Name:  
Lab Code:  
Test Notes:

BH-4  
K0505432-033

Units: mg/L (ppm)  
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	METHOD	1664	5.0	1	11/17/2005	11/18/2005	ND	

Approved By:

*M. Curley*

Date:

11/22/05

## COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

Client:  
Project:  
Sample Matrix:

HDR Engineering  
Myra Road  
Water

Service Request: K0505432  
Date Collected: 11/1/2005  
Date Received: 11/2/2005

## Oil and Grease

Sample Name:  
Lab Code:  
Test Notes:

BH-6  
K0505432-034

Units: mg/L (ppm)  
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	METHOD	1664	5.0	1	11/17/2005	11/18/2005	ND	

Approved By: \_\_\_\_\_



Date: \_\_\_\_\_

11/22/05

1S22/020597p

K0505432phe.mel - 5 11/22/2005

Page No.:



**COLUMBIA ANALYTICAL SERVICES, INC.**

**Analytical Report**

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Water

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

**Oil and Grease**

**Sample Name:** BH-7  
**Lab Code:** K0505432-035  
**Test Notes:**

**Units:** mg/L (ppm)  
**Basis:** NA

<b>Analyte</b>	<b>Prep Method</b>	<b>Analysis Method</b>	<b>MRL</b>	<b>Dilution Factor</b>	<b>Date Extracted</b>	<b>Date Analyzed</b>	<b>Result</b>	<b>Result Notes</b>
Oil and Grease, Total (HEM)	METHOD	1664	5.0	1	11/17/2005	11/18/2005	ND	

**Approved By:** MM Guler **Date:** 11/22/05

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

Client:  
Project:  
Sample Matrix:

HDR Engineering  
Myra Road  
Water

Service Request: K0505432  
Date Collected: NA  
Date Received: NA

Oil and Grease

Sample Name:  
Lab Code:  
Test Notes:

Method Blank  
K051117-WB

Units: mg/L (ppm)  
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	METHOD	1664	5.0	1	11/17/2005	11/18/2005	ND	

Approved By:

*M. Curly*

Date:

11/22/05

1S22/020597p

K0505432phc.me1 - MB 11/22/2005

Page No.:

# COLUMBIA ANALYTICAL SERVICES, INC.

## QA/QC Report

Client:  
Project:  
LCS Matrix:

HDR Engineering  
Myra Road  
Water

Service Request: K0505432  
Date Collected: NA  
Date Received: NA  
Date Extracted: 11/17/2005  
Date Analyzed: 11/18/2005

### Laboratory Control Sample/Duplicate Laboratory Control Sample Summary Oil and Grease

Sample Name: Lab Control Sample Units: mg/L (ppm)  
Lab Code: K051117-WL1, K051117-WL2 Basis: NA  
Test Notes:

Analyte	Percent Recovery										Result Notes
	Prep		Analysis		True Value		Result		CAS	Relative	
	Method	Method	LCS	DLCS	LCS	DLCS	LCS	DLCS	Acceptance Limits	Percent Difference	
Oil and Grease, Total (HEM)	METHOD	1664	40	40	37.6	36.7	94	92	78-114	2	

Approved By: M. C. L.

Date: 11/22/05

# COLUMBIA ANALYTICAL SERVICES, INC.

## QA/QC Report

Client:  
Project:  
Sample Matrix:

HDR Engineering  
Myra Road  
Water

Service Request: K0505432  
Date Collected: NA  
Date Received: NA  
Date Extracted: 11/17/2005  
Date Analyzed: 11/18/2005

## Matrix Spike Summary Oil and Grease

Sample Name:  
Lab Code:  
Test Notes:

Batch QC  
K0505581-002MS

Units: mg/L (ppm)  
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Oil and Grease, Total (HEM)	METHOD	1664	5.0	40	ND	39.0	98	78-114	

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/1/2005  
 Date Received: 11/2/2005

Oil and Grease

Sample Name: BH1 0-1  
 Lab Code: K0505432-001  
 Test Notes:

Units: mg/Kg (ppm)  
 Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: M. Gude Date: 11/22/05

1S22/020597p

K0505432phc.me2 - 1 11/22/2005

Page No.:

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

**Client:**  
**Project:**  
**Sample Matrix:**

HDR Engineering  
Myra Road  
Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

## Oil and Grease

**Sample Name:**  
**Lab Code:**  
**Test Notes:**

BH1 8-9  
K0505432-003

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: MM Ambe Date: 11/22/05

1S22/020597p

K0505432phc.me2 - 2 11/22/2005

Page No.:

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

Oil and Grease

**Sample Name:** BH-1 14-15  
**Lab Code:** K0505432-004  
**Test Notes:**

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: \_\_\_\_\_

*mm* *hark*

Date: 11/22/05

1S22/020597p

K0505432phe.me2 - 3 11/22/2005

Page No.:

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/1/2005  
Date Received: 11/2/2005

## Oil and Grease

Sample Name: BH-2 0-1  
Lab Code: K0505432-005  
Test Notes:

Units: mg/Kg (ppm)  
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By:

*M. Curley*

Date:

11/22/05

1S22/020597p

K0505432phe.me2 - 4 11/22/2005

Page No.:



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/1/2005  
Date Received: 11/2/2005

Oil and Grease

Sample Name: BH-2 5-6  
Lab Code: K0505432-007  
Test Notes:

Units: mg/Kg (ppm)  
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By:                     

Date: 11/22/05

1522/020597p

K0505432phe.me2 - 5 11/22/2005

Page No.:

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client:**  
**Project:**  
**Sample Matrix:**

HDR Engineering  
Myra Road  
Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

Oil and Grease

**Sample Name:**  
**Lab Code:**  
**Test Notes:**

BH2 10-11  
K0505432-008

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: MM Gaudin Date: 11/22/05

1S22/020597p

K0505432phc.me2 - 6 11/22/2005

Page No.:

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/1/2005  
Date Received: 11/2/2005

## Oil and Grease

Sample Name: BH-3 0-1  
Lab Code: K0505432-009  
Test Notes:

Units: mg/Kg (ppm)  
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: \_\_\_\_\_

*MM* *Grant*

Date: 11/22/05

1S22/020597p

K0505432phc.me4 - 9 11/22/2005

Page No.:

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

### Oil and Grease

**Sample Name:** BH-3 6-7  
**Lab Code:** K0505432-011  
**Test Notes:**

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

**Approved By:** M. Carlin **Date:** 11/22/05

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

## Oil and Grease

**Sample Name:** BH-3 10-11  
**Lab Code:** K0505432-012  
**Test Notes:**

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: \_\_\_\_\_

Date: 11/22/05

1S22/020597p

K0505432phc.mcd - 12 11/22/2005

Page No.:

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client:**  
**Project:**  
**Sample Matrix:**

HDR Engineering  
Myra Road  
Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

Oil and Grease

**Sample Name:**  
**Lab Code:**  
**Test Notes:**

BH-4 0-1  
K0505432-013

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: \_\_\_\_\_

*M. G. G. G.*

Date: \_\_\_\_\_

*11/22/05*

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

## Oil and Grease

**Sample Name:** BH-4 5.5-6.5  
**Lab Code:** K0505432-014  
**Test Notes:**

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: \_\_\_\_\_

*M. G. G. G.*

Date: \_\_\_\_\_

*11/22/05*

1S22/020597p

K0505432phc.me4 - 14 11/22/2005

Page No.:

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client:**  
**Project:**  
**Sample Matrix:**

HDR Engineering  
Myra Road  
Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

Oil and Grease

**Sample Name:**  
**Lab Code:**  
**Test Notes:**

BH-4 9.5-10.5  
K0505432-015

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: \_\_\_\_\_

*M. Curran*

Date: \_\_\_\_\_

*11/22/05*



**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client:**  
**Project:**  
**Sample Matrix:**

HDR Engineering  
Myra Road  
Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

Oil and Grease

**Sample Name:**  
**Lab Code:**  
**Test Notes:**

BH-5 0-1  
K0505432-016

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: \_\_\_\_\_

*M. Gule*

Date: \_\_\_\_\_

*11/22/05*

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

Client:  
Project:  
Sample Matrix:

HDR Engineering  
Myra Road  
Soil

Service Request: K0505432  
Date Collected: 11/1/2005  
Date Received: 11/2/2005

## Oil and Grease

Sample Name:  
Lab Code:  
Test Notes:

BH-5 10.5-11.5  
K0505432-018

Units: mg/Kg (ppm)  
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By:

*M. Gule*

Date:

*11/22/05*

1S22/020597p

K0505432phc.me5 - 18 11/22/2005

Page No.:

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

Oil and Grease

**Sample Name:** BH-6 0-1  
**Lab Code:** K0505432-019  
**Test Notes:**

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: \_\_\_\_\_

*M. Guler*

Date: 11/22/05

## COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

Client:  
Project:  
Sample Matrix:

HDR Engineering  
Myra Road  
Soil

Service Request: K0505432  
Date Collected: 11/1/2005  
Date Received: 11/2/2005

## Oil and Grease

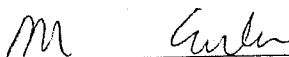
Sample Name:  
Lab Code:  
Test Notes:

BH-6 7-8  
K0505432-020

Units: mg/Kg (ppm)  
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By:



Date:

11/22/05

1S22/020597p

K0505432phe.me5 - 20 11/22/2005

Page No.:

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

Oil and Grease

**Sample Name:** BH-6 14.5-15.5  
**Lab Code:** K0505432-021  
**Test Notes:**

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: \_\_\_\_\_

*M. Gurlin*

Date: \_\_\_\_\_

*11/22/05*

1S22/020597p

K0505432phc.me5 - 21 11/22/2005

Page No.:

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

**Client:**  
**Project:**  
**Sample Matrix:**

HDR Engineering  
Myra Road  
Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

## Oil and Grease

**Sample Name:**  
**Lab Code:**  
**Test Notes:**

BH-7 0-1  
K0505432-022

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: MM Gurb

Date: 11/22/05

1S22/020597p

K0505432phc.me3 - 22 11/22/2005

Page No.:

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/1/2005  
Date Received: 11/2/2005

### Oil and Grease

Sample Name: BH-7 5-6  
Lab Code: K0505432-023  
Test Notes:

Units: mg/Kg (ppm)  
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: M. G. G. G.

Date: 11/22/05

1S22/020597p

K0505432phc.me3 - 23 11/22/2005

Page No.:

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

**Client:**  
**Project:**  
**Sample Matrix:**

HDR Engineering  
Myra Road  
Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

### Oil and Grease

**Sample Name:**  
**Lab Code:**  
**Test Notes:**

BH-7 10-11  
K0505432-024

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: \_\_\_\_\_

*M. Guler*

Date: \_\_\_\_\_

11/22/05



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/1/2005  
Date Received: 11/2/2005

Oil and Grease

Sample Name: BH-8 0-1  
Lab Code: K0505432-025  
Test Notes:

Units: mg/Kg (ppm)  
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	480	

Approved By: M. Ginter

Date: 11/22/07

1S22/020597p

K0505432phe.me3 - 25 11/22/2005

Page No.:

## COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/1/2005  
Date Received: 11/2/2005

## Oil and Grease

Sample Name: BH-8 7.5-8.5  
Lab Code: K0505432-026  
Test Notes:

Units: mg/Kg (ppm)  
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By:



Date:

11/22/05

IS22/020597p

K0505432phc.me3 - 26 11/22/2005

Page No.:

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

Oil and Grease

**Sample Name:** BH-8 14-15 **Units:** mg/Kg (ppm)  
**Lab Code:** K0505432-027 **Basis:** Dry  
**Test Notes:**

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: \_\_\_\_\_

*M. Guler*

Date: 11/22/05

1S22/020597p

K0505432phc.mcs - 27 11/22/2005

Page No.:

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

**Client:**  
**Project:**  
**Sample Matrix:**

HDR Engineering  
Myra Road  
Soil

**Service Request:** K0505432  
**Date Collected:** 11/1/2005  
**Date Received:** 11/2/2005

## Oil and Grease

**Sample Name:**  
**Lab Code:**  
**Test Notes:**

BH-5 6-7  
K0505432-029

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: \_\_\_\_\_

*M Gurlin*

Date: \_\_\_\_\_

*11/22/05*

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: NA  
Date Received: NA

## Oil and Grease

Sample Name: Method Blank  
Lab Code: K051109-SB1  
Test Notes:

Units: mg/Kg (ppm)  
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: \_\_\_\_\_

Date: 11/22/05

IS22/020597p

K0505432phc.me2 - MB 11/22/2005

Page No.:

## COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

Client:  
Project:  
Sample Matrix:

HDR Engineering  
Myra Road  
Soil

Service Request: K0505432  
Date Collected: NA  
Date Received: NA

## Oil and Grease

Sample Name:  
Lab Code:  
Test Notes:

Method Blank  
K051109-SB2

Units: mg/Kg (ppm)  
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	1	11/10/2005	11/14/2005	ND	

Approved By: \_\_\_\_\_



Date: \_\_\_\_\_

11/22/05

1S22/020597p

K0505432phc.me3 - MB 11/22/2005

Page No.:

## COLUMBIA ANALYTICAL SERVICES, INC.

## QA/QC Report

**Client:** HDR Engineering  
**Project:** Myra Road  
**LCS Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** NA  
**Date Received:** NA  
**Date Extracted:** 11/10/2005  
**Date Analyzed:** 11/14/2005

Laboratory Control Sample Summary  
Oil and Grease

**Sample Name:** Lab Control Sample  
**Lab Code:** K051109-SL1  
**Test Notes:**

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Oil and Grease, Total (HEM)	EPA 9071A	1664	2000	1650	83	78-114	

Approved By: \_\_\_\_\_

*m* *Curle*

Date: \_\_\_\_\_

*11/22/05*





**COLUMBIA ANALYTICAL SERVICES, INC.**

**QA/QC Report**

**Client:** HDR Engineering  
**Project:** Myra Road  
**LCS Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** NA  
**Date Received:** NA  
**Date Extracted:** 11/10/2005  
**Date Analyzed:** 11/14/2005

**Laboratory Control Sample Summary**  
**Oil and Grease**

**Sample Name:** Lab Control Sample  
**Lab Code:** K051109-SL2  
**Test Notes:**

**Units:** mg/Kg (ppm)  
**Basis:** Dry

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Oil and Grease, Total (HEM)	EPA 9071A	1664	2000	1920	96	78-114	

**Approved By:**                     *M. C. Miller*                     **Date:**                     11/22/05

## COLUMBIA ANALYTICAL SERVICES, INC.

## QA/QC Report

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/1/2005  
Date Received: 11/2/2005  
Date Extracted: 11/10/2005  
Date Analyzed: 11/14/2005

Matrix Spike/Duplicate Matrix Spike Summary  
Oil and Grease

Sample Name: BH1 0-1  
Lab Code: K0505432-001MS, K0505432-001DMS  
Test Notes:

Units: mg/Kg (ppm)  
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Spike Level		Sample Result	Spike Result		Percent Recovery				Relative Percent Difference
				MS	DMS		MS	DMS	CAS				
									Acceptance	Limits			
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	2140	2140	ND	1820	1960	85	92	78-114	7	

Approved By:



Date:

11/22/05

## COLUMBIA ANALYTICAL SERVICES, INC.

## QA/QC Report

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/1/2005  
Date Received: 11/2/2005  
Date Extracted: 11/10/2005  
Date Analyzed: 11/14/2005

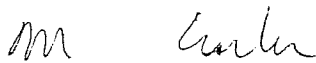
Matrix Spike/Duplicate Matrix Spike Summary  
Oil and Grease

Sample Name: BH-7 0-1  
Lab Code: K0505432-022MS, K0505432-022DMS  
Test Notes:

Units: mg/Kg (ppm)  
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Spike Level		Sample Result	Spike Result		Percent Recovery				Relative Percent Difference
				MS	DMS		MS	DMS	CAS Acceptance Limits				
Oil and Grease, Total (HEM)	EPA 9071A	1664	100	2110	2110	ND	1930	1960	91	93	78-114	2	

Approved By:



Date:

11/22/05

**Organochlorine Pesticides**  
**EPA Method 8081**

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Organochlorine Pesticides

Sample Name: BH-2  
 Lab Code: K0505432-031  
 Extraction Method: EPA 3520C  
 Analysis Method: 8081A

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
beta-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
gamma-BHC (Lindane)	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
delta-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Heptachlor	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Aldrin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Heptachlor Epoxide	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
gamma-Chlordane†	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan I	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
alpha-Chlordane	0.014	P	0.0096	1	11/08/05	11/16/05	KWG0519336	
delta-Aldrin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDE	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
drin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan II	ND	Ui	0.011	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDD	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
drin Aldehyde	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan Sulfate	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDT	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
drin Ketone	0.015		0.0096	1	11/08/05	11/16/05	KWG0519336	
methoxychlor	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Toxaphene	ND	Ui	0.56	1	11/08/05	11/16/05	KWG0519336	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	47	23-119	11/16/05	Acceptable
1,2-dichlorobiphenyl	73	19-159	11/16/05	Acceptable

## Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Organochlorine Pesticides

Sample Name: BH-3  
 Lab Code: K0505432-032  
 Extraction Method: EPA 3520C  
 Analysis Method: 8081A

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
beta-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
gamma-BHC (Lindane)	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
delta-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Heptachlor	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Aldrin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Heptachlor Epoxide	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
gamma-Chlordane†	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan I	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
alpha-Chlordane	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Dieldrin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDE	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endrin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan II	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDD	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endrin Aldehyde	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan Sulfate	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDT	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endrin Ketone	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Methoxychlor	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Toxaphene	ND	U	0.48	1	11/08/05	11/16/05	KWG0519336	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	50	23-119	11/16/05	Acceptable
Decachlorobiphenyl	20	19-159	11/16/05	Acceptable

## † Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Organochlorine Pesticides

Sample Name: BH-4  
 Lab Code: K0505432-033  
 Extraction Method: EPA 3520C  
 Analysis Method: 8081A

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
gamma-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
beta-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
gamma-BHC (Lindane)	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
delta-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Heptachlor	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Aldrin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Heptachlor Epoxide	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
gamma-Chlordane†	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan I	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
gamma-Chlordane	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Aldrin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDE	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Aldrin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan II	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDD	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Aldrin Aldehyde	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan Sulfate	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDT	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Aldrin Ketone	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Heptachlor	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Dioxaphene	ND	U	0.48	1	11/08/05	11/16/05	KWG0519336	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	60	23-119	11/16/05	Acceptable
Heptachlorobiphenyl	22	19-159	11/16/05	Acceptable

## † Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Organochlorine Pesticides

Sample Name: BH-6  
 Lab Code: K0505432-034  
 Extraction Method: EPA 3520C  
 Analysis Method: 8081A

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
beta-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
gamma-BHC (Lindane)	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
delta-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Heptachlor	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Aldrin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Heptachlor Epoxide	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
gamma-Chlordane†	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan I	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
alpha-Chlordane	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Dieldrin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDE	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endrin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan II	ND	Ui	0.011	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDD	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endrin Aldehyde	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan Sulfate	0.011		0.0096	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDT	0.016	P	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endrin Ketone	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Methoxychlor	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Toxaphene	ND	U	0.48	1	11/08/05	11/16/05	KWG0519336	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	23	23-119	11/16/05	Acceptable
Decachlorobiphenyl	21	19-159	11/16/05	Acceptable

## † Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:



## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Organochlorine Pesticides

Sample Name: BH-7  
 Lab Code: K0505432-035  
 Extraction Method: EPA 3520C  
 Analysis Method: 8081A

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
beta-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
gamma-BHC (Lindane)	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
delta-BHC	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Heptachlor	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Aldrin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Heptachlor Epoxide	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
gamma-Chlordane†	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan I	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
alpha-Chlordane	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Dieldrin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDE	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Aldrin	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan II	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDD	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Aldrin Aldehyde	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Endosulfan Sulfate	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDT	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Aldrin Ketone	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Heptachlor	ND	U	0.0096	1	11/08/05	11/16/05	KWG0519336	
Toxaphene	ND	U	0.48	1	11/08/05	11/16/05	KWG0519336	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	60	23-119	11/16/05	Acceptable
Decachlorobiphenyl	56	19-159	11/16/05	Acceptable

## \* Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Organochlorine Pesticides

Sample Name: Method Blank  
 Lab Code: KWG0519336-5  
 Extraction Method: EPA 3520C  
 Analysis Method: 8081A

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
beta-BHC	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
gamma-BHC (Lindane)	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
delta-BHC	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
Heptachlor	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
Aldrin	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
Heptachlor Epoxide	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
gamma-Chlordane†	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
Endosulfan I	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
alpha-Chlordane	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
Dieldrin	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDE	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
Endrin	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
Endosulfan II	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDD	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
Endrin Aldehyde	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
Endosulfan Sulfate	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
4,4'-DDT	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
Endrin Ketone	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
Methoxychlor	ND	U	0.010	1	11/08/05	11/16/05	KWG0519336	
Toxaphene	ND	U	0.50	1	11/08/05	11/16/05	KWG0519336	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	69	23-119	11/16/05	Acceptable
Decachlorobiphenyl	86	19-159	11/16/05	Acceptable

## † Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432

Surrogate Recovery Summary  
Organochlorine Pesticides

Extraction Method: EPA 3520C  
Analysis Method: 8081A

Units: PERCENT  
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>
BH-2	K0505432-031	47	73
I I-3	K0505432-032	50	20
I I-4	K0505432-033	60	22
BH-6	K0505432-034	23	21
PH-7	K0505432-035	60	56
Method Blank	KWG0519336-5	69	86
Lab Control Sample	KWG0519336-1	70	84
Duplicate Lab Control Sample	KWG0519336-2	70	83

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Surrogate Recovery Control Limits (%)

Sur1 = Tetrachloro-m-xylene	23-119
Sur2 = Decachlorobiphenyl	19-159

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Results flagged with an asterisk (\*) indicate values outside control criteria.  
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Extracted: 11/08/2005  
 Date Analyzed: 11/16/2005

Lab Control Spike/Duplicate Lab Control Spike Summary  
 Organochlorine Pesticides

Extraction Method: EPA 3520C  
 Analysis Method: 8081A

Units: ug/L  
 Basis: NA  
 Level: Low  
 Extraction Lot: KWG0519336

Analyte Name	Lab Control Sample KWG0519336-1 Lab Control Spike			Duplicate Lab Control Sample KWG0519336-2 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
alpha-BHC	0.165	0.200	82	0.166	0.200	83	48-137	1	30
beta-BHC	0.183	0.200	92	0.187	0.200	94	45-138	2	30
gamma-BHC (Lindane)	0.168	0.200	84	0.171	0.200	85	47-135	2	30
delta-BHC	0.187	0.200	93	0.189	0.200	95	68-125	2	30
Heptachlor	0.166	0.200	83	0.166	0.200	83	40-126	0	30
Aldrin	0.163	0.200	82	0.164	0.200	82	31-129	1	30
Heptachlor Epoxide	0.166	0.200	83	0.171	0.200	86	41-134	3	30
gamma-Chlordane	0.166	0.200	83	0.168	0.200	84	23-155	1	30
Endosulfan I	0.147	0.200	74	0.151	0.200	76	28-121	3	30
alpha-Chlordane	0.166	0.200	83	0.170	0.200	85	48-124	2	30
Dieldrin	0.166	0.200	83	0.170	0.200	85	45-136	3	30
4,4'-DDE	0.174	0.200	87	0.174	0.200	87	61-117	0	30
Endrin	0.168	0.200	84	0.173	0.200	86	46-141	3	30
Endosulfan II	0.153	0.200	77	0.155	0.200	77	35-125	1	30
4,4'-DDD	0.169	0.200	84	0.170	0.200	85	59-126	1	30
Endrin Aldehyde	0.168	0.200	84	0.169	0.200	84	37-120	0	30
Endosulfan Sulfate	0.170	0.200	85	0.173	0.200	87	44-134	2	30
4,4'-DDT	0.170	0.200	85	0.172	0.200	86	56-130	1	30
Endrin Ketone	0.171	0.200	86	0.174	0.200	87	49-128	1	30
Methoxychlor	0.179	0.200	89	0.187	0.200	93	47-139	4	30

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

## COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Organochlorine Pesticides

Sample Name: BH1 1-1.5  
 Lab Code: K0505432-002  
 Extraction Method: EPA 3540C  
 Analysis Method: 8081A

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
beta-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
gamma-BHC (Lindane)	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
delta-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Heptachlor	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
drin	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
ptachlor Epoxide	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
gamma-Chlordane†	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan I	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
gamma-Chlordane	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Dieldrin	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4'-DDE	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
drin	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan II	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4'-DDD	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
drin Aldehyde	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan Sulfate	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4'-DDT	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
drin Ketone	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Methoxychlor	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Toxaphene	ND	U	170	1	11/08/05	11/23/05	KWG0519318	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
tetrachloro-m-xylene	88	38-125	11/23/05	Acceptable
decachlorobiphenyl	97	26-166	11/23/05	Acceptable

## Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Organochlorine Pesticides

Sample Name: BH-2 1-2  
 Lab Code: K0505432-006  
 Extraction Method: EPA 3540C  
 Analysis Method: 8081A

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
beta-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
gamma-BHC (Lindane)	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
delta-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Heptachlor	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Aldrin	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Heptachlor Epoxide	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
gamma-Chlordane†	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan I	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
alpha-Chlordane	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Dieldrin	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDE	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endrin	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan II	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDD	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endrin Aldehyde	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan Sulfate	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDT	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endrin Ketone	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Methoxychlor	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Toxaphene	ND	U	170	1	11/08/05	11/23/05	KWG0519318	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	89	38-125	11/23/05	Acceptable
Decachlorobiphenyl	94	26-166	11/23/05	Acceptable

## † Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Organochlorine Pesticides

Sample Name: BH-3 1-2  
 Lab Code: K0505432-010  
 Extraction Method: EPA 3540C  
 Analysis Method: 8081A

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
beta-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
gamma-BHC (Lindane)	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
delta-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Aldrin	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan Epoxide	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan I	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan-Chlordane	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDE	4.4		3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan II	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDD	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan Aldehyde	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan Sulfate	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDT	6.2		3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan Ketone	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan	ND	U	170	1	11/08/05	11/23/05	KWG0519318	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	90	38-125	11/23/05	Acceptable
Decachlorobiphenyl	103	26-166	11/23/05	Acceptable

## Analyte Comments

Endosulfan-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Organochlorine Pesticides

Sample Name: BH-5 1-2  
 Lab Code: K0505432-017  
 Extraction Method: EPA 3540C  
 Analysis Method: 8081A

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
beta-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
gamma-BHC (Lindane)	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
delta-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Heptachlor	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Aldrin	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Heptachlor Epoxide	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
gamma-Chlordane†	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan I	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
alpha-Chlordane	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Dieldrin	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDE	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endrin	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan II	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDD	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endrin Aldehyde	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan Sulfate	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDT	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endrin Ketone	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Methoxychlor	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Toxaphene	ND	U	170	1	11/08/05	11/23/05	KWG0519318	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	87	38-125	11/23/05	Acceptable
Decachlorobiphenyl	93	26-166	11/23/05	Acceptable

## Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments: \_\_\_\_\_



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Organochlorine Pesticides

Sample Name: BH-8 1-2  
 Lab Code: K0505432-028  
 Extraction Method: EPA 3540C  
 Analysis Method: 8081A

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
beta-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
gamma-BHC (Lindane)	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
delta-BHC	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
lambda-chlor	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Aldrin	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
lambda-chlor Epoxide	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
gamma-Chlordane†	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan I	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
alpha-Chlordane	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
delta-chlor	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDE	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endrin	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan II	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDD	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endrin Aldehyde	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endosulfan Sulfate	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDT	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
Endrin Ketone	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
methoxychlor	ND	U	3.4	1	11/08/05	11/23/05	KWG0519318	
hexaphene	ND	U	170	1	11/08/05	11/23/05	KWG0519318	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	88	38-125	11/23/05	Acceptable
Decachlorobiphenyl	93	26-166	11/23/05	Acceptable

## Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Organochlorine Pesticides

Sample Name: Method Blank  
 Lab Code: KWG0519318-4  
 Extraction Method: EPA 3540C  
 Analysis Method: 8081A

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
beta-BHC	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
gamma-BHC (Lindane)	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
delta-BHC	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
Heptachlor	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
Aldrin	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
Heptachlor Epoxide	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
gamma-Chlordane†	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
Endosulfan I	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
alpha-Chlordane	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
Dieldrin	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDE	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
Endrin	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
Endosulfan II	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDD	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
Endrin Aldehyde	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
Endosulfan Sulfate	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
4,4'-DDT	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
Endrin Ketone	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
Methoxychlor	ND	U	2.6	1	11/08/05	11/23/05	KWG0519318	
Toxaphene	ND	U	130	1	11/08/05	11/23/05	KWG0519318	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	91	38-125	11/23/05	Acceptable
Decachlorobiphenyl	91	26-166	11/23/05	Acceptable

## Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments: \_\_\_\_\_

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432

Surrogate Recovery Summary  
Organochlorine Pesticides

Extraction Method: EPA 3540C  
Analysis Method: 8081A

Units: PERCENT  
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>
LH1 1-1.5	K0505432-002	88	97
BH-2 1-2	K0505432-006	89	94
I-3 1-2	K0505432-010	90	103
I-5 1-2	K0505432-017	87	93
BH-8 1-2	K0505432-028	88	93
Method Blank	KWG0519318-4	91	91
LH1 1-1.5MS	KWG0519318-1	87	94
BH1 1-1.5DMS	KWG0519318-2	84	92
Lab Control Sample	KWG0519318-3	89	92

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Surrogate Recovery Control Limits (%)

Sur1 = Tetrachloro-m-xylene	38-125
Sur2 = Decachlorobiphenyl	26-166

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Results flagged with an asterisk (\*) indicate values outside control criteria.  
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/08/2005  
 Date Analyzed: 11/23/2005

**Matrix Spike/Duplicate Matrix Spike Summary  
 Organochlorine Pesticides**

Sample Name: BH1 1-1.5  
 Lab Code: K0505432-002  
 Extraction Method: EPA 3540C  
 Analysis Method: 8081A

Units: ug/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519318

Analyte Name	Sample Result	BH1 1-1.5MS KWG0519318-1 Matrix Spike			BH1 1-1.5DMS KWG0519318-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
alpha-BHC	ND	70.6	66.5	106	68.6	66.5	103	41-148	3	50
beta-BHC	ND	71.7	66.5	108	72.1	66.5	108	37-152	1	50
gamma-BHC (Lindane)	ND	69.2	66.5	104	67.7	66.5	102	45-153	2	50
delta-BHC	ND	76.5	66.5	115	74.6	66.5	112	35-162	3	50
Heptachlor	ND	69.3	66.5	104	67.9	66.5	102	35-151	2	50
Aldrin	ND	66.8	66.5	100	65.3	66.5	98	39-143	2	50
Heptachlor Epoxide	ND	67.6	66.5	102	66.4	66.5	100	37-148	2	50
gamma-Chlordane	ND	66.9	66.5	101	65.4	66.5	98	33-161	2	50
Endosulfan I	ND	61.3	66.5	92	60.6	66.5	91	10-141	1	50
alpha-Chlordane	ND	69.7	66.5	105	68.1	66.5	102	40-140	2	50
Dieldrin	ND	67.2	66.5	101	66.0	66.5	99	48-142	2	50
4,4'-DDE	ND	69.4	66.5	104	68.4	66.5	103	35-146	1	50
Endrin	ND	71.3	66.5	107	70.6	66.5	106	44-146	1	50
Endosulfan II	ND	62.5	66.5	94	61.6	66.5	93	21-135	2	50
4,4'-DDD	ND	68.5	66.5	103	67.8	66.5	102	32-156	1	50
Endrin Aldehyde	ND	62.3	66.5	94	63.6	66.5	96	18-137	2	50
Endosulfan Sulfate	ND	65.6	66.5	99	64.6	66.5	97	39-148	1	50
4,4'-DDT	ND	69.4	66.5	104	68.6	66.5	103	31-161	1	50
Endrin Ketone	ND	69.8	66.5	105	68.9	66.5	104	37-149	1	50
Methoxychlor	ND	75.0	66.5	113	73.7	66.5	111	35-158	2	50

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/08/2005  
 Date Analyzed: 11/23/2005

Lab Control Spike Summary  
 Organochlorine Pesticides

Extraction Method: EPA 3540C  
 Analysis Method: 8081A

Units: ug/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519318

Analyte Name	Lab Control Sample KWG0519318-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
alpha-BHC	70.7	66.7	106	67-130
beta-BHC	77.0	66.7	115	66-134
gamma-BHC (Lindane)	69.5	66.7	104	70-125
delta-BHC	76.9	66.7	115	78-139
gamma-hexachlorocyclopentadiene	69.8	66.7	105	69-120
gamma-hexachlorocyclopentadiene	66.6	66.7	100	67-120
Heptachlor Epoxide	67.9	66.7	102	70-117
gamma-Chlordane	66.5	66.7	100	74-117
Endosulfan I	61.9	66.7	93	50-112
alpha-Chlordane	69.7	66.7	105	72-116
Dieldrin	67.7	66.7	102	74-121
p,p'-DDE	69.6	66.7	104	73-126
p,p'-DDT	73.1	66.7	110	76-127
Endosulfan II	63.7	66.7	96	59-116
p,p'-DDD	70.4	66.7	106	74-130
gamma-hexachlorocyclopentadiene Aldehyde	67.7	66.7	102	29-138
Endosulfan Sulfate	66.3	66.7	99	70-124
p,p'-DDT	70.5	66.7	106	75-132
gamma-hexachlorocyclopentadiene Ketone	70.9	66.7	106	72-123
Methoxychlor	76.3	66.7	115	68-137

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**Polychlorinated Biphenyls  
PCB's  
EPA Method 8082**

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Polychlorinated Biphenyls (PCBs)

Sample Name: BH-2  
 Lab Code: K0505432-031  
 Extraction Method: EPA 3520C  
 Analysis Method: 8082

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1221	ND	U	0.39	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1232	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1242	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1248	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1254	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1260	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2,3,4-tetrachlorobiphenyl	21	14-139	11/15/05	Acceptable

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Polychlorinated Biphenyls (PCBs)

Sample Name: BH-3  
Lab Code: K0505432-032  
Extraction Method: EPA 3520C  
Analysis Method: 8082

Units: ug/L  
Basis: NA  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1221	ND U	0.39	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1232	ND U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1242	ND U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1248	ND U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1254	ND U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1260	ND U	0.20	1	11/08/05	11/15/05	KWG0519344	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	20	14-139	11/15/05	Acceptable

Comments: \_\_\_\_\_



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Polychlorinated Biphenyls (PCBs)

Sample Name: BH-4  
 Lab Code: K0505432-033  
 Extraction Method: EPA 3520C  
 Analysis Method: 8082

Units: µg/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1221	ND	U	0.39	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1232	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1242	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1248	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1254	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1260	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Polychlorobiphenyl	24	14-139	11/15/05	Acceptable

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Polychlorinated Biphenyls (PCBs)

Sample Name: BH-6  
 Lab Code: K0505432-034  
 Extraction Method: EPA 3520C  
 Analysis Method: 8082

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1221	ND	U	0.39	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1232	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1242	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1248	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1254	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1260	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	24	14-139	11/15/05	Acceptable

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Polychlorinated Biphenyls (PCBs)

Sample Name: BH-7  
 Lab Code: K0505432-035  
 Extraction Method: EPA 3520C  
 Analysis Method: 8082

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1221	ND	U	0.39	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1232	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1242	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1248	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1254	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1260	ND	U	0.20	1	11/08/05	11/15/05	KWG0519344	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2,3,4-tetrachlorobiphenyl	54	14-139	11/15/05	Acceptable

Comments: \_\_\_\_\_

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: NA  
Date Received: NA

## Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank  
Lab Code: KWG0519344-3  
Extraction Method: EPA 3520C  
Analysis Method: 8082

Units: ug/L  
Basis: NA  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1221	ND U	0.40	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1232	ND U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1242	ND U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1248	ND U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1254	ND U	0.20	1	11/08/05	11/15/05	KWG0519344	
Aroclor 1260	ND U	0.20	1	11/08/05	11/15/05	KWG0519344	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	79	14-139	11/15/05	Acceptable

Comments:

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Polychlorinated Biphenyls (PCBs)

Sample Name: BH1 1-1.5  
Lab Code: K0505432-002  
Extraction Method: EPA 3540C  
Analysis Method: 8082

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1221	ND	U	0.14	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1232	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1242	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1248	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1254	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1260	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	102	20-161	11/18/05	Acceptable

Comments:

## COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Polychlorinated Biphenyls (PCBs)

Sample Name: BH-2 1-2  
Lab Code: K0505432-006  
Extraction Method: EPA 3540C  
Analysis Method: 8082

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1221	ND	U	0.14	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1232	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1242	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1248	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1254	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1260	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	97	20-161	11/18/05	Acceptable

Comments:

## COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Polychlorinated Biphenyls (PCBs)

Sample Name: BH-3 1-2  
Lab Code: K0505432-010  
Extraction Method: EPA 3540C  
Analysis Method: 8082

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1221	ND	U	0.14	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1232	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1242	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1248	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1254	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1260	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	101	20-161	11/18/05	Acceptable

Comments:

## COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Polychlorinated Biphenyls (PCBs)

Sample Name: BH-5 1-2  
Lab Code: K0505432-017  
Extraction Method: EPA 3540C  
Analysis Method: 8082

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1221	ND	U	0.14	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1232	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1242	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1248	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1254	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1260	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	98	20-161	11/18/05	Acceptable

Comments:



## COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Polychlorinated Biphenyls (PCBs)

Sample Name: BH-8 1-2  
 Lab Code: K0505432-028  
 Extraction Method: EPA 3540C  
 Analysis Method: 8082

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1221	ND	U	0.14	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1232	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1242	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1248	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1254	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1260	ND	U	0.067	1	11/08/05	11/18/05	KWG0519319	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	97	20-161	11/18/05	Acceptable

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank  
 Lab Code: KWG0519319-4  
 Extraction Method: EPA 3540C  
 Analysis Method: 8082

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.051	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1221	ND	U	0.11	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1232	ND	U	0.051	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1242	ND	U	0.051	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1248	ND	U	0.051	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1254	ND	U	0.051	1	11/08/05	11/18/05	KWG0519319	
Aroclor 1260	ND	U	0.051	1	11/08/05	11/18/05	KWG0519319	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	95	20-161	11/18/05	Acceptable

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Surrogate Recovery Summary  
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3520C  
Analysis Method: 8082

Units: PERCENT  
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>
BH-2	K0505432-031	21
I-3	K0505432-032	20
I-4	K0505432-033	24
BH-6	K0505432-034	24
PH-7	K0505432-035	54
Method Blank	KWG0519344-3	79
Lab Control Sample	KWG0519344-1	67
Duplicate Lab Control Sample	KWG0519344-2	81

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Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 14-139

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Results flagged with an asterisk (\*) indicate values outside control criteria.  
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Surrogate Recovery Summary  
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3540C  
Analysis Method: 8082

Units: PERCENT  
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>
BH1 1-1.5	K0505432-002	102
BH-2 1-2	K0505432-006	97
BH-3 1-2	K0505432-010	101
BH-5 1-2	K0505432-017	98
BH-8 1-2	K0505432-028	97
Method Blank	KWG0519319-4	95
BH1 1-1.5MS	KWG0519319-1	97
BH1 1-1.5DMS	KWG0519319-2	97
Lab Control Sample	KWG0519319-3	99

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Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 20-161

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Results flagged with an asterisk (\*) indicate values outside control criteria.  
Results flagged with a pound (#) indicate the control criteria is not applicable.

## COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/08/2005  
 Date Analyzed: 11/18/2005

Matrix Spike/Duplicate Matrix Spike Summary  
 Polychlorinated Biphenyls (PCBs)

Sample Name: BH1 1-1.5  
 Lab Code: K0505432-002  
 Extraction Method: EPA 3540C  
 Analysis Method: 8082

Units: mg/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519319

Analyte Name	Sample Result	BH1 1-1.5MS KWG0519319-1 Matrix Spike			BH1 1-1.5DMS KWG0519319-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Aroclor 1016	ND	0.721	0.665	108	0.702	0.665	105	33-155	3	50
Aroclor 1260	ND	0.771	0.665	116	0.749	0.665	113	36-161	3	50

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

## COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Extracted: 11/08/2005  
Date Analyzed: 11/15/2005

Lab Control Spike/Duplicate Lab Control Spike Summary  
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3520C  
Analysis Method: 8082

Units: ug/L  
Basis: NA  
Level: Low  
Extraction Lot: KWG0519344

Analyte Name	Lab Control Sample KWG0519344-1 Lab Control Spike			Duplicate Lab Control Sample KWG0519344-2 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Aroclor 1016	1.68	2.00	84	1.81	2.00	91	48-130	7	30
Aroclor 1260	1.89	2.00	95	1.90	2.00	95	56-127	0	30

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Extracted: 11/08/2005  
Date Analyzed: 11/18/2005

Lab Control Spike Summary  
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3540C  
Analysis Method: 8082

Units: mg/Kg  
Basis: Dry  
Level: Low  
Extraction Lot: KWG0519319

Analyte Name	Lab Control Sample KWG0519319-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
Aroclor 1016	0.684	0.667	103	43-141
Aroclor 1260	0.734	0.667	110	50-145

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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



## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-1  
 Lab Code: K0505432-030  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chlorodifluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Vinyl Chloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Fluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichlorofluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Acetone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Disulfide	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Ethylene Chloride	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
trans-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
cis-1,2-Dichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Butanone (MEK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
2,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
cis-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroform	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Tetrachloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Benzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichloroethene (TCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromodichloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Ibromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2-Hexanone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
trans-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Styrene	1.2		0.50	1	11/14/05	11/14/05	KWG0519654	
trans-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Trichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Methyl-2-pentanone (MIBK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,3-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-1  
 Lab Code: K0505432-030  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	1.2		0.50	1	11/14/05	11/14/05	KWG0519654	
Dibromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Chlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Ethylbenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
m,p-Xylenes	0.53		0.50	1	11/14/05	11/14/05	KWG0519654	
o-Xylene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Styrene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromoform	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Isopropylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
n-Propylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
2-Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
4-Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,3,5-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
tert-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,4-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
sec-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,3-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
4-Isopropyltoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,4-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
n-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,4-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Naphthalene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Hexachlorobutadiene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	

Comments:

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-1  
Lab Code: K0505432-030

Units: ug/L  
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	99	80-119	11/14/05	Acceptable
luene-d8	105	83-113	11/14/05	Acceptable
Bromofluorobenzene	89	72-114	11/14/05	Acceptable

Comments:

## COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-2  
 Lab Code: K0505432-031  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Vinyl Chloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichlorofluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Acetone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Disulfide	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Methylene Chloride	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
trans-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2-Butanone (MEK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
2,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
cis-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroform	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Tetrachloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Benzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichloroethene (TCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromodichloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Dibromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2-Hexanone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
cis-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Toluene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
trans-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,2-Trichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,3-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	

Comments:

## COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-2  
 Lab Code: K0505432-031  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichloroethene (PCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Dibromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2-Dibromoethane (EDB)	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Chlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Triethylbenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
m,p-Xylenes	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
o-Xylene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Styrene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Formoform	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Isopropylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2,3-Trichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
n-Propylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,3,5-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
n-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
2,4-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
sec-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
3-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Isopropyltoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,4-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
2-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
2,4-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
2,3-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Naphthalene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Hexachlorobutadiene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	

Comments: \_\_\_\_\_

## COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-2  
Lab Code: K0505432-031

Units: ug/L  
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	97	80-119	11/14/05	Acceptable
Toluene-d8	104	83-113	11/14/05	Acceptable
4-Bromofluorobenzene	90	72-114	11/14/05	Acceptable

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-3  
 Lab Code: K0505432-032  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chlorodifluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Vinyl Chloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichlorofluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Acetone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Disulfide	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Ethylene Chloride	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
trans-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Butanone (MEK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
trans-1,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
cis-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroform	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Tetrachloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Benzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichloroethene (TCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromodichloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Ibromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2-Hexanone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
cis-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Toluene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
trans-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,2-Trichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Methyl-2-pentanone (MIBK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,3-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-3  
 Lab Code: K0505432-032  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Dibromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Chlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Ethylbenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
m,p-Xylenes	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
o-Xylene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Styrene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromoform	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Isopropylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
n-Propylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
2-Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
4-Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,3,5-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
tert-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,4-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
sec-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,3-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
4-Isopropyltoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,4-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
n-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,4-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Naphthalene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Hexachlorobutadiene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	

Comments:



## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-3  
Lab Code: K0505432-032

Units: ug/L  
Basis: NA

Compound Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	99	80-119	11/14/05	Acceptable
Toluene-d8	106	83-113	11/14/05	Acceptable
Bromofluorobenzene	91	72-114	11/14/05	Acceptable

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-4  
 Lab Code: K0505432-033  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Vinyl Chloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichlorofluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Acetone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Disulfide	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Methylene Chloride	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
trans-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2-Butanone (MEK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
2,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
cis-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroform	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Tetrachloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Benzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichloroethene (TCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromodichloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Dibromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2-Hexanone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
cis-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Toluene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
trans-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,2-Trichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,3-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-4  
 Lab Code: K0505432-033  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1,1-Trichloroethene (PCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dibromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,4-Trichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Ethylbenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
m,p-Xylenes	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
o-Xylene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Styrene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Perchloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2,3,4-Tetrachlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,1,1,2,2-Pentachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
2-Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
o-Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
m,p-5-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
tert-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,4-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,3-Dichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,4-Dichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
n-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,4-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Hexachlorobutadiene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	

Comments: \_\_\_\_\_

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-4  
Lab Code: K0505432-033

Units: ug/L  
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	98	80-119	11/14/05	Acceptable
Toluene-d8	106	83-113	11/14/05	Acceptable
4-Bromofluorobenzene	89	72-114	11/14/05	Acceptable

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-6  
 Lab Code: K0505432-034  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1-Dichlorodifluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Vinyl Chloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dibromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dibromoethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichlorofluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Acetone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Disulfide	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethylene Chloride	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
trans-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2-Butanone (MEK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
cis-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroform	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dibromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Tetrachloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Benzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethene (TCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromodichloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dibromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Hexanone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
cis-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichlorobenzene	0.94		0.50	1	11/14/05	11/14/05	KWG0519654	
trans-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,2-Trichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Methyl-2-pentanone (MIBK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,3-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-6  
 Lab Code: K0505432-034  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Dibromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Chlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Ethylbenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
m,p-Xylenes	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
o-Xylene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Styrene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromoform	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Isopropylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
n-Propylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
2-Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
4-Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,3,5-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
tert-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,4-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
sec-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,3-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
4-Isopropyltoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,4-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
n-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,4-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Naphthalene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Hexachlorobutadiene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	

Comments:

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-6  
Lab Code: K0505432-034

Units: ug/L  
Basis: NA

Compound Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	99	80-119	11/14/05	Acceptable
Toluene-d8	104	83-113	11/14/05	Acceptable
Bromofluorobenzene	92	72-114	11/14/05	Acceptable

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-7  
 Lab Code: K0505432-035  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Vinyl Chloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichlorofluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Acetone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Disulfide	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Methylene Chloride	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
trans-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2-Butanone (MEK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
2,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
cis-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroform	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Tetrachloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Benzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichloroethene (TCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromodichloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Dibromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2-Hexanone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
cis-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Toluene	0.73		0.50	1	11/14/05	11/14/05	KWG0519654	
trans-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,2-Trichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,3-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	

Comments:



## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-7  
 Lab Code: K0505432-035  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichloroethene (PCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Chlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Ethylbenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
p-Xylenes	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Xylene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Styrene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Monomethylform	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Propylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2,3-Trichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Monobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
n-Propylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,3,5-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
n-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
2,4-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
sec-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,3-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Isopropyltoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,4-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
n-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
2-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2-Dibromo-3-chloropropane	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,4-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
2,3-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
naphthalene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Hexachlorobutadiene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-7  
Lab Code: K0505432-035

Units: ug/L  
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	80-119	11/14/05	Acceptable
Toluene-d8	104	83-113	11/14/05	Acceptable
4-Bromofluorobenzene	92	72-114	11/14/05	Acceptable

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: Trip Blanks  
 Lab Code: K0505432-036  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chlorodifluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Vinyl Chloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichlorofluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Acetone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
trans-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Disulfide	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Ethylene Chloride	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
trans-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Butanone (MEK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
cis-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroform	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Tetrachloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Benzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichloroethene (TCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromodichloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Iodobromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Hexanone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
cis-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Toluene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
trans-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,2-Trichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Methyl-2-pentanone (MIBK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
3-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: Trip Blanks  
 Lab Code: K0505432-036  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Dibromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Chlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Ethylbenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
m,p-Xylenes	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
o-Xylene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Styrene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromoform	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Isopropylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
n-Propylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
2-Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
4-Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,3,5-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
tert-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,4-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
sec-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,3-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
4-Isopropyltoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,4-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
n-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,4-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Naphthalene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Hexachlorobutadiene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	

Comments:

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: Trip Blanks  
Lab Code: K0505432-036

Units: ug/L  
Basis: NA

Compound Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	97	80-119	11/14/05	Acceptable
Toluene-d8	106	83-113	11/14/05	Acceptable
Bromofluorobenzene	90	72-114	11/14/05	Acceptable

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Volatile Organic Compounds

Sample Name: Method Blank  
 Lab Code: KWG0519654-4  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Vinyl Chloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichlorofluoromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Acetone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Disulfide	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Methylene Chloride	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
trans-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2-Butanone (MEK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
2,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
cis-1,2-Dichloroethene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chloroform	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Carbon Tetrachloride	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Benzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Trichloroethene (TCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromodichloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Dibromomethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
2-Hexanone	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
cis-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Toluene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
trans-1,3-Dichloropropene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,2-Trichloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	11/14/05	11/14/05	KWG0519654	
1,3-Dichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Volatile Organic Compounds

Sample Name: Method Blank  
 Lab Code: KWG0519654-4  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichloroethene (PCE)	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Bromochloromethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Chlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Ethylbenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
p-Xylenes	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
m-Xylene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Styrene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Formaldehyde	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Isopropylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichloropropane	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Chlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
n-Propylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
o-Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
p-Chlorotoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,3,5-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
tert-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,4-Trimethylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
sec-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,3-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
Isopropyltoluene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,4-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
n-Butylbenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2-Dichlorobenzene	ND	U	0.50	1	11/14/05	11/14/05	KWG0519654	
1,1-Dibromo-3-chloropropane	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,4-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
1,2,3-Trichlorobenzene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
naphthalene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	
Hexachlorobutadiene	ND	U	2.0	1	11/14/05	11/14/05	KWG0519654	

Comments:

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: NA  
Date Received: NA

## Volatile Organic Compounds

Sample Name: Method Blank  
Lab Code: KWG0519654-4

Units: ug/L  
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	98	80-119	11/14/05	Acceptable
Toluene-d8	105	83-113	11/14/05	Acceptable
4-Bromofluorobenzene	90	72-114	11/14/05	Acceptable

Comments: \_\_\_\_\_



## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH1 0-1  
 Lab Code: K0505432-001  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chlorodifluoromethane	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Chloromethane	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Vinyl Chloride	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Isomomomethane	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Chloroethane	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Trichlorofluoromethane	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Acetone	ND U	20	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethene	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Carbon Disulfide	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Ethylene Chloride	ND U	10	1	11/08/05	11/08/05	KWG0519421	
trans-1,2-Dichloroethene	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethane	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Butanone (MEK)	ND U	20	1	11/08/05	11/08/05	KWG0519421	
2-Dichloropropane	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
cis-1,2-Dichloroethene	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Chloroform	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Monochloromethane	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,1,1-Trichloroethane (TCA)	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloropropene	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Carbon Tetrachloride	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloroethane (EDC)	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Benzene	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethene (TCE)	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloropropane	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Bromodichloromethane	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Bromomethane	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Hexanone	ND U	20	1	11/08/05	11/08/05	KWG0519421	
cis-1,3-Dichloropropene	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Styrene	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
trans-1,3-Dichloropropene	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,1,2-Trichloroethane	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	
Methyl-2-pentanone (MIBK)	ND U	20	1	11/08/05	11/08/05	KWG0519421	
2,3-Dichloropropane	ND U	5.0	1	11/08/05	11/08/05	KWG0519421	

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH1 0-1  
 Lab Code: K0505432-001  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Dibromochloromethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromoethane (EDB)	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
Chlorobenzene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,1,1,2-Tetrachloroethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Ethylbenzene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
m,p-Xylenes	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
o-Xylene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Styrene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Bromoform	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Isopropylbenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,1,2,2-Tetrachloroethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,2,3-Trichloropropane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Bromobenzene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
n-Propylbenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
2-Chlorotoluene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
4-Chlorotoluene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,3,5-Trimethylbenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
tert-Butylbenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trimethylbenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
sec-Butylbenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichlorobenzene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
4-Isopropyltoluene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,4-Dichlorobenzene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
n-Butylbenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichlorobenzene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromo-3-chloropropane	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trichlorobenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,2,3-Trichlorobenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
Naphthalene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
Hexachlorobutadiene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	

Comments:

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH1 0-1  
Lab Code: K0505432-001

Units: ug/Kg  
Basis: Dry

Prorogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	98	70-119	11/08/05	Acceptable
luene-d8	100	72-121	11/08/05	Acceptable
Bromofluorobenzene	105	66-122	11/08/05	Acceptable

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH1 8-9  
 Lab Code: K0505432-003  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Chloromethane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Vinyl Chloride	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Bromomethane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Chloroethane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Trichlorofluoromethane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Acetone	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Carbon Disulfide	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Methylene Chloride	ND	U	13	1	11/08/05	11/08/05	KWG0519421	
trans-1,2-Dichloroethene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
2-Butanone (MEK)	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
2,2-Dichloropropane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
cis-1,2-Dichloroethene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Chloroform	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Bromochloromethane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
1,1,1-Trichloroethane (TCA)	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloropropene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Carbon Tetrachloride	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloroethane (EDC)	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Benzene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Trichloroethene (TCE)	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloropropane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Bromodichloromethane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Dibromomethane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
2-Hexanone	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
cis-1,3-Dichloropropene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Toluene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
trans-1,3-Dichloropropene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
1,1,2-Trichloroethane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
4-Methyl-2-pentanone (MIBK)	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichloropropane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH1 8-9  
 Lab Code: K0505432-003  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichloroethene (PCE)	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Dibromochloromethane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromoethane (EDB)	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
Chlorobenzene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
1,1,1,2-Tetrachloroethane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Ethylbenzene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
p-Xylenes	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
m-Xylene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Styrene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Formaldehyde	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Isopropylbenzene	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
1,1,2,2-Tetrachloroethane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
2,3-Trichloropropane	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Chlorobenzene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
n-Propylbenzene	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
Chlorotoluene	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
Chlorotoluene	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
1,3,5-Trimethylbenzene	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
n-Butylbenzene	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
2,4-Trimethylbenzene	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
sec-Butylbenzene	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichlorobenzene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
Isopropyltoluene	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
1,4-Dichlorobenzene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
n-Butylbenzene	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
2-Dichlorobenzene	ND	U	6.1	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromo-3-chloropropane	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trichlorobenzene	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
2,3-Trichlorobenzene	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
naphthalene	ND	U	25	1	11/08/05	11/08/05	KWG0519421	
Hexachlorobutadiene	ND	U	25	1	11/08/05	11/08/05	KWG0519421	

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH1 8-9  
Lab Code: K0505432-003

Units: ug/Kg  
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	97	70-119	11/08/05	Acceptable
Toluene-d8	104	72-121	11/08/05	Acceptable
4-Bromofluorobenzene	105	66-122	11/08/05	Acceptable

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-1 14-15  
 Lab Code: K0505432-004  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chlorodifluoromethane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Chloromethane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Vinyl Chloride	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Bromomethane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Chloroethane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Trichlorofluoromethane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Acetone	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
trans-1,2-Dichloroethene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Carbon Disulfide	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Ethylene Chloride	ND	U	13	1	11/08/05	11/08/05	KWG0519421	
trans-1,2-Dichloroethene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Butanone (MEK)	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
trans-2-Dichloropropane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
cis-1,2-Dichloroethene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Chloroform	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Bromochloromethane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
1,1,1-Trichloroethane (TCA)	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
trans-1-Dichloropropene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Carbon Tetrachloride	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloroethane (EDC)	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Benzene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Trichloroethene (TCE)	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloropropane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Bromodichloromethane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Dibromomethane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
trans-2-Hexanone	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
cis-1,3-Dichloropropene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Toluene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
trans-1,3-Dichloropropene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
1,1,2-Trichloroethane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Methyl-2-pentanone (MIBK)	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
trans-3-Dichloropropane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-1 14-15  
 Lab Code: K0505432-004  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Dibromochloromethane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromoethane (EDB)	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
Chlorobenzene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
1,1,1,2-Tetrachloroethane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Ethylbenzene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
m,p-Xylenes	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
o-Xylene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Styrene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Bromoform	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Isopropylbenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,1,2,2-Tetrachloroethane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
1,2,3-Trichloropropane	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
Bromobenzene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
n-Propylbenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
2-Chlorotoluene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
4-Chlorotoluene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,3,5-Trimethylbenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
tert-Butylbenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trimethylbenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
sec-Butylbenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichlorobenzene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
4-Isopropyltoluene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,4-Dichlorobenzene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
n-Butylbenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichlorobenzene	ND	U	6.5	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromo-3-chloropropane	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trichlorobenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,2,3-Trichlorobenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
Naphthalene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
Hexachlorobutadiene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	

Comments:



# Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-1 14-15  
 Lab Code: K0505432-004

Units: ug/Kg  
 Basis: Dry

Compound Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	70-119	11/08/05	Acceptable
Toluene-d8	107	72-121	11/08/05	Acceptable
Bromofluorobenzene	109	66-122	11/08/05	Acceptable

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-2 0-1  
 Lab Code: K0505432-005  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Chloromethane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Vinyl Chloride	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Bromomethane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Chloroethane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Trichlorofluoromethane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Acetone	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Carbon Disulfide	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Methylene Chloride	ND	U	11	1	11/08/05	11/08/05	KWG0519421	
trans-1,2-Dichloroethene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
2-Butanone (MEK)	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
2,2-Dichloropropane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
cis-1,2-Dichloroethene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Chloroform	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Bromochloromethane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
1,1,1-Trichloroethane (TCA)	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloropropene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Carbon Tetrachloride	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloroethane (EDC)	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Benzene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Trichloroethene (TCE)	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloropropane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Bromodichloromethane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Dibromomethane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
2-Hexanone	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
cis-1,3-Dichloropropene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Toluene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
trans-1,3-Dichloropropene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
1,1,2-Trichloroethane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
4-Methyl-2-pentanone (MIBK)	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichloropropane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-2 0-1  
 Lab Code: K0505432-005  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichloroethene (PCE)	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Dibromochloromethane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromoethane (EDB)	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
Chlorobenzene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
1,1,1,2-Tetrachloroethane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Benzylbenzene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
p-Xylenes	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
o-Xylene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Styrene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Formaldehyde	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Isopropylbenzene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
1,1,2,2-Tetrachloroethane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
1,3-Trichloropropane	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Chlorobenzene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
n-Propylbenzene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
Chlorotoluene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
Chlorotoluene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
1,3,5-Trimethylbenzene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
t-Butylbenzene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
1,4-Trimethylbenzene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
sec-Butylbenzene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichlorobenzene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Isopropyltoluene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
1,4-Dichlorobenzene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
Butylbenzene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichlorobenzene	ND	U	5.5	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromo-3-chloropropane	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trichlorobenzene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
1,3,5-Trichlorobenzene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
1,2,3-Trichlorobenzene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
1,2,3,4-Tetrahydrophthalene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	
1,2,3,4,5-Pentachlorobutadiene	ND	U	22	1	11/08/05	11/08/05	KWG0519421	

Comments:

## Analytical Results

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** 11/01/2005  
**Date Received:** 11/02/2005

## Volatile Organic Compounds

**Sample Name:** BH-2 0-1  
**Lab Code:** K0505432-005

**Units:** ug/Kg  
**Basis:** Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	97	70-119	11/08/05	Acceptable
Toluene-d8	102	72-121	11/08/05	Acceptable
4-Bromofluorobenzene	96	66-122	11/08/05	Acceptable

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-2 5-6  
 Lab Code: K0505432-007  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chlorodifluoromethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Chloromethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Vinyl Chloride	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Isobutyl Chloride	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Isobutyl Chloride	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Trichlorofluoromethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Acetone	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Carbon Disulfide	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Ethylene Chloride	14		14	1	11/08/05	11/08/05	KWG0519421	
trans-1,2-Dichloroethene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Butanone (MEK)	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
2-Dichloropropane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
cis-1,2-Dichloroethene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Chloroform	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Monochloromethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,1,1-Trichloroethane (TCA)	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloropropene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Carbon Tetrachloride	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloroethane (EDC)	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Benzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethene (TCE)	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
2-Dichloropropane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Bromodichloromethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Isobromomethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Hexanone	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
cis-1,3-Dichloropropene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Styrene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
trans-1,3-Dichloropropene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,1,2-Trichloroethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Methyl-2-pentanone (MIBK)	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
3-Dichloropropane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-2 5-6  
 Lab Code: K0505432-007  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Dibromochloromethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromoethane (EDB)	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
Chlorobenzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,1,1,2-Tetrachloroethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Ethylbenzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
m,p-Xylenes	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
o-Xylene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Styrene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Bromoform	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Isopropylbenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,1,2,2-Tetrachloroethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,2,3-Trichloropropane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Bromobenzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
n-Propylbenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
2-Chlorotoluene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
4-Chlorotoluene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,3,5-Trimethylbenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
tert-Butylbenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trimethylbenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
sec-Butylbenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichlorobenzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
4-Isopropyltoluene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,4-Dichlorobenzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
n-Butylbenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichlorobenzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromo-3-chloropropane	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trichlorobenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,2,3-Trichlorobenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
Naphthalene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
Hexachlorobutadiene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	

Comments:

# Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-2 5-6  
 Lab Code: K0505432-007

Units: ug/Kg  
 Basis: Dry

Compound Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	70-119	11/08/05	Acceptable
Toluene-d8	102	72-121	11/08/05	Acceptable
Bromofluorobenzene	102	66-122	11/08/05	Acceptable

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH2 10-11  
 Lab Code: K0505432-008  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Chloromethane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Vinyl Chloride	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Bromomethane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Chloroethane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Trichlorofluoromethane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Acetone	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Carbon Disulfide	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Methylene Chloride	ND	U	12	1	11/08/05	11/08/05	KWG0519421	
trans-1,2-Dichloroethene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
2-Butanone (MEK)	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
2,2-Dichloropropane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
cis-1,2-Dichloroethene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Chloroform	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Bromochloromethane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
1,1,1-Trichloroethane (TCA)	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloropropene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Carbon Tetrachloride	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloroethane (EDC)	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Benzene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Trichloroethene (TCE)	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloropropane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Bromodichloromethane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Dibromomethane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
2-Hexanone	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
cis-1,3-Dichloropropene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Toluene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
trans-1,3-Dichloropropene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
1,1,2-Trichloroethane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
4-Methyl-2-pentanone (MIBK)	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichloropropane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	

Comments:



## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH2 10-11  
 Lab Code: K0505432-008  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichloroethene (PCE)	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Bromochloromethane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromoethane (EDB)	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
Chlorobenzene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
1,1,1,2-Tetrachloroethane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Ethylbenzene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
m-Xylenes	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
p-Xylene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Styrene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Formoform	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
propylbenzene	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
1,1,2,2-Tetrachloroethane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
1,3-Trichloropropane	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Bromobenzene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
n-Propylbenzene	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
Chlorotoluene	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
Chlorotoluene	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
1,3,5-Trimethylbenzene	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
t-Butylbenzene	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
1,4-Trimethylbenzene	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
sec-Butylbenzene	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichlorobenzene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
Isopropyltoluene	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
1,4-Dichlorobenzene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
n-Butylbenzene	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichlorobenzene	ND	U	5.7	1	11/08/05	11/08/05	KWG0519421	
1,1-Dibromo-3-chloropropane	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trichlorobenzene	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
1,3-Trichlorobenzene	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
naphthalene	ND	U	23	1	11/08/05	11/08/05	KWG0519421	
Hexachlorobutadiene	ND	U	23	1	11/08/05	11/08/05	KWG0519421	

Comments: \_\_\_\_\_

## Analytical Results

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** 11/01/2005  
**Date Received:** 11/02/2005

## Volatile Organic Compounds

**Sample Name:** BH2 10-11  
**Lab Code:** K0505432-008

**Units:** ug/Kg  
**Basis:** Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	70-119	11/08/05	Acceptable
Toluene-d8	103	72-121	11/08/05	Acceptable
4-Bromofluorobenzene	104	66-122	11/08/05	Acceptable

Comments: \_\_\_\_\_

## COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-3 0-1  
 Lab Code: K0505432-009  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1-Dichlorodifluoromethane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Chloromethane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Vinyl Chloride	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Bromomethane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Chloroethane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Trichlorofluoromethane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Acetone	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Carbon Disulfide	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Ethylene Chloride	ND	U	11	1	11/08/05	11/08/05	KWG0519421	
trans-1,2-Dichloroethene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Butanone (MEK)	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
trans-2,2-Dichloropropane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
cis-1,2-Dichloroethene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Chloroform	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Bromochloromethane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
1,1,1-Trichloroethane (TCA)	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
trans-1-Dichloropropene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Carbon Tetrachloride	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloroethane (EDC)	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Benzene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethene (TCE)	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloropropane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
trans-1,2-Dichloroethane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Bromomethane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
2-Hexanone	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
trans-1,3-Dichloropropene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Styrene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
trans-1,3-Dichloropropene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
trans-1,2-Trichloroethane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Methyl-2-pentanone (MIBK)	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
trans-1,3-Dichloropropane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-3 0-1  
 Lab Code: K0505432-009  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Dibromochloromethane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromoethane (EDB)	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
Chlorobenzene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
1,1,1,2-Tetrachloroethane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Ethylbenzene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
m,p-Xylenes	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
o-Xylene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Styrene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Bromoform	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Isopropylbenzene	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
1,1,2,2-Tetrachloroethane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
1,2,3-Trichloropropane	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
Bromobenzene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
n-Propylbenzene	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
2-Chlorotoluene	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
4-Chlorotoluene	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
1,3,5-Trimethylbenzene	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
tert-Butylbenzene	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trimethylbenzene	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
sec-Butylbenzene	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichlorobenzene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
4-Isopropyltoluene	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
1,4-Dichlorobenzene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
n-Butylbenzene	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichlorobenzene	ND	U	5.3	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromo-3-chloropropane	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trichlorobenzene	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
1,2,3-Trichlorobenzene	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
Naphthalene	ND	U	21	1	11/08/05	11/08/05	KWG0519421	
Hexachlorobutadiene	ND	U	21	1	11/08/05	11/08/05	KWG0519421	

Comments:

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-3 0-1  
Lab Code: K0505432-009

Units: ug/Kg  
Basis: Dry

Compound Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	99	70-119	11/08/05	Acceptable
Toluene-d8	101	72-121	11/08/05	Acceptable
Bromofluorobenzene	89	66-122	11/08/05	Acceptable

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-3 6-7  
 Lab Code: K0505432-011  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Chloromethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Vinyl Chloride	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Bromomethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Chloroethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Trichlorofluoromethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Acetone	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Carbon Disulfide	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Methylene Chloride	ND	U	14	1	11/08/05	11/08/05	KWG0519421	
trans-1,2-Dichloroethene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
2-Butanone (MEK)	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
2,2-Dichloropropane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
cis-1,2-Dichloroethene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Chloroform	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Bromochloromethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,1,1-Trichloroethane (TCA)	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloropropene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Carbon Tetrachloride	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloroethane (EDC)	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Benzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Trichloroethene (TCE)	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloropropane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Bromodichloromethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Dibromomethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
2-Hexanone	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
cis-1,3-Dichloropropene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Toluene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
trans-1,3-Dichloropropene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,1,2-Trichloroethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
4-Methyl-2-pentanone (MIBK)	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichloropropane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-3 6-7  
 Lab Code: K0505432-011  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichloroethene (PCE)	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,1-Dibromochloromethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromoethane (EDB)	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
Chlorobenzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,1,1,2-Tetrachloroethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Ethylbenzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
m,p-Xylenes	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
o-Xylene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Styrene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Isobutylbenzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Isopropylbenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,1,2,2-Tetrachloroethane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,3-Trichloropropane	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Chlorobenzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
n-Propylbenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
Chlorotoluene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
Chlorotoluene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,3,5-Trimethylbenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
n-Butylbenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,4-Trimethylbenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
sec-Butylbenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichlorobenzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
Isopropyltoluene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,4-Dichlorobenzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
n-Butylbenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichlorobenzene	ND	U	6.9	1	11/08/05	11/08/05	KWG0519421	
1,1-Dibromo-3-chloropropane	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trichlorobenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
1,3-Trichlorobenzene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
naphthalene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	
Hexachlorobutadiene	ND	U	28	1	11/08/05	11/08/05	KWG0519421	

Comments:

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** 11/01/2005  
**Date Received:** 11/02/2005

## Volatile Organic Compounds

**Sample Name:** BH-3 6-7  
**Lab Code:** K0505432-011

**Units:** ug/Kg  
**Basis:** Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	97	70-119	11/08/05	Acceptable
Toluene-d8	101	72-121	11/08/05	Acceptable
4-Bromofluorobenzene	102	66-122	11/08/05	Acceptable

Comments: \_\_\_\_\_



## Analytical Results

Client: HDR Engineering  
 Object: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432

Date Collected: 11/01/2005

Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-3 10-11  
 Lab Code: K0505432-012  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg

Basis: Dry

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1-Dichlorodifluoromethane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Chloromethane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Vinyl Chloride	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Dimethylmethane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Chloroethane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Trichlorofluoromethane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Acetone	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Carbon Disulfide	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloroethane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
1,1,1-Trichloroethane (TCA)	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
2-Butanone (MEK)	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloropropane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
cis-1,2-Dichloroethene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Chloroform	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
1,1,1-Trichloroethane (TCA)	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloropropene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Carbon Tetrachloride	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloroethane (EDC)	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Benzene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethene (TCE)	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichloropropane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Bromodichloromethane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Bromomethane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
2-Hexanone	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
cis-1,3-Dichloropropene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Styrene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
trans-1,3-Dichloropropene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
1,1,2-Trichloroethane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Methyl-2-pentanone (MIBK)	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichloropropane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-3 10-11  
 Lab Code: K0505432-012  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Dibromochloromethane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromoethane (EDB)	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
Chlorobenzene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
1,1,1,2-Tetrachloroethane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Ethylbenzene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
m,p-Xylenes	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
o-Xylene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Styrene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Bromoform	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Isopropylbenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,1,2,2-Tetrachloroethane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
1,2,3-Trichloropropane	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
Bromobenzene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
n-Propylbenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
2-Chlorotoluene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
4-Chlorotoluene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,3,5-Trimethylbenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
tert-Butylbenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trimethylbenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
sec-Butylbenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichlorobenzene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
4-Isopropyltoluene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,4-Dichlorobenzene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
n-Butylbenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichlorobenzene	ND	U	6.3	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromo-3-chloropropane	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trichlorobenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
1,2,3-Trichlorobenzene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
Naphthalene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	
Hexachlorobutadiene	ND	U	26	1	11/08/05	11/08/05	KWG0519421	

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-3 10-11  
Lab Code: K0505432-012

Units: ug/Kg  
Basis: Dry

Compound Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	70-119	11/08/05	Acceptable
Toluene-d8	99	72-121	11/08/05	Acceptable
4-Bromofluorobenzene	101	66-122	11/08/05	Acceptable

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-4 0-1  
 Lab Code: K0505432-013  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Chloromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Bromomethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Chloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Methylene Chloride	ND	U	12	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
2,2-Dichloropropane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Trichloroethane (TCA)	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloroethane (EDC)	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Trichloroethene (TCE)	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Dibromomethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
2-Hexanone	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Toluene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
4-Methyl-2-pentanone (MIBK)	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichloropropane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-4 0-1  
 Lab Code: K0505432-013  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichloroethene (PCE)	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Dibromochloromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1,1,2-Tetrachloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Ethylbenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
m-Xylenes	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
o-Xylene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Styrene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Dimethylform	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Isopropylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,3-Trichloropropane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Monobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
n-Propylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
Chlorotoluene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
Chlorotoluene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,3,5-Trimethylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
t-Butylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,4-Trimethylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
sec-Butylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Isopropyltoluene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,4-Dibromo-3-chloropropane	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,3-Trichlorobenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
Phthalene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
Hexachlorobutadiene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	

Comments: \_\_\_\_\_

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-4 0-1  
Lab Code: K0505432-013

Units: ug/Kg  
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	100	70-119	11/09/05	Acceptable
Toluene-d8	101	72-121	11/09/05	Acceptable
4-Bromofluorobenzene	99	66-122	11/09/05	Acceptable

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-4 5.5-6.5  
 Lab Code: K0505432-014  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1-Dichlorodifluoromethane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Chloromethane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Isobutyl Chloride	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Chloroethane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	19		12	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Trichloroethane (TCA)	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloroethane (EDC)	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene (TCE)	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Bromomethane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
2-Hexanone	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Styrene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Methyl-2-pentanone (MIBK)	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-4 5.5-6.5  
 Lab Code: K0505432-014  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Dibromochloromethane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
1,1,1,2-Tetrachloroethane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Ethylbenzene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
m,p-Xylenes	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
o-Xylene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Styrene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Bromoform	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Isopropylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichloropropane	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
Bromobenzene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
n-Propylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
2-Chlorotoluene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
4-Chlorotoluene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,3,5-Trimethylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
tert-Butylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trimethylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
sec-Butylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
4-Isopropyltoluene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	5.9	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromo-3-chloropropane	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
Naphthalene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
Hexachlorobutadiene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	

Comments:



## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-4 5.5-6.5  
Lab Code: K0505432-014

Units: ug/Kg  
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	94	70-119	11/09/05	Acceptable
luene-d8	105	72-121	11/09/05	Acceptable
Bromofluorobenzene	103	66-122	11/09/05	Acceptable

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-4 9.5-10.5  
 Lab Code: K0505432-015  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Chloromethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Bromomethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Chloroethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Methylene Chloride	12		12	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
2,2-Dichloropropane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Trichloroethane (TCA)	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloroethane (EDC)	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Trichloroethene (TCE)	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Dibromomethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
2-Hexanone	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Toluene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
4-Methyl-2-pentanone (MIBK)	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichloropropane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	

Comments:

## Analytical Results

Client: HDR Engineering  
 Subject: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-4 9.5-10.5  
 Lab Code: K0505432-015  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Sample Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1,2-Trichloroethene (PCE)	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Dibromochloromethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,1,1,2-Tetrachloroethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Ethylbenzene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
p-Xylenes	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
m-Xylene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Styrene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Formaldehyde	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
n-Propylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,3-Trichloropropane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
n-Propylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
Chlorotoluene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
Chlorotoluene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,3,5-Trimethylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
t-Butylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,4-Trimethylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
sec-Butylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Isopropyltoluene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromo-3-chloropropane	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,3-Trichlorobenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
Hexachlorobutadiene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	

Comments:

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-4 9.5-10.5  
Lab Code: K0505432-015

Units: ug/Kg  
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	94	70-119	11/09/05	Acceptable
Toluene-d8	108	72-121	11/09/05	Acceptable
4-Bromofluorobenzene	103	66-122	11/09/05	Acceptable

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-5 0-1  
 Lab Code: K0505432-016  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichlorodifluoromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Chloromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Fluoromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Chloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Methylene Chloride	ND	U	12	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Trichloroethane (TCA)	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloroethane (EDC)	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Trichloroethene (TCE)	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Bromomethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Hexanone	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Toluene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
4-Methyl-2-pentanone (MIBK)	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-5 0-1  
 Lab Code: K0505432-016  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Dibromochloromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1,1,2-Tetrachloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Ethylbenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
m,p-Xylenes	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
o-Xylene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Styrene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Bromoform	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Isopropylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichloropropane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Bromobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
n-Propylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
2-Chlorotoluene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
4-Chlorotoluene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,3,5-Trimethylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
tert-Butylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trimethylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
sec-Butylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
4-Isopropyltoluene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromo-3-chloropropane	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
Naphthalene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
Hexachlorobutadiene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	

Comments: \_\_\_\_\_

# Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-5 0-1  
 Lab Code: K0505432-016

Units: ug/Kg  
 Basis: Dry

Compound Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	95	70-119	11/09/05	Acceptable
Toluene-d8	106	72-121	11/09/05	Acceptable
Bromofluorobenzene	98	66-122	11/09/05	Acceptable

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-5 10.5-11.5  
 Lab Code: K0505432-018  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Chloromethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Bromomethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Chloroethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Methylene Chloride	15		14	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
2,2-Dichloropropane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Trichloroethane (TCA)	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloroethane (EDC)	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Trichloroethene (TCE)	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Dibromomethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
2-Hexanone	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Toluene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
4-Methyl-2-pentanone (MIBK)	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichloropropane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	

Comments:



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-5 10.5-11.5  
 Lab Code: K0505432-018  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichloroethene (PCE)	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Tetrachloroethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Ethylbenzene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
m,p-Xylenes	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
o-Xylene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
p-Xylene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Bromoform	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Isopropylbenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichloropropane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Propylbenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
2-Chlorotoluene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
Chlorotoluene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
3,5-Trimethylbenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
tert-Butylbenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
2,4-Trimethylbenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Isopropyltoluene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromo-3-chloropropane	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
naphthalene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
Hexachlorobutadiene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	

Comments:

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** 11/01/2005  
**Date Received:** 11/02/2005

## Volatile Organic Compounds

**Sample Name:** BH-5 10.5-11.5  
**Lab Code:** K0505432-018

**Units:** ug/Kg  
**Basis:** Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	93	70-119	11/09/05	Acceptable
Toluene-d8	109	72-121	11/09/05	Acceptable
4-Bromofluorobenzene	108	66-122	11/09/05	Acceptable

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-6 0-1  
 Lab Code: K0505432-019  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichlorodifluoromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Chloromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Bromomethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Chloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Methylene Chloride	ND	U	12	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
2,2-Dichloropropane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Trichloroethane (TCA)	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
2-Dichloroethane (EDC)	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene (TCE)	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
2-Dichloropropane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Dibromomethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Hexanone	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Toluene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
4-Methyl-2-pentanone (MIBK)	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
3-Dichloropropane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-6 0-1  
 Lab Code: K0505432-019  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Dibromochloromethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,1,1,2-Tetrachloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Ethylbenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
m,p-Xylenes	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
o-Xylene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Styrene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Bromoform	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Isopropylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichloropropane	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
Bromobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
n-Propylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
2-Chlorotoluene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
4-Chlorotoluene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,3,5-Trimethylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
tert-Butylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trimethylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
sec-Butylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
4-Isopropyltoluene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	5.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromo-3-chloropropane	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
Naphthalene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	
Hexachlorobutadiene	ND	U	23	1	11/09/05	11/09/05	KWG0519497	

Comments:

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** 11/01/2005  
**Date Received:** 11/02/2005

## Volatile Organic Compounds

**Sample Name:** BH-6 0-1  
**Lab Code:** K0505432-019

**Units:** ug/Kg  
**Basis:** Dry

Compound Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	95	70-119	11/09/05	Acceptable
Toluene-d8	104	72-121	11/09/05	Acceptable
1,3-Dibromofluorobenzene	105	66-122	11/09/05	Acceptable

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-6 7-8  
 Lab Code: K0505432-020  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Chloromethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Bromomethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Chloroethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Methylene Chloride	25		14	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
2,2-Dichloropropane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Trichloroethane (TCA)	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloroethane (EDC)	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Trichloroethene (TCE)	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Dibromomethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
2-Hexanone	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Toluene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
4-Methyl-2-pentanone (MIBK)	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichloropropane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-6 7-8  
 Lab Code: K0505432-020  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichloroethene (PCE)	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Tetrachloroethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Ethylbenzene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
m,p-Xylenes	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
o-Xylene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Styrene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Bromoform	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Isopropylbenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichloropropane	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Propylbenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
2-Chlorotoluene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
Chlorotoluene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
3,5-Trimethylbenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
tert-Butylbenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
2,4-Trimethylbenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
o-Butylbenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
Isopropyltoluene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
4-Dichlorobenzene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	6.6	1	11/09/05	11/09/05	KWG0519497	
1,1-Dibromo-3-chloropropane	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
naphthalene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	
Hexachlorobutadiene	ND	U	27	1	11/09/05	11/09/05	KWG0519497	

Comments:

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** 11/01/2005  
**Date Received:** 11/02/2005

## Volatile Organic Compounds

**Sample Name:** BH-6 7-8  
**Lab Code:** K0505432-020

**Units:** ug/Kg  
**Basis:** Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	94	70-119	11/09/05	Acceptable
Toluene-d8	108	72-121	11/09/05	Acceptable
4-Bromofluorobenzene	107	66-122	11/09/05	Acceptable

Comments: \_\_\_\_\_



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-6 14.5-15.5  
 Lab Code: K0505432-021  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Chloromethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Bromomethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Chloroethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Methylene Chloride	ND	U	12	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
2-Dichloropropane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Trichloroethane (TCA)	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Dichloropropene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloroethane (EDC)	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethene (TCE)	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
2-Dichloropropane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Dibromomethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Hexanone	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Toluene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
4-Methyl-2-pentanone (MIBK)	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
3-Dichloropropane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-6 14.5-15.5  
 Lab Code: K0505432-021  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Dibromochloromethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,1,1,2-Tetrachloroethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Ethylbenzene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
m,p-Xylenes	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
o-Xylene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Styrene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Bromoform	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Isopropylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichloropropane	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
Bromobenzene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
n-Propylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
2-Chlorotoluene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
4-Chlorotoluene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,3,5-Trimethylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
tert-Butylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trimethylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
sec-Butylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
4-Isopropyltoluene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	6.0	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromo-3-chloropropane	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
Naphthalene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	
Hexachlorobutadiene	ND	U	24	1	11/09/05	11/09/05	KWG0519497	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-6 14.5-15.5  
Lab Code: K0505432-021

Units: ug/Kg  
Basis: Dry

Compound Name	%Rec	Control Limits	Date Analyzed	Note
1,1-Dibromofluoromethane	90	70-119	11/09/05	Acceptable
Toluene-d8	115	72-121	11/09/05	Acceptable
1,3-Dibromofluorobenzene	110	66-122	11/09/05	Acceptable

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-7 0-1  
 Lab Code: K0505432-022  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Chloromethane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Bromomethane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Chloroethane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Methylene Chloride	ND	U	11	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
2,2-Dichloropropane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Trichloroethane (TCA)	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloroethane (EDC)	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Trichloroethene (TCE)	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Dibromomethane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
2-Hexanone	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Toluene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
4-Methyl-2-pentanone (MIBK)	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichloropropane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-7 0-1  
 Lab Code: K0505432-022  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
bromochloromethane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Tetrachloroethane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
m,p-Xylenes	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
o-Xylene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
p-Xylene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Bromoform	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Isopropylbenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,2,2-Tetrachloroethane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichloropropane	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
Propylbenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
2-Chlorotoluene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
3-Chlorotoluene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
3,5-Trimethylbenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
tert-Butylbenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trimethylbenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
o-Butylbenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
4-Isopropyltoluene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	5.3	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromo-3-chloropropane	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,2,3,4-Tetrahydronaphthalene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,2,3,4,5-Pentachlorobutadiene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-7 0-1  
Lab Code: K0505432-022

Units: ug/Kg  
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	94	70-119	11/09/05	Acceptable
Toluene-d8	111	72-121	11/09/05	Acceptable
4-Bromofluorobenzene	110	66-122	11/09/05	Acceptable

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-7 5-6  
 Lab Code: K0505432-023  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1-Dichlorodifluoromethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloromethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1-Dibromomethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Methylene Chloride	15		13	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1-Dibromochloromethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Trichloroethane (TCA)	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane (EDC)	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene (TCE)	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1-Dibromomethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Hexanone	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Toluene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
4-Methyl-2-pentanone (MIBK)	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-7 5-6  
 Lab Code: K0505432-023  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Dibromochloromethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1,1,2-Tetrachloroethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Ethylbenzene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
m,p-Xylenes	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
o-Xylene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Styrene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Bromoform	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Isopropylbenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichloropropane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Bromobenzene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
n-Propylbenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
2-Chlorotoluene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
4-Chlorotoluene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,3,5-Trimethylbenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
tert-Butylbenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trimethylbenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
sec-Butylbenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
4-Isopropyltoluene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromo-3-chloropropane	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
Naphthalene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
Hexachlorobutadiene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	

Comments:



Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-7 5-6  
Job Code: K0505432-023

Units: ug/Kg  
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1 bromofluoromethane	96	70-119	11/09/05	Acceptable
Toluene-d8	106	72-121	11/09/05	Acceptable
4 Bromofluorobenzene	102	66-122	11/09/05	Acceptable

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-7 10-11  
 Lab Code: K0505432-024  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Chloromethane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Bromomethane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Chloroethane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Methylene Chloride	ND	U	11	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
2,2-Dichloropropane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Trichloroethane (TCA)	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloroethane (EDC)	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Trichloroethene (TCE)	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Dibromomethane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
2-Hexanone	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Toluene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
4-Methyl-2-pentanone (MIBK)	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichloropropane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-7 10-11  
 Lab Code: K0505432-024  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichloroethene (PCE)	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Tetrachloroethane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Ethylbenzene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
p-Xylenes	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
m-Xylene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Styrene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Formaldehyde	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Isopropylbenzene	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichloropropane	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Bromobenzene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
n-Propylbenzene	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
o-Chlorotoluene	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
p-Chlorotoluene	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
1,3,5-Trimethylbenzene	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
tert-Butylbenzene	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trimethylbenzene	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
sec-Butylbenzene	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
Isopropyltoluene	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	5.4	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromo-3-chloropropane	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
1,3,5-Trichlorobenzene	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
naphthalene	ND	U	22	1	11/09/05	11/09/05	KWG0519497	
Hexachlorobutadiene	ND	U	22	1	11/09/05	11/09/05	KWG0519497	

Comments: \_\_\_\_\_

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** 11/01/2005  
**Date Received:** 11/02/2005

## Volatile Organic Compounds

**Sample Name:** BH-7 10-11  
**Lab Code:** K0505432-024

**Units:** ug/Kg  
**Basis:** Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	93	70-119	11/09/05	Acceptable
Toluene-d8	109	72-121	11/09/05	Acceptable
4-Bromofluorobenzene	104	66-122	11/09/05	Acceptable

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-8 0-1  
 Lab Code: K0505432-025  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1-Dichlorodifluoromethane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloromethane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,1-Dibromomethane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,1-Dibromoethane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Methylene Chloride	ND	U	11	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,1-Dibromochloromethane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Trichloroethane (TCA)	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloroethane (EDC)	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene (TCE)	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,1-Dibromomethane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
2-Hexanone	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Toluene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
4-Methyl-2-pentanone (MIBK)	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichloropropane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-8 0-1  
 Lab Code: K0505432-025  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Dibromochloromethane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,1,1,2-Tetrachloroethane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Ethylbenzene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
m,p-Xylenes	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
o-Xylene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Styrene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Bromoform	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Isopropylbenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichloropropane	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
Bromobenzene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
n-Propylbenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
2-Chlorotoluene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
4-Chlorotoluene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,3,5-Trimethylbenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
tert-Butylbenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trimethylbenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
sec-Butylbenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
4-Isopropyltoluene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	5.2	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromo-3-chloropropane	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
Naphthalene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	
Hexachlorobutadiene	ND	U	21	1	11/09/05	11/09/05	KWG0519497	

Comments:

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-8 0-1  
Lab Code: K0505432-025

Units: ug/Kg  
Basis: Dry

Compound Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	70-119	11/09/05	Acceptable
Toluene-d8	107	72-121	11/09/05	Acceptable
Bromofluorobenzene	97	66-122	11/09/05	Acceptable

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-8 7.5-8.5  
 Lab Code: K0505432-026  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Chloromethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Bromomethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Chloroethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Methylene Chloride	ND	U	13	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
2,2-Dichloropropane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Trichloroethane (TCA)	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloroethane (EDC)	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Trichloroethene (TCE)	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Dibromomethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
2-Hexanone	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Toluene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
4-Methyl-2-pentanone (MIBK)	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichloropropane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	

Comments: \_\_\_\_\_



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-8 7.5-8.5  
 Lab Code: K0505432-026  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichloroethene (PCE)	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Tetrachloroethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Ethylbenzene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
m,p-Xylenes	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Xylene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Styrene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Bromoform	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Isopropylbenzene	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichloropropane	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Propylbenzene	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
2-Chlorotoluene	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
Chlorotoluene	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
3,5-Trimethylbenzene	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
tert-Butylbenzene	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
2,4-Trimethylbenzene	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
o-Butylbenzene	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
Isopropyltoluene	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	6.3	1	11/09/05	11/09/05	KWG0519497	
1,1-Dibromo-3-chloropropane	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
Phthalene	ND	U	25	1	11/09/05	11/09/05	KWG0519497	
Hexachlorobutadiene	ND	U	25	1	11/09/05	11/09/05	KWG0519497	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-8 7.5-8.5  
Lab Code: K0505432-026

Units: ug/Kg  
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	98	70-119	11/09/05	Acceptable
Toluene-d8	104	72-121	11/09/05	Acceptable
4-Bromofluorobenzene	104	66-122	11/09/05	Acceptable

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-8 14-15  
 Lab Code: K0505432-027  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichlorodifluoromethane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Chloromethane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Fluoromethane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Chloroethane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Methylene Chloride	19		13	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
1,1-Trichloroethane (TCA)	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloroethane (EDC)	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene (TCE)	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Dibromomethane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Hexanone	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Toluene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
4-Methyl-2-pentanone (MIBK)	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichloropropane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-8 14-15  
 Lab Code: K0505432-027  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Dibromochloromethane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
1,1,1,2-Tetrachloroethane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Ethylbenzene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
m,p-Xylenes	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
o-Xylene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Styrene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Bromoform	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Isopropylbenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichloropropane	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
Bromobenzene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
n-Propylbenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
2-Chlorotoluene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
4-Chlorotoluene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,3,5-Trimethylbenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
tert-Butylbenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trimethylbenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
sec-Butylbenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
4-Isopropyltoluene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	6.4	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromo-3-chloropropane	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
Naphthalene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	
Hexachlorobutadiene	ND	U	26	1	11/09/05	11/09/05	KWG0519497	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-8 14-15  
Lab Code: K0505432-027

Units: ug/Kg  
Basis: Dry

Compound Name	%Rec	Control Limits	Date Analyzed	Note
1,1-dibromofluoromethane	95	70-119	11/09/05	Acceptable
Toluene-d8	109	72-121	11/09/05	Acceptable
1,3-dibromofluorobenzene	107	66-122	11/09/05	Acceptable

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-5 6-7  
 Lab Code: K0505432-029  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Chloromethane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Vinyl Chloride	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Bromomethane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Chloroethane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Trichlorofluoromethane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Acetone	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
1,1-Dichloroethene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Carbon Disulfide	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Methylene Chloride	14		13	1	11/10/05	11/10/05	KWG0519566	
trans-1,2-Dichloroethene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
1,1-Dichloroethane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
2-Butanone (MEK)	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
2,2-Dichloropropane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
cis-1,2-Dichloroethene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Chloroform	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Bromochloromethane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
1,1,1-Trichloroethane (TCA)	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
1,1-Dichloropropene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Carbon Tetrachloride	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
1,2-Dichloroethane (EDC)	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Benzene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Trichloroethene (TCE)	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
1,2-Dichloropropane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Bromodichloromethane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Dibromomethane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
2-Hexanone	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
cis-1,3-Dichloropropene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Toluene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
trans-1,3-Dichloropropene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
1,1,2-Trichloroethane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
4-Methyl-2-pentanone (MIBK)	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
1,3-Dichloropropane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-5 6-7  
 Lab Code: K0505432-029  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
trachloroethene (PCE)	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
bromochloromethane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
1,2-Dibromoethane (EDB)	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
lorobenzene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
1,1,2-Tetrachloroethane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Ethylbenzene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
p-Xylenes	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Xylene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Styrene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
omiform	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
propylbenzene	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
1,1,2,2-Tetrachloroethane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
2,3-Trichloropropane	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
omobenzene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Propylbenzene	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
2-Chlorotoluene	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
Chlorotoluene	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
3,5-Trimethylbenzene	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
tert-Butylbenzene	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
2,4-Trimethylbenzene	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
o-Butylbenzene	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
1,3-Dichlorobenzene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
Isopropyltoluene	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
4-Dichlorobenzene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
n-Butylbenzene	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
2-Dichlorobenzene	ND	U	6.5	1	11/10/05	11/10/05	KWG0519566	
2-Dibromo-3-chloropropane	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
1,2,4-Trichlorobenzene	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
2,3-Trichlorobenzene	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
aphthalene	ND	U	26	1	11/10/05	11/10/05	KWG0519566	
Hexachlorobutadiene	ND	U	26	1	11/10/05	11/10/05	KWG0519566	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Volatile Organic Compounds

Sample Name: BH-5 6-7  
Lab Code: K0505432-029

Units: ug/Kg  
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	97	70-119	11/10/05	Acceptable
Toluene-d8	106	72-121	11/10/05	Acceptable
4-Bromofluorobenzene	101	66-122	11/10/05	Acceptable

Comments: \_\_\_\_\_



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Volatile Organic Compounds

Sample Name: Method Blank  
 Lab Code: KWG0519421-5  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichlorodifluoromethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Chloromethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Vinyl Chloride	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Bromomethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Chloroethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Trichlorofluoromethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Acetone	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Carbon Disulfide	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Methylene Chloride	ND	U	10	1	11/08/05	11/08/05	KWG0519421	
trans-1,2-Dichloroethene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
cis-1,2-Dichloroethene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
2-Butanone (MEK)	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloropropane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
cis-1,2-Dichloroethene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Chloroform	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Bromochloromethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,1,1-Trichloroethane (TCA)	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloropropene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Carbon Tetrachloride	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloroethane (EDC)	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Benzene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Trichloroethene (TCE)	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloropropane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Bromodichloromethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Dibromomethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Hexanone	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
cis-1,3-Dichloropropene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Toluene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
trans-1,3-Dichloropropene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,1,2-Trichloroethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,1-Dichloropropane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Volatile Organic Compounds

Sample Name: Method Blank  
 Lab Code: KWG0519421-5  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Dibromochloromethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromoethane (EDB)	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
Chlorobenzene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,1,1,2-Tetrachloroethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Ethylbenzene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
m,p-Xylenes	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
o-Xylene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Styrene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Bromoform	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Isopropylbenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,1,2,2-Tetrachloroethane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,2,3-Trichloropropane	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
Bromobenzene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
n-Propylbenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
2-Chlorotoluene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
4-Chlorotoluene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,3,5-Trimethylbenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
tert-Butylbenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trimethylbenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
sec-Butylbenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,3-Dichlorobenzene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
4-Isopropyltoluene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,4-Dichlorobenzene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
n-Butylbenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,2-Dichlorobenzene	ND	U	5.0	1	11/08/05	11/08/05	KWG0519421	
1,2-Dibromo-3-chloropropane	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,2,4-Trichlorobenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
1,2,3-Trichlorobenzene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
Naphthalene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	
Hexachlorobutadiene	ND	U	20	1	11/08/05	11/08/05	KWG0519421	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: NA  
Date Received: NA

## Volatile Organic Compounds

Sample Name: Method Blank  
Lab Code: KWG0519421-5

Units: ug/Kg  
Basis: Dry

Compound Name	%Rec	Control Limits	Date Analyzed	Note
bromofluoromethane	97	70-119	11/08/05	Acceptable
Toluene-d8	109	72-121	11/08/05	Acceptable
Bromofluorobenzene	108	66-122	11/08/05	Acceptable

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Volatile Organic Compounds

Sample Name: Method Blank  
 Lab Code: KWG0519497-5  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Chloromethane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Vinyl Chloride	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Bromomethane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Chloroethane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Trichlorofluoromethane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Acetone	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Carbon Disulfide	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Methylene Chloride	ND	U	10	1	11/09/05	11/09/05	KWG0519497	
trans-1,2-Dichloroethene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloroethane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
2-Butanone (MEK)	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
2,2-Dichloropropane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
cis-1,2-Dichloroethene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Chloroform	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
1,1,1-Trichloroethane (TCA)	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
1,1-Dichloropropene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Carbon Tetrachloride	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloroethane (EDC)	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Benzene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Trichloroethene (TCE)	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichloropropane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Bromodichloromethane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Dibromomethane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
2-Hexanone	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
cis-1,3-Dichloropropene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Toluene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
trans-1,3-Dichloropropene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Trichloroethane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichloropropane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Volatile Organic Compounds

Sample Name: Method Blank  
 Lab Code: KWG0519497-5  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Trichloroethene (PCE)	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Bromochloromethane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
1,2-Dibromoethane (EDB)	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
Chlorobenzene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
1,1,2-Tetrachloroethane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Ethylbenzene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
m,p-Xylenes	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
o-Xylene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Styrene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Bromoform	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Isopropylbenzene	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
1,1,2,2-Tetrachloroethane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichloropropane	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Monobenzene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Propylbenzene	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
2-Chlorotoluene	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
Chlorotoluene	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
1,5-Trimethylbenzene	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
tert-Butylbenzene	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
2,4-Trimethylbenzene	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
1,3-Dichlorobenzene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
Isopropyltoluene	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
1,4-Dichlorobenzene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
n-Butylbenzene	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
1,2-Dichlorobenzene	ND	U	5.0	1	11/09/05	11/09/05	KWG0519497	
1,1-Dibromo-3-chloropropane	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
1,2,4-Trichlorobenzene	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
1,2,3-Trichlorobenzene	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
naphthalene	ND	U	20	1	11/09/05	11/09/05	KWG0519497	
Hexachlorobutadiene	ND	U	20	1	11/09/05	11/09/05	KWG0519497	

Comments: \_\_\_\_\_

**Client:** HDR Engineering  
**Project:** Myra Road  
**Sample Matrix:** Soil

**Service Request:** K0505432  
**Date Collected:** NA  
**Date Received:** NA

## Volatile Organic Compounds

**Sample Name:** Method Blank  
**Lab Code:** KWG0519497-5

**Units:** ug/Kg  
**Basis:** Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	98	70-119	11/09/05	Acceptable
Toluene-d8	105	72-121	11/09/05	Acceptable
4-Bromofluorobenzene	105	66-122	11/09/05	Acceptable

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Volatile Organic Compounds

Sample Name: Method Blank  
 Lab Code: KWG0519566-5  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chlorodifluoromethane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Chloromethane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Vinyl Chloride	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Fluoromethane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Chloroethane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Trichlorofluoromethane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Acetone	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
1,1-Dichloroethene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Carbon Disulfide	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
1,2-Dichloroethane	ND	U	10	1	11/10/05	11/10/05	KWG0519566	
trans-1,2-Dichloroethene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
1,1-Dichloroethane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
2-Butanone (MEK)	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
2-Dichloropropane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
cis-1,2-Dichloroethene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Chloroform	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Monochloromethane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
1,1,1-Trichloroethane (TCA)	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
1,1-Dichloropropene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Carbon Tetrachloride	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
1,2-Dichloroethane (EDC)	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Benzene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
1,1-Dichloroethene (TCE)	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
2-Dichloropropane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Bromodichloromethane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Bromomethane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Hexanone	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
cis-1,3-Dichloropropene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Styrene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
trans-1,3-Dichloropropene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
1,1,2-Trichloroethane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Methyl-2-pentanone (MIBK)	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
3-Dichloropropane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Volatile Organic Compounds

Sample Name: Method Blank  
 Lab Code: KWG0519566-5  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Dibromochloromethane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
1,2-Dibromoethane (EDB)	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
Chlorobenzene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
1,1,1,2-Tetrachloroethane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Ethylbenzene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
m,p-Xylenes	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
o-Xylene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Styrene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Bromoform	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Isopropylbenzene	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
1,1,2,2-Tetrachloroethane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
1,2,3-Trichloropropane	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
Bromobenzene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
n-Propylbenzene	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
2-Chlorotoluene	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
4-Chlorotoluene	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
1,3,5-Trimethylbenzene	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
tert-Butylbenzene	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
1,2,4-Trimethylbenzene	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
sec-Butylbenzene	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
1,3-Dichlorobenzene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
4-Isopropyltoluene	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
1,4-Dichlorobenzene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
n-Butylbenzene	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
1,2-Dichlorobenzene	ND	U	5.0	1	11/10/05	11/10/05	KWG0519566	
1,2-Dibromo-3-chloropropane	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
1,2,4-Trichlorobenzene	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
1,2,3-Trichlorobenzene	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
Naphthalene	ND	U	20	1	11/10/05	11/10/05	KWG0519566	
Hexachlorobutadiene	ND	U	20	1	11/10/05	11/10/05	KWG0519566	

Comments:



Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: NA  
Date Received: NA

## Volatile Organic Compounds

Sample Name: Method Blank  
Lab Code: KWG0519566-5

Units: ug/Kg  
Basis: Dry

Prorogate Name	%Rec	Control Limits	Date Analyzed	Note
bromofluoromethane	95	70-119	11/10/05	Acceptable
Toluene-d8	109	72-121	11/10/05	Acceptable
Bromofluorobenzene	104	66-122	11/10/05	Acceptable

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432

Surrogate Recovery Summary  
Volatile Organic Compounds

Extraction Method: EPA 5030B  
Analysis Method: 8260B

Units: PERCENT  
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>
BH-1	K0505432-030	99	105	89
BH-2	K0505432-031	97	104	90
BH-3	K0505432-032	99	106	91
BH-4	K0505432-033	98	106	89
BH-6	K0505432-034	99	104	92
BH-7	K0505432-035	96	104	92
Trip Blanks	K0505432-036	97	106	90
Method Blank	KWG0519654-4	98	105	90
Batch QC	K0505434-012	97	104	90
Batch QCMS	KWG0519654-1	97	108	94
Batch QCDMS	KWG0519654-2	98	107	97
Lab Control Sample	KWG0519654-3	96	105	93

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Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	80-119
Sur2 = Toluene-d8	83-113
Sur3 = 4-Bromofluorobenzene	72-114

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Results flagged with an asterisk (\*) indicate values outside control criteria.  
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432

### Surrogate Recovery Summary Volatile Organic Compounds

Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: PERCENT  
 Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
I-1 0-1	K0505432-001	98	100	105
BH-1 8-9	K0505432-003	97	104	105
I-1 14-15	K0505432-004	96	107	109
I-2 0-1	K0505432-005	97	102	96
BH-2 5-6	K0505432-007	96	102	102
PH-2 10-11	K0505432-008	96	103	104
I-3 0-1	K0505432-009	99	101	89
L-I-3 6-7	K0505432-011	97	101	102
BH-3 10-11	K0505432-012	96	99	101
I-4 0-1	K0505432-013	100	101	99
I-4 5.5-6.5	K0505432-014	94	105	103
BH-4 9.5-10.5	K0505432-015	94	108	103
PH-4 0-1	K0505432-016	95	106	98
I-5 10.5-11.5	K0505432-018	93	109	108
BH-6 0-1	K0505432-019	95	104	105
BH-6 7-8	K0505432-020	94	108	107
I-6 14.5-15.5	K0505432-021	90	115	110
I-7 0-1	K0505432-022	94	111	110
BH-7 5-6	K0505432-023	96	106	102
I-7 10-11	K0505432-024	93	109	104
I-8 0-1	K0505432-025	96	107	97
BH-8 7.5-8.5	K0505432-026	98	104	104
PH-8 14-15	K0505432-027	95	109	107
I-5 6-7	K0505432-029	97	106	101
Method Blank	KWG0519421-5	97	109	108
Method Blank	KWG0519497-5	98	105	105
Method Blank	KWG0519566-5	95	109	104
I-3 10-11MS	KWG0519421-1	95	104	109
BH-3 10-11DMS	KWG0519421-2	95	105	107
PH-8 7.5-8.5MS	KWG0519497-1	93	106	106
I-8 7.5-8.5DMS	KWG0519497-2	95	104	104
Lab Control Sample	KWG0519421-3	92	99	103
Duplicate Lab Control Sample	KWG0519421-4	99	99	101
Lab Control Sample	KWG0519497-3	100	98	108

#### Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	70-119
Sur2 = Toluene-d8	72-121
Sur3 = 4-Bromofluorobenzene	66-122

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432

Surrogate Recovery Summary  
Volatile Organic Compounds

Extraction Method: EPA 5030A  
Analysis Method: 8260B

Units: PERCENT  
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>
Duplicate Lab Control Sample	KWG0519497-4	95	100	101
Lab Control Sample	KWG0519566-3	96	102	106
Duplicate Lab Control Sample	KWG0519566-4	95	104	105

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Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	70-119
Sur2 = Toluene-d8	72-121
Sur3 = 4-Bromofluorobenzene	66-122

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Results flagged with an asterisk (\*) indicate values outside control criteria.  
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Extracted: 11/14/2005  
 Date Analyzed: 11/14/2005

Matrix Spike/Duplicate Matrix Spike Summary  
 Volatile Organic Compounds

Sample Name: Batch QC  
 Lab Code: K0505434-012  
 Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low  
 Extraction Lot: KWG0519654

Analyte Name	Sample Result	Batch QCMS KWG0519654-1 Matrix Spike			Batch QCMS KWG0519654-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,1-Dichloroethene	ND	12.1	10.0	121	11.9	10.0	119	76-143	2	30
Benzene	ND	10.9	10.0	109	11.1	10.0	111	75-130	1	30
Trichloroethene (TCE)	ND	10.6	10.0	106	10.7	10.0	107	69-132	1	30
Toluene	0.51	11.4	10.0	109	11.4	10.0	109	72-132	0	30
Chlorobenzene	ND	8.36	10.0	84	8.59	10.0	86	78-117	3	30
1,2-Dichlorobenzene	ND	7.75	10.0	78	8.12	10.0	81	77-117	5	30
1,4-naphthalene	ND	7.18	10.0	72	8.85	10.0	89	56-155	21	30

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/08/2005  
 Date Analyzed: 11/08/2005

Matrix Spike/Duplicate Matrix Spike Summary  
 Volatile Organic Compounds

Sample Name: BH-3 10-11  
 Lab Code: K0505432-012  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519421

Analyte Name	Sample Result	BH-3 10-11MS KWG0519421-1 Matrix Spike			BH-3 10-11DMS KWG0519421-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,1-Dichloroethene	ND	33.8	52.2	65	49.4	66.9	74	35-127	37	40
Benzene	ND	34.8	52.2	67	51.5	66.9	77	26-125	39	40
Trichloroethene (TCE)	ND	34.9	52.2	67	49.9	66.9	75	18-130	35	40
Toluene	ND	34.5	52.2	66	52.3	66.9	78	19-124	41 *	40
Chlorobenzene	ND	32.6	52.2	62	49.1	66.9	73	13-115	40	40
1,2-Dichlorobenzene	ND	28.6	52.2	55	45.5	66.9	68	10-119	46 *	40
Naphthalene	ND	27.2	52.2	52	43.4	66.9	65	10-127	46 *	40

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/09/2005  
 Date Analyzed: 11/09/2005

Matrix Spike/Duplicate Matrix Spike Summary  
 Volatile Organic Compounds

Sample Name: BH-8 7.5-8.5  
 Lab Code: K0505432-026  
 Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519497

Analyte Name	Sample Result	BH-8 7.5-8.5MS KWG0519497-1 Matrix Spike			BH-8 7.5-8.5DMS KWG0519497-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,1-Dichloroethene	ND	52.7	62.7	84	51.9	58.4	89	35-127	2	40
Benzene	ND	55.2	62.7	88	51.5	58.4	88	26-125	7	40
Trichloroethene (TCE)	ND	55.4	62.7	88	51.5	58.4	88	18-130	7	40
Toluene	ND	57.3	62.7	91	52.2	58.4	89	19-124	9	40
Chlorobenzene	ND	51.0	62.7	81	47.2	58.4	81	13-115	8	40
1,2-Dichlorobenzene	ND	48.6	62.7	78	44.4	58.4	76	10-119	9	40
Phthalene	ND	46.8	62.7	75	39.6	58.4	68	10-127	17	40

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Extracted: 11/14/2005  
 Date Analyzed: 11/14/2005

Lab Control Spike Summary  
 Volatile Organic Compounds

Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low  
 Extraction Lot: KWG0519654

Analyte Name	Lab Control Sample KWG0519654-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
Dichlorodifluoromethane	12.1	10.0	121	45-171
Chloromethane	11.9	10.0	119	53-135
Vinyl Chloride	10.9	10.0	109	67-130
Bromomethane	8.44	10.0	84	36-158
Chloroethane	9.70	10.0	97	62-125
Trichlorofluoromethane	11.0	10.0	110	66-126
Acetone	55.4	50.0	111	70-127
1,1-Dichloroethene	10.9	10.0	109	76-129
Carbon Disulfide	22.2	20.0	111	62-138
Methylene Chloride	10.0	10.0	100	65-127
trans-1,2-Dichloroethene	10.6	10.0	106	81-121
1,1-Dichloroethane	11.1	10.0	111	76-117
2-Butanone (MEK)	51.0	50.0	102	69-132
2,2-Dichloropropane	11.0	10.0	110	63-142
cis-1,2-Dichloroethene	10.4	10.0	104	83-118
Chloroform	10.7	10.0	107	76-121
Bromochloromethane	9.54	10.0	95	80-125
1,1,1-Trichloroethane (TCA)	11.4	10.0	114	72-132
1,1-Dichloropropene	10.5	10.0	105	72-118
Carbon Tetrachloride	11.2	10.0	112	66-146
1,2-Dichloroethane (EDC)	10.7	10.0	107	74-121
Benzene	10.5	10.0	105	78-121
Trichloroethene (TCE)	10.1	10.0	101	79-119
1,2-Dichloropropane	10.3	10.0	103	76-116
Bromodichloromethane	10.9	10.0	109	74-130
Dibromomethane	9.22	10.0	92	76-123
2-Hexanone	42.2	50.0	84	67-127
cis-1,3-Dichloropropene	10.2	10.0	102	79-123
Toluene	10.4	10.0	104	76-122
trans-1,3-Dichloropropene	8.09	10.0	81	70-117
1,1,2-Trichloroethane	8.59	10.0	86	76-120
4-Methyl-2-pentanone (MIBK)	47.4	50.0	95	70-128
1,3-Dichloropropane	8.22	10.0	82	77-121
Tetrachloroethene (PCE)	9.13	10.0	91	72-124
Dibromochloromethane	8.45	10.0	85	72-133

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Extracted: 11/14/2005  
 Date Analyzed: 11/14/2005

Lab Control Spike Summary  
 Volatile Organic Compounds

Extraction Method: EPA 5030B  
 Analysis Method: 8260B

Units: ug/L  
 Basis: NA  
 Level: Low  
 Extraction Lot: KWG0519654

Analyte Name	Lab Control Sample KWG0519654-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
1,2-Dibromoethane (EDB)	7.78	10.0	78	75-120
Chlorobenzene	8.73	10.0	87	79-113
1,1,2-Tetrachloroethane	8.96	10.0	90	72-133
Ethylbenzene	9.19	10.0	92	84-122
m,p-Xylenes	18.5	20.0	92	83-125
o-Xylene	9.19	10.0	92	83-122
Styrene	9.47	10.0	95	83-127
Bromoform	7.63	10.0	76	63-149
Isopropylbenzene	8.66	10.0	87	72-114
1,1,2,2-Tetrachloroethane	8.31	10.0	83	70-122
1,2,3-Trichloropropane	8.47	10.0	85	73-125
Bromobenzene	8.79	10.0	88	80-121
Propylbenzene	9.93	10.0	99	78-124
2-Chlorotoluene	9.81	10.0	98	82-126
4-Chlorotoluene	9.63	10.0	96	80-122
1,3,5-Trimethylbenzene	10.4	10.0	104	78-132
tert-Butylbenzene	10.1	10.0	101	76-126
1,2,4-Trimethylbenzene	10.3	10.0	103	74-138
n-Butylbenzene	10.6	10.0	106	72-133
1,2-Dichlorobenzene	9.08	10.0	91	81-116
4-Isopropyltoluene	9.52	10.0	95	62-132
1,4-Dichlorobenzene	9.16	10.0	92	80-113
n-Butylbenzene	9.69	10.0	97	51-138
1,2-Dichlorobenzene	8.27	10.0	83	81-113
1,2-Dibromo-3-chloropropane	7.27	10.0	73	63-124
1,2,4-Trichlorobenzene	8.12	10.0	81	61-135
1,2,3-Trichlorobenzene	7.67	10.0	77	66-131
Naphthalene	8.45	10.0	85	53-157
1,2-Dichlorobutadiene	8.35	10.0	84	66-132

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/08/2005  
 Date Analyzed: 11/08/2005

**Lab Control Spike/Duplicate Lab Control Spike Summary  
 Volatile Organic Compounds**

Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519421

Analyte Name	Lab Control Sample KWG0519421-3 Lab Control Spike			Duplicate Lab Control Sample KWG0519421-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Dichlorodifluoromethane	38.0	50.0	76	37.0	50.0	74	30-187	3	40
Chloromethane	45.5	50.0	91	43.1	50.0	86	46-152	5	40
Vinyl Chloride	45.8	50.0	92	44.6	50.0	89	46-147	3	40
Bromomethane	48.4	50.0	97	47.0	50.0	94	30-157	3	40
Chloroethane	45.2	50.0	90	44.2	50.0	88	38-156	2	40
Trichlorofluoromethane	41.7	50.0	83	45.7	50.0	91	49-144	9	40
Acetone	209	250	84	227	250	91	49-128	8	40
1,1-Dichloroethene	39.7	50.0	79	44.5	50.0	89	70-132	12	40
Carbon Disulfide	99.8	100	100	106	100	106	63-129	6	40
Methylene Chloride	37.7	50.0	75	38.2	50.0	76	60-126	1	40
trans-1,2-Dichloroethene	38.6	50.0	77	41.8	50.0	84	68-128	8	40
1,1-Dichloroethane	41.2	50.0	82	45.1	50.0	90	66-124	9	40
2-Butanone (MEK)	229	250	92	241	250	96	53-141	5	40
2,2-Dichloropropane	45.6	50.0	91	48.3	50.0	97	62-135	6	40
cis-1,2-Dichloroethene	40.0	50.0	80	42.7	50.0	85	67-126	7	40
Chloroform	40.8	50.0	82	44.3	50.0	89	67-126	8	40
Bromochloromethane	43.4	50.0	87	46.3	50.0	93	68-129	6	40
1,1,1-Trichloroethane (TCA)	44.9	50.0	90	47.6	50.0	95	64-129	6	40
1,1-Dichloropropene	42.1	50.0	84	44.6	50.0	89	61-128	6	40
Carbon Tetrachloride	44.0	50.0	88	46.4	50.0	93	62-131	5	40
1,2-Dichloroethane (EDC)	43.4	50.0	87	45.9	50.0	92	62-130	6	40
Benzene	44.2	50.0	88	44.9	50.0	90	68-126	1	40
Trichloroethene (TCE)	44.0	50.0	88	45.4	50.0	91	67-130	3	40
1,2-Dichloropropane	44.7	50.0	89	46.2	50.0	92	67-124	3	40
Bromodichloromethane	45.5	50.0	91	47.7	50.0	95	66-127	5	40
Dibromomethane	41.0	50.0	82	42.9	50.0	86	67-127	5	40
2-Hexanone	238	250	95	241	250	96	46-146	1	40
cis-1,3-Dichloropropene	44.8	50.0	90	46.6	50.0	93	66-132	4	40
Toluene	43.6	50.0	87	42.7	50.0	85	68-127	2	40
trans-1,3-Dichloropropene	41.6	50.0	83	43.4	50.0	87	56-121	4	40
1,1,2-Trichloroethane	43.1	50.0	86	45.7	50.0	91	64-120	6	40
4-Methyl-2-pentanone (MIBK)	237	250	95	239	250	96	53-149	1	40
1,3-Dichloropropane	43.5	50.0	87	45.2	50.0	90	63-123	4	40
Tetrachloroethene (PCE)	45.8	50.0	92	45.4	50.0	91	63-129	1	40
Dibromochloromethane	43.5	50.0	87	45.0	50.0	90	64-122	3	40

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/08/2005  
 Date Analyzed: 11/08/2005

Lab Control Spike/Duplicate Lab Control Spike Summary  
 Volatile Organic Compounds

Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519421

Analyte Name	Lab Control Sample KWG0519421-3 Lab Control Spike			Duplicate Lab Control Sample KWG0519421-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
1,2-Dibromoethane (EDB)	43.5	50.0	87	44.1	50.0	88	63-122	1	40
Chlorobenzene	43.2	50.0	86	42.5	50.0	85	68-119	2	40
1,1,2-Tetrachloroethane	42.3	50.0	85	42.9	50.0	86	64-120	1	40
Ethylbenzene	44.7	50.0	89	44.3	50.0	89	65-128	1	40
p-Xylenes	88.7	100	89	86.3	100	86	64-131	3	40
m-Xylene	43.3	50.0	87	42.7	50.0	85	65-127	1	40
Styrene	44.1	50.0	88	42.7	50.0	85	65-129	3	40
Bromoform	45.7	50.0	91	45.9	50.0	92	64-126	0	40
Isopropylbenzene	38.8	50.0	78	37.9	50.0	76	55-120	2	40
1,1,2,2-Tetrachloroethane	40.3	50.0	81	41.1	50.0	82	56-119	2	40
1,2,3-Trichloropropane	39.2	50.0	78	40.3	50.0	81	58-124	3	40
o-Chlorobenzene	43.9	50.0	88	43.8	50.0	88	62-124	0	40
Propylbenzene	41.3	50.0	83	41.1	50.0	82	58-131	0	40
2-Chlorotoluene	40.3	50.0	81	40.2	50.0	80	60-129	0	40
p-Chlorotoluene	40.4	50.0	81	40.1	50.0	80	58-127	1	40
1,5-Trimethylbenzene	40.9	50.0	82	40.6	50.0	81	59-131	1	40
tert-Butylbenzene	40.4	50.0	81	40.2	50.0	80	58-128	0	40
1,2,4-Trimethylbenzene	40.9	50.0	82	40.6	50.0	81	63-131	1	40
o-Butylbenzene	42.8	50.0	86	42.6	50.0	85	60-134	0	40
1,3-Dichlorobenzene	43.2	50.0	86	44.3	50.0	89	64-123	3	40
4-Isopropyltoluene	40.4	50.0	81	41.7	50.0	83	57-129	3	40
1-Dichlorobenzene	43.3	50.0	87	43.0	50.0	86	65-124	1	40
Butylbenzene	41.8	50.0	84	41.1	50.0	82	56-140	2	40
1,2-Dichlorobenzene	41.5	50.0	83	41.3	50.0	83	64-119	0	40
1,2-Dibromo-3-chloropropane	41.7	50.0	83	41.7	50.0	83	58-126	0	40
1,4-Trichlorobenzene	48.1	50.0	96	46.3	50.0	93	61-139	4	40
1,2,3-Trichlorobenzene	47.1	50.0	94	44.8	50.0	90	64-132	5	40
Naphthalene	44.0	50.0	88	43.1	50.0	86	58-138	2	40
1,2-Dichlorobutadiene	45.9	50.0	92	44.5	50.0	89	56-137	3	40

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/09/2005  
 Date Analyzed: 11/09/2005

**Lab Control Spike/Duplicate Lab Control Spike Summary**  
**Volatile Organic Compounds**

Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519497

Analyte Name	Lab Control Sample KWG0519497-3 Lab Control Spike			Duplicate Lab Control Sample KWG0519497-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Dichlorodifluoromethane	57.4	50.0	115	61.1	50.0	122	30-187	6	40
Chloromethane	51.2	50.0	102	56.0	50.0	112	46-152	9	40
Vinyl Chloride	51.1	50.0	102	56.0	50.0	112	46-147	9	40
Bromomethane	51.7	50.0	103	56.9	50.0	114	30-157	10	40
Chloroethane	48.8	50.0	98	52.1	50.0	104	38-156	7	40
Trichlorofluoromethane	51.6	50.0	103	51.9	50.0	104	49-144	1	40
Acetone	245	250	98	242	250	97	49-128	1	40
1,1-Dichloroethene	49.9	50.0	100	48.0	50.0	96	70-132	4	40
Carbon Disulfide	112	100	112	117	100	117	63-129	5	40
Methylene Chloride	40.1	50.0	80	41.9	50.0	84	60-126	4	40
trans-1,2-Dichloroethene	47.8	50.0	96	45.4	50.0	91	68-128	5	40
1,1-Dichloroethane	49.4	50.0	99	47.9	50.0	96	66-124	3	40
2-Butanone (MEK)	276	250	110	265	250	106	53-141	4	40
2,2-Dichloropropane	52.1	50.0	104	52.0	50.0	104	62-135	0	40
cis-1,2-Dichloroethene	47.7	50.0	95	45.4	50.0	91	67-126	5	40
Chloroform	48.3	50.0	97	46.7	50.0	93	67-126	3	40
Bromochloromethane	50.0	50.0	100	48.9	50.0	98	68-129	2	40
1,1,1-Trichloroethane (TCA)	51.7	50.0	103	51.6	50.0	103	64-129	0	40
1,1-Dichloropropene	47.8	50.0	96	47.6	50.0	95	61-128	0	40
Carbon Tetrachloride	50.5	50.0	101	50.0	50.0	100	62-131	1	40
1,2-Dichloroethane (EDC)	50.8	50.0	102	48.6	50.0	97	62-130	5	40
Benzene	47.6	50.0	95	49.1	50.0	98	68-126	3	40
Trichloroethene (TCE)	48.2	50.0	96	48.5	50.0	97	67-130	1	40
1,2-Dichloropropane	50.7	50.0	101	49.9	50.0	100	67-124	2	40
Bromodichloromethane	52.3	50.0	105	52.2	50.0	104	66-127	0	40
Dibromomethane	47.5	50.0	95	46.3	50.0	93	67-127	2	40
2-Hexanone	267	250	107	262	250	105	46-146	2	40
cis-1,3-Dichloropropene	50.9	50.0	102	50.5	50.0	101	66-132	1	40
Toluene	45.5	50.0	91	47.5	50.0	95	68-127	4	40
trans-1,3-Dichloropropene	48.0	50.0	96	46.6	50.0	93	56-121	3	40
1,1,2-Trichloroethane	51.0	50.0	102	48.1	50.0	96	64-120	6	40
4-Methyl-2-pentanone (MIBK)	262	250	105	264	250	106	53-149	1	40
1,3-Dichloropropane	50.4	50.0	101	48.2	50.0	96	63-123	4	40
Tetrachloroethene (PCE)	48.4	50.0	97	49.3	50.0	99	63-129	2	40
Dibromochloromethane	49.8	50.0	100	47.9	50.0	96	64-122	4	40

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/09/2005  
 Date Analyzed: 11/09/2005

Lab Control Spike/Duplicate Lab Control Spike Summary  
 Volatile Organic Compounds

Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519497

Analyte Name	Lab Control Sample KWG0519497-3 Lab Control Spike			Duplicate Lab Control Sample KWG0519497-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
1,2-Dibromoethane (EDB)	48.8	50.0	98	47.7	50.0	95	63-122	2	40
Chlorobenzene	46.8	50.0	94	46.6	50.0	93	68-119	0	40
1,1,2-Tetrachloroethane	47.7	50.0	95	46.6	50.0	93	64-120	2	40
Ethylbenzene	49.5	50.0	99	48.5	50.0	97	65-128	2	40
p-Xylenes	99.6	100	100	95.2	100	95	64-131	5	40
m-Xylene	49.5	50.0	99	46.7	50.0	93	65-127	6	40
Styrene	50.1	50.0	100	47.4	50.0	95	65-129	6	40
Bromoform	51.0	50.0	102	50.1	50.0	100	64-126	2	40
Isopropylbenzene	43.2	50.0	86	41.7	50.0	83	55-120	4	40
1,1,2,2-Tetrachloroethane	42.8	50.0	86	45.6	50.0	91	56-119	6	40
1,2,3-Trichloropropane	40.4	50.0	81	43.6	50.0	87	58-124	8	40
Chlorobenzene	45.2	50.0	90	47.3	50.0	95	62-124	5	40
Propylbenzene	43.9	50.0	88	45.0	50.0	90	58-131	2	40
2-Chlorotoluene	43.2	50.0	86	44.1	50.0	88	60-129	2	40
4-Chlorotoluene	43.5	50.0	87	44.2	50.0	88	58-127	2	40
3,5-Trimethylbenzene	44.2	50.0	88	44.7	50.0	89	59-131	1	40
tert-Butylbenzene	43.0	50.0	86	44.1	50.0	88	58-128	2	40
1,2,4-Trimethylbenzene	44.7	50.0	89	44.3	50.0	89	63-131	1	40
n-Butylbenzene	45.9	50.0	92	46.9	50.0	94	60-134	2	40
1,3-Dichlorobenzene	46.0	50.0	92	47.6	50.0	95	64-123	3	40
4-Isopropyltoluene	43.5	50.0	87	43.7	50.0	87	57-129	1	40
1,4-Dichlorobenzene	46.6	50.0	93	46.4	50.0	93	65-124	0	40
Butylbenzene	46.5	50.0	93	45.1	50.0	90	56-140	3	40
1,2-Dichlorobenzene	45.7	50.0	91	44.6	50.0	89	64-119	2	40
1,2-Dibromo-3-chloropropane	46.4	50.0	93	44.3	50.0	89	58-126	5	40
2,4-Trichlorobenzene	54.6	50.0	109	49.6	50.0	99	61-139	10	40
1,2,3-Trichlorobenzene	52.4	50.0	105	47.7	50.0	95	64-132	9	40
Naphthalene	49.9	50.0	100	45.9	50.0	92	58-138	8	40
1,2-Dichlorobutadiene	53.3	50.0	107	48.1	50.0	96	56-137	10	40

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/10/2005  
 Date Analyzed: 11/10/2005

**Lab Control Spike/Duplicate Lab Control Spike Summary  
 Volatile Organic Compounds**

Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519566

Analyte Name	Lab Control Sample KWG0519566-3 Lab Control Spike			Duplicate Lab Control Sample KWG0519566-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Dichlorodifluoromethane	60.7	50.0	121	63.5	50.0	127	30-187	5	40
Chloromethane	57.3	50.0	115	58.6	50.0	117	46-152	2	40
Vinyl Chloride	55.7	50.0	111	58.3	50.0	117	46-147	5	40
Bromomethane	56.4	50.0	113	58.2	50.0	116	30-157	3	40
Chloroethane	52.3	50.0	105	54.5	50.0	109	38-156	4	40
Trichlorofluoromethane	49.4	50.0	99	53.1	50.0	106	49-144	7	40
Acetone	239	250	96	247	250	99	49-128	3	40
1,1-Dichloroethene	48.9	50.0	98	50.5	50.0	101	70-132	3	40
Carbon Disulfide	119	100	119	124	100	124	63-129	4	40
Methylene Chloride	43.9	50.0	88	44.7	50.0	89	60-126	2	40
trans-1,2-Dichloroethene	46.2	50.0	92	47.5	50.0	95	68-128	3	40
1,1-Dichloroethane	48.5	50.0	97	49.5	50.0	99	66-124	2	40
2-Butanone (MEK)	268	250	107	276	250	111	53-141	3	40
2,2-Dichloropropane	51.5	50.0	103	53.5	50.0	107	62-135	4	40
cis-1,2-Dichloroethene	46.8	50.0	94	48.2	50.0	96	67-126	3	40
Chloroform	46.9	50.0	94	48.6	50.0	97	67-126	3	40
Bromochloromethane	50.0	50.0	100	50.2	50.0	100	68-129	0	40
1,1,1-Trichloroethane (TCA)	51.7	50.0	103	54.0	50.0	108	64-129	4	40
1,1-Dichloropropene	47.6	50.0	95	50.1	50.0	100	61-128	5	40
Carbon Tetrachloride	49.5	50.0	99	52.4	50.0	105	62-131	6	40
1,2-Dichloroethane (EDC)	49.1	50.0	98	50.2	50.0	100	62-130	2	40
Benzene	50.0	50.0	100	51.7	50.0	103	68-126	3	40
Trichloroethene (TCE)	49.7	50.0	99	51.1	50.0	102	67-130	3	40
1,2-Dichloropropane	51.6	50.0	103	52.8	50.0	106	67-124	2	40
Bromodichloromethane	52.4	50.0	105	53.8	50.0	108	66-127	3	40
Dibromomethane	46.8	50.0	94	48.6	50.0	97	67-127	4	40
2-Hexanone	253	250	101	261	250	104	46-146	3	40
cis-1,3-Dichloropropene	51.3	50.0	103	52.8	50.0	106	66-132	3	40
Toluene	49.2	50.0	98	50.7	50.0	101	68-127	3	40
trans-1,3-Dichloropropene	44.8	50.0	90	45.5	50.0	91	56-121	2	40
1,1,2-Trichloroethane	48.1	50.0	96	49.5	50.0	99	64-120	3	40
4-Methyl-2-pentanone (MIBK)	264	250	106	274	250	109	53-149	4	40
1,3-Dichloropropane	47.7	50.0	95	48.5	50.0	97	63-123	2	40
Tetrachloroethene (PCE)	45.5	50.0	91	47.3	50.0	95	63-129	4	40
Dibromochloromethane	46.1	50.0	92	47.4	50.0	95	64-122	3	40

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/10/2005  
 Date Analyzed: 11/10/2005

Lab Control Spike/Duplicate Lab Control Spike Summary  
 Volatile Organic Compounds

Extraction Method: EPA 5030A  
 Analysis Method: 8260B

Units: ug/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519566

Analyte Name	Lab Control Sample KWG0519566-3 Lab Control Spike			Duplicate Lab Control Sample KWG0519566-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
1,2-Dibromoethane (EDB)	46.5	50.0	93	47.1	50.0	94	63-122	1	40
Chlorobenzene	46.8	50.0	94	47.1	50.0	94	68-119	1	40
1,1,2-Tetrachloroethane	44.2	50.0	88	45.8	50.0	92	64-120	3	40
Ethylbenzene	49.5	50.0	99	49.9	50.0	100	65-128	1	40
p-Xylenes	100	100	100	100	100	100	64-131	0	40
m-Xylene	49.4	50.0	99	49.5	50.0	99	65-127	0	40
Styrene	49.9	50.0	100	49.9	50.0	100	65-129	0	40
Bromoform	47.8	50.0	96	49.2	50.0	98	64-126	3	40
Isopropylbenzene	42.9	50.0	86	43.0	50.0	86	55-120	0	40
1,1,2,2-Tetrachloroethane	43.1	50.0	86	45.3	50.0	91	56-119	5	40
1,2,3-Trichloropropane	40.9	50.0	82	43.2	50.0	86	58-124	5	40
Chlorobenzene	44.5	50.0	89	46.2	50.0	92	62-124	4	40
Propylbenzene	44.3	50.0	89	45.6	50.0	91	58-131	3	40
2-Chlorotoluene	43.6	50.0	87	44.6	50.0	89	60-129	2	40
4-Chlorotoluene	44.1	50.0	88	44.6	50.0	89	58-127	1	40
1,3,5-Trimethylbenzene	44.1	50.0	88	45.1	50.0	90	59-131	2	40
tert-Butylbenzene	43.4	50.0	87	44.9	50.0	90	58-128	3	40
1,2,4-Trimethylbenzene	44.5	50.0	89	45.0	50.0	90	63-131	1	40
n-Butylbenzene	46.4	50.0	93	47.4	50.0	95	60-134	2	40
1,3-Dichlorobenzene	46.4	50.0	93	47.9	50.0	96	64-123	3	40
4-Isopropyltoluene	44.0	50.0	88	46.2	50.0	92	57-129	5	40
1,4-Dichlorobenzene	46.1	50.0	92	46.7	50.0	93	65-124	1	40
Butylbenzene	46.5	50.0	93	45.9	50.0	92	56-140	1	40
1,2-Dichlorobenzene	45.4	50.0	91	45.4	50.0	91	64-119	0	40
1,2-Dibromo-3-chloropropane	47.8	50.0	96	47.1	50.0	94	58-126	1	40
1,2,4-Trichlorobenzene	52.7	50.0	105	48.3	50.0	97	61-139	9	40
1,2,3-Trichlorobenzene	50.9	50.0	102	45.9	50.0	92	64-132	10	40
Naphthalene	50.0	50.0	100	46.3	50.0	93	58-138	8	40
1,2-Dichlorobutadiene	52.2	50.0	104	49.3	50.0	99	56-137	6	40

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**Semi-Volatile Organic Compounds  
EPA Method 8270C**



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-2  
 Lab Code: K0505432-031  
 Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Aniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroethyl) Ether	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Phenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
1-Chlorophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
1,3-Dichlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
1,4-Dichlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
1,2-Dichlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Benzyl alcohol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroisopropyl) Ether	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Methylphenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Hexachloroethane	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
N-Nitrosodi-n-propylamine	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Methylphenol†	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
trobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Isophorone	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Nitrophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
1-Dimethylphenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroethoxy)methane	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
1-Dichlorophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
benzoic acid	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
1,2,4-Trichlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
naphthalene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Chloroaniline	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Hexachlorobutadiene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Chloro-3-methylphenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Methylnaphthalene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Hexachlorocyclopentadiene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2,4,6-Trichlorophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
1,5-Trichlorophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2-Chloronaphthalene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2-Nitroaniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
benaphthylene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-2  
 Lab Code: K0505432-031  
 Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2,6-Dinitrotoluene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Acenaphthene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
3-Nitroaniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
2,4-Dinitrophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Dibenzofuran	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Nitrophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
2,4-Dinitrotoluene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Fluorene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Chlorophenyl Phenyl Ether	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Diethyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Nitroaniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
2-Methyl-4,6-dinitrophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
N-Nitrosodiphenylamine	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Bromophenyl Phenyl Ether	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Hexachlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Pentachlorophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Phenanthrene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Anthracene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Di-n-butyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Fluoranthene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Pyrene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Butyl Benzyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
3,3'-Dichlorobenzidine	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Benz(a)anthracene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Chrysene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Bis(2-ethylhexyl) Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Di-n-octyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Benzo(b)fluoranthene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Benzo(k)fluoranthene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Benzo(a)pyrene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Indeno(1,2,3-cd)pyrene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Dibenz(a,h)anthracene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-2  
Lab Code: K0505432-031  
Extraction Method: EPA 3520C  
Analysis Method: 8270C

Units: ug/L  
Basis: NA  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1 nzo(g,h,i)perylene	ND U	9.5	1	11/07/05	11/15/05	KWG0519265	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2 Fluorophenol	74	45-97	11/15/05	Acceptable
1 enol-d6	80	45-108	11/15/05	Acceptable
Nitrobenzene-d5	94	47-112	11/15/05	Acceptable
2 Fluorobiphenyl	77	48-103	11/15/05	Acceptable
2 ,6-Tribromophenol	70	56-116	11/15/05	Acceptable
Terphenyl-d14	41	33-158	11/15/05	Acceptable

## Analyte Comments

4 ethylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-3  
 Lab Code: K0505432-032  
 Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Aniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroethyl) Ether	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Phenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2-Chlorophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
1,3-Dichlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
1,4-Dichlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
1,2-Dichlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Benzyl alcohol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroisopropyl) Ether	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2-Methylphenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Hexachloroethane	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
N-Nitrosodi-n-propylamine	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Methylphenol†	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Nitrobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Isophorone	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2-Nitrophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2,4-Dimethylphenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroethoxy)methane	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2,4-Dichlorophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Benzoic acid	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
1,2,4-Trichlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Naphthalene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Chloroaniline	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Hexachlorobutadiene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Chloro-3-methylphenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2-Methylnaphthalene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Hexachlorocyclopentadiene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2,4,6-Trichlorophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2,4,5-Trichlorophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2-Chloronaphthalene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2-Nitroaniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Acenaphthylene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-3  
 Lab Code: K0505432-032  
 Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1-methyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2,5-Dinitrotoluene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Acenaphthene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Nitroaniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
4-Dinitrophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Dibenzofuran	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Nitrophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
4-Dinitrotoluene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Fluorene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Chlorophenyl Phenyl Ether	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
1-methyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Nitroaniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
2-Methyl-4,6-dinitrophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Nitrosodiphenylamine	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
3-Bromophenyl Phenyl Ether	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Hexachlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2,4-Dichlorophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Acenanthrene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Anthracene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-n-butyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Fluoranthene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Pyrene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-ethyl Benzyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
3,3'-Dichlorobenzidine	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Benz(a)anthracene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Chrysene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Diethylhexyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Di-n-octyl Phthalate	ND	U	48	5	11/07/05	11/15/05	KWG0519265	
Benzo(b)fluoranthene	ND	U	48	5	11/07/05	11/15/05	KWG0519265	
Benzo(k)fluoranthene	ND	U	48	5	11/07/05	11/15/05	KWG0519265	
Benzo(a)pyrene	ND	U	48	5	11/07/05	11/15/05	KWG0519265	
Indeno(1,2,3-cd)pyrene	ND	U	48	5	11/07/05	11/15/05	KWG0519265	
Dibenz(a,h)anthracene	ND	U	48	5	11/07/05	11/15/05	KWG0519265	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-3  
Lab Code: K0505432-032  
Extraction Method: EPA 3520C  
Analysis Method: 8270C

Units: ug/L  
Basis: NA  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	48	5	11/07/05	11/15/05	KWG0519265	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	58	45-97	11/15/05	Acceptable
Phenol-d6	64	45-108	11/15/05	Acceptable
Nitrobenzene-d5	79	47-112	11/15/05	Acceptable
2-Fluorobiphenyl	78	48-103	11/15/05	Acceptable
2,4,6-Tribromophenol	63	56-116	11/15/05	Acceptable
Terphenyl-d14	48	33-158	11/15/05	Acceptable

## † Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-4  
 Lab Code: K0505432-033  
 Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Nitrosodimethylamine	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Aniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroethyl) Ether	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Phenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Chlorophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
1,3-Dichlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
1,4-Dichlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2-Dichlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Benzyl alcohol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroisopropyl) Ether	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Methylphenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Hexachloroethane	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
N-Nitrosodi-n-propylamine	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Methylphenol†	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
p-Trobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Isophorone	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Nitrophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2,4-Dimethylphenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroethoxy)methane	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Dichlorophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Benzoic acid	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
1,2,4-Trichlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Naphthalene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Chloroaniline	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Hexachlorobutadiene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Chloro-3-methylphenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Methylnaphthalene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Hexachlorocyclopentadiene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4,6-Trichlorophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4,5-Trichlorophenol	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2-Chloronaphthalene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Nitroaniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Benaphthylene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-4  
 Lab Code: K0505432-033  
 Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
2,6-Dinitrotoluene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Acenaphthene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
3-Nitroaniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
2,4-Dinitrophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Dibenzofuran	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Nitrophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
2,4-Dinitrotoluene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Fluorene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Chlorophenyl Phenyl Ether	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Diethyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Nitroaniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
2-Methyl-4,6-dinitrophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
N-Nitrosodiphenylamine	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
4-Bromophenyl Phenyl Ether	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Hexachlorobenzene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Pentachlorophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Phenanthrene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Anthracene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Di-n-butyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Fluoranthene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Pyrene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Butyl Benzyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
3,3'-Dichlorobenzidine	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Benz(a)anthracene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Chrysene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Bis(2-ethylhexyl) Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Di-n-octyl Phthalate	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Benzo(b)fluoranthene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Benzo(k)fluoranthene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Benzo(a)pyrene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Indeno(1,2,3-cd)pyrene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	
Dibenz(a,h)anthracene	ND	U	9.5	1	11/07/05	11/15/05	KWG0519265	

Comments:



## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-4  
 Lab Code: K0505432-033  
 Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
nzo(g,h,i)perylene	ND U	9.5	1	11/07/05	11/15/05	KWG0519265	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorophenol	63	45-97	11/15/05	Acceptable
enol-d6	73	45-108	11/15/05	Acceptable
Nitrobenzene-d5	78	47-112	11/15/05	Acceptable
Fluorobiphenyl	68	48-103	11/15/05	Acceptable
1,6-Tribromophenol	72	56-116	11/15/05	Acceptable
Terphenyl-d14	35	33-158	11/15/05	Acceptable

## Analyte Comments

1-ethylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-6  
 Lab Code: K0505432-034  
 Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Aniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroethyl) Ether	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Phenol	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
2-Chlorophenol	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
1,3-Dichlorobenzene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
1,4-Dichlorobenzene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
1,2-Dichlorobenzene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Benzyl alcohol	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroisopropyl) Ether	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
2-Methylphenol	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Hexachloroethane	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
N-Nitrosodi-n-propylamine	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
4-Methylphenol†	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Nitrobenzene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Isophorone	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
2-Nitrophenol	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
2,4-Dimethylphenol	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroethoxy)methane	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
2,4-Dichlorophenol	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Benzoic acid	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
1,2,4-Trichlorobenzene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Naphthalene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
4-Chloroaniline	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Hexachlorobutadiene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
4-Chloro-3-methylphenol	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
2-Methylnaphthalene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Hexachlorocyclopentadiene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
2,4,6-Trichlorophenol	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
2,4,5-Trichlorophenol	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
2-Chloronaphthalene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
2-Nitroaniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Acenaphthylene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-6  
 Lab Code: K0505432-034  
 Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1-Methyl Phthalate	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
3,5-Dinitrotoluene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Acenaphthene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
2-Nitroaniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
4-Dinitrophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
2-Benzofuran	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
4-Nitrophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
4-Dinitrotoluene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Fluorene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
4-Chlorophenyl Phenyl Ether	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
ethyl Phthalate	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Nitroaniline	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
2-Methyl-4,6-dinitrophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Nitrosodiphenylamine	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Bromophenyl Phenyl Ether	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Hexachlorobenzene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
2,4-Dichlorophenol	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Benanthrene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Anthracene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Di-n-butyl Phthalate	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Fluoranthene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Pyrene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Diethyl Benzyl Phthalate	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
3,3'-Dichlorobenzidine	ND	U	24	1	11/07/05	11/15/05	KWG0519265	
Benz(a)anthracene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Chrysene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Di(2-ethylhexyl) Phthalate	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Di-n-octyl Phthalate	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Benzo(b)fluoranthene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Benzo(k)fluoranthene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Benzo(a)pyrene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Indeno(1,2,3-cd)pyrene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	
Benzo(a,h)anthracene	ND	U	9.6	1	11/07/05	11/15/05	KWG0519265	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-6  
Lab Code: K0505432-034  
Extraction Method: EPA 3520C  
Analysis Method: 8270C

Units: ug/L  
Basis: NA  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	9.6	1	11/07/05	11/15/05	KWG0519265	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	68	45-97	11/15/05	Acceptable
Phenol-d6	77	45-108	11/15/05	Acceptable
Nitrobenzene-d5	85	47-112	11/15/05	Acceptable
2-Fluorobiphenyl	82	48-103	11/15/05	Acceptable
2,4,6-Tribromophenol	73	56-116	11/15/05	Acceptable
Terphenyl-d14	74	33-158	11/15/05	Acceptable

## † Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-7  
 Lab Code: K0505432-035  
 Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Nitrosodimethylamine	ND	U	27	1	11/07/05	11/15/05	KWG0519265	
Aniline	ND	U	27	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroethyl) Ether	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Phenol	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
2-Chlorophenol	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
1,3-Dichlorobenzene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
1,4-Dichlorobenzene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
1,2-Dichlorobenzene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Benzyl alcohol	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroisopropyl) Ether	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
2-Methylphenol	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Hexachloroethane	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
N-Nitrosodi-n-propylamine	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
2-Methylphenol†	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
1-Nitrobenzene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Isophorone	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
4-Nitrophenol	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
2,4-Dimethylphenol	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Bis(2-chloroethoxy)methane	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
1,2-Dichlorophenol	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Benzoic acid	ND	U	27	1	11/07/05	11/15/05	KWG0519265	
1,2,4-Trichlorobenzene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
1-Naphthalene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
2-Chloroaniline	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Hexachlorobutadiene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
2-Chloro-3-methylphenol	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
1-Methylnaphthalene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Hexachlorocyclopentadiene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
1,4,6-Trichlorophenol	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
1,5-Trichlorophenol	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
2-Chloronaphthalene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
2-Nitroaniline	ND	U	27	1	11/07/05	11/15/05	KWG0519265	
1-Naphthylene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-7  
 Lab Code: K0505432-035  
 Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
2,6-Dinitrotoluene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Acenaphthene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
3-Nitroaniline	ND	U	27	1	11/07/05	11/15/05	KWG0519265	
2,4-Dinitrophenol	ND	U	27	1	11/07/05	11/15/05	KWG0519265	
Dibenzofuran	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
4-Nitrophenol	ND	U	27	1	11/07/05	11/15/05	KWG0519265	
2,4-Dinitrotoluene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Fluorene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
4-Chlorophenyl Phenyl Ether	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Diethyl Phthalate	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
4-Nitroaniline	ND	U	27	1	11/07/05	11/15/05	KWG0519265	
2-Methyl-4,6-dinitrophenol	ND	U	27	1	11/07/05	11/15/05	KWG0519265	
N-Nitrosodiphenylamine	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
4-Bromophenyl Phenyl Ether	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Hexachlorobenzene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Pentachlorophenol	ND	U	27	1	11/07/05	11/15/05	KWG0519265	
Phenanthrene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Anthracene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Di-n-butyl Phthalate	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Fluoranthene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Pyrene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Butyl Benzyl Phthalate	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
3,3'-Dichlorobenzidine	ND	U	27	1	11/07/05	11/15/05	KWG0519265	
Benz(a)anthracene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Chrysene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Bis(2-ethylhexyl) Phthalate	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Di-n-octyl Phthalate	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Benzo(b)fluoranthene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Benzo(k)fluoranthene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Benzo(a)pyrene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Indeno(1,2,3-cd)pyrene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	
Dibenz(a,h)anthracene	ND	U	11	1	11/07/05	11/15/05	KWG0519265	

Comments:

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-7  
Lab Code: K0505432-035  
Extraction Method: EPA 3520C  
Analysis Method: 8270C

Units: ug/L  
Basis: NA  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
nzo(g,h,i)perylene	ND U	11	1	11/07/05	11/15/05	KWG0519265	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorophenol	60	45-97	11/15/05	Acceptable
Phenol-d6	68	45-108	11/15/05	Acceptable
Nitrobenzene-d5	71	47-112	11/15/05	Acceptable
Fluorobiphenyl	71	48-103	11/15/05	Acceptable
2,4,6-Tribromophenol	70	56-116	11/15/05	Acceptable
Terphenyl-d14	46	33-158	11/15/05	Acceptable

## Analyte Comments

Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank  
 Lab Code: KWG0519265-4  
 Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	24	2	11/07/05	11/14/05	KWG0519265	
Aniline	ND	U	24	2	11/07/05	11/14/05	KWG0519265	
Bis(2-chloroethyl) Ether	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Phenol	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
2-Chlorophenol	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
1,3-Dichlorobenzene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
1,4-Dichlorobenzene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
1,2-Dichlorobenzene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Benzyl alcohol	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Bis(2-chloroisopropyl) Ether	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
2-Methylphenol	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Hexachloroethane	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
N-Nitrosodi-n-propylamine	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
4-Methylphenol†	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Nitrobenzene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Isophorone	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
2-Nitrophenol	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
2,4-Dimethylphenol	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Bis(2-chloroethoxy)methane	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
2,4-Dichlorophenol	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Benzoic acid	ND	U	24	2	11/07/05	11/14/05	KWG0519265	
1,2,4-Trichlorobenzene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Naphthalene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
4-Chloroaniline	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Hexachlorobutadiene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
4-Chloro-3-methylphenol	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
2-Methylnaphthalene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Hexachlorocyclopentadiene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
2,4,6-Trichlorophenol	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
2,4,5-Trichlorophenol	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
2-Chloronaphthalene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
2-Nitroaniline	ND	U	24	2	11/07/05	11/14/05	KWG0519265	
Acenaphthylene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	

Comments: \_\_\_\_\_



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank  
 Lab Code: KWG0519265-4  
 Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
5-Dinitrotoluene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Acenaphthene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
3-Nitroaniline	ND	U	24	2	11/07/05	11/14/05	KWG0519265	
4-Dinitrophenol	ND	U	24	2	11/07/05	11/14/05	KWG0519265	
2-Benzofuran	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
4-Nitrophenol	ND	U	24	2	11/07/05	11/14/05	KWG0519265	
4-Dinitrotoluene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
fluorene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
4-Chlorophenyl Phenyl Ether	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
ethyl Phthalate	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Nitroaniline	ND	U	24	2	11/07/05	11/14/05	KWG0519265	
2-Methyl-4,6-dinitrophenol	ND	U	24	2	11/07/05	11/14/05	KWG0519265	
Nitrosodiphenylamine	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Bromophenyl Phenyl Ether	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Hexachlorobenzene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
pentachlorophenol	ND	U	24	2	11/07/05	11/14/05	KWG0519265	
benanthrene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Anthracene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
n-butyl Phthalate	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
fluoranthene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Pyrene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
n-butyl Benzyl Phthalate	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
3'-Dichlorobenzidine	ND	U	24	2	11/07/05	11/14/05	KWG0519265	
Benz(a)anthracene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Chrysene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
is(2-ethylhexyl) Phthalate	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Di-n-octyl Phthalate	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Benzo(b)fluoranthene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
benzo(k)fluoranthene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Benzo(a)pyrene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
Indeno(1,2,3-cd)pyrene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	
benz(a,h)anthracene	ND	U	9.5	2	11/07/05	11/14/05	KWG0519265	

Comments: \_\_\_\_\_

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Water

Service Request: K0505432  
Date Collected: NA  
Date Received: NA

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank  
Lab Code: KWG0519265-4  
Extraction Method: EPA 3520C  
Analysis Method: 8270C

Units: ug/L  
Basis: NA  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	9.5	2	11/07/05	11/14/05	KWG0519265	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	72	45-97	11/14/05	Acceptable
Phenol-d6	80	45-108	11/14/05	Acceptable
Nitrobenzene-d5	79	47-112	11/14/05	Acceptable
2-Fluorobiphenyl	67	48-103	11/14/05	Acceptable
2,4,6-Tribromophenol	75	56-116	11/14/05	Acceptable
Terphenyl-d14	97	33-158	11/14/05	Acceptable

## Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH1 0-1  
 Lab Code: K0505432-001  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Nitrosodimethylamine	ND	U	2.0	1	11/09/05	11/15/05	KWG0519345	
aniline	ND	U	1.0	1	11/09/05	11/15/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
phenol	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Chlorophenol	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
4-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Benzyl Alcohol	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Methylphenol	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Hexachloroethane	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Nitrosodi-n-propylamine	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Methylphenol†	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Nitrobenzene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Isophorone	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Nitrophenol	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
4-Dichlorophenol	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Benzoic Acid	ND	U	2.0	1	11/09/05	11/15/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
naphthalene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Chloroaniline	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Chloro-3-methylphenol	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Methylnaphthalene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
4,6-Trichlorophenol	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
4,5-Trichlorophenol	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Nitroaniline	ND	U	2.0	1	11/09/05	11/15/05	KWG0519345	
acenaphthylene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH1 0-1  
 Lab Code: K0505432-001  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
2,6-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Acenaphthene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
3-Nitroaniline	ND	U	2.0	1	11/09/05	11/15/05	KWG0519345	
2,4-Dinitrophenol	ND	U	2.0	1	11/09/05	11/15/05	KWG0519345	
Dibenzofuran	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
4-Nitrophenol	ND	U	2.0	1	11/09/05	11/15/05	KWG0519345	
2,4-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Fluorene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Diethyl Phthalate	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
4-Nitroaniline	ND	U	2.0	1	11/09/05	11/15/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/09/05	11/15/05	KWG0519345	
N-Nitrosodiphenylamine	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Hexachlorobenzene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Pentachlorophenol	ND	U	2.0	1	11/09/05	11/15/05	KWG0519345	
Phenanthrene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Anthracene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Fluoranthene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Pyrene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Butyl Benzyl Phthalate	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
3,3'-Dichlorobenzidine	ND	U	2.0	1	11/09/05	11/15/05	KWG0519345	
Benz(a)anthracene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Chrysene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Bis(2-ethylhexyl) Phthalate	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Indeno(1,2,3-cd)pyrene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	
Dibenz(a,h)anthracene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	

Comments: \_\_\_\_\_

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH1 0-1  
Lab Code: K0505432-001  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1 nzo(g,h,i)perylene	ND	U	0.33	1	11/09/05	11/15/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorophenol	37	25-94	11/15/05	Acceptable
enol-d6	47	32-103	11/15/05	Acceptable
Nitrobenzene-d5	48	31-110	11/15/05	Acceptable
Fluorobiphenyl	48	27-120	11/15/05	Acceptable
,6-Tribromophenol	53	29-120	11/15/05	Acceptable
Terphenyl-d14	77	41-137	11/15/05	Acceptable

## Analyte Comments

Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH1 8-9  
 Lab Code: K0505432-003  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Aniline	ND	U	1.0	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Phenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Chlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzyl Alcohol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Methylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachloroethane	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Methylphenol†	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitrobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Isophorone	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Nitrophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzoic Acid	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Naphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Chloroaniline	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Chloro-3-methylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Methylnaphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4,6-Trichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4,5-Trichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Acenaphthylene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH1 8-9  
 Lab Code: K0505432-003  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
methyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
5-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Acenaphthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
4-Dinitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2-Benzofuran	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Nitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
4-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Fluorene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
methyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
-Nitrosodiphenylamine	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bromophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4-Dichlorophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Benanthrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di-n-butyl Benzyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
3,3'-Dichlorobenzidine	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Benz(a)anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chrysene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-ethylhexyl) Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Indeno(1,2,3-cd)pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(a,h)anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	

Comments: \_\_\_\_\_

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH1 8-9  
Lab Code: K0505432-003  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.33	1	11/09/05	11/16/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	27	25-94	11/16/05	Acceptable
Phenol-d6	34	32-103	11/16/05	Acceptable
Nitrobenzene-d5	34	31-110	11/16/05	Acceptable
2-Fluorobiphenyl	35	27-120	11/16/05	Acceptable
2,4,6-Tribromophenol	40	29-120	11/16/05	Acceptable
Terphenyl-d14	70	41-137	11/16/05	Acceptable

## † Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-1 14-15  
 Lab Code: K0505432-004  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
Aniline	ND	U	1.1	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Phenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Chlorophenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Benzyl Alcohol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Methylphenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Hexachloroethane	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Methylphenol†	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Chlorobenzene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Isophorone	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Nitrophenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
4-Dimethylphenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Benzoic Acid	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Naphthalene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Chloroaniline	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
4-Chloro-3-methylphenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Methylnaphthalene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2,4,6-Trichlorophenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2,4,5-Trichlorophenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2-Nitroaniline	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
Acenaphthylene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-1 14-15  
 Lab Code: K0505432-004  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2,6-Dinitrotoluene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Acenaphthene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
3-Nitroaniline	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrophenol	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
Dibenzofuran	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
4-Nitrophenol	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrotoluene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Fluorene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Diethyl Phthalate	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
4-Nitroaniline	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodiphenylamine	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobenzene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Pentachlorophenol	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
Phenanthrene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Anthracene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Fluoranthene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Pyrene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Butyl Benzyl Phthalate	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
3,3'-Dichlorobenzidine	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
Benz(a)anthracene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Chrysene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Bis(2-ethylhexyl) Phthalate	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Indeno(1,2,3-cd)pyrene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Dibenz(a,h)anthracene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-1 14-15  
 Lab Code: K0505432-004  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
benzo(g,h,i)perylene	ND U	0.35	1	11/09/05	11/16/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorophenol	36	25-94	11/16/05	Acceptable
phenol-d6	42	32-103	11/16/05	Acceptable
Nitrobenzene-d5	40	31-110	11/16/05	Acceptable
Fluorobiphenyl	37	27-120	11/16/05	Acceptable
4,6-Tribromophenol	37	29-120	11/16/05	Acceptable
terphenyl-d14	59	41-137	11/16/05	Acceptable

## † Analyte Comments

Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-2 0-1  
 Lab Code: K0505432-005  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Aniline	ND	U	1.0	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Phenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Chlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzyl Alcohol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Methylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachloroethane	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Methylphenol†	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitrobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Isophorone	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Nitrophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzoic Acid	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Naphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Chloroaniline	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Chloro-3-methylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Methylnaphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4,6-Trichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4,5-Trichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Acenaphthylene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-2 0-1  
 Lab Code: K0505432-005  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,5-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Acenaphthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
4-Dinitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
1-Benzofuran	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Nitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
1,4-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1-Xylene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Diethyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
3-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Nitrosodiphenylamine	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
3-Bromophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4-Dichlorophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
1-Fluorenone	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1-Fluorenone	0.53		0.33	1	11/09/05	11/16/05	KWG0519345	
Pyrene	0.42		0.33	1	11/09/05	11/16/05	KWG0519345	
Diethyl Benzyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,1'-Dichlorobenzidine	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Benz(a)anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chrysene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di(2-ethylhexyl) Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Indeno(1,2,3-cd)pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(a,h)anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	

Comments: \_\_\_\_\_

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-2 0-1  
Lab Code: K0505432-005  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.33	1	11/09/05	11/16/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	35	25-94	11/16/05	Acceptable
Phenol-d6	45	32-103	11/16/05	Acceptable
Nitrobenzene-d5	42	31-110	11/16/05	Acceptable
2-Fluorobiphenyl	45	27-120	11/16/05	Acceptable
2,4,6-Tribromophenol	51	29-120	11/16/05	Acceptable
Terphenyl-d14	66	41-137	11/16/05	Acceptable

## Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-2 5-6  
 Lab Code: K0505432-007  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Nitrosodimethylamine	ND	U	2.3	1	11/09/05	11/16/05	KWG0519345	
Aniline	ND	U	1.2	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Phenol	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Chlorophenol	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Benzyl Alcohol	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Methylphenol	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Hexachloroethane	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Methylphenol†	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Nitrobenzene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Isophorone	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Nitrophenol	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
1,4-Dimethylphenol	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
1,2-Dichlorophenol	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Benzoic Acid	ND	U	2.3	1	11/09/05	11/16/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Phthalene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Chloroaniline	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Chloro-3-methylphenol	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Methylnaphthalene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
1,6-Trichlorophenol	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
1,5-Trichlorophenol	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Nitroaniline	ND	U	2.3	1	11/09/05	11/16/05	KWG0519345	
Benaphthylene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-2 5-6  
 Lab Code: K0505432-007  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
2,6-Dinitrotoluene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Acenaphthene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
3-Nitroaniline	ND	U	2.3	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrophenol	ND	U	2.3	1	11/09/05	11/16/05	KWG0519345	
Dibenzofuran	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
4-Nitrophenol	ND	U	2.3	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrotoluene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Fluorene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Diethyl Phthalate	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
4-Nitroaniline	ND	U	2.3	1	11/09/05	11/16/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.3	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodiphenylamine	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobenzene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Pentachlorophenol	ND	U	2.3	1	11/09/05	11/16/05	KWG0519345	
Phenanthrene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Anthracene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Fluoranthene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Pyrene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Butyl Benzyl Phthalate	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
3,3'-Dichlorobenzidine	ND	U	2.3	1	11/09/05	11/16/05	KWG0519345	
Benz(a)anthracene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Chrysene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Bis(2-ethylhexyl) Phthalate	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Indeno(1,2,3-cd)pyrene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	
Dibenz(a,h)anthracene	ND	U	0.38	1	11/09/05	11/16/05	KWG0519345	

Comments: \_\_\_\_\_



## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-2 5-6  
 Lab Code: K0505432-007

Units: mg/Kg  
 Basis: Dry

Extraction Method: EPA 3541  
 Analysis Method: 8270C

Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.38	1	11/09/05	11/16/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorophenol	33	25-94	11/16/05	Acceptable
1-Methenol-d6	39	32-103	11/16/05	Acceptable
Nitrobenzene-d5	37	31-110	11/16/05	Acceptable
Fluorobiphenyl	37	27-120	11/16/05	Acceptable
1,6-Tribromophenol	43	29-120	11/16/05	Acceptable
Terphenyl-d14	68	41-137	11/16/05	Acceptable

## Analyte Comments

1-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH2 10-11  
 Lab Code: K0505432-008  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Aniline	ND	U	1.1	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Phenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2-Chlorophenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Benzyl Alcohol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2-Methylphenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Hexachloroethane	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
4-Methylphenol†	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Nitrobenzene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Isophorone	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2-Nitrophenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Benzoic Acid	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Naphthalene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
4-Chloroaniline	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
4-Chloro-3-methylphenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2-Methylnaphthalene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2,4,6-Trichlorophenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2,4,5-Trichlorophenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2-Nitroaniline	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Acenaphthylene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH2 10-11  
 Lab Code: K0505432-008  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
methyl Phthalate	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
5-Dinitrotoluene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Acenaphthene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Nitroaniline	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
4-Dinitrophenol	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Dibenzofuran	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Nitrophenol	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
4-Dinitrotoluene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Fluorene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
ethyl Phthalate	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
4-Nitroaniline	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Nitrosodiphenylamine	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
3-Bromophenyl Phenyl Ether	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobenzene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2,4-Dichlorophenol	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
1-Methylnanthrene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Anthracene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
4-n-butyl Phthalate	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Fluoranthene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Pyrene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
4-ethyl Benzyl Phthalate	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
3,3'-Dichlorobenzidine	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Benz(a)anthracene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Fluoranthene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
1,2,3,4-tetra(2-ethylhexyl) Phthalate	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Benzo(1,2,3-cd)pyrene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Benzo(a,h)anthracene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH2 10-11  
Lab Code: K0505432-008  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.34	1	11/09/05	11/16/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	31	25-94	11/16/05	Acceptable
Phenol-d6	40	32-103	11/16/05	Acceptable
Nitrobenzene-d5	40	31-110	11/16/05	Acceptable
2-Fluorobiphenyl	39	27-120	11/16/05	Acceptable
2,4,6-Tribromophenol	43	29-120	11/16/05	Acceptable
Terphenyl-d14	59	41-137	11/16/05	Acceptable

## † Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-3 0-1  
 Lab Code: K0505432-009  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Aniline	ND	U	1.0	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Phenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzyl Alcohol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Methylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachloroethane	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Methylphenol†	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Strobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Isophorone	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitrophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Dimethylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Dichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzoic Acid	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Naphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chloroaniline	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Chloro-3-methylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Methylnaphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4,6-Trichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4,5-Trichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Benaphthylene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-3 0-1  
 Lab Code: K0505432-009  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,6-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Acenaphthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
3-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Dibenzofuran	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Nitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Fluorene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Diethyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodiphenylamine	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Pentachlorophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Phenanthrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Butyl Benzyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
3,3'-Dichlorobenzidine	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Benz(a)anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chrysene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-ethylhexyl) Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Indeno(1,2,3-cd)pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Dibenz(a,h)anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	

Comments: \_\_\_\_\_

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-3 0-1  
Lab Code: K0505432-009  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1 nzo(g,h,i)perylene	ND U	0.33	1	11/09/05	11/16/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2 Fluorophenol	32	25-94	11/16/05	Acceptable
1 enol-d6	40	32-103	11/16/05	Acceptable
Nitrobenzene-d5	39	31-110	11/16/05	Acceptable
2 Fluorobiphenyl	43	27-120	11/16/05	Acceptable
2 ,6-Tribromophenol	49	29-120	11/16/05	Acceptable
1 erphenyl-d14	66	41-137	11/16/05	Acceptable

## Analyte Comments

1 ethylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-3 6-7  
 Lab Code: K0505432-011  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.5	1	11/09/05	11/16/05	KWG0519345	
Aniline	ND	U	1.3	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Phenol	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
2-Chlorophenol	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Benzyl Alcohol	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
2-Methylphenol	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Hexachloroethane	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
4-Methylphenol†	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Nitrobenzene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Isophorone	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
2-Nitrophenol	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Benzoic Acid	ND	U	2.5	1	11/09/05	11/16/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Naphthalene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
4-Chloroaniline	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
4-Chloro-3-methylphenol	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
2-Methylnaphthalene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
2,4,6-Trichlorophenol	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
2,4,5-Trichlorophenol	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
2-Nitroaniline	ND	U	2.5	1	11/09/05	11/16/05	KWG0519345	
Acenaphthylene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	

Comments: \_\_\_\_\_



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-3 6-7  
 Lab Code: K0505432-011  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
methyl Phthalate	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1,3-Dinitrotoluene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Acenaphthene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1-Nitroaniline	ND	U	2.5	1	11/09/05	11/16/05	KWG0519345	
1,4-Dinitrophenol	ND	U	2.5	1	11/09/05	11/16/05	KWG0519345	
1-Benzofuran	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1-Nitrophenol	ND	U	2.5	1	11/09/05	11/16/05	KWG0519345	
1,3-Dinitrotoluene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Fluorene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
methyl Phthalate	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1-Nitroaniline	ND	U	2.5	1	11/09/05	11/16/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.5	1	11/09/05	11/16/05	KWG0519345	
Nitrosodiphenylamine	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
3-Bromophenyl Phenyl Ether	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobenzene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
2,4-Dichlorophenol	ND	U	2.5	1	11/09/05	11/16/05	KWG0519345	
1-Fluorene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Anthracene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1-n-butyl Phthalate	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1-Fluorene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Pyrene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1-ethyl Benzyl Phthalate	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1,1'-Dichlorobenzidine	ND	U	2.5	1	11/09/05	11/16/05	KWG0519345	
Benz(a)anthracene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1-Fluorene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1-(2-ethylhexyl) Phthalate	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1-Benzo(b)fluoranthene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1-Benzo(k)fluoranthene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1-Benzo(1,2,3-cd)pyrene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	
1-benz(a,h)anthracene	ND	U	0.41	1	11/09/05	11/16/05	KWG0519345	

Comments: \_\_\_\_\_

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-3 6-7  
Lab Code: K0505432-011  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.41	1	11/09/05	11/16/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	39	25-94	11/16/05	Acceptable
Phenol-d6	44	32-103	11/16/05	Acceptable
Nitrobenzene-d5	40	31-110	11/16/05	Acceptable
2-Fluorobiphenyl	40	27-120	11/16/05	Acceptable
2,4,6-Tribromophenol	44	29-120	11/16/05	Acceptable
Terphenyl-d14	66	41-137	11/16/05	Acceptable

## † Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-3 10-11  
 Lab Code: K0505432-012  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Nitrosodimethylamine	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
Uline	ND	U	1.1	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Phenol	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Chlorophenol	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Benzyl Alcohol	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Methylphenol	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Hexachloroethane	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Methylphenol†	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Nitrobenzene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Isophorone	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Nitrophenol	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
1,4-Dimethylphenol	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
1,2-Dichlorophenol	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Benzoic Acid	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Naphthalene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Chloroaniline	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Chloro-3-methylphenol	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Methylnaphthalene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
1,4,6-Trichlorophenol	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
1,5-Trichlorophenol	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Nitroaniline	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
Benaphthylene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-3 10-11  
 Lab Code: K0505432-012  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
2,6-Dinitrotoluene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Acenaphthene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
3-Nitroaniline	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrophenol	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
Dibenzofuran	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
4-Nitrophenol	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrotoluene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Fluorene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Diethyl Phthalate	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
4-Nitroaniline	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodiphenylamine	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobenzene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Pentachlorophenol	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
Phenanthrene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Anthracene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Fluoranthene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Pyrene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Butyl Benzyl Phthalate	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
3,3'-Dichlorobenzidine	ND	U	2.2	1	11/09/05	11/16/05	KWG0519345	
Benz(a)anthracene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Chrysene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Bis(2-ethylhexyl) Phthalate	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Indeno(1,2,3-cd)pyrene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	
Dibenz(a,h)anthracene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-3 10-11  
 Lab Code: K0505432-012  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
benzo(g,h,i)perylene	ND	U	0.36	1	11/09/05	11/16/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorophenol	34	25-94	11/16/05	Acceptable
phenol-d6	42	32-103	11/16/05	Acceptable
Nitrobenzene-d5	42	31-110	11/16/05	Acceptable
Fluorobiphenyl	39	27-120	11/16/05	Acceptable
4,6-Tribromophenol	51	29-120	11/16/05	Acceptable
terphenyl-d14	86	41-137	11/16/05	Acceptable

## Analyte Comments

Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-4 0-1  
 Lab Code: K0505432-013  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Aniline	ND	U	1.0	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Phenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Chlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzyl Alcohol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Methylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachloroethane	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Methylphenol†	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitrobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Isophorone	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Nitrophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzoic Acid	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Naphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Chloroaniline	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Chloro-3-methylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Methylnaphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4,6-Trichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4,5-Trichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Acenaphthylene	ND	U *	0.33	1	11/09/05	11/16/05	KWG0519345	

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-4 0-1  
 Lab Code: K0505432-013  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,5-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Acenaphthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
4-Dinitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Dibenzofuran	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
4-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Fluorene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chlorophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Diethyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Nitrosodiphenylamine	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Heptachlorophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Fluorenanthrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
n-butyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Diethyl Benzyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,3'-Dichlorobenzidine	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di(2-ethylhexyl) Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(1,2,3-cd)pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(a,h)anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-4 0-1  
Lab Code: K0505432-013  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.33	1	11/09/05	11/16/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	39	25-94	11/16/05	Acceptable
Phenol-d6	49	32-103	11/16/05	Acceptable
Nitrobenzene-d5	50	31-110	11/16/05	Acceptable
2-Fluorobiphenyl	51	27-120	11/16/05	Acceptable
2,4,6-Tribromophenol	49	29-120	11/16/05	Acceptable
Terphenyl-d14	68	41-137	11/16/05	Acceptable

## † Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:



## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-4 5.5-6.5  
 Lab Code: K0505432-014  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Nitrosodimethylamine	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Aniline	ND	U	1.0	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Phenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzyl Alcohol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Methylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachloroethane	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitrosodi-n-propylamine	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Methylphenol†	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitrobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Phosphorone	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitrophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Dichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzoic Acid	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Naphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
o-Chloroaniline	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chloro-3-methylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1-Methylnaphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4,6-Trichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4,5-Trichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
o-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
acenaphthylene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-4 5.5-6.5  
 Lab Code: K0505432-014  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,6-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Acenaphthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
3-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Dibenzofuran	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Nitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Fluorene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Diethyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodiphenylamine	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Pentachlorophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Phenanthrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Butyl Benzyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
3,3'-Dichlorobenzidine	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Benz(a)anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chrysene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-ethylhexyl) Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Indeno(1,2,3-cd)pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Dibenz(a,h)anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	

Comments:

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-4 5.5-6.5  
Lab Code: K0505432-014  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1 nzo(g,h,i)perylene	ND U	0.33	1	11/09/05	11/16/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorophenol	37	25-94	11/16/05	Acceptable
Phenol-d6	47	32-103	11/16/05	Acceptable
Nitrobenzene-d5	50	31-110	11/16/05	Acceptable
Fluorobiphenyl	47	27-120	11/16/05	Acceptable
2,4,6-Tribromophenol	52	29-120	11/16/05	Acceptable
Terphenyl-d14	82	41-137	11/16/05	Acceptable

## Analyte Comments

Methylphenol This analyte cannot be separated from 3-Methylphenol.

## Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-4 9.5-10.5  
 Lab Code: K0505432-015  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Aniline	ND	U	1.1	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Phenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2-Chlorophenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Benzyl Alcohol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2-Methylphenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Hexachloroethane	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
4-Methylphenol†	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Nitrobenzene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Isophorone	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2-Nitrophenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Benzoic Acid	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Naphthalene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
4-Chloroaniline	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
4-Chloro-3-methylphenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2-Methylnaphthalene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2,4,6-Trichlorophenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2,4,5-Trichlorophenol	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2-Nitroaniline	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Acenaphthylene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-4 9.5-10.5  
 Lab Code: K0505432-015

Units: mg/Kg

Basis: Dry

Extraction Method: EPA 3541

Level: Low

Analysis Method: 8270C

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
methyl Phthalate	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2,5-Dinitrotoluene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Acenaphthene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Nitroaniline	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrophenol	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Dibenzofuran	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Nitrophenol	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
4-Dinitrotoluene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Fluorene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Chlorophenyl Phenyl Ether	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
ethyl Phthalate	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
4-Nitroaniline	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Methyl-4,6-dinitrophenol	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Nitrosodiphenylamine	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
o-chlorobenzene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
o-chlorophenol	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Phenanthrene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
anthracene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
n-butyl Phthalate	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
fluoranthene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
rene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
ethyl Benzyl Phthalate	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2,3'-Dichlorobenzidine	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)anthracene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
rysene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
2-(2-ethylhexyl) Phthalate	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
benzo(b)fluoranthene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
benzo(k)fluoranthene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
beno(1,2,3-cd)pyrene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	
benz(a,h)anthracene	ND	U	0.35	1	11/09/05	11/16/05	KWG0519345	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-4 9.5-10.5  
Lab Code: K0505432-015  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.35	1	11/09/05	11/16/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	26	25-94	11/16/05	Acceptable
Phenol-d6	31	32-103	11/16/05	Outside Control Limits
Nitrobenzene-d5	30	31-110	11/16/05	Outside Control Limits
2-Fluorobiphenyl	29	27-120	11/16/05	Acceptable
2,4,6-Tribromophenol	28	29-120	11/16/05	Outside Control Limits
Terphenyl-d14	51	41-137	11/16/05	Acceptable

## † Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-5 0-1  
 Lab Code: K0505432-016  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Nitrosodimethylamine	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Aniline	ND	U	1.0	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Phenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzyl Alcohol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Methylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachloroethane	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitrosodi-n-propylamine	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Methylphenol†	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitrobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Phosphorone	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitrophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Dichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzoic Acid	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Naphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
p-Chloroaniline	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chloro-3-methylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Methylnaphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4,6-Trichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4,5-Trichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
acenaphthylene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-5 0-1  
 Lab Code: K0505432-016  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,6-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Acenaphthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
3-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Dibenzofuran	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Nitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Fluorene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Diethyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodiphenylamine	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Pentachlorophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Phenanthrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Butyl Benzyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
3,3'-Dichlorobenzidine	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Benz(a)anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chrysene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-ethylhexyl) Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Indeno(1,2,3-cd)pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Dibenz(a,h)anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	

Comments:



## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-5 0-1  
 Lab Code: K0505432-016  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1-methyl-2,3,4,5,6-pentachlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1-fluorophenol	32	25-94	11/16/05	Acceptable
Phenol-d6	40	32-103	11/16/05	Acceptable
Nitrobenzene-d5	40	31-110	11/16/05	Acceptable
1-fluorobiphenyl	41	27-120	11/16/05	Acceptable
2,4,6-Tribromophenol	43	29-120	11/16/05	Acceptable
Terphenyl-d14	66	41-137	11/16/05	Acceptable

## Analyte Comments

1-methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-5 10.5-11.5  
 Lab Code: K0505432-018  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Aniline	ND	U	1.1	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Phenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2-Chlorophenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Benzyl Alcohol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2-Methylphenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Hexachloroethane	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
4-Methylphenol†	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Nitrobenzene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Isophorone	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2-Nitrophenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Benzoic Acid	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Naphthalene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
4-Chloroaniline	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
4-Chloro-3-methylphenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2-Methylnaphthalene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2,4,6-Trichlorophenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2,4,5-Trichlorophenol	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2-Nitroaniline	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Acenaphthylene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-5 10.5-11.5  
 Lab Code: K0505432-018  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
methyl Phthalate	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2,5-Dinitrotoluene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Acenaphthene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Nitroaniline	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrophenol	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Dibenzofuran	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Nitrophenol	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
4-Dinitrotoluene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Fluorene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Chlorophenyl Phenyl Ether	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
ethyl Phthalate	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
4-Nitroaniline	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Methyl-4,6-dinitrophenol	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Nitrosodiphenylamine	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
o-chlorobenzene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
o-chlorophenol	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Phenanthrene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Anthracene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
n-butyl Phthalate	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Fluoranthene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Pyrene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Diethyl Benzyl Phthalate	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
2,3'-Dichlorobenzidine	ND	U	2.1	1	11/09/05	11/16/05	KWG0519345	
Benz(a)anthracene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Pyrene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Diethylhexyl Phthalate	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Benzo(1,2,3-cd)pyrene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	
Benzo(a,h)anthracene	ND	U	0.34	1	11/09/05	11/16/05	KWG0519345	

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-5 10.5-11.5  
 Lab Code: K0505432-018  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.34	1	11/09/05	11/16/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	33	25-94	11/16/05	Acceptable
Phenol-d6	40	32-103	11/16/05	Acceptable
Nitrobenzene-d5	41	31-110	11/16/05	Acceptable
2-Fluorobiphenyl	39	27-120	11/16/05	Acceptable
2,4,6-Tribromophenol	39	29-120	11/16/05	Acceptable
Terphenyl-d14	62	41-137	11/16/05	Acceptable

## † Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-6 0-1  
 Lab Code: K0505432-019  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Nitrosodimethylamine	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Aniline	ND	U	1.0	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Phenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzyl Alcohol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Methylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachloroethane	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitrosodi-n-propylamine	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Methylphenol†	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitrobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Phorone	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitrophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Dichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzoic Acid	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Naphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Chloroaniline	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chloro-3-methylphenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Methylnaphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4,6-Trichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4,5-Trichlorophenol	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Benaphthylene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-6 0-1  
 Lab Code: K0505432-019  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
2,6-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Acenaphthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
3-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Dibenzofuran	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Nitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2,4-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Fluorene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Diethyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Nitroaniline	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
N-Nitrosodiphenylamine	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Hexachlorobenzene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Pentachlorophenol	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Phenanthrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Butyl Benzyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
3,3'-Dichlorobenzidine	ND	U	2.0	1	11/09/05	11/16/05	KWG0519345	
Benz(a)anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Chrysene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Bis(2-ethylhexyl) Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Indeno(1,2,3-cd)pyrene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	
Dibenz(a,h)anthracene	ND	U	0.33	1	11/09/05	11/16/05	KWG0519345	

Comments:

## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-6 0-1  
 Lab Code: K0505432-019  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
benzo(g,h,i)perylene	ND U	0.33	1	11/09/05	11/16/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorophenol	32	25-94	11/16/05	Acceptable
Phenol-d6	41	32-103	11/16/05	Acceptable
Nitrobenzene-d5	43	31-110	11/16/05	Acceptable
Fluorobiphenyl	42	27-120	11/16/05	Acceptable
2,4,6-Tribromophenol	52	29-120	11/16/05	Acceptable
Terphenyl-d14	71	41-137	11/16/05	Acceptable

## † Analyte Comments

Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-6 7-8  
 Lab Code: K0505432-020  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
Aniline	ND	U	1.1	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Phenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2-Chlorophenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Benzyl Alcohol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2-Methylphenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Hexachloroethane	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
4-Methylphenol†	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Nitrobenzene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Isophorone	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2-Nitrophenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Benzoic Acid	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Naphthalene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
4-Chloroaniline	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
4-Chloro-3-methylphenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2-Methylnaphthalene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2,4,6-Trichlorophenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2,4,5-Trichlorophenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2-Nitroaniline	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
Acenaphthylene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	

Comments:



## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-6 7-8  
 Lab Code: K0505432-020  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
methyl Phthalate	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2,5-Dinitrotoluene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Acenaphthene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Nitroaniline	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
2,4-Dinitrophenol	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
Dibenzofuran	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Nitrophenol	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
1-Dinitrotoluene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Fluorene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2-Chlorophenyl Phenyl Ether	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
ethyl Phthalate	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
4-Nitroaniline	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
Methyl-4,6-dinitrophenol	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
Nitrosodiphenylamine	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2,4-Dichlorophenol	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
Phenanthrene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Anthracene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
n-butyl Phthalate	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Fluoranthene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Pyrene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
1-methyl Benzyl Phthalate	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2,3,3'-Dichlorobenzidine	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
Benzo(a)anthracene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
1,2,3-Trisene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Di-(2-ethylhexyl) Phthalate	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Benzo(1,2,3-cd)pyrene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Benzo(a,h)anthracene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	

Comments:

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-6 7-8  
Lab Code: K0505432-020  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.35	1	11/09/05	11/17/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	37	25-94	11/17/05	Acceptable
Phenol-d6	49	32-103	11/17/05	Acceptable
Nitrobenzene-d5	48	31-110	11/17/05	Acceptable
2-Fluorobiphenyl	47	27-120	11/17/05	Acceptable
2,4,6-Tribromophenol	49	29-120	11/17/05	Acceptable
Terphenyl-d14	69	41-137	11/17/05	Acceptable

## † Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-6 14.5-15.5  
 Lab Code: K0505432-021  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Nitrosodimethylamine	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
Aniline	ND	U	1.1	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Benzyl Alcohol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2-Methylphenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Hexachloroethane	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Nitrosodi-n-propylamine	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2-Methylphenol†	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Nitrobenzene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Triphenylmethane	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2-Nitrophenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Benzoic Acid	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2-Chloroaniline	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2-Chloro-3-methylphenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Methylnaphthalene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
1,6-Trichlorophenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
1,5-Trichlorophenol	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Nitroaniline	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
1-Naphthylamine	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-6 14.5-15.5  
 Lab Code: K0505432-021  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
2,6-Dinitrotoluene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Acenaphthene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
3-Nitroaniline	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
2,4-Dinitrophenol	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
Dibenzofuran	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
4-Nitrophenol	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
2,4-Dinitrotoluene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Fluorene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Diethyl Phthalate	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
4-Nitroaniline	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
N-Nitrosodiphenylamine	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Hexachlorobenzene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Pentachlorophenol	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
Phenanthrene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Anthracene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Fluoranthene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Pyrene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Butyl Benzyl Phthalate	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
3,3'-Dichlorobenzidine	ND	U	2.1	1	11/09/05	11/17/05	KWG0519345	
Benz(a)anthracene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Chrysene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Bis(2-ethylhexyl) Phthalate	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Indeno(1,2,3-cd)pyrene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	
Dibenz(a,h)anthracene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	

Comments:

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-6 14.5-15.5  
Lab Code: K0505432-021  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1-methyl-2,3,4,5-tetrahydro-1H-pyrene	ND	U	0.35	1	11/09/05	11/17/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorophenol	26	25-94	11/17/05	Acceptable
Phenol-d6	32	32-103	11/17/05	Acceptable
Nitrobenzene-d5	31	31-110	11/17/05	Acceptable
Fluorobiphenyl	32	27-120	11/17/05	Acceptable
1,6-Tribromophenol	34	29-120	11/17/05	Acceptable
Terphenyl-d14	63	41-137	11/17/05	Acceptable

## Analyte Comments

Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-7 0-1  
 Lab Code: K0505432-022  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Aniline	ND	U	1.0	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Phenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Chlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzyl Alcohol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Methylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Hexachloroethane	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Methylphenol†	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Nitrobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Isophorone	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Nitrophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzoic Acid	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Naphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Chloroaniline	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Chloro-3-methylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Methylnaphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2,4,6-Trichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2,4,5-Trichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Acenaphthylene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-7 0-1  
 Lab Code: K0505432-022  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
6-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Acenaphthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
4-Dinitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Dibenzofuran	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Nitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
4-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Fluorene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Dimethyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
4-Nitrosodiphenylamine	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Hexachlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2,4-Dichlorophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Acenanthrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Diethyl Benzyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
3,3'-Dichlorobenzidine	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Benz(a)anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Chrysene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Bis(2-ethylhexyl) Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzo(1,2,3-cd)pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzo(a,h)anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	

Comments: \_\_\_\_\_

## Analytical Results

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-7 0-1  
Lab Code: K0505432-022  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.33	1	11/09/05	11/17/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	36	25-94	11/17/05	Acceptable
Phenol-d6	45	32-103	11/17/05	Acceptable
Nitrobenzene-d5	46	31-110	11/17/05	Acceptable
2-Fluorobiphenyl	47	27-120	11/17/05	Acceptable
2,4,6-Tribromophenol	43	29-120	11/17/05	Acceptable
Terphenyl-d14	75	41-137	11/17/05	Acceptable

## † Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-7 5-6  
 Lab Code: K0505432-023  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Aniline	ND	U	1.0	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Phenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Chlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzyl Alcohol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Methylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
1,2-Dichloroethane	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Methylphenol†	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Isophorone	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Nitrophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
1,4-Dimethylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
1,4-Dichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzoic Acid	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Naphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Chloroaniline	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Chloro-3-methylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Methylnaphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2,4,6-Trichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2,4,5-Trichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Benaphthylene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-7 5-6  
 Lab Code: K0505432-023  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2,6-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Acenaphthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
3-Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
2,4-Dinitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Dibenzofuran	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Nitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
2,4-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Fluorene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Diethyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
N-Nitrosodiphenylamine	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Hexachlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Pentachlorophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Phenanthrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Butyl Benzyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
3,3'-Dichlorobenzidine	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Benz(a)anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Chrysene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Bis(2-ethylhexyl) Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Indeno(1,2,3-cd)pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Dibenz(a,h)anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	

Comments: \_\_\_\_\_

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-7 5-6  
Lab Code: K0505432-023  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1 nzo(g,h,i)perylene	ND U	0.33	1	11/09/05	11/17/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2 Fluorophenol	37	25-94	11/17/05	Acceptable
1 enol-d6	45	32-103	11/17/05	Acceptable
Nitrobenzene-d5	48	31-110	11/17/05	Acceptable
2 Fluorobiphenyl	48	27-120	11/17/05	Acceptable
2 ,6-Tribromophenol	53	29-120	11/17/05	Acceptable
1 erphenyl-d14	79	41-137	11/17/05	Acceptable

## Analyte Comments

1 ethylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-7 10-11  
 Lab Code: K0505432-024  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Aniline	ND	U	1.0	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Phenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Chlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzyl Alcohol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Methylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Hexachloroethane	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Methylphenol†	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Nitrobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Isophorone	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Nitrophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzoic Acid	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Naphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Chloroaniline	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Chloro-3-methylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Methylnaphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2,4,6-Trichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2,4,5-Trichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Acenaphthylene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-7 10-11  
 Lab Code: K0505432-024  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
methyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
3,5-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Acenaphthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
4-Dinitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Dibenzofuran	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2-Nitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
3,5-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Fluorene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
ethyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
4-Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Nitrosodiphenylamine	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
3-Bromophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Hexachlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
2,4-Dichlorophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Acenanthrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Di-n-butyl Benzyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
1,2-Dichlorobenzidine	ND	U	2.0	1	11/09/05	11/17/05	KWG0519345	
Benz(a)anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Fluorene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Di(2-ethylhexyl) Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzo(1,2,3-cd)pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	
Benzo(a,h)anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	

Comments: \_\_\_\_\_

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-7 10-11  
Lab Code: K0505432-024  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	33	25-94	11/17/05	Acceptable
Phenol-d6	37	32-103	11/17/05	Acceptable
Nitrobenzene-d5	38	31-110	11/17/05	Acceptable
2-Fluorobiphenyl	36	27-120	11/17/05	Acceptable
2,4,6-Tribromophenol	35	29-120	11/17/05	Acceptable
Terphenyl-d14	59	41-137	11/17/05	Acceptable

## † Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-8 0-1  
 Lab Code: K0505432-025  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Nitrosodimethylamine	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Uline	ND	U	1.0	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroethyl) Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Phenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Chlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
1,3-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
1,4-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
1,2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzyl Alcohol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroisopropyl) Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Methylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
1,2-Dichloroethane	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
N-Nitrosodi-n-propylamine	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Methylphenol†	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
1,2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Isophorone	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Nitrophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2,4-Dimethylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroethoxy)methane	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2,4-Dichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzoic Acid	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
1,2,4-Trichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Phthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Chloroaniline	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Hexachlorobutadiene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Chloro-3-methylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Methylnaphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Hexachlorocyclopentadiene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2,4,6-Trichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2,5-Trichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Chloronaphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Naphthylene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-8 0-1  
 Lab Code: K0505432-025  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2,6-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Acenaphthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
3-Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
2,4-Dinitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Dibenzofuran	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
4-Nitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
2,4-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Fluorene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
4-Chlorophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Diethyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
4-Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
N-Nitrosodiphenylamine	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
4-Bromophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Hexachlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Pentachlorophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Phenanthrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Di-n-butyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Butyl Benzyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
3,3'-Dichlorobenzidine	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Benz(a)anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Chrysene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Bis(2-ethylhexyl) Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Di-n-octyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzo(b)fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzo(k)fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzo(a)pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Indeno(1,2,3-cd)pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Dibenz(a,h)anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	

Comments:



## Analytical Results

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-8 0-1  
 Lab Code: K0505432-025  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
benzo(g,h,i)perylene	ND U	0.33	1	11/09/05	11/17/05	KWG0519346	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorophenol	49	25-94	11/17/05	Acceptable
Phenol-d6	58	32-103	11/17/05	Acceptable
Nitrobenzene-d5	60	31-110	11/17/05	Acceptable
Fluorobiphenyl	59	27-120	11/17/05	Acceptable
1,6-Tribromophenol	57	29-120	11/17/05	Acceptable
Terphenyl-d14	67	41-137	11/17/05	Acceptable

## Analyte Comments

Methylphenol This analyte cannot be separated from 3-Methylphenol.

## Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-8 7.5-8.5  
 Lab Code: K0505432-026  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Aniline	ND	U	0.99	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroethyl) Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Phenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Chlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
1,3-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
1,4-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
1,2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzyl Alcohol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroisopropyl) Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Methylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Hexachloroethane	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
N-Nitrosodi-n-propylamine	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
4-Methylphenol†	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Nitrobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Isophorone	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Nitrophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2,4-Dimethylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroethoxy)methane	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2,4-Dichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzoic Acid	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
1,2,4-Trichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Naphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
4-Chloroaniline	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Hexachlorobutadiene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
4-Chloro-3-methylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Methylnaphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Hexachlorocyclopentadiene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2,4,6-Trichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2,4,5-Trichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Chloronaphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Acenaphthylene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-8 7.5-8.5  
 Lab Code: K0505432-026

Units: mg/Kg  
 Basis: Dry

Extraction Method: EPA 3541  
 Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
5-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Acenaphthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
4-Dinitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Dibenzofuran	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Nitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
4-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Fluorene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
4-Chlorophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Dimethyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
4-Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Nitrosodiphenylamine	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Bromophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Hexachlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2,4-Dichlorophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Benanthrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
n-Butyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Methyl Benzyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
3,3'-Dichlorobenzidine	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Benz(a)anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Fluorene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Di(2-ethylhexyl) Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Di-n-octyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzo(b)fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzo(k)fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzo(a)pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzo(1,2,3-cd)pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzo(a,h)anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	

Comments: \_\_\_\_\_

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-8 7.5-8.5  
Lab Code: K0505432-026  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.33	1	11/09/05	11/17/05	KWG0519346	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	38	25-94	11/17/05	Acceptable
Phenol-d6	46	32-103	11/17/05	Acceptable
Nitrobenzene-d5	46	31-110	11/17/05	Acceptable
2-Fluorobiphenyl	45	27-120	11/17/05	Acceptable
2,4,6-Tribromophenol	43	29-120	11/17/05	Acceptable
Terphenyl-d14	54	41-137	11/17/05	Acceptable

## † Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-8 14-15  
 Lab Code: K0505432-027  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Nitrosodimethylamine	ND	U	2.2	1	11/09/05	11/17/05	KWG0519346	
Aniline	ND	U	1.1	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroethyl) Ether	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Phenol	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Chlorophenol	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
1,3-Dichlorobenzene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
1,4-Dichlorobenzene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
2-Dichlorobenzene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Benzyl Alcohol	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroisopropyl) Ether	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Methylphenol	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Hexachloroethane	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
N-Nitrosodi-n-propylamine	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Methylphenol†	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
trobenzene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Isophorone	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Nitrophenol	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
4-Dimethylphenol	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroethoxy)methane	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
4-Dichlorophenol	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
benzoic Acid	ND	U	2.2	1	11/09/05	11/17/05	KWG0519346	
1,2,4-Trichlorobenzene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
naphthalene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Chloroaniline	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Hexachlorobutadiene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Chloro-3-methylphenol	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Methylnaphthalene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Hexachlorocyclopentadiene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
4,6-Trichlorophenol	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
4,5-Trichlorophenol	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
2-Chloronaphthalene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
2-Nitroaniline	ND	U	2.2	1	11/09/05	11/17/05	KWG0519346	
acenaphthylene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-8 14-15  
 Lab Code: K0505432-027  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
2,6-Dinitrotoluene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Acenaphthene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
3-Nitroaniline	ND	U	2.2	1	11/09/05	11/17/05	KWG0519346	
2,4-Dinitrophenol	ND	U	2.2	1	11/09/05	11/17/05	KWG0519346	
Dibenzofuran	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
4-Nitrophenol	ND	U	2.2	1	11/09/05	11/17/05	KWG0519346	
2,4-Dinitrotoluene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Fluorene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
4-Chlorophenyl Phenyl Ether	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Diethyl Phthalate	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
4-Nitroaniline	ND	U	2.2	1	11/09/05	11/17/05	KWG0519346	
2-Methyl-4,6-dinitrophenol	ND	U	2.2	1	11/09/05	11/17/05	KWG0519346	
N-Nitrosodiphenylamine	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
4-Bromophenyl Phenyl Ether	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Hexachlorobenzene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Pentachlorophenol	ND	U	2.2	1	11/09/05	11/17/05	KWG0519346	
Phenanthrene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Anthracene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Di-n-butyl Phthalate	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Fluoranthene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Pyrene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Butyl Benzyl Phthalate	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
3,3'-Dichlorobenzidine	ND	U	2.2	1	11/09/05	11/17/05	KWG0519346	
Benz(a)anthracene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Chrysene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Bis(2-ethylhexyl) Phthalate	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Di-n-octyl Phthalate	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Benzo(b)fluoranthene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Benzo(k)fluoranthene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Benzo(a)pyrene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Indeno(1,2,3-cd)pyrene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	
Dibenz(a,h)anthracene	ND	U	0.36	1	11/09/05	11/17/05	KWG0519346	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-8 14-15  
Lab Code: K0505432-027  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.36	1	11/09/05	11/17/05	KWG0519346	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorophenol	43	25-94	11/17/05	Acceptable
Phenol-d6	52	32-103	11/17/05	Acceptable
Nitrobenzene-d5	53	31-110	11/17/05	Acceptable
2-Fluorobiphenyl	48	27-120	11/17/05	Acceptable
4,6-Tribromophenol	48	29-120	11/17/05	Acceptable
Terphenyl-d14	60	41-137	11/17/05	Acceptable

## Analyte Comments

3-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-5 6-7  
 Lab Code: K0505432-029  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Aniline	ND	U	1.0	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroethyl) Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Phenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Chlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
1,3-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
1,4-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
1,2-Dichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzyl Alcohol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroisopropyl) Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Methylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Hexachloroethane	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
N-Nitrosodi-n-propylamine	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
4-Methylphenol†	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Nitrobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Isophorone	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Nitrophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2,4-Dimethylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroethoxy)methane	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2,4-Dichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzoic Acid	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
1,2,4-Trichlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Naphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
4-Chloroaniline	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Hexachlorobutadiene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
4-Chloro-3-methylphenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Methylnaphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Hexachlorocyclopentadiene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2,4,6-Trichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2,4,5-Trichlorophenol	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Chloronaphthalene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
2-Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Acenaphthylene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	

Comments:



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: 11/01/2005  
 Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-5 6-7  
 Lab Code: K0505432-029  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
5-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Acenaphthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
3-Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
4-Dinitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
2-Benzofuran	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
4-Nitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
4-Dinitrotoluene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Fluorene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
4-Chlorophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
ethyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Nitroaniline	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Nitrosodiphenylamine	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Bromophenyl Phenyl Ether	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Hexachlorobenzene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
pentachlorophenol	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
benzanthrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Di-n-butyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
n-butyl Benzyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
3'-Dichlorobenzidine	ND	U	2.0	1	11/09/05	11/17/05	KWG0519346	
Benz(a)anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Chrysene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
is(2-ethylhexyl) Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Di-n-octyl Phthalate	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Benzo(b)fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
benzo(k)fluoranthene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
benzo(a)pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
Indeno(1,2,3-cd)pyrene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	
ibenz(a,h)anthracene	ND	U	0.33	1	11/09/05	11/17/05	KWG0519346	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: 11/01/2005  
Date Received: 11/02/2005

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH-5 6-7  
Lab Code: K0505432-029  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.33	1	11/09/05	11/17/05	KWG0519346	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	50	25-94	11/17/05	Acceptable
Phenol-d6	58	32-103	11/17/05	Acceptable
Nitrobenzene-d5	57	31-110	11/17/05	Acceptable
2-Fluorobiphenyl	54	27-120	11/17/05	Acceptable
2,4,6-Tribromophenol	53	29-120	11/17/05	Acceptable
Terphenyl-d14	66	41-137	11/17/05	Acceptable

## † Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank  
 Lab Code: KWG0519345-5  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	1.5	1	11/09/05	11/15/05	KWG0519345	
Aniline	ND	U	0.75	1	11/09/05	11/15/05	KWG0519345	
Bis(2-chloroethyl) Ether	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Phenol	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Chlorophenol	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
1,2-Dichlorobenzene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
1,4-Dichlorobenzene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Benzyl Alcohol	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Bis(2-chloroisopropyl) Ether	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Methylphenol	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
1,2-Dichloroethane	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
N-Nitrosodi-n-propylamine	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Methylphenol†	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Chlorobenzene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Isophorone	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
4-Nitrophenol	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
2,4-Dimethylphenol	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Bis(2-chloroethoxy)methane	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
2,4-Dichlorophenol	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Benzoic Acid	ND	U	1.5	1	11/09/05	11/15/05	KWG0519345	
1,2,4-Trichlorobenzene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
1,3-Dichlorobenzene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Chloroaniline	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Hexachlorobutadiene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
2-Chloro-3-methylphenol	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
1-Methylnaphthalene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Hexachlorocyclopentadiene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
2,4,6-Trichlorophenol	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
2,5-Trichlorophenol	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
2-Chloronaphthalene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
2-Nitroaniline	ND	U	1.5	1	11/09/05	11/15/05	KWG0519345	
1-Naphthylamine	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank  
 Lab Code: KWG0519345-5  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
2,6-Dinitrotoluene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Acenaphthene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
3-Nitroaniline	ND	U	1.5	1	11/09/05	11/15/05	KWG0519345	
2,4-Dinitrophenol	ND	U	1.5	1	11/09/05	11/15/05	KWG0519345	
Dibenzofuran	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
4-Nitrophenol	ND	U	1.5	1	11/09/05	11/15/05	KWG0519345	
2,4-Dinitrotoluene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Fluorene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
4-Chlorophenyl Phenyl Ether	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Diethyl Phthalate	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
4-Nitroaniline	ND	U	1.5	1	11/09/05	11/15/05	KWG0519345	
2-Methyl-4,6-dinitrophenol	ND	U	1.5	1	11/09/05	11/15/05	KWG0519345	
N-Nitrosodiphenylamine	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
4-Bromophenyl Phenyl Ether	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Hexachlorobenzene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Pentachlorophenol	ND	U	1.5	1	11/09/05	11/15/05	KWG0519345	
Phenanthrene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Anthracene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Di-n-butyl Phthalate	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Fluoranthene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Pyrene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Butyl Benzyl Phthalate	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
3,3'-Dichlorobenzidine	ND	U	1.5	1	11/09/05	11/15/05	KWG0519345	
Benz(a)anthracene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Chrysene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Bis(2-ethylhexyl) Phthalate	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Di-n-octyl Phthalate	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Benzo(b)fluoranthene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Benzo(k)fluoranthene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Benzo(a)pyrene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Indeno(1,2,3-cd)pyrene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	
Dibenz(a,h)anthracene	ND	U	0.25	1	11/09/05	11/15/05	KWG0519345	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: NA  
Date Received: NA

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank  
Lab Code: KWG0519345-5  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.25	1	11/09/05	11/15/05	KWG0519345	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorophenol	37	25-94	11/15/05	Acceptable
enol-d6	45	32-103	11/15/05	Acceptable
Nitrobenzene-d5	44	31-110	11/15/05	Acceptable
2-Fluorobiphenyl	49	27-120	11/15/05	Acceptable
1,6-Tribromophenol	53	29-120	11/15/05	Acceptable
rphenyl-d14	100	41-137	11/15/05	Acceptable

## Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank  
 Lab Code: KWG0519346-5  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	1.5	1	11/09/05	11/17/05	KWG0519346	
Aniline	ND	U	0.75	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroethyl) Ether	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Phenol	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
2-Chlorophenol	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
1,3-Dichlorobenzene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
1,4-Dichlorobenzene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
1,2-Dichlorobenzene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Benzyl Alcohol	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroisopropyl) Ether	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
2-Methylphenol	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Hexachloroethane	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
N-Nitrosodi-n-propylamine	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
4-Methylphenol†	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Nitrobenzene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Isophorone	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
2-Nitrophenol	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
2,4-Dimethylphenol	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Bis(2-chloroethoxy)methane	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
2,4-Dichlorophenol	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Benzoic Acid	ND	U	1.5	1	11/09/05	11/17/05	KWG0519346	
1,2,4-Trichlorobenzene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Naphthalene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
4-Chloroaniline	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Hexachlorobutadiene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
4-Chloro-3-methylphenol	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
2-Methylnaphthalene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Hexachlorocyclopentadiene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
2,4,6-Trichlorophenol	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
2,4,5-Trichlorophenol	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
2-Chloronaphthalene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
2-Nitroaniline	ND	U	1.5	1	11/09/05	11/17/05	KWG0519346	
Acenaphthylene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	

Comments: \_\_\_\_\_

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Collected: NA  
 Date Received: NA

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank  
 Lab Code: KWG0519346-5  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dimethyl Phthalate	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
1,5-Dinitrotoluene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Acenaphthene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
2-Nitroaniline	ND	U	1.5	1	11/09/05	11/17/05	KWG0519346	
4-Dinitrophenol	ND	U	1.5	1	11/09/05	11/17/05	KWG0519346	
2-Benzofuran	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
4-Nitrophenol	ND	U	1.5	1	11/09/05	11/17/05	KWG0519346	
1-Dinitrotoluene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
1-Toluene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
4-Chlorophenyl Phenyl Ether	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Diethyl Phthalate	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Nitroaniline	ND	U	1.5	1	11/09/05	11/17/05	KWG0519346	
2-Methyl-4,6-dinitrophenol	ND	U	1.5	1	11/09/05	11/17/05	KWG0519346	
Nitrosodiphenylamine	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
3-Bromophenyl Phenyl Ether	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Hexachlorobenzene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
2,4-Dichlorophenol	ND	U	1.5	1	11/09/05	11/17/05	KWG0519346	
1-Fluorenone	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Anthracene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Di-n-butyl Phthalate	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
1-Fluorenone	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Pyrene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Di-n-butyl Benzyl Phthalate	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
1,3-Dichlorobenzidine	ND	U	1.5	1	11/09/05	11/17/05	KWG0519346	
Benz(a)anthracene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Chrysene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Di(2-ethylhexyl) Phthalate	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Di-n-octyl Phthalate	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Benzo(b)fluoranthene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Benzo(k)fluoranthene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Benzo(a)pyrene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
Indeno(1,2,3-cd)pyrene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	
1-Benz(a,h)anthracene	ND	U	0.25	1	11/09/05	11/17/05	KWG0519346	

Comments:

Client: HDR Engineering  
Project: Myra Road  
Sample Matrix: Soil

Service Request: K0505432  
Date Collected: NA  
Date Received: NA

## Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank  
Lab Code: KWG0519346-5  
Extraction Method: EPA 3541  
Analysis Method: 8270C

Units: mg/Kg  
Basis: Dry  
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(g,h,i)perylene	ND U	0.25	1	11/09/05	11/17/05	KWG0519346	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	55	25-94	11/17/05	Acceptable
Phenol-d6	64	32-103	11/17/05	Acceptable
Nitrobenzene-d5	63	31-110	11/17/05	Acceptable
2-Fluorobiphenyl	58	27-120	11/17/05	Acceptable
2,4,6-Tribromophenol	62	29-120	11/17/05	Acceptable
Terphenyl-d14	87	41-137	11/17/05	Acceptable

## Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432

**Surrogate Recovery Summary**  
**Semi-Volatile Organic Compounds by GC/MS**

Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: PERCENT  
 Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>	<u>Sur4</u>	<u>Sur5</u>	<u>Sur6</u>
I-2	K0505432-031	74	80	94	77	70	41
BH-3	K0505432-032	58	64	79	78	63	48
HH-4	K0505432-033	63	73	78	68	72	35
I-6	K0505432-034	68	77	85	82	73	74
BH-7	K0505432-035	60	68	71	71	70	46
Method Blank	KWG0519265-4	72 D	80 D	79 D	67 D	75 D	97 D
Batch QC	K0505447-001	65 D	74 D	74 D	72 D	77 D	98 D
Batch QCMS	KWG0519265-5	74 D	85 D	85 D	90 D	95 D	92 D
Batch QCDMS	KWG0519265-6	73 D	82 D	83 D	77 D	85 D	64 D
Batch Control Sample	KWG0519265-2	80	88	88	89	102	96

**Surrogate Recovery Control Limits (%)**

Sur1 = 2-Fluorophenol	45-97	Sur5 = 2,4,6-Tribromophenol	56-116
Sur2 = Phenol-d6	45-108	Sur6 = Terphenyl-d14	33-158
Sur3 = Nitrobenzene-d5	47-112		
Sur4 = 2-Fluorobiphenyl	48-103		

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432

**Surrogate Recovery Summary**  
**Semi-Volatile Organic Compounds by GC/MS**

Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: PERCENT  
 Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>	<u>Sur4</u>	<u>Sur5</u>	<u>Sur6</u>
BH1 0-1	K0505432-001	37	47	48	48	53	77
BH1 8-9	K0505432-003	27	34	34	35	40	70
BH-1 14-15	K0505432-004	36	42	40	37	37	59
BH-2 0-1	K0505432-005	35	45	42	45	51	66
BH-2 5-6	K0505432-007	33	39	37	37	43	68
BH2 10-11	K0505432-008	31	40	40	39	43	59
BH-3 0-1	K0505432-009	32	40	39	43	49	66
BH-3 6-7	K0505432-011	39	44	40	40	44	66
BH-3 10-11	K0505432-012	34	42	42	39	51	86
BH-4 0-1	K0505432-013	39	49	50	51	49	68
BH-4 5.5-6.5	K0505432-014	37	47	50	47	52	82
BH-4 9.5-10.5	K0505432-015	26	31 *	30 *	29	28 *	51
BH-5 0-1	K0505432-016	32	40	40	41	43	66
BH-5 10.5-11.5	K0505432-018	33	40	41	39	39	62
BH-6 0-1	K0505432-019	32	41	43	42	52	71
BH-6 7-8	K0505432-020	37	49	48	47	49	69
BH-6 14.5-15.5	K0505432-021	26	32	31	32	34	63
BH-7 0-1	K0505432-022	36	45	46	47	43	75
BH-7 5-6	K0505432-023	37	45	48	48	53	79
BH-7 10-11	K0505432-024	33	37	38	36	35	59
BH-8 0-1	K0505432-025	49	58	60	59	57	67
BH-8 7.5-8.5	K0505432-026	38	46	46	45	43	54
BH-8 14-15	K0505432-027	43	52	53	48	48	60
BH-5 6-7	K0505432-029	50	58	57	54	53	66
Method Blank	KWG0519345-5	37	45	44	49	53	100
Method Blank	KWG0519346-5	55	64	63	58	62	87
Batch QC	K0505571-006	49	59	56	39	56	56
BH1 0-1MS	KWG0519345-1	54	65	66	64	74	74
BH1 0-1DMS	KWG0519345-2	38	47	49	48	52	58
Batch QCMS	KWG0519346-1	62	72	67	50	70	63
Batch QCDMS	KWG0519346-2	51	61	57	40	66	60
Lab Control Sample	KWG0519345-3	52	62	64	63	76	80
Duplicate Lab Control Sample	KWG0519345-4	55	65	66	65	78	75
Lab Control Sample	KWG0519346-3	62	72	69	67	73	78

**Surrogate Recovery Control Limits (%)**

Sur1 = 2-Fluorophenol	25-94	Sur5 = 2,4,6-Tribromophenol	29-120
Sur2 = Phenol-d6	32-103	Sur6 = Terphenyl-d14	41-137
Sur3 = Nitrobenzene-d5	31-110		
Sur4 = 2-Fluorobiphenyl	27-120		

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432

Surrogate Recovery Summary  
 Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: PERCENT  
 Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>	<u>Sur4</u>	<u>Sur5</u>	<u>Sur6</u>
Duplicate Lab Control Sample	KWG0519346-4	60	68	69	66	73	74

## Surrogate Recovery Control Limits (%)

Sur1 = 2-Fluorophenol	25-94	Sur5 = 2,4,6-Tribromophenol	29-120
Sur2 = Phenol-d6	32-103	Sur6 = Terphenyl-d14	41-137
Sur3 = Nitrobenzene-d5	31-110		
Sur4 = 2-Fluorobiphenyl	27-120		

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Ocean water

Service Request: K0505432  
 Date Extracted: 11/07/2005  
 Date Analyzed: 11/14/2005

Matrix Spike/Duplicate Matrix Spike Summary  
 Semi-Volatile Organic Compounds by GC/MS

Sample Name: Batch QC  
 Lab Code: K0505447-001  
 Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low  
 Extraction Lot: KWG0519265

Analyte Name	Sample Result	Batch QCMS KWG0519265-5 Matrix Spike			Batch QCDS KWG0519265-6 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Phenol	ND	88.3	105	84	84.9	105	81	42-103	4	30
2-Chlorophenol	ND	85.5	105	81	84.8	105	81	51-94	1	30
1,4-Dichlorobenzene	ND	78.9	105	75	82.0	105	78	43-87	4	30
N-Nitrosodi-n-propylamine	ND	107	105	101	98.6	105	94	57-107	8	30
1,2,4-Trichlorobenzene	ND	85.3	105	81	83.8	105	80	51-89	2	30
4-Chloro-3-methylphenol	ND	103	105	98	96.1	105	91	61-110	7	30
Acenaphthene	ND	102	105	97 *	92.1	105	87	65-95	11	30
4-Nitrophenol	ND	108	105	103	96.1	105	91	49-119	12	30
2,4-Dinitrotoluene	ND	115	105	109	103	105	98	71-129	11	30
Pentachlorophenol	ND	97.3	105	92	84.8	105	81	62-121	14	30
Pyrene	ND	101	105	96	87.0	105	83	54-105	14	30

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/09/2005  
 Date Analyzed: 11/15/2005

Matrix Spike/Duplicate Matrix Spike Summary  
 Semi-Volatile Organic Compounds by GC/MS

Sample Name: BH1 0-1  
 Lab Code: K0505432-001  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519345

Analyte Name	Sample Result	BH1 0-1MS KWG0519345-1 Matrix Spike			BH1 0-1DMS KWG0519345-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
enol	ND	2.07	3.33	62	1.47	3.33	44	34-104	34	40
2-Chlorophenol	ND	2.06	3.33	62	1.44	3.33	43	34-103	35	40
1,4-Dichlorobenzene	ND	1.96	3.33	59	1.42	3.33	43	32-90	32	40
Nitrosodi-n-propylamine	ND	2.53	3.33	76	1.84	3.33	55	28-127	31	40
1,4-Trichlorobenzene	ND	2.08	3.33	63	1.56	3.33	47	35-98	28	40
4-Chloro-3-methylphenol	ND	2.29	3.33	69	1.67	3.33	50	39-113	32	40
benaphthene	ND	2.35	3.33	71	1.67	3.33	50	31-115	34	40
Nitrophenol	ND	2.21	3.33	66	1.27	3.33	38	29-122	54 *	40
2,4-Dinitrotoluene	ND	2.51	3.33	76	1.89	3.33	57	42-123	28	40
Pentachlorophenol	ND	2.02	3.33	61	1.21	3.33	36	10-119	50 *	40
rene	ND	2.52	3.33	76	1.91	3.33	57	27-126	28	40

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/09/2005  
 Date Analyzed: 11/17/2005

Matrix Spike/Duplicate Matrix Spike Summary  
 Semi-Volatile Organic Compounds by GC/MS

Sample Name: Batch QC  
 Lab Code: K0505571-006  
 Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519346

Analyte Name	Sample Result	Batch QCMS KWG0519346-1 Matrix Spike			Batch QCDMS KWG0519346-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Phenol	ND	3.91	5.75	68	3.21	5.75	56	34-104	20	40
2-Chlorophenol	ND	3.81	5.75	66	3.20	5.75	56	34-103	18	40
1,4-Dichlorobenzene	ND	3.24	5.75	56	2.65	5.75	46	32-90	20	40
N-Nitrosodi-n-propylamine	ND	4.27	5.75	74	3.82	5.75	66	28-127	11	40
1,2,4-Trichlorobenzene	ND	3.17	5.75	55	2.60	5.75	45	35-98	20	40
4-Chloro-3-methylphenol	ND	4.12	5.75	72	3.79	5.75	66	39-113	8	40
Acenaphthene	ND	3.65	5.75	63	2.85	5.75	50	31-115	25	40
4-Nitrophenol	ND	3.64	5.75	63	3.36	5.75	58	29-122	8	40
2,4-Dinitrotoluene	ND	4.09	5.75	71	3.86	5.75	67	42-123	6	40
Pentachlorophenol	ND	3.14	5.75	55	2.81	5.75	49	10-119	11	40
Pyrene	ND	3.44	5.75	60	3.36	5.75	58	27-126	2	40

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Extracted: 11/07/2005  
 Date Analyzed: 11/14/2005

Lab Control Spike Summary  
 Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low  
 Extraction Lot: KWG0519265

Analyte Name	Lab Control Sample KWG0519265-2 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
N-Nitrosodimethylamine	88.8	100	89	45-112
Aniline	71.2	100	71	10-115
Diethyls(2-chloroethyl) Ether	88.1	100	88	52-99
Phenol	85.3	100	85	53-94
2-Chlorophenol	83.7	100	84	53-97
1,3-Dichlorobenzene	81.2	100	81	47-95
1,4-Dichlorobenzene	83.7	100	84	45-92
1,2-Dichlorobenzene	84.9	100	85	49-95
Isobutyl alcohol	90.5	100	90	61-99
Diethyls(2-chloroisopropyl) Ether	89.6	100	90	45-101
2-Methylphenol	91.9	100	92	57-97
Diethylhexachloroethane	85.5	100	85	39-94
N-Nitrosodi-n-propylamine	98.5	100	99	61-106
4-Methylphenol	92.0	100	92	55-98
1-Nitrobenzene	95.9	100	96	58-101
Phorone	103	100	103	72-106
2-Nitrophenol	90.5	100	91	64-104
2,4-Dimethylphenol	82.5	100	82	58-92
Diethyls(2-chloroethoxy)methane	95.7	100	96 *	62-93
2,4-Dichlorophenol	92.4	100	92	64-95
Benzoic acid	65.8	100	66	34-95
1,2,4-Trichlorobenzene	83.2	100	83	53-91
1-Naphthalene	81.9	100	82	50-101
4-Chloroaniline	97.4	100	97	56-102
Hexachlorobutadiene	76.5	100	77	49-94
2-Chloro-3-methylphenol	101	100	101	71-102
1-Methylnaphthalene	86.3	100	86	61-87
Hexachlorocyclopentadiene	36.0	100	36	10-67
1,4,6-Trichlorophenol	101	100	101 *	73-97
1,4,5-Trichlorophenol	103	100	103 *	73-99
2-Chloronaphthalene	88.9	100	89	53-107
Nitroaniline	102	100	102	70-109
1-Naphthylene	99.3	100	99 *	72-97
Dimethyl Phthalate	107	100	107 *	73-98
2,6-Dinitrotoluene	112	100	112	78-113

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Water

Service Request: K0505432  
 Date Extracted: 11/07/2005  
 Date Analyzed: 11/14/2005

**Lab Control Spike Summary**  
**Semi-Volatile Organic Compounds by GC/MS**

Extraction Method: EPA 3520C  
 Analysis Method: 8270C

Units: ug/L  
 Basis: NA  
 Level: Low  
 Extraction Lot: KWG0519265

Analyte Name	Lab Control Sample KWG0519265-2 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
Acenaphthene	99.9	100	100	55-106
3-Nitroaniline	112	100	112	67-114
2,4-Dinitrophenol	96.5	100	97	56-116
Dibenzofuran	102	100	102 *	68-92
4-Nitrophenol	104	100	104	56-115
2,4-Dinitrotoluene	108	100	108	76-125
Fluorene	106	100	106	57-109
4-Chlorophenyl Phenyl Ether	105	100	105 *	69-96
Diethyl Phthalate	108	100	108	59-117
4-Nitroaniline	109	100	109	62-118
2-Methyl-4,6-dinitrophenol	107	100	107	67-111
N-Nitrosodiphenylamine	113	100	113 *	72-107
4-Bromophenyl Phenyl Ether	98.6	100	99	71-104
Hexachlorobenzene	100	100	100	58-115
Pentachlorophenol	93.0	100	93	65-112
Phenanthrene	99.1	100	99 *	68-96
Anthracene	101	100	101	57-112
Di-n-butyl Phthalate	104	100	104	61-120
Fluoranthene	97.5	100	97	54-113
Pyrene	98.6	100	99	53-112
Butyl Benzyl Phthalate	101	100	101	74-105
3,3'-Dichlorobenzidine	102	100	102	37-117
Benz(a)anthracene	113	100	113 *	69-102
Chrysene	105	100	105	54-111
Bis(2-ethylhexyl) Phthalate	101	100	101	73-114
Di-n-octyl Phthalate	109	100	109	71-120
Benzo(b)fluoranthene	106	100	106 *	70-103
Benzo(k)fluoranthene	107	100	107 *	70-102
Benzo(a)pyrene	102	100	102	68-102
Indeno(1,2,3-cd)pyrene	103	100	103	50-117
Dibenz(a,h)anthracene	113	100	113	62-118
Benzo(g,h,i)perylene	103	100	103	63-110

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.



Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/09/2005  
 Date Analyzed: 11/15/2005

Lab Control Spike/Duplicate Lab Control Spike Summary  
 Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519345

Analyte Name	Lab Control Sample KWG0519345-3 Lab Control Spike			Duplicate Lab Control Sample KWG0519345-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
N-Nitrosodimethylamine	1.96	3.33	59	1.97	3.33	59	43-96	1	40
Aniline	1.51	3.33	45	1.68	3.33	51	39-82	11	40
Diethyl (2-chloroethyl) Ether	2.19	3.33	66	2.25	3.33	68	48-90	3	40
Phenol	2.02	3.33	61	2.12	3.33	64	50-90	5	40
o-Chlorophenol	1.99	3.33	60	2.08	3.33	62	51-90	5	40
1,2-Dichlorobenzene	1.96	3.33	59	2.02	3.33	61	50-87	3	40
1,4-Dichlorobenzene	1.97	3.33	59	2.03	3.33	61	47-85	3	40
1,2-Dichlorobenzene	2.07	3.33	62	2.03	3.33	61	51-89	2	40
n-Propyl Alcohol	2.14	3.33	64	2.10	3.33	63	45-97	2	40
Diethyl (2-chloroisopropyl) Ether	2.28	3.33	68	2.37	3.33	71	40-96	4	40
2-Methylphenol	2.12	3.33	64	2.13	3.33	64	49-92	0	40
1,2-Dichloroethane	2.08	3.33	62	2.14	3.33	64	51-90	3	40
Nitrosodi-n-propylamine	2.48	3.33	74	2.48	3.33	74	49-104	0	40
4-Methylphenol	2.19	3.33	66	2.20	3.33	66	49-91	0	40
Nitrobenzene	2.21	3.33	66	2.34	3.33	70	43-98	5	40
Phorone	2.58	3.33	77	2.58	3.33	77	54-107	0	40
2-Nitrophenol	2.09	3.33	63	2.20	3.33	66	46-105	5	40
2,4-Dimethylphenol	1.55	3.33	46	1.79	3.33	54	35-92	14	40
Diethyl (2-chloroethoxy)methane	2.35	3.33	70	2.23	3.33	67	49-94	5	40
1,2-Dichlorophenol	2.09	3.33	63	2.12	3.33	64	52-96	2	40
Benzoic Acid	0.415	3.33	12	0.776	3.33	23	10-105	61 *	40
1,2,4-Trichlorobenzene	2.05	3.33	61	2.15	3.33	65	49-90	5	40
Phthalene	2.10	3.33	63	2.10	3.33	63	51-90	0	40
4-Chloroaniline	2.11	3.33	63	2.18	3.33	65	54-94	3	40
Hexachlorobutadiene	1.97	3.33	59	2.05	3.33	61	49-92	4	40
Chloro-3-methylphenol	2.27	3.33	68	2.32	3.33	70	54-104	2	40
1-Methylnaphthalene	2.16	3.33	65	2.23	3.33	67	51-92	3	40
Hexachlorocyclopentadiene	1.89	3.33	57	1.98	3.33	59	25-90	4	40
1,6-Trichlorophenol	2.25	3.33	67	2.24	3.33	67	57-100	0	40
1,5-Trichlorophenol	2.19	3.33	66	2.41	3.33	72	58-102	10	40
2-Chloronaphthalene	2.03	3.33	61	2.25	3.33	68	52-92	10	40
o-Nitroaniline	2.61	3.33	78	2.51	3.33	75	55-107	4	40
1-Naphthylene	2.37	3.33	71	2.47	3.33	74	61-104	4	40
Dimethyl Phthalate	2.60	3.33	78	2.63	3.33	79	56-106	1	40
2,6-Dinitrotoluene	2.65	3.33	79	2.79	3.33	84	57-107	5	40

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/09/2005  
 Date Analyzed: 11/15/2005

Lab Control Spike/Duplicate Lab Control Spike Summary  
 Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519345

Analyte Name	Lab Control Sample KWG0519345-3 Lab Control Spike			Duplicate Lab Control Sample KWG0519345-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Acenaphthene	2.31	3.33	69	2.35	3.33	70	56-96	2	40
3-Nitroaniline	2.57	3.33	77	2.49	3.33	75	54-111	3	40
2,4-Dinitrophenol	1.80	3.33	54	1.88	3.33	56	33-112	5	40
Dibenzofuran	2.40	3.33	72	2.41	3.33	72	59-97	0	40
4-Nitrophenol	2.51	3.33	75	2.28	3.33	68	44-114	10	40
2,4-Dinitrotoluene	2.91	3.33	87	2.68	3.33	80	55-116	8	40
Fluorene	2.48	3.33	74	2.47	3.33	74	58-101	1	40
4-Chlorophenyl Phenyl Ether	2.42	3.33	73	2.56	3.33	77	49-105	6	40
Diethyl Phthalate	2.99	3.33	90	2.70	3.33	81	51-116	10	40
4-Nitroaniline	2.66	3.33	80	2.43	3.33	73	41-119	9	40
2-Methyl-4,6-dinitrophenol	2.62	3.33	79	2.41	3.33	72	44-111	8	40
N-Nitrosodiphenylamine	2.78	3.33	84	2.78	3.33	84	55-118	0	40
4-Bromophenyl Phenyl Ether	2.51	3.33	75	2.52	3.33	76	57-99	0	40
Hexachlorobenzene	2.70	3.33	81	2.58	3.33	77	58-102	5	40
Pentachlorophenol	2.35	3.33	70	2.24	3.33	67	46-104	5	40
Phenanthrene	2.72	3.33	82	2.53	3.33	76	58-98	7	40
Anthracene	2.73	3.33	82	2.69	3.33	81	62-101	1	40
Di-n-butyl Phthalate	2.94	3.33	88	2.78	3.33	83	51-112	6	40
Fluoranthene	2.78	3.33	84	2.45	3.33	74	54-104	13	40
Pyrene	2.70	3.33	81	2.53	3.33	76	54-101	7	40
Butyl Benzyl Phthalate	2.86	3.33	86	2.62	3.33	79	59-108	9	40
3,3'-Dichlorobenzidine	2.48	3.33	74	2.41	3.33	72	53-110	3	40
Benz(a)anthracene	3.00	3.33	90	2.80	3.33	84	63-104	7	40
Chrysene	2.77	3.33	83	2.63	3.33	79	61-105	5	40
Bis(2-ethylhexyl) Phthalate	2.87	3.33	86	2.69	3.33	81	59-111	7	40
Di-n-octyl Phthalate	3.02	3.33	91	2.82	3.33	84	57-111	7	40
Benzo(b)fluoranthene	2.88	3.33	87	2.63	3.33	79	60-104	9	40
Benzo(k)fluoranthene	2.96	3.33	89	2.72	3.33	82	64-105	8	40
Benzo(a)pyrene	2.89	3.33	87	2.72	3.33	82	59-113	6	40
Indeno(1,2,3-cd)pyrene	2.92	3.33	88	2.69	3.33	81	47-118	8	40
Dibenz(a,h)anthracene	3.07	3.33	92	2.86	3.33	86	52-115	7	40
Benzo(g,h,i)perylene	2.94	3.33	88	2.70	3.33	81	34-125	8	40

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/09/2005  
 Date Analyzed: 11/17/2005

Lab Control Spike/Duplicate Lab Control Spike Summary  
 Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519346

Analyte Name	Lab Control Sample KWG0519346-3 Lab Control Spike			Duplicate Lab Control Sample KWG0519346-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
N-Nitrosodimethylamine	2.26	3.33	68	2.08	3.33	62	43-96	8	40
Aniline	1.70	3.33	51	1.64	3.33	49	39-82	3	40
Diethyl (2-chloroethyl) Ether	2.43	3.33	73	2.24	3.33	67	48-90	8	40
Phenol	2.32	3.33	70	2.01	3.33	60	50-90	14	40
o-Chlorophenol	2.31	3.33	69	2.07	3.33	62	51-90	11	40
1,3-Dichlorobenzene	2.22	3.33	67	2.08	3.33	62	50-87	7	40
1,4-Dichlorobenzene	2.21	3.33	66	2.08	3.33	62	47-85	6	40
1,2-Dichlorobenzene	2.23	3.33	67	2.13	3.33	64	51-89	5	40
Isobutyl Alcohol	2.26	3.33	68	2.10	3.33	63	45-97	7	40
Diethyl (2-chloroisopropyl) Ether	2.51	3.33	75	2.31	3.33	69	40-96	8	40
2-Methylphenol	2.24	3.33	67	2.10	3.33	63	49-92	7	40
Hexachloroethane	2.36	3.33	71	2.22	3.33	67	51-90	6	40
N-Nitrosodi-n-propylamine	2.67	3.33	80	2.45	3.33	73	49-104	9	40
4-Methylphenol	2.33	3.33	70	2.29	3.33	69	49-91	2	40
Nitrobenzene	2.37	3.33	71	2.22	3.33	66	43-98	7	40
Chlorophenone	2.75	3.33	82	2.47	3.33	74	54-107	11	40
2-Nitrophenol	2.34	3.33	70	2.06	3.33	62	46-105	13	40
2,4-Dimethylphenol	1.75	3.33	52	1.88	3.33	56	35-92	7	40
Diethyl (2-chloroethoxy)methane	2.42	3.33	73	2.23	3.33	67	49-94	8	40
4-Dichlorophenol	2.26	3.33	68	2.07	3.33	62	52-96	9	40
Benzoic Acid	1.08	3.33	32	1.16	3.33	35	10-105	8	40
1,2,4-Trichlorobenzene	2.30	3.33	69	2.08	3.33	62	49-90	10	40
1-Naphthalene	2.31	3.33	69	2.01	3.33	60	51-90	14	40
4-Chloroaniline	2.17	3.33	65	2.14	3.33	64	54-94	1	40
Hexachlorobutadiene	2.24	3.33	67	2.00	3.33	60	49-92	11	40
2-Chloro-3-methylphenol	2.40	3.33	72	2.17	3.33	65	54-104	10	40
1-Methylnaphthalene	2.42	3.33	73	2.09	3.33	63	51-92	14	40
Hexachlorocyclopentadiene	2.45	3.33	73	2.10	3.33	63	25-90	15	40
4,6-Trichlorophenol	2.26	3.33	68	2.21	3.33	66	57-100	2	40
4,5-Trichlorophenol	2.40	3.33	72	2.08	3.33	62	58-102	15	40
2-Chloronaphthalene	2.31	3.33	69	1.95	3.33	59	52-92	17	40
o-Nitroaniline	2.45	3.33	74	2.38	3.33	71	55-107	3	40
1-Naphthylthylene	2.52	3.33	76	2.22	3.33	67	61-104	13	40
1,1-Dimethyl Phthalate	2.54	3.33	76	2.32	3.33	69	56-106	9	40
2,6-Dinitrotoluene	2.60	3.33	78	2.32	3.33	70	57-107	11	40

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: HDR Engineering  
 Project: Myra Road  
 Sample Matrix: Soil

Service Request: K0505432  
 Date Extracted: 11/09/2005  
 Date Analyzed: 11/17/2005

Lab Control Spike/Duplicate Lab Control Spike Summary  
 Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541  
 Analysis Method: 8270C

Units: mg/Kg  
 Basis: Dry  
 Level: Low  
 Extraction Lot: KWG0519346

Analyte Name	Lab Control Sample KWG0519346-3 Lab Control Spike			Duplicate Lab Control Sample KWG0519346-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Acenaphthene	2.34	3.33	70	2.22	3.33	67	56-96	5	40
3-Nitroaniline	2.52	3.33	76	2.23	3.33	67	54-111	12	40
2,4-Dinitrophenol	2.08	3.33	62	1.96	3.33	59	33-112	6	40
Dibenzofuran	2.46	3.33	74	2.29	3.33	69	59-97	7	40
4-Nitrophenol	2.20	3.33	66	2.07	3.33	62	44-114	6	40
2,4-Dinitrotoluene	2.56	3.33	77	2.51	3.33	75	55-116	2	40
Fluorene	2.40	3.33	72	2.28	3.33	68	58-101	5	40
4-Chlorophenyl Phenyl Ether	2.53	3.33	76	2.26	3.33	68	49-105	12	40
Diethyl Phthalate	2.59	3.33	78	2.53	3.33	76	51-116	2	40
4-Nitroaniline	2.34	3.33	70	2.17	3.33	65	41-119	8	40
2-Methyl-4,6-dinitrophenol	2.39	3.33	72	2.33	3.33	70	44-111	3	40
N-Nitrosodiphenylamine	2.73	3.33	82	2.45	3.33	74	55-118	11	40
4-Bromophenyl Phenyl Ether	2.51	3.33	75	2.23	3.33	67	57-99	12	40
Hexachlorobenzene	2.48	3.33	74	2.32	3.33	69	58-102	7	40
Pentachlorophenol	2.27	3.33	68	2.10	3.33	63	46-104	8	40
Phenanthrene	2.59	3.33	78	2.37	3.33	71	58-98	9	40
Anthracene	2.61	3.33	78	2.30	3.33	69	62-101	13	40
Di-n-butyl Phthalate	2.82	3.33	85	2.48	3.33	75	51-112	13	40
Fluoranthene	2.49	3.33	75	2.40	3.33	72	54-104	3	40
Pyrene	2.52	3.33	76	2.30	3.33	69	54-101	9	40
Butyl Benzyl Phthalate	2.67	3.33	80	2.34	3.33	70	59-108	13	40
3,3'-Dichlorobenzidine	2.27	3.33	68	2.12	3.33	64	53-110	7	40
Benz(a)anthracene	2.74	3.33	82	2.54	3.33	76	63-104	8	40
Chrysene	2.57	3.33	77	2.40	3.33	72	61-105	7	40
Bis(2-ethylhexyl) Phthalate	2.59	3.33	78	2.38	3.33	71	59-111	9	40
Di-n-octyl Phthalate	2.79	3.33	84	2.56	3.33	77	57-111	8	40
Benzo(b)fluoranthene	2.50	3.33	75	2.37	3.33	71	60-104	5	40
Benzo(k)fluoranthene	2.81	3.33	84	2.46	3.33	74	64-105	13	40
Benzo(a)pyrene	2.64	3.33	79	2.49	3.33	75	59-113	6	40
Indeno(1,2,3-cd)pyrene	2.63	3.33	79	2.42	3.33	73	47-118	8	40
Dibenz(a,h)anthracene	2.76	3.33	83	2.58	3.33	77	52-115	7	40
Benzo(g,h,i)perylene	2.67	3.33	80	2.41	3.33	72	34-125	10	40

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.