



**KERAMIDA**  
ENVIRONMENTAL, INC.  
ENGINEERING • CONSULTING • REMEDIATION  
AIR • LAND • WATER • WASTE


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**SOIL REMEDIATION COMPLETION REPORT  
STUDEBAKER/OLIVER REDEVELOPMENT PROJECT  
AREA A STAMPING PLANT PROPERTY  
601 WEST BROADWAY  
SOUTH BEND, INDIANA  
KERAMIDA PROJECT NO. 10588**

Submitted to: **INDIANA DEVELOPMENT FINANCE AUTHORITY**  
Mr. Calvin Kelly  
Deputy Director  
One North Capitol, Suite 900  
Indianapolis, Indiana 46204-2226

Submitted for: **CITY OF SOUTH BEND**  
Economic Development Department  
Mr. Andy Laurent  
227 West Jefferson Street, Suite 1200  
South Bend, Indiana 46601

Submitted by: **KERAMIDA ENVIRONMENTAL, INC.**  
330 North College Avenue  
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Vice President of Investigation and Remediation Services

May 4, 2005

*Setting The Standard of Excellence*

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ENGINEERS • HYDROGEOLOGISTS • SCIENTISTS • INDUSTRIAL HYGIENISTS • TOXICOLOGISTS  
HEADQUARTERS: INDIANAPOLIS, IN • OFFICES IN: COLUMBUS, OH • CINCINNATI, OH • SACRAMENTO, CA

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May 4, 2005

## EXECUTIVE SUMMARY

KERAMIDA Environmental, Inc. (KERAMIDA) completed the excavation, disposal and risk assessment of petroleum contaminated soil located in the Area A Stamping Plant Property of the Studebaker/Oliver Redevelopment Project at 601 West Broadway in South Bend, Indiana (Site). The soil excavation and removal was conducted from February 8 to 11, 2005 for the City of South Bend, Economic Development Department. The purpose of the Site activities was to remediate petroleum hydrocarbon (TPH) occurrence in the soil located on the east side of Building 93. Soil from 4 to 5 feet was removed in an attempt to reach TPH concentrations below the Indiana Department of Environmental Management (IDEM) Leaking Underground Storage Tank (LUST) Cleanup Goals. A total of 669.5 cubic yards of petroleum contaminated soil was removed from the Site and disposed.

Twenty-three confirmatory soil samples plus requisite quality assurance/quality control samples were collected from the excavation pit along the north, east and south walls and the bottom of the excavation. The samples were submitted for analysis of total petroleum hydrocarbon – diesel range organics (TPH-DRO) and TPH-extended range organics (TPH-ERO). Additional material was collected in separate containers at each sampling location for potential analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) and the polynuclear aromatic hydrocarbons (PAHs). These samples for potential analysis were collected to be able to do a risk assessment at locations where TPH values exceeded the LUST Cleanup Goals.

All of the confirmation samples collected from the bottom of the Area A excavation met the closure level of 100 mg/kg for TPH. Six (6) of the eleven (11) wall samples had TPH concentrations exceeding the closure level. Subsequent analysis for the RISC TPH compounds of concern, namely BTEX and PAHs, met the RISC Default Commercial/ Industrial Closure Level for Subsurface Soil. As there is no threat of direct contact with the remaining soil, KERAMIDA believes no further remedial action is necessary at Area A to protect human health and the environment in a Commercial/Industrial land use setting.

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Figure 3	Excavation Confirmatory Soil Sample Location Map

## ATTACHMENTS

- 1 Photographs of Area A Excavation Activities
- 2 Waste Disposal Documentation
- 3 Analytical Reports and Chain-of-Custody Documentation

**SOIL REMEDIATION COMPLETION REPORT  
STUDEBAKER/OLIVER REDEVELOPMENT PROJECT  
AREA A STAMPING PLANT PROPERTY  
601 WEST BROADWAY  
SOUTH BEND, INDIANA  
KERAMIDA PROJECT NO. 10588**

**1.0 INTRODUCTION**

KERAMIDA Environmental, Inc. (KERAMIDA) completed the excavation, disposal and risk assessment of petroleum contaminated soil located in the Area A Stamping Plant Property of the Studebaker/Oliver Redevelopment Project at 601 West Broadway in South Bend, Indiana (Site) shown on Figure 1. The remediation of the soil was performed under the Petroleum Remediation Grant Incentive (PRGI) Program. Soil excavation and removal was conducted from February 8 to 11, 2005 for the City of South Bend, Economic Development Department. The purpose of the Site activities was to remediate petroleum hydrocarbon (TPH) occurrence in the soil on the east side of Building 93. Soil from 4 to 5 feet was removed in an attempt to reach TPH concentrations below the Indiana Department of Environmental Management (IDEM) Leaking Underground Storage Tank (LUST) Cleanup Goal of 100 mg/kg. A total of 669.5 cubic yards of petroleum contaminated soil was removed from the Site and disposed. This report documents the activities and findings of the excavation and disposal of petroleum-impacted soil and follow up confirmation sampling.

**1.1 SITE DESCRIPTION**

The former Studebaker Stamping Plant is located on approximately 39 acres of property in downtown South Bend. The Site has been a commercial/industrial facility since the 1870's when it was used as a lumber yard by Studebaker Corporation. In the 1920's, a major expansion of the Site occurred to perform the integrated production of automobiles. The part of the plant in the remediation area was utilized for metal stampings, painting, assembly and shipping. The Stamping Plant contains approximately 1.4 million square feet of industrial buildings.

The Site is part of a larger redevelopment area in downtown South Bend. The area has been designated a Brownfields Revitalization Zone. The area is essentially vacant. The Site lies within a Wellhead Protection Area.

## 1.2 CONTAMINANT OCCURRENCE

A Phase I Environmental Site Assessment was completed for the entire South Bend redevelopment area properties. From the findings of this Phase I, initial Phase II Environmental Site Assessments were completed for properties within this larger area, including the Site. During this additional investigation, semi-volatile organic compounds (SVOCs), volatile organic compounds (VOCs), lead and other metals were found in soil and groundwater at numerous sampling locations throughout the Redevelopment Area in addition to the petroleum hydrocarbon contamination addressed in this report.

The remediation area defined in the Hull and Associates *Additional Phase II Environmental Site Assessment Activities Former South Bend Stamping Property* report consisted of a rectangular area approximately 90 feet north-south and 35 feet east-west on the east side of Building 93. The area is concrete paved and formerly was a rail spur for railroad car movement. The boundaries and depth of the remediation area were approximated on the basis of results of previous investigations conducted by Hull and Associates as noted above.

## 2.0 CLEANUP CRITERIA

The cleanup objectives for on-Site petroleum hydrocarbon contamination in soil are the IDEM LUST Cleanup Goal of 100 mg/kg TPH. At sample locations where the 100 mg/kg Cleanup Goal cannot be achieved, comparison of analytical results for Compounds of Concern (COCs) in a hydrocarbon release (BTEX and PAHs) are to be compared to the RISC Default Industrial Closure Levels that provide a representation of the level of environmental impairment relative to the planned non-residential land use for the Site. RISC is an agency-wide, non-rule policy for investigating and obtaining regulatory closure for sites using risk-based cleanup objectives. RISC Default Closure Levels have been developed for residential and industrial land use scenarios.

## 3.0 SCOPE OF WORK

The estimated volume of soil to be removed during the project was 500 cubic yards. The area planned for excavation was determined on the basis of previous investigations. Beginning in the area of soil boring SB-29, impacted soils were to be excavated down to a depth of five feet below ground surface (bgs) and laterally, until field observations indicated the end of impacted soils or

until the maximum amount (500 cubic yards) of soil was excavated. The location of SB-29 was to be identified in the field based on the Hull & Associates, Inc. Soil Boring Location Map.

Prior to backfilling, confirmation soil samples were to be collected from the bottom and walls of the excavation. The samples will be collected at a rate of one sample per 20 linear feet of wall and one per 400 square feet of bottom. The samples will be analyzed for Site-specific petroleum hydrocarbon chemicals of concern (COC) including TPH-DRO; TPH-extended range organics (TPH-ERO); benzene, toluene, ethylbenzene, and xylene (BTEX); and polynuclear aromatic hydrocarbons (PAHs). Data quality is to meet the LUST Minimum data Quality Objectives (DQO) established for closure and RISC assessment activities.

#### 4.0 EXCAVATION ACTIVITIES

KERAMIDA supervised the removal and disposal of petroleum-impacted soil and collected confirmatory soil samples from the excavation at the Site between February 8 and 11, 2005. The soil removal and disposal activities were performed by Hoosier Equipment Service, Inc. of Indianapolis, Indiana, under the direct supervision of Mr. Rob Hoverman, Project Scientist with KERAMIDA. Prior to the initiation of the field activities, KERAMIDA notified the Indiana Underground Plant Protection Service (IUPPS) to mark the underground utilities at the Site. A Site safety meeting was performed at the beginning of field activities.

The concrete overlying Area A was broken up by the excavator and stockpiled to the side of the remediation area. Excavation of petroleum impacted soil commenced near the center of Area A at boring SB-29 as indicated on the reprint of a Hull & Associates, Inc. figure presented as Figure 2. The impacted soil was stained dark gray to black and the contact with the underlying yellowish brown sand was sharp. Excavation of impacted soil expanded to the north, south, east and west of this initial excavation location.

KERAMIDA and the on-Site City of South Bend representative determined through field observations that the impacted soil extended a considerable distance south of the anticipated area of impact. The excavation also advanced west and abutted up to the foundation of Building 93. A total of 903.8 tons (669.5 cubic yards) of petroleum-impacted soil was removed from the ground using an excavator and transported off-Site to Prairie View RDF located in St. Joseph

County, Indiana. The completed excavation was 120 feet in the north-south direction and ranged from 15 to 36 feet in the east-west direction. The depth was between four (4) and five (5) feet below grade. Photographs of the excavation "in progress" are presented in Attachment 1. At the conclusion of excavation activities, some discolored soil was still present in the walls of the excavation. The discolored soil occurred as a discontinuous black seam between one (1) and three (3) feet below the surface. Following soil removal and confirmatory sampling activities, the excavation was brought to grade by backfilling with clean sand and gravel. Soil disposal documentation is provided in Attachment 2.

### 5.0 CONFIRMATORY SOIL SAMPLING

A total of eleven confirmatory soil samples were collected from the north, east and south excavation walls and twelve (12) from the bottom of the excavation. Three (3) duplicate soil samples were collected for QA/QC purposes. Confirmatory soil samples were not collected from the west wall of the excavation as the excavation terminated against the foundation of Building 93.

The discolored soil produced no organic vapor response above background. As a result, confirmation samples were collected from the walls of the excavation based on the presence of discoloration. As noted above, the discolored soil was present as a discontinuous seam between one and three feet below grade. Where the seam was not present at a wall sampling location, the confirmation sample was collected from the same depth as the nearest discolored interval.

The confirmation samples were collected directly from the exposed wall face or excavation bottom by Mr. Hoverman using hands gloved with disposable nitrile gloves. New gloves were used for each individual sample collected. Confirmation soil sampling procedures followed the IDEM *Underground Storage Tank Guidance Manual* (November 1995). Samples were collected at twenty (20) foot intervals from the walls and from each twenty by twenty foot area of the excavation bottom. Samples were submitted to Heritage Environmental Services, LLC Commercial Laboratory Operations (HES CLO) for analysis of TPH-DRO, TPH-ERO and BTEX and PAHs where the 100 mg/kg TPH Cleanup Goal was not achieved.



Sample S-8 was collected from the north wall of the excavation. Based on field evaluation, the north end of the excavation was extended further north, the wall materials at the S-8 location being removed and disposed. As a result, sample S-8 was not submitted for analysis so there are no S-8 analytical results in Tables 1 and 2.

### **5.1 TPH CONFIRMATORY SOIL SAMPLING RESULTS**

Closure confirmation soil sampling for TPH adhered to the IDEM's *Underground Storage Tank (UST) Guidance Manual* (November 1995). The results were compared to the IDEM LUST Cleanup Goals for TPH. Sample preparation for the DRO analysis was the DRO Accelerated Solvent Extraction by SW846-3545, with analysis by SW846-8015B (DRO by GC/FID) and ERO was analyzed by SW846-8015B (ERO by GC/FID).

Soil analytical results for TPH (DRO and ERO) are summarized in Table 1. LUST Cleanup Goals for TPH are provided at the right side of the table for comparison with the detected concentrations. Confirmatory sample locations are depicted on Figure 3. Soil laboratory analytical reports, quality assurance/quality control data, and chain-of-custody documentation are provided in Attachment 3.

As shown in Table 1, six confirmation soil samples and one sample duplicate had concentrations of TPH above the LUST Cleanup Goal of 100 mg/kg. All of the samples that exceeded the 100 mg/kg TPH Cleanup Goal were located on the walls of the excavation between one and three feet below grade. All of the bottom sample concentrations were less than 100 mg/kg and there was no discolored soil in the surface interval (0 to 6 inches depth).

### **5.2 RISC SAMPLE RESULTS AND EVALUATION**

The soil samples that exceeded the 100 mg/kg TPH Cleanup Goal S-9, S-10, S-11 and S-19 at the north end of the excavation adjacent to a manhole, and S-22, S-23 and S-24 Duplicate at the south end and southwest corner of the excavation. The analysis for BTEX was performed by Method SW846-8260B (Purgeable aromatics by GC/MS) and PAHs by Method SW846-8270C (Semi-volatile organics (base/neutral fractions)) following sample preparation by SW846-3550A (GC/MS sonication extraction for organics).

Analytic results for the RISC compounds of concern BTEX and the PAHs are presented in Table 2. No BTEX compounds were detected in any of the samples. The analytical detection limits for the BTEX compounds (0.0050 mg/kg) are well below the RISC Default Residential Closure Levels for soil.

The ERO results for the respective samples are presented at the top of the Parameter section in each sample result column. As can be seen, a high ERO concentration does not always correspond to high PAH concentrations. Of the PAH concentrations reported, the benzo(a)-pyrene concentrations in S-19 and S-22, 1.6 and 2.2 mg/kg, respectively, exceed the RISC Default Commercial/Industrial Closure Level for surface soil of 1.5 mg/kg. Also, the reported detection limit for dibenzo(a,h)anthracene is S-22 exceeds the 1.5 mg/kg Default Commercial/Industrial Closure Level for that compound for surface soils. These concentrations are indicated in boldface on Table 2. However, as noted in section 5.1, these samples were all collected below the surface soil depth interval of zero (0) to six (6) inches. The Default Closure Levels for benzo(a)pyrene and dibenzo(a,h)anthracene are based on direct contact. As the S-19 and S-22 samples were collected below the depth of twelve (12) inches, the Subsurface Soil Default Closure Levels of 16 mg/kg for benzo(a)pyrene and 60 mg/kg for dibenzo(a,h)anthracene are applicable.

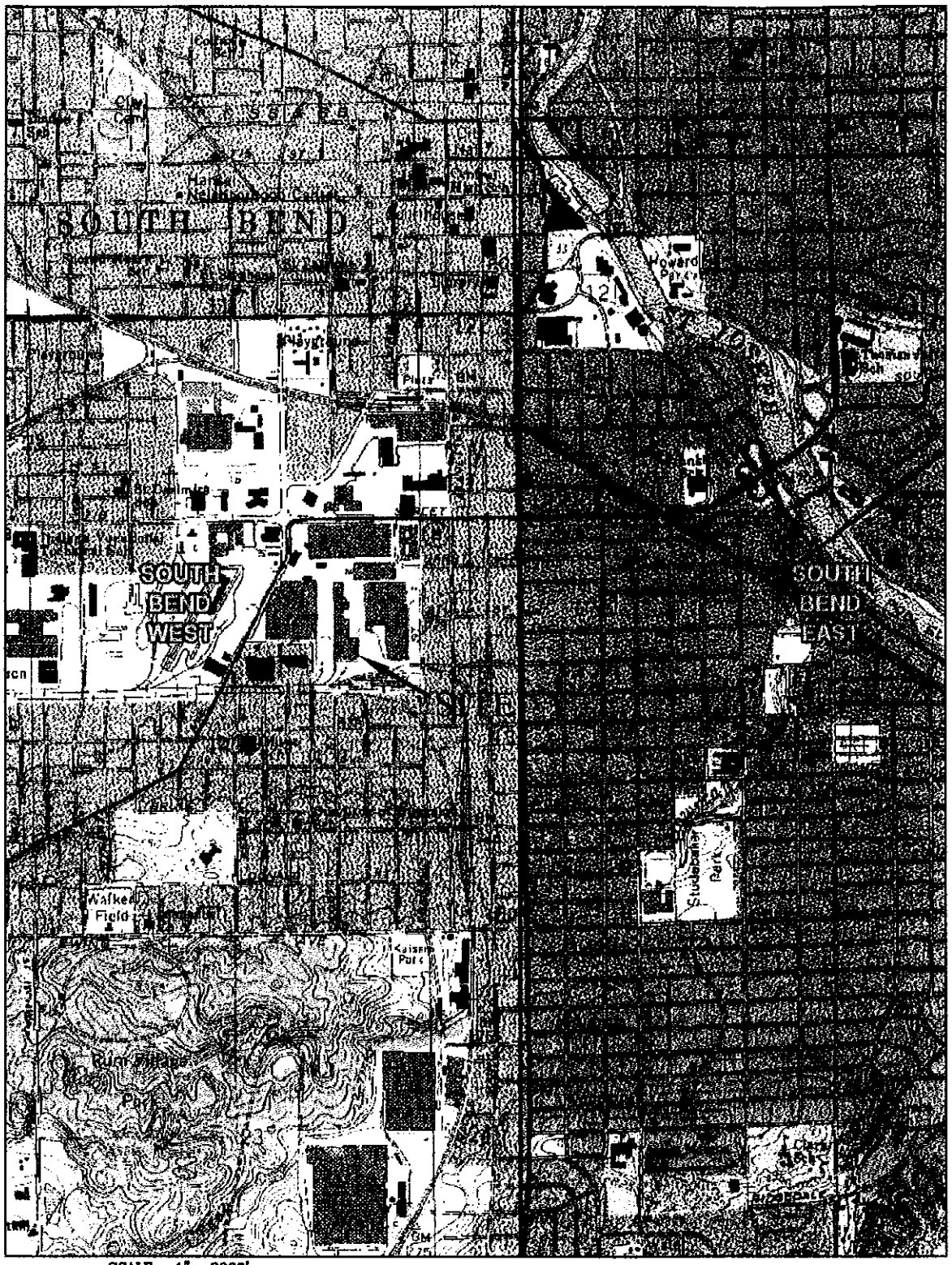
## 6.0 CONCLUSIONS AND RECOMMENDATIONS

All of the confirmation samples collected from the bottom of the Area A excavation met the IDEMs closure level of 100 mg/kg for TPH. Six (6) of the eleven (11) wall samples had TPH concentrations exceeding the 100 mg/kg TPH closure level. Subsequent analysis for the RISC TPH compounds of concern, BTEX and PAHs, met the RISC Default Commercial/Industrial Closure Level for Subsurface Soil. As there is no threat of direct contact with the remaining TPH, KERAMIDA believes no further remedial action is necessary at Area A to protect human health and the environment in a Commercial/Industrial land use setting.

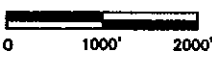
## 7.0 REFERENCES

Indiana Department of Environmental Management (IDEM), RISC Technical Resource Guidance Document – February 15, 2001.

Indiana Department of Environmental Management (IDEM), Underground Storage Tank Branch, Underground Storage Tank Branch Guidance Manual – November 1995.



SCALE: 1" = 2000'



REF: USGS 7.5 MINUTE SERIES  
INDIANA-SOUTH BEND QUADRANGLE



Project: Studebaker Redevelopment Project  
Stamping Plant Property  
Area A

Scale: 1" = 2000'	Drawn By: BCT
Project Number: 10588	Approved By:
Date: May 3, 2005	File No. 10588 FIG 1

Figure 1  
Site Location Map

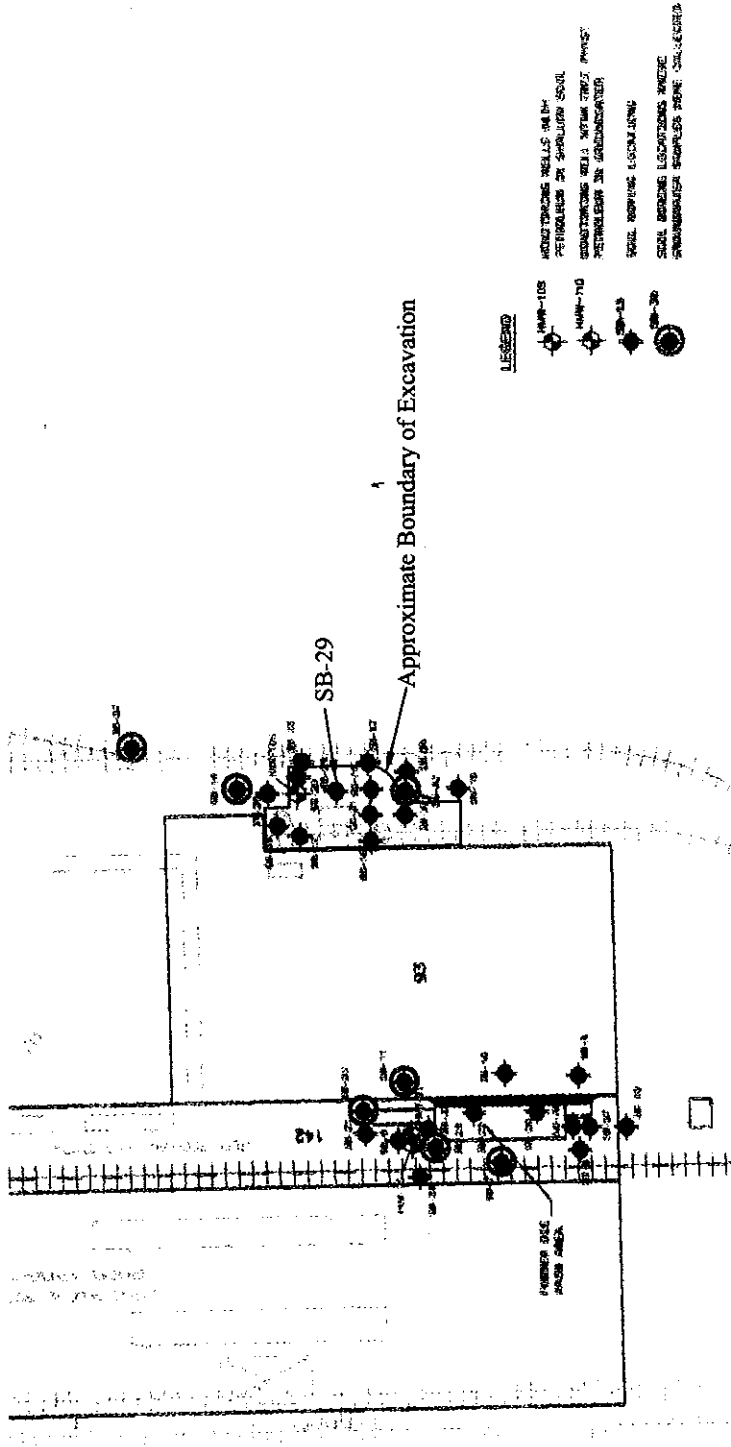


Figure 2  
Stamping Plant Area A  
Remediation Location

Project: South Bend Community & Economic  
Studebaker/Oliver Redevelopment  
Area A, Stamping Plant Property

Approx. Scale: 1" = 60'	Drawn By: J.CLARK
Project Number: 10588	Approved By: BEW
Date: May 4, 2005	File No. 10588Fig2



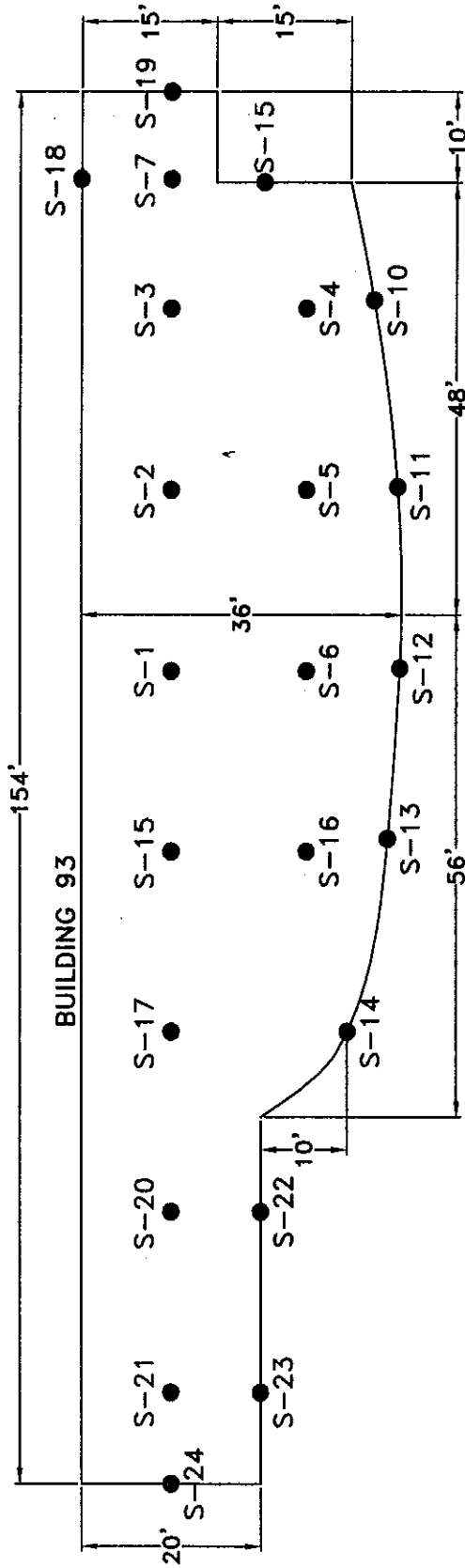


Figure 3

Excavation Sample Locations  
(See Table for TPH Results)

Project: South Bend Community & Economic  
Studebaker/Oliver Redevelopment  
Area A, Stamping Plant Property

Scale:	1" = 20'	Drawn By:	J. CLARK
Project Number:	10588	Approved By:	BEW
Date:	April 27, 2005	File No.	10588Fig3



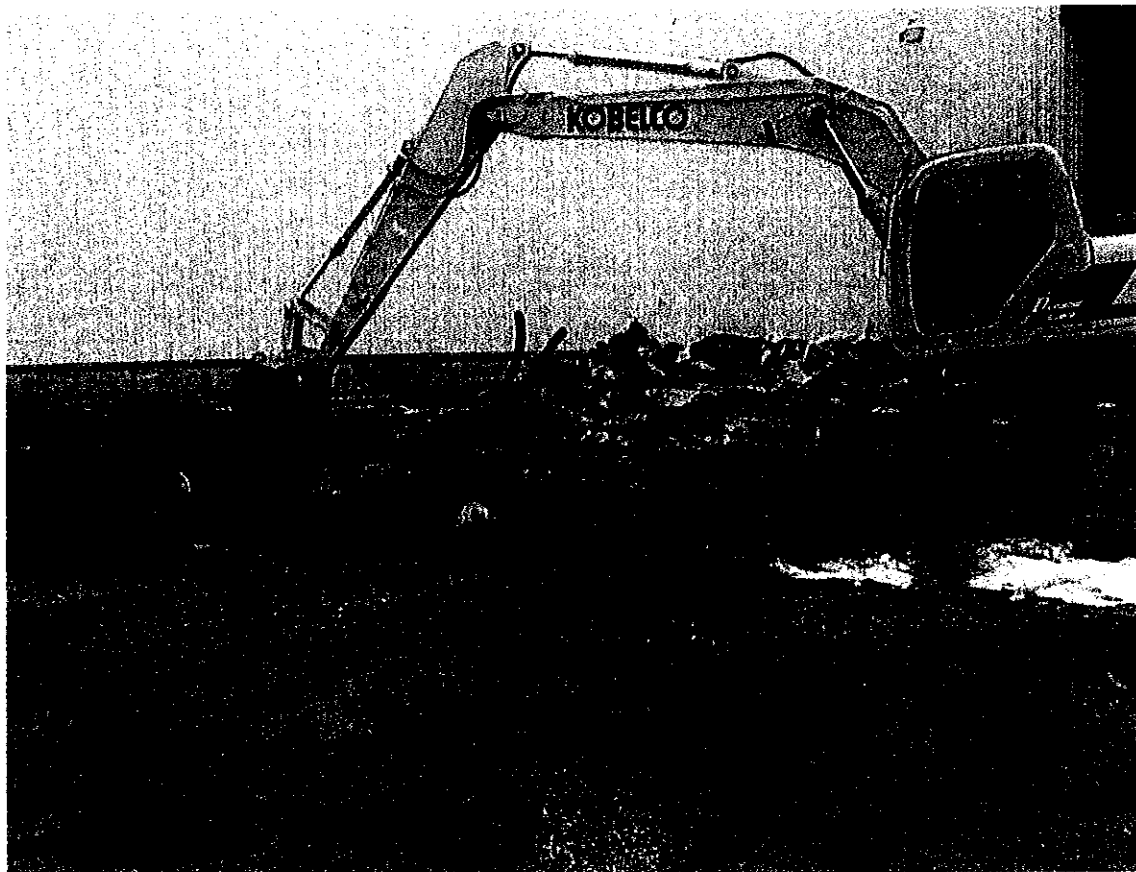


TABLE 2  
SOIL BTEX AND PAH ANALYTICAL RESULTS  
AREA A  
STAMPING PLANT PROPERTY  
SOUTH BEND, INDIANA

Sample ID	9-Feb-05 S-9	9-Feb-05 S-10	9-Feb-05 S-11	9-Feb-05 S-19	9-Feb-05 S-22	9-Feb-05 S-23	9-Feb-05 S-24 Duplicate	RISC Commercial/ Industrial Default Closure Level (Surface Soil)	RISC Commercial/ Industrial Default Closure Level (Subsurface Soil)
PAHs (mg/kg)	150	110	120	360	110	210	120	1200	1200
Acenaphthene	< 0.33	< 0.33	< 0.33	< 0.33	< 1.7	< 0.33	< 0.33	180	180
Acenaphthylene	< 0.33	< 0.33	< 0.33	< 0.33	< 1.7	< 0.33	0.6	51	51
Anthracene	< 0.33	< 0.33	< 0.33	1.1	2.6	< 0.33	1	15	62
Benzol(a)anthracene	< 0.33	< 0.33	< 0.33	1.6	2.2	< 0.33	0.85	15	16
Benzol(b)pyrene	< 0.33	< 0.33	< 0.33	1.8	2	< 0.33	0.75	15	74
Benzol(b)fluoranthene	< 0.33	< 0.33	< 0.33	1.8	1.8	< 0.33	0.55	16	16
Benzol(a,h,i)perylene	< 0.33	< 0.33	< 0.33	1.2	2.3	< 0.33	0.8	39	39
Benzol(k)fluoranthene	< 0.33	< 0.33	< 0.33	1.4	3	< 0.33	1.2	25	25
Chrysene	< 0.33	< 0.33	< 0.33	0.54	< 1.7	< 0.33	0.4	15	60
Dibenzol(a,h)anthracene	< 0.33	< 0.33	< 0.33	2.1	4.7	< 0.33	1.9	880	880
Fluoranthene	< 0.33	< 0.33	< 0.33	< 0.33	< 1.7	< 0.33	< 0.33	1100	1100
Fluorene	< 0.33	< 0.33	0.34	1.4	2.2	< 0.33	0.6	3.1	3.1
Idenol(1,2,3-cd)pyrene	< 0.33	< 0.33	< 0.33	< 0.33	< 1.7	< 0.33	< 0.33	170	170
Naphthalene	< 0.33	< 0.33	< 0.33	0.94	< 1.7	< 0.33	2.2	170	170
Phenanthrene	< 0.33	< 0.33	< 0.33	2.7	5.1	< 0.33	2.1	570	570
Pyrene	< 0.33	< 0.33	< 0.33	BDL	BDL	BDL	BDL	NA	NA
BTEX (mg/kg)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA

Notes:  
BDL = Below detection limit of 0.0050 mg/kg  
PAH = Polycyclic aromatic hydrocarbon  
BTEX = Benzene, toluene, ethylbenzene, xylenes  
NA = No BTEX compounds were detected at detection levels below RISC Residential Closure Levels.  
RISC = Risk Integrated System of Closure (Indiana Department of Environmental Management 1/1/04)  
mg/kg = Milligram per kilogram  
Bold = compound concentration that exceeds default RISC Commercial/Industrial Closure Level for surface soil. Compare to bold subsurface soil Closure Level.





This photograph is of the north end of the excavation. The manhole is located between the yellow and orange posts on the right in front of the excavator. The two pipes visible in the center of the photograph did not extend across the excavation and were not blanked off.



This photograph is of the north end of the excavation looking to the north. A third metal pipe has been located and bent back towards the building. The pipes did not contain product and were disposed with the soil. The excavator is currently exposing one of the three concrete monoliths encountered during the excavation activities.



This photograph was taken at the beginning of the excavation of the impacted soil near the center of Area A. Visible is discolored, petroleum impacted soil, one of the buried metal pipes in place, and the first of the concrete monoliths encountered in the excavation area. The view is looking toward the northeast.



The steel rails and ties of the rail spur are imbedded in the concrete. This view is looking northeast toward the north end of the excavation. One of the concrete monoliths is visible above the rail on the right. The petroleum impacted soil is dark gray and dark grayish brown.



Another view of the petroleum impacted soil. Note that the discolored material does not extend up to the base of the concrete, but that there is an approximately six (6) inches thick interval of soil between the concrete and discolored soil below.



This view is of the west wall of the excavation as impacted soil is being progressively removed to the foundation of Building 93 in the background. The impacted soil is the distinct dark grayish brown material exposed in the wall and bottom of the excavation.



Loading the impacted soil for transport to Prairie View RDF.

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

<b>Generator Name:</b>	<b>Technical Contact:</b>	
<u>City of South Bend</u>	<u>David Lee</u>	
<b>Waste Location:</b>	<b>County:</b>	
<b>Street Address:</b>	<u>St. Joseph</u>	
<u>601 W Broadway</u>	<b>State:</b>	<b>Zip Code:</b>
<b>City:</b>	<u>IN</u>	<u>46601-</u>
<u>South Bend</u>		

**Emergency Response Phone Number:**  
317-856-2751

<b>Waste Name:</b>	<b>Est. Volume:</b>
<u>Petroleum Contaminated Soil</u>	_____
_____	_____

**NO Generator Signature Required**

**Section C DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View      **OPP Number:** 71-2      **Amount:** 24.34

\_\_\_\_\_      \_\_\_\_\_

**Authorized Signature**      **Date (MM/DD/YY)**

*Freemide*

2/8/05





Industrial Waste Disposal Manifest  
Profile Number: KP0103

Section A Generator Information		
Generator Name:	Technical Contact:	
<u>City of South Bend</u>	<u>David Lee</u>	
Waste Location:	County:	
Street Address:	<u>St. Joseph</u>	
<u>601 W Broadway</u>	State:	Zip Code:
City:	<u>IN</u>	<u>46601-</u>
<u>South Bend</u>		
Emergency Response Phone Number:		
<u>317-856-2751</u>		
Waste Name:	Est. Volume:	
<u>Petroleum Contaminated Soil</u>	_____	
_____	_____	
<b><u>NO Generator Signature Required</u></b>		
Section C DISPOSAL SITE INFORMATION		
Site Name: <u>Prairie View</u>	OPP Number: <u>71-2</u>	Amount: <u>21.92</u>
<u><i>[Signature]</i></u>	<u>2/8/05</u>	
Authorized Signature	Date (MM/DD/YY)	

C3



02/08

Loc ID County  
ST JOE ST JOE

*Art Lavallee*

(DRIVER: PLEASE SIGN HERE)

GROSS: 35.670

TARE: 13.750 (File)

NET: 21.920

Oper Time Date  
In: GAF 03:42 PM 02/08/2005  
Out: GAF 03:42 PM 02/08/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 129  
WYATT, IN 46595  
574/546-4475

FAX: 574/546-5189

CUSTOMER NO: 0010562 TRUCK NO: 867

SPW

PROFILE NO: KP0103

HOOSIER EQUIPMENT,  
8014 WEST THOMPSON ROAD

INDIANAPOLIS

IN 46241

LOAD CODE	ALTERNATE DESCRIPTION CODE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	15.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

<b>Generator Name:</b>	<b>Technical Contact:</b>	
<u>City of South Bend</u>	<u>David Lee</u>	
<b>Waste Location:</b>	<b>County:</b>	
<b>Street Address:</b>	<u>St. Joseph</u>	
<u>601 W Broadway</u>	<b>State:</b>	<b>Zip Code:</b>
<b>City:</b>	<u>IN</u>	<u>46601-</u>
<u>South Bend</u>		

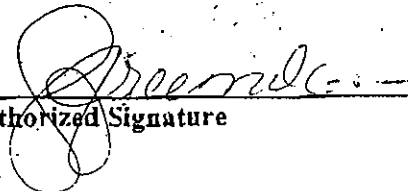
**Emergency Response Phone Number:**  
317-856-2751

<b>Waste Name:</b>	<b>Est. Volume:</b>
<u>Petroleum Contaminated Soil</u>	_____
_____	_____

**NO Generator Signature Required**

**Section C DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View      **OPP Number:** 71-2      **Amount:** 23.13

	<u>2/9/05</u>
<b>Authorized Signature</b>	<b>Date (MM/DD/YY)</b>



575366  
02/09/2005

Loc ID County  
ST JOE ST JOE

ST Pct  
IN 100%

*[Signature]*  
(DRIVER: PLEASE SIGN HERE)

GROSS:	36.980				
TARE:	13.750	Man Wt-	Oper	Time	Date
			In:	GAF	08:40 AM 02/09/2005
NET:	23.130		Out:	GAF	08:40 AM 02/09/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475 FAX: 574/546-5189

The Relizon Company

CUSTOMER NO.	TRUCK NO.
0010562	61

SPW

PROFILE NO.
KP0103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS IN 46241

LOAD CODE	ALTERNLOAD DESCRIPTION COVE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	15.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

**Generator Name:**

City of South Bend

**Technical Contact:**

David Lee

**Waste Location:**

**Street Address:**

601 W Broadway

**County:**

St. Joseph

**City:**

South Bend

**State:**

IN

**Zip Code:**

46601-

**Emergency Response Phone Number:**

317-856-2751

**Waste Name:**

Petroleum Contaminated Soil

**Est. Volume:**

\_\_\_\_\_  
\_\_\_\_\_

**NO Generator Signature Required**

**Section C**

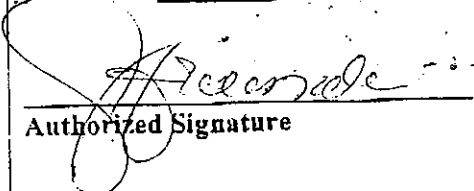
**DISPOSAL SITE INFORMATION**

**Site Name: Prairie View**

**OPP Number: 71-2**

**Amount: 22.88**

**Authorized Signature**



**Date (MM/DD/YY)**  
2/9/05

C3



578847  
02/09/2005

Loc ID: ST JOE  
County: ST JOE

ST. Fee  
IN 100%

(DRIVER: PLEASE SIGN HERE)

GROSS:	36.430				
TARE:	13.750	Man Wt	Oper	Time	Date
			In:	08:45 AM	02/09/2005
NET:	22.880		Out:	08:45 AM	02/09/2005

PRAIRIE VIEW RDF  
 15505 SHIVELY ROAD  
 P.O. BOX 128  
 WYATT, IN 46595  
 574/546-4475

FAX: 574/546-5189

The Reitzel Company

CUSTOMER NO.	TRUCK NO.
0010562	60

SPW

PROFILE NO.
KF0103

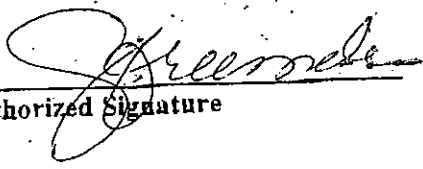
HOOSIER EQUIPMENT  
 8014 WEST THOMPSON ROAD

INDIANAPOLIS

IN 46241

LOAD CODE	ALTERN/LOAD DESCRIPTION COVE.	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	15.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

<b>Section A</b>		<b>Generator Information</b>	
<b>Generator Name:</b>	<u>City of South Bend</u>	<b>Technical Contact:</b>	<u>David Lee</u>
<b>Waste Location:</b>		<b>County:</b>	<u>St. Joseph</u>
<b>Street Address:</b>	<u>601 W Broadway</u>	<b>State:</b>	<u>IN</u>
<b>City:</b>	<u>South Bend</u>	<b>Zip Code:</b>	<u>46601-</u>
<b>Emergency Response Phone Number:</b>	<u>317-856-2751</u>		
<b>Waste Name:</b>	<u>Petroleum Contaminated Soil</u>	<b>Est. Volume:</b>	_____
			_____
<b><u>NO Generator Signature Required</u></b>			
<b>Section C</b>		<b>DISPOSAL SITE INFORMATION</b>	
<b>Site Name:</b>	<u>Prairie View</u>	<b>OPP Number:</b>	<u>71-2</u>
		<b>Amount:</b>	<u>24.82</u>
<b>Authorized Signature</b>		<b>Date (MM/DD/YY)</b>	<u>2/9/05</u>





578871  
02/09/2005

Loc ID County ST Pct  
ST JOE ST JOE IN 100%

(DRIVER: PLEASE SIGN HERE)

GROSS: 38.570  
TARE: 13.750 Man Wt Oper Time Date  
In: BAF 08:52 AM 02/09/2005  
NET: 24.820 Out: BAF 08:52 AM 02/09/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475 FAX: 574/546-5189

The Reilzon Company

CUSTOMER NO. TRUCK NO. PROFILE NO.  
0010562 54 SPW KP0103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION COVE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	
<i>[Signature]</i>			

Industrial Waste Disposal Manifest  
Profile Number: KP0103

**Section A Generator Information**

Generator Name:

City of South Bend

Technical Contact:

David Lee

Waste Location:

Street Address:

601 W Broadway

County:

St. Joseph

City:

South Bend

State:

IN

Zip Code:

46601-

Emergency Response Phone Number:

317-856-2751

Waste Name:

Petroleum Contaminated Soil

Est. Volume:

\_\_\_\_\_  
\_\_\_\_\_

NO Generator Signature Required

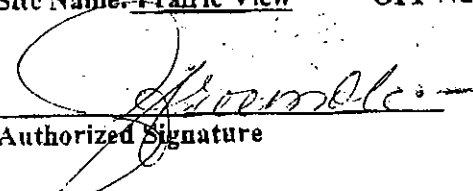
**Section C DISPOSAL SITE INFORMATION**

Site Name: Prairie View

OPP Number: 71-2

Amount: 26.15

Authorized Signature



Date (MM/DD/YY)

2/9/05



578386  
02/09/2005

Loc ID County  
ST JOE ST JOE

ST Pct  
IN 100%

(DRIVER: PLEASE SIGN HERE)

GROSS: 39.900  
TARE: 13.750 (File) Oper Time Date  
NET: 26.150 In: BAF 10:01 AM 02/09/2005  
Out: BAF 10:01 AM 02/09/2005

PRAIRIE VIEW RDF  
15305 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475 FAX: 574/546-5189

The Reilzon Company

CUSTOMER NO.	TRUCK NO.	PROFILE NO.
0010562	60 SPW	KP0103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD  
INDIANAPOLIS IN 46241

LOAD CODE	ALTERNLOAD DESCRIPTION COVE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	15.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

**Generator Name:**

City of South Bend

**Technical Contact:**

David Lee

**Waste Location:**

**Street Address:**

601 W Broadway

**County:**

St. Joseph

**City:**

South Bend

**State:**

IN

**Zip Code:**

46601-

**Emergency Response Phone Number:**

317-856-2751

**Waste Name:**

Petroleum Contaminated Soil

**Est. Volume:**

**NO Generator Signature Required**

**Section C DISPOSAL SITE INFORMATION**

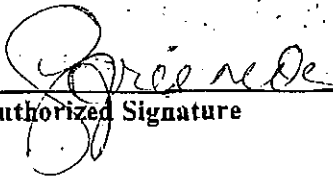
**Site Name:** Prairie View

**OPP Number:** 71-2

**Amount:**

23.31

**Authorized Signature**



**Date (MM/DD/YY)**

2/9/05

C3



578387  
02/09/2005

Loc ID County  
ST JOE ST JOE

ST Pct  
IN 100%

*Ben Klepfer*  
(DRIVER: PLEASE SIGN HERE)

GROSS: 37.060  
TARE: 13.750 (File) Oper Time Date  
In: GAF 10:03 AM 02/09/2005  
NET: 23.310 Out: GAF 10:03 AM 02/09/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475

FAX: 574/546-5189

The Relison Company

CUSTOMER NO. TRUCK NO.  
0010562 61 SPW

PROFILE NO.  
KPO103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS IN 46241

LOAD CODE	ALTERNATE LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	15.00	

8

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

**Generator Name:**

City of South Bend

**Technical Contact:**

David Lee

**Waste Location:**

**Street Address:**

601 W Broadway

**County:**

St. Joseph

**City:**

South Bend

**State:**

IN

**Zip Code:**

46601-

**Emergency Response Phone Number:**

317-856-2751

**Waste Name:**

Petroleum Contaminated Soil

**Est. Volume:**

**NO Generator Signature Required**

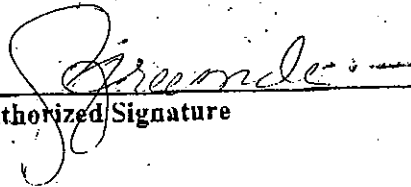
**Section C DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View

**OPP Number:** 71-2

**Amount:** 25.67

**Authorized Signature**



**Date (MM/DD/YY)**

2/9/05

03



578990  
02/09/2005

Loc ID County  
ST JOE ST JOE

ST Pct  
IN 100%

(DRIVER: PLEASE SIGN HERE)

GROSS:	39.420	Oper	Time	Date
TARE:	13.750 (File)	In:	BAF 10:11 AM	02/09/2005
NET:	25.670	Out:	BAF 10:11 AM	02/09/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475

FAX: 574/546-5189

Relizon Company

CUSTOMER NO.	TRUCK NO.
0010562	64

SPW

PROFILE NO.
KP0103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS

IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

<b>Generator Name:</b>	<b>Technical Contact:</b>	
<u>City of South Bend</u>	<u>David Lee</u>	
<b>Waste Location:</b>	<b>County:</b>	
<b>Street Address:</b>	<u>St. Joseph</u>	
<u>601 W Broadway</u>	<b>State:</b>	<b>Zip Code:</b>
<b>City:</b>	<u>IN</u>	<u>46601-</u>
<u>South Bend</u>		

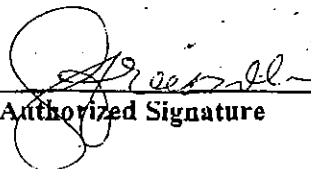
**Emergency Response Phone Number:**  
317-856-2751

<b>Waste Name:</b>	<b>Est. Volume:</b>
<u>Petroleum Contaminated Soil</u>	_____
_____	_____

**NO Generator Signature Required**

**Section C DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View    **OPP Number:** 71-2    **Amount:** 26.595

  
\_\_\_\_\_  
**Authorized Signature**

2/9/05  
\_\_\_\_\_  
**Date (MM/DD/YY)**





878393  
02/09/2005

Loc ID County  
ST JOE ST JOE

ST Fct  
IN 100%

(DRIVER: PLEASE SIGN HERE)

GROSS: 40.350

TARE: 13.755 Man Wt

NET: 26.595

Oper Time

Date

In: GAF 10:19 AM 02/09/2005  
Out: GAF 10:19 AM 02/09/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475

FAX: 574/546-5189

The Reilston Company

CUSTOMER NO. TRUCK NO.

0010562 67

SPW

PROFILE NO.

KP0103

HOOSIER EQUIPMENT  
3014 WEST THOMPSON ROAD

INDIANAPOLIS

IN 46241

LOAD CODE	ALTERNATE LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

<b>Generator Name:</b>	<b>Technical Contact:</b>	
<u>City of South Bend</u>	<u>David Lee</u>	
<b>Waste Location:</b>	<b>County:</b>	
<b>Street Address:</b>	<u>St. Joseph</u>	
<u>601 W Broadway</u>	<b>State:</b>	<b>Zip Code:</b>
<b>City:</b>	<u>IN</u>	<u>46601-</u>
<u>South Bend</u>		

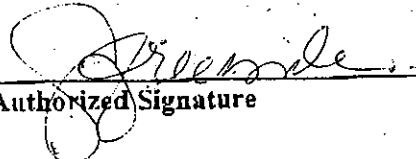
**Emergency Response Phone Number:**  
317-856-2751

<b>Waste Name:</b>	<b>Est. Volume:</b>
<u>Petroleum Contaminated Soil</u>	_____
_____	_____

**NO Generator Signature Required**

**Section C DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View      **OPP Number:** 71-2      **Amount:** 25.50

	<u>2/9/05</u>
<b>Authorized Signature</b>	<b>Date (MM/DD/YY)</b>

03



578388  
02/09/2005

Loc ID      County      ST Pct  
ST JOE      ST JOE      IN 100%

*[Signature]*  
(DRIVER: PLEASE SIGN HERE)

GROSS:      39.250  
TARE:      13.750 (File)      Oper      Time      Date  
In: BAF      11:14 AM      02/09/2005  
NET:      25.500      Out: BAF      11:14 AM      02/09/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475      FAX: 574/546-5189

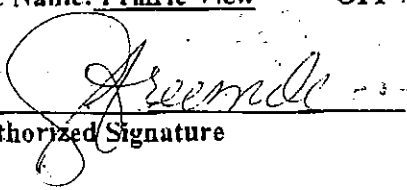
The Reizon Company

CUSTOMER NO.	TRUCK NO.	PROFILE NO.
0010562	61      SPW	KP0103

HOOSIER EQUIPMENT  
2014 WEST THOMPSON ROAD  
INDIANAPOLIS      IN 46241

LOAD CODE	ALTERN/LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	15.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

<b>Section A Generator Information</b>		
<b>Generator Name:</b>	<b>Technical Contact:</b>	
<u>City of South Bend</u>	<u>David Lee</u>	
<b>Waste Location:</b>	<b>County:</b>	
<b>Street Address:</b>	<u>St. Joseph</u>	
<u>601 W Broadway</u>	<b>State:</b>	<b>Zip Code:</b>
<b>City:</b>	<u>IN</u>	<u>46601-</u>
<u>South Bend</u>		
<b>Emergency Response Phone Number:</b>		
<u>317-856-2751</u>		
<b>Waste Name:</b>	<b>Est. Volume:</b>	
<u>Petroleum Contaminated Soil</u>	_____	
_____	_____	
<b><u>NO Generator Signature Required</u></b>		
<b>Section C DISPOSAL SITE INFORMATION</b>		
<b>Site Name:</b> <u>Prairie View</u>	<b>OPP Number:</b> <u>71-2</u>	<b>Amount:</b> <u>25.18</u>
	<u>2/9/05</u>	
<b>Authorized Signature</b>	<b>Date (MM/DD/YY)</b>	

C3



578401  
02/09/2005

Loc ID County  
ST JOE ST JOE

ST Pct  
IN 100%

*[Signature]*  
(DRIVER: PLEASE SIGN HERE)

GROSS: 38.930  
TARE: 13.750 (File) Oper Time Date  
In: GAF 11:18 AM 02/09/2005  
NET: 25.180 Out: GAF 11:18 AM 02/09/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475 FAX: 574/546-5189

The Reilzon Company

CUSTOMER NO. TRUCK NO.  
0010562 60

SPW

PROFILE NO.  
KP0103

HOOSIER EQUIPMENT  
3014 WEST THOMPSON ROAD

INDIANAPOLIS

IN 46241

LOAD CODE	ALTERNATE LOAD DESCRIPTION	COVE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF		15.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

**Generator Name:**

City of South Bend

**Technical Contact:**

David Lee

**Waste Location:**

**Street Address:**

601 W Broadway

**County:**

St. Joseph

**City:**

South Bend

**State:**

IN

**Zip Code:**

46601-

**Emergency Response Phone Number:**

317-856-2751

**Waste Name:**

Petroleum Contaminated Soil

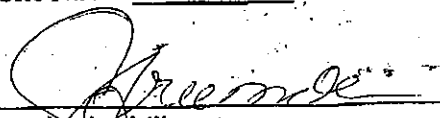
**Est. Volume:**

\_\_\_\_\_  
\_\_\_\_\_

**NO Generator Signature Required**

**Section C DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View      **OPP Number:** 71-2      **Amount:** 24.26

  
\_\_\_\_\_  
**Authorized Signature**

2/10/05  
\_\_\_\_\_  
**Date (MM/DD/YY)**

C3



578402  
02/09/2005

Loc ID County  
ST JOE ST JOE

ST Pct  
IN 100%

*[Handwritten Signature]*  
**(DRIVER: PLEASE SIGN HERE)**

GROSS:	38.010	Oper	Time	Date
TARE:	13.750 (File)	In:	BAF 11:24 AM	02/09/2005
NET:	24.260	Out:	BAF 11:24 AM	02/09/2005

PRAIRIE VIEW RDF  
 15505 SHIVELY ROAD  
 P.O. BOX 129  
 WYATT, IN 46595  
 574/546-4475 FAX: 574/546-5189

The Relison Company

CUSTOMER NO.	TRUCK NO.	PROFILE NO.
0010562	54 SPW	KP0103

HOOSIER EQUIPMENT  
 8014 WEST THOMPSON ROAD  
 INDIANAPOLIS IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION CODE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A**

**Generator Information**

**Generator Name:**

City of South Bend

**Technical Contact:**

David Lee

**Waste Location:**

**Street Address:**

601 W Broadway

**County:**

St. Joseph

**City:**

South Bend

**State:**

IN

**Zip Code:**

46601-

**Emergency Response Phone Number:**

317-856-2751

**Waste Name:**

Petroleum Contaminated Soil

**Est. Volume:**

**NO Generator Signature Required**

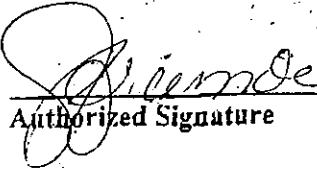
**Section C**

**DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View

**OPP Number:** 71-2

**Amount:** 24.075

  
**Authorized Signature**

2/9/05  
**Date (MM/DD/YY)**



C3



578407  
02/09/2005

Loc ID    County  
ST JOE    ST JOE

ST Pat  
IN 100%

(DRIVER: PLEASE SIGN HERE)

GROSS:	37.830				
TARE:	13.755 (File)	Oper	Time	Date	
		In:	GAF 11:36 AM	02/09/2005	
NET:	24.075	Out:	GAF 11:36 AM	02/09/2005	

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475

FAX: 574/546-5189

The Relison Company

CUSTOMER NO.	TRUCK NO.
0010562	67

SPW

PROFILE NO.
KP0103

HODSIEE EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

Generator Name:

Technical Contact:

City of South Bend

David Lee

Waste Location:  
Street Address:

County:

601 W Broadway

St. Joseph

City:

State:

Zip Code:

South Bend

IN

46601-

Emergency Response Phone Number:

317-856-2751

Waste Name:

Est. Volume:

Petroleum Contaminated Soil

NO Generator Signature Required

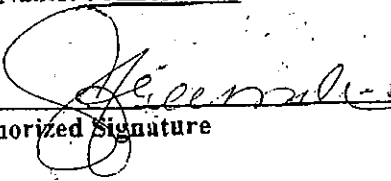
**Section C DISPOSAL SITE INFORMATION**

Site Name: Prairie View

OPP Number: 71-2

Amount: 24.72

Authorized Signature



Date (MM/DD/YY) 2/19/05



578419  
02/09/2005

Loc ID County  
ST JOE ST JOE

ST Pct  
IN 100%

*Riley K. Kasperstein*  
(DRIVER: PLEASE SIGN HERE)

GROSS:	38.470	Oper	Time	Date
TARE:	13.750 (File)	In:	GAF 12:30 PM	02/09/2005
NET:	24.720	Out:	GAF 12:30 PM	02/09/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN. 46595  
574/546-4475

FAX: 574/546-5189

The Reizon Company

CUSTOMER NO.	TRUCK NO.
0010562	61

SPW

PROFILE NO.
KP0103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS

IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION COVE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	15.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

**Generator Name:**

City of South Bend

**Technical Contact:**

David Lee

**Waste Location:**

**Street Address:**

601 W Broadway

**County:**

St. Joseph

**City:**

South Bend

**State:**

IN

**Zip Code:**

46601-

**Emergency Response Phone Number:**

317-856-2751

**Waste Name:**

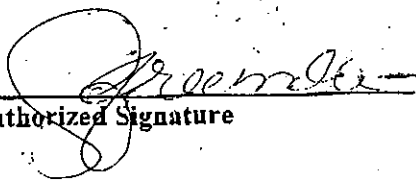
Petroleum Contaminated Soil

**Est. Volume:**

**NO Generator Signature Required**

**Section C DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View      **OPP Number:** 71-2      **Amount:** 23.27

  
**Authorized Signature**

2/9/05  
**Date (MM/DD/YY)**

CS



578423  
02/09/2005

Loc. ID: ST JOE    County: ST JOE

ST Pet: IN 100%

*[Signature]*  
(DRIVER: PLEASE SIGN HERE)

GROSS:	37.020	Oper	Time	Date
TARE:	13.750 (File)	In:	BAF 12:40 PM	02/09/2005
NET:	23.270	Out:	BAF 12:40 PM	02/09/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475

FAX: 574/546-5189

The Reilzon Company

CUSTOMER NO.	TRUCK NO.
0010562	60

SPW

PROFILE NO.
KP0103

HOOBIEER EQUIPMENT  
2014 WEST THOMPSON ROAD  
INDIANAPOLIS IN 46241

LOAD CODE	ALTERNLOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	15.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

Generator Name:

Technical Contact:

City of South Bend

David Lee

Waste Location:

Street Address:

County:

601 W Broadway

St. Joseph

City:

State:

Zip Code:

South Bend

IN

46601-

Emergency Response Phone Number:

317-856-2751

Waste Name:

Est. Volume:

Petroleum Contaminated Soil

**NO Generator Signature Required**

**Section C DISPOSAL SITE INFORMATION**

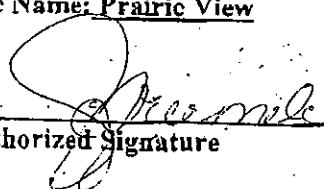
Site Name: Prairie View

OPP Number: 71-2

Amount: 25.07

Authorized Signature

Date (MM/DD/YY)



2/9/05

C3



578424  
02/09/2005

Loc ID County  
ST JOE ST JOE

ST Pct  
IN 100%

*[Handwritten Signature]*  
(DRIVER: PLEASE SIGN HERE)

GROSS: 38.820  
TARE: 13.750 (File)  
NET: 25.070  
Oper Time Date  
In: GAF 12:48 PM 02/09/2005  
Out: BAF 12:48 PM 02/09/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46575  
574/546-4475 FAX: 574/546-5189

The Relison Company

CUSTOMER NO. TRUCK NO.  
0010562 64

PROFILE NO.  
KP0103

HOOSIER EQUIPMENT  
E014 WEST THOMPSON ROAD

INDIANAPOLIS IN 46241

LOAD CODE	ALTERNLOAD DESCRIPTION COVE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

Industrial Waste Disposal Manifest  
Profile Number: KP0103

**Section A Generator Information**

Generator Name:

City of South Bend

Technical Contact:

David Lee

Waste Location:

Street Address:

601 W Broadway

County:

St. Joseph

City:

South Bend

State:

IN

Zip Code:

46601-

Emergency Response Phone Number:

317-856-2751

Waste Name:

Petroleum Contaminated Soil

Est. Volume:

\_\_\_\_\_

\_\_\_\_\_

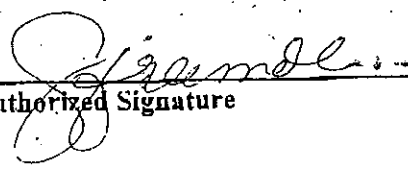
NO Generator Signature Required

**Section C DISPOSAL SITE INFORMATION**

Site Name: Prairie View

OPP Number: 71-2

Amount: 25.885

  
Authorized Signature

2/9/05  
Date (MM/DD/YY)



03



578429  
02/09/2005

Loc ID      County      ST Pct  
ST JOE      ST JOE      IN 100%

(DRIVER: PLEASE SIGN HERE)

GROSS:	39.640			
TARE:	13.755 (File)	Oper	Time	Date
		In: GAF	01:00 PM	02/09/2005
NET:	25.885	Out: GAF	01:00 PM	02/09/2005

PRAIRIE VIEW RDF  
 15505 SHIVELY ROAD  
 P.O. BOX 128  
 WYATT, IN 46595  
 574/546-4475      FAX: 574/546-5189

The Relison Company

CUSTOMER NO.	TRUCK NO.
0010562	67

SPW

PROFILE NO.
KF0103

HOOSIER EQUIPMENT  
 2014 WEST THOMPSON ROAD  
 INDIANAPOLIS IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION	COVE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF		16.00	

Industrial Waste Disposal Manifest  
Profile Number: KP0103

**Section A Generator Information**

Generator Name:	Technical Contact:	
<u>City of South Bend</u>	<u>David Lee</u>	
Waste Location:	County:	
Street Address:	<u>St. Joseph</u>	
<u>601 W Broadway</u>	State:	Zip Code:
City:	<u>IN</u>	<u>46601-</u>
<u>South Bend</u>		

Emergency Response Phone Number:

317-856-2751

Waste Name:

Petroleum Contaminated Soil

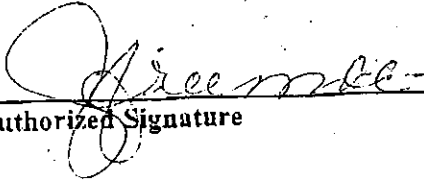
Est. Volume:

\_\_\_\_\_  
\_\_\_\_\_

NO Generator Signature Required

**Section C DISPOSAL SITE INFORMATION**

Site Name: Prairie View    OPP Number: 71-2    Amount: 28.48

  
Authorized Signature

2/9/05  
Date (MM/DD/YY)

C3



578443  
02/09/2005

Loc ID: ST JOE County: ST JOE

ST PETE  
IN 1007

(DRIVER: PLEASE SIGN HERE)

GROSS:	42.290			
TARE:	13.750 (File)	Oper	Time	Date
		In:	02:01 PM	02/09/2005
NET:	28.480	Out:	02:01 PM	02/09/2005

PRAIRIE VIEW RDF  
 15505 SHIVELY ROAD  
 P.O. BOX 128  
 WYATT, IN 46595  
 574/546-4475 FAX: 574/546-5189

The Relison Company

CUSTOMER NO.	TRUCK NO.
0010562	60

SPW

PROFILE NO.
KP0103

HOOBSIER EQUIPMENT  
 8014 WEST THOMPSON ROAD  
 INDIANAPOLIS IN 46241

LOAD CODE	ALTERN/LOAD DESCRIPTION	COVE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LAMDF		15.00	

Industrial Waste Disposal Manifest  
Profile Number: KP0103

**Section A Generator Information**

Generator Name:

Technical Contact:

City of South Bend

David Lee

Waste Location:  
Street Address:

County:

601 W Broadway

St. Joseph

City:

State:

Zip Code:

South Bend

IN

46601-

Emergency Response Phone Number:

317-856-2751

Waste Name:

Est. Volume:

Petroleum Contaminated Soil

NO Generator Signature Required

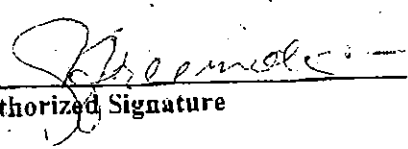
**Section C DISPOSAL SITE INFORMATION**

Site Name: Prairie View

OPP Number: 71-2

Amount: 25.25

Authorized Signature



Date (MM/DD/YY)

2/9/05

09



578446  
02/09/2005

Loc ID County  
ST JOE ST JOE

ST Pct  
IN 100%

(DRIVER: PLEASE SIGN HERE)

GROSS:	39.000			
TARE:	13.750 (File)	Oper	Time	Date
		In:	BAF 02:09 PM	02/09/2005
NET:	25.250	Out:	BAF 02:09 PM	02/09/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 129  
WYATT, IN 46595  
574/546-4475

FAX: 574/546-5189

The Relison Company

CUSTOMER NO.

TRUCK NO.

PROFILE NO.

0010562

64

SPW

KP0103

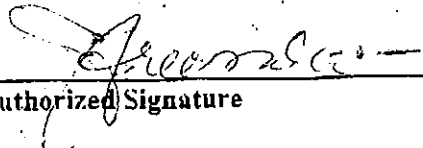
HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS

IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION CODE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

**Industrial Waste Disposal Manifest  
Profile Number: KP0103**

<b>Section A Generator Information</b>		
<b>Generator Name:</b>	<b>Technical Contact:</b>	
<u>City of South Bend</u>	<u>David Lee</u>	
<b>Waste Location:</b>	<b>County:</b>	
<b>Street Address:</b>	<u>St. Joseph</u>	
<u>601 W Broadway</u>	<b>State:</b>	<b>Zip Code:</b>
<b>City:</b>	<u>IN</u>	<u>46601-</u>
<u>South Bend</u>		
<b>Emergency Response Phone Number:</b>		
<u>317-856-2751</u>		
<b>Waste Name:</b>	<b>Est. Volume:</b>	
<u>Petroleum Contaminated Soil</u>	_____	
_____		
<b><u>NO Generator Signature Required</u></b>		
<b>Section C DISPOSAL SITE INFORMATION</b>		
<b>Site Name:</b> <u>Prairie View</u>	<b>OPP Number:</b> <u>71-2</u>	<b>Amount:</b> <u>28.205</u>
	<u>2/9/05</u>	
<b>Authorized Signature</b>	<b>Date (MM/DD/YY)</b>	

C3



578450  
02/09/2005

Loc ID County  
ST JOE ST JOE

ST Pat  
IN 100%

(DRIVER: PLEASE SIGN HERE)

GROSS:	41.960			
TARE:	13.755 (File)	Oper	Time	Date
		In:	GAF 02:26 PM	02/09/2005
NET:	28.205	Out:	GAF 02:26 PM	02/09/2005

PRAIRIE VIEW RDF  
 15505 SHIVELY ROAD  
 P.O. BOX 128  
 WYATT, IN 46595  
 574/546-4475 FAX: 574/546-5189

The Reilston Company

CUSTOMER NO.	TRUCK NO.
0010562	47

SPW

PROFILE NO.
KP0103

HOOSIER EQUIPMENT  
 8014 WEST THOMPSON ROAD  
 INDIANAPOLIS IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION COVE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LAMDF	16.00	

Industrial Waste Disposal Manifest  
Profile Number: KP0103

**Section A Generator Information**

<b>Generator Name:</b>	<b>Technical Contact:</b>	
<u>City of South Bend</u>	<u>David Lee</u>	
<b>Waste Location:</b>	<b>County:</b>	
<b>Street Address:</b>	<u>St. Joseph</u>	
<u>601 W Broadway</u>	<b>State:</b>	<b>Zip Code:</b>
<b>City:</b>	<u>IN</u>	<u>46601-</u>
<u>South Bend</u>		

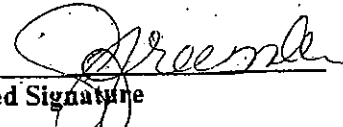
**Emergency Response Phone Number:**  
317-856-2751

<b>Waste Name:</b>	<b>Est. Volume:</b>
<u>Petroleum Contaminated Soil</u>	_____
_____	_____

NO Generator Signature Required

**Section C DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View    **OPP Number:** 71-2    **Amount:** 24 93

  
Authorized Signature

2/9/05  
Date (MM/DD/YY)



C3



576458  
02/09/2005

Loc ID County  
ST JOE ST JOE

BT Pct  
IN 100%

*Greg Klappstein*  
(DRIVER: PLEASE SIGN HERE)

GROSS: 38.680  
TARE: 13.750 Man Wt Oper Time Date  
In: GAF 02:40 PM 02/09/2005  
NET: 24.930 Out: GAF 02:40 PM 02/09/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 129  
WYATT, IN 46595  
574/546-4475 FAX: 574/546-5197

The Relison Company

CUSTOMER NO. TRUCK NO.  
0010562 62

SPW

PROFILE NO.  
KPO103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION CODE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	15.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

**Generator Name:** City of South Bend      **Technical Contact:** David Lee

**Waste Location:**      **County:**  
**Street Address:** 601 W Broadway      St. Joseph

**City:** South Bend      **State:** IN      **Zip Code:** 46601

**Emergency Response Phone Number:**  
317-856-2751

**Waste Name:** Petroleum Contaminated Soil      **Est. Volume:** \_\_\_\_\_

**NO Generator Signature Required**

**Section C DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View      **OPP Number:** 71-2      **Amount:** 22.16

*[Signature]*      2/10/05  
**Authorized Signature**      **Date (MM/DD/YY)**

C3



578456  
02/09/2005

Loc ID : County  
ST JOE ST JOE

ST Pct  
IN 100%

*[Signature]*  
(DRIVER: PLEASE SIGN HERE)

GROSS:	35.910	Oper	Time	Date
TARE:	13.750 (File)	In:	GAF 03:18 PM	02/09/2005
NET:	22.160	Out:	GAF 03:18 PM	02/09/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475 FAX: 574/546-5189

The Relison Company

CUSTOMER NO.	TRUCK NO.
0010562	60

SPW

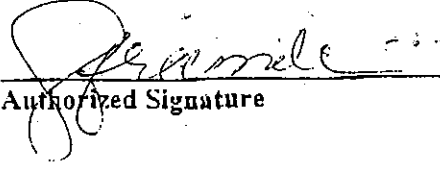
PROFILE NO.
KP0103

HOOSIER EQUIPMENT  
9014 WEST THOMPSON ROAD  
INDIANAPOLIS IN 46241

LOAD CODE	ALTERNLOAD DESCRIPTION COVE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	15.00	

23

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

<b>Section A Generator Information</b>		
<b>Generator Name:</b>	<b>Technical Contact:</b>	
<u>City of South Bend</u>	<u>David Lee</u>	
<b>Waste Location:</b>	<b>County:</b>	
<b>Street Address:</b>	<u>St. Joseph</u>	
<u>601 W Broadway</u>		
<b>City:</b>	<b>State:</b>	<b>Zip Code:</b>
<u>South Bend</u>	<u>IN</u>	<u>46601-</u>
<b>Emergency Response Phone Number:</b>		
<u>317-856-2751</u>		
<b>Waste Name:</b>	<b>Est. Volume:</b>	
<u>Petroleum Contaminated Soil</u>	_____	
_____	_____	
<b><u>NO Generator Signature Required</u></b>		
<b>Section C DISPOSAL SITE INFORMATION</b>		
<b>Site Name:</b> <u>Prairie View</u>	<b>OPP Number:</b> <u>71-2</u>	<b>Amount:</b> <u>21.88</u>
	<u>2/9/05</u>	
<b>Authorized Signature</b>	<b>Date (MM/DD/YY)</b>	



578458  
02/09/2005

Loc ID      County      ST Pct  
ST JOE      ST JOE      IN 100%

(DRIVER: PLEASE SIGN HERE)

GROSS: 35.630  
TARE: 13.750 (File)      Oper. Time      Date  
In: GAF 03:25 PM 02/09/2005  
NET: 21.880      Out: GAF 03:25 PM 02/09/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN. 46595  
574/546-4475      FAX: 574/546-5189

The Reilzon Company

CUSTOMER NO.      TRUCK NO.  
0010562      64

SPW


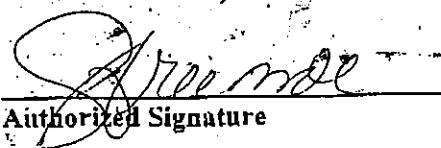
PROFILE NO.  
KP0103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS      IN 46241

LOAD CODE	ALTERNATE LOAD DESCRIPTION CODE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

Industrial Waste Disposal Manifest  
Profile Number: KP0103

Section A Generator Information		
Generator Name:	Technical Contact:	
<u>City of South Bend</u>	<u>David Lee</u>	
Waste Location:	County:	
Street Address:	<u>St. Joseph</u>	
<u>601 W Broadway</u>	State:	Zip Code:
City:	<u>IN</u>	<u>46601-</u>
<u>South Bend</u>		
Emergency Response Phone Number:		
<u>317-856-2751</u>		
Waste Name:	Est. Volume:	
<u>Petroleum Contaminated Soil</u>	<u>16 LCY</u>	
<u>NO Generator Signature Required</u>		
		
Section C DISPOSAL SITE INFORMATION		
Site Name: <u>Prairie View</u>	OPP Number: <u>71-2</u>	Amount: <u>25.72</u>
	<u>2/10/05</u>	
Authorized Signature	Date (MM/DD/YY)	

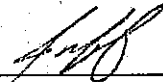
03



578486  
02/10/2005

Loc ID County  
ST JOE ST JOE

ST Pct  
IN 100%

  
(DRIVER: PLEASE SIGN HERE)

GROSS:	39.470				
TARE:	13.750	Man Wt	Oper	Time	Date
			In:	08:52 AM	02/10/2005
NET:	25.720		Out:	08:52 AM	02/10/2005

PRAIRIE VIEW RDF  
 15505 SHIVELY ROAD  
 P.O. BOX 128  
 WYATT, IN 46595  
 574/546-4475 FAX: 574/546-5189

The Reilizon Company

CUSTOMER NO.	TRUCK NO.	PROFILE NO.
0010562	65 SPW	KP0103

HOOSIER EQUIPMENT  
 5014 WEST THOMPSON ROAD  
 INDIANAPOLIS IN 46241

LOAD CODE	ALTERNLOAD DESCRIPTION CODE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

25

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

**Generator Name:**

City of South Bend

**Technical Contact:**

David Lee

**Waste Location:**

**Street Address:**

601 W Broadway

**County:**

St. Joseph

**City:**

South Bend

**State:**

IN

**Zip Code:**

46601-

**Emergency Response Phone Number:**

317-856-2751

**Waste Name:**

Petroleum Contaminated Soil

**Est. Volume:**

\_\_\_\_\_  
\_\_\_\_\_

**NO Generator Signature Required**

**Section C**

**DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View

**OPP Number:** 71-2

**Amount:** 22.71

*[Signature]*  
Authorized Signature

2/10/05  
Date (MM/DD/YY)



03



578495  
02/10/2005

Loc ID County ST Pct  
ST JOE ST JOE IN 100%

    *Rev R.*      
(DRIVER: PLEASE SIGN HERE)

GROSS: 36.460  
TARE: 13.750 Man Wt Oper Time Date  
NET: 22.710 In: GAF 09:25 AM 02/10/2005  
Out: GAF 09:25 AM 02/10/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475 FAX: 574/546-5189

The Relizon Company

CUSTOMER NO. TRUCK NO. PROFILE NO.  
0010562 865 SPW KP0103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD  
INDIANAPOLIS IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

Industrial Waste Disposal Manifest  
Profile Number: KP0103

**Section A Generator Information**

Generator Name:

Technical Contact:

City of South Bend

David Lee

Waste Location:

County:

Street Address:

St. Joseph

601 W Broadway

City:

State:

Zip Code:

South Bend

IN

46601

Emergency Response Phone Number:

317-856-2751

Waste Name:

Est. Volume:

Petroleum Contaminated Soil

NO Generator Signature Required

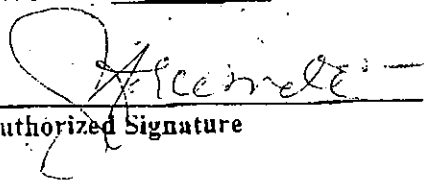
**Section C DISPOSAL SITE INFORMATION**

Site Name: Prairie View

OPP Number: 71-2

Amount: 22.60

Authorized Signature



Date (MM/DD/YY)

2/9/05



578504  
02/10/2005

Loc ID County ST Pct  
ST JOE ST JOE IN 100%

  
(DRIVER: PLEASE SIGN HERE)

GROSS: 36.350  
TARE: 13.750 Man Wt Oper Time Date  
NET: 22.600 In: GAF 09:52 AM 02/10/2005  
Out: GAF 09:52 AM 02/10/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475 FAX: 574/546-5189

The Relizon Company

CUSTOMER NO. TRUCK NO.  
0010562 73 SPW

PROFILE NO.  
KP0103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS IN: 46241

LOAD CODE	ALTERN LOAD DESCRIPTION CODE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

27

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

**Generator Name:** City of South Bend      **Technical Contact:** David Lee

**Waste Location:**      **County:**  
**Street Address:** 601 W Broadway      St. Joseph

**City:** South Bend      **State:** IN      **Zip Code:** 46601-

**Emergency Response Phone Number:**  
317-856-2751

**Waste Name:** Petroleum Contaminated Soil      **Est. Volume:** \_\_\_\_\_

\_\_\_\_\_

**NO Generator Signature Required**

**Section C DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View      **OPP Number:** 71-2      **Amount:** 23.56

  
Authorized Signature

2/10/05  
Date (MM/DD/YY)

C3



578505  
02/10/2005

Loc ID County  
ST JOE ST JOE

ST Pct  
IN 100%

*Michael E. G.*  
(DRIVER: PLEASE SIGN HERE)

GROSS:	37.310				
TARE:	13.750	Man Wt	Oper	Time	Date
			In:	09:57 AM	02/10/2005
NET:	23.560		Out:	09:57 AM	02/10/2005

PRAIRIE VIEW RDF  
 15505 SHIVELY ROAD  
 P.O. BOX 128  
 WYATT, IN 46595  
 574/546-4475 FAX: 574/546-5189

The Helixon Company

CUSTOMER NO.	TRUCK NO.	PROFILE NO.
0010562	71	KP0108

HOOSIER EQUIPMENT  
 8014 WEST THOMPSON ROAD  
 INDIANAPOLIS IN 46241

LOAD CODE	ALTERN. LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
FEL	FUEL SURCHARGE LANDF	16.00	

Industrial Waste Disposal Manifest  
Profile Number: KP0103

**Section A Generator Information**

Generator Name: City of South Bend      Technical Contact: David Lee

Waste Location:      County: St. Joseph  
Street Address: 601 W Broadway

City: South Bend      State: IN      Zip Code: 46601-

Emergency Response Phone Number: 317-856-2751

Waste Name: Petroleum Contaminated Soil      Est. Volume: 16 Lcy

NO Generator Signature Required

*A. M/O \*G5*

**Section C DISPOSAL SITE INFORMATION**

Site Name: Prairie View      OPP Number: 71-2      Amount: 23.83

*[Signature]*  
Authorized Signature

2/10/05  
Date (MM/DD/YY)



578514  
02/10/2005

Loc ID County ST Pct  
ST JOE ST JOE IN 100%

*[Signature]*  
**(DRIVER: PLEASE SIGN HERE)**

GROSS: 37.590  
TARE: 13.750 (File) Oper Time Date  
In: GAF 10:21 AM 02/10/2005  
NET: 23.830 Out: GAF 10:21 AM 02/10/2005

The Relison Company

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475 FAX: 574/546-5199



CUSTOMER NO.	TRUCK NO.	PROFILE NO.
0010562	35 SPW	KP0103

HODSIEB EQUIPMENT  
8014 WEST THOMPSON ROAD  
INDIANAPOLIS IN 46241

LOAD CODE	ALTERNLOAD DESCRIPTION COVE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	15.00	



**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

**Generator Name:** City of South Bend      **Technical Contact:** David Lee  
**Waste Location:**      **County:**  
**Street Address:** 601 W Broadway      St. Joseph  
**City:** South Bend      **State:** IN      **Zip Code:** 46601

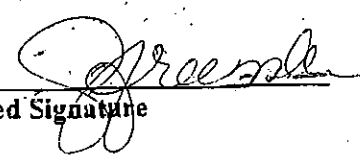
**Emergency Response Phone Number:**  
317-856-2751

**Waste Name:** Petroleum Contaminated Soil      **Est. Volume:** \_\_\_\_\_  
\_\_\_\_\_

**NO Generator Signature Required**

**Section C DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View      **OPP Number:** 71-2      **Amount:** 24.16

  
**Authorized Signature**

2/9/05  
**Date (MM/DD/YY)**



CS



578521  
02/10/2005

Loc ID    County  
ST JOE    ST JOE

ST Pct  
IN 100%

*Row R.*  
**(DRIVER: PLEASE SIGN HERE)**

GROSS:    37.910  
TARE:    13.750 (File)

NET:    24.160

Oper    Time    Date  
In: GAF    10:52 AM    02/10/2005  
Out: GAF    10:52 AM    02/10/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 129  
WYATT, IN 46595  
574/546-4475

FAX: 574/546-5189

The Reilston Company

CUSTOMER NO.    TRUCK NO.  
0010562    865

SPW

PROFILE NO.  
KPO103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS

IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

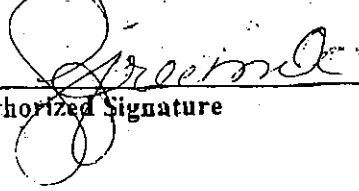
**Section A Generator Information**

**Generator Name:** City of South Bend      **Technical Contact:** David Lee  
**Waste Location:**      **County:**  
**Street Address:** 601 W Broadway      St. Joseph  
**City:** South Bend      **State:** IN      **Zip Code:** 46601  
**Emergency Response Phone Number:**  
317-856-2751  
**Waste Name:** Petroleum Contaminated Soil      **Est. Volume:** \_\_\_\_\_  
\_\_\_\_\_

**NO Generator Signature Required**

**Section C DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View      **OPP Number:** 71-2      **Amount:** 23.47

  
**Authorized Signature**

2/10/05  
**Date (MM/DD/YY)**

C3



578525  
02/10/2005

Loc ID County  
ST JOE ST JOE

ST Pct  
IN 100%

  
(DRIVER: PLEASE SIGN HERE)

GROSS: 37.220

TARE: 13.750 (File)

NET: 23.470

Oper Time

Date

In: BAF 11:21 AM 02/10/2005

Out: BAF 11:21 AM 02/10/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475

FAX: 574/546-5189

The Relizon Company

CUSTOMER NO.

TRUCK NO.

PROFILE NO.

0010562

73

SPW

KP0103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS

IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION CODE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

**Industrial Waste Disposal Manifest**  
**Profile Number: KP0103**

**Section A Generator Information**

**Generator Name:**

City of South Bend

**Technical Contact:**

David Lee

**Waste Location:  
Street Address:**

601 W Broadway

**County:**

St. Joseph

**City:**

South Bend

**State:**

IN

**Zip Code:**

46601-

**Emergency Response Phone Number:**

317-856-2751

**Waste Name:**

Petroleum Contaminated Soil

**Est. Volume:**

**NO Generator Signature Required**

**Section C**

**DISPOSAL SITE INFORMATION**

**Site Name: Prairie View**

**OPP Number: 71-2**

**Amount: 26.26**

**Authorized Signature**

**Date (MM/DD/YY)**

2/10/05

CS



578529  
02/10/2005

Loc ID County  
ST JOE ST JOE

ST Pct  
IN 100%

*[Signature]*  
(DRIVER: PLEASE SIGN HERE)

GROSS:	40.010	Oper	Time	Date
TARE:	13.750 (File)	In:	GAF 11:34 AM	02/10/2005
NET:	26.260	Out:	GAF 11:34 AM	02/10/2005

The Relizon Company

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475

FAX: 574/546-5189

CUSTOMER NO.	TRUCK NO.
0010562	71

SPW

PROFILE NO.
KP0103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS

IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

Industrial Waste Disposal Manifest  
Profile Number: KP0103

**Section A Generator Information**

Generator Name:

City of South Bend

Technical Contact:

David Lee

Waste Location:

Street Address:

601 W Broadway

County:

St. Joseph

City:

South Bend

State:

IN

Zip Code:

46601-

Emergency Response Phone Number:

317-856-2751

Waste Name:

Petroleum Contaminated Soil

Est. Volume:

16 LCY

NO Generator Signature Required

4.4<sup>0</sup> #65

**Section C DISPOSAL SITE INFORMATION**

Site Name: Prairie View

OPP Number: 71-2

Amount:

24.28

Authorized Signature

*[Handwritten Signature]*

Date (MM/DD/YY)

2/10/05



03



578533  
02/10/2005

Loc ID County  
ST JOE ST JOE

ST Pet  
IN 100%

(DRIVER: PLEASE SIGN HERE)

GROSS:	38.030	Oper	Time	Date
TARE:	13.750 (File)	In:	GAF 11:50 AM	02/10/2005
NET:	24.280	Out:	GAF 11:50 AM	02/10/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475

FAX: 574/546-5189

The Relison Company

CUSTOMER NO.	TRUCK NO.
0010562	65

SPW

PROFILE NO.
KP0103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS

IN 46241

LOAD CODE	ALTERNATE LOAD DESCRIPTION (OVER)	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

Industrial Waste Disposal Manifest  
Profile Number: KP0103

**Section A Generator Information**

Generator Name: City of South Bend      Technical Contact: David Lee

Waste Location: \_\_\_\_\_      County: \_\_\_\_\_

Street Address: 601 W Broadway      St. Joseph

City: South Bend      State: IN      Zip Code: 46601-

Emergency Response Phone Number: 317-856-2751

Waste Name: Petroleum Contaminated Soil      Est. Volume: \_\_\_\_\_

\_\_\_\_\_

NO Generator Signature Required

**Section C DISPOSAL SITE INFORMATION**

Site Name: Prairie View      OPP Number: 71-2      Amount: 23.46

[Signature]      2/10/05

Authorized Signature      Date (MM/DD/YY)





578543  
02/10/2005

Loc ID : County  
ST JOE ST JOE

ST Fct  
IN 100%

*R. R.*

(DRIVER: PLEASE SIGN HERE)

GROSS:	37.210	Oper	Time	Date
TARE:	13.750 (File)	In:	SAF 12:22 PM	02/10/2005
NET:	23.460	Out:	SAF 12:22 PM	02/10/2005

PRAIRIE VIEW RDF  
 15503 SHIVELY ROAD  
 P.O. BOX 128  
 WYATT, IN 46595  
 574/546-4475 FAX: 574/546-5189

The Reilzon Company

CUSTOMER NO.	TRUCK NO.
0010562	865

SPW

PROFILE NO.
KP0103

HOOSIER EQUIPMENT  
 3014 WEST THOMPSON ROAD

INDIANAPOLIS IN 46241

LOAD CODE	ALTERN/LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

Industrial Waste Disposal Manifest  
Profile Number: KP0103

**Section A Generator Information**

Generator Name:	Technical Contact:	
<u>City of South Bend</u>	<u>David Lee</u>	
Waste Location:	County:	
Street Address:	<u>St. Joseph</u>	
<u>601 W Broadway</u>	State:	Zip Code:
City:	<u>IN</u>	<u>46601-</u>
<u>South Bend</u>		

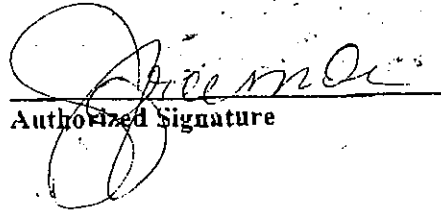
Emergency Response Phone Number:  
317-856-2751

Waste Name:	Est. Volume:
<u>Petroleum Contaminated Soil</u>	<u>100 LCY</u>

NO Generator Signature Required *A. Lee #65*

**Section C DISPOSAL SITE INFORMATION**

Site Name: Prairie View OPP Number: 71-2 Amount: 23.11

	<u>2/11/05</u>
Authorized Signature	Date (MM/DD/YY)



578610  
02/11/2005

Loc ID County ST Pct  
ST JOE ST JOE IN 100%

*[Signature]*  
(DRIVER: PLEASE SIGN HERE)

GROSS: 34.860  
TARE: 13.750 (File)  
NET: 23.110  
Oper Time Date  
In: GAF 09:19 AM 02/11/2005  
Out: GAF 09:19 AM 02/11/2005

PRAIRIE VIEW RDF  
13505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475 FAX: 574/546-5189

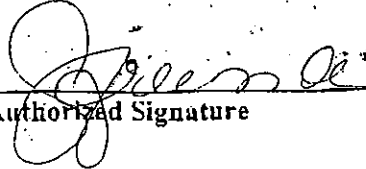
The Relison Company

CUSTOMER NO. TRUCK NO. PROFILE NO.  
0010562 65 SPW KP0103

HOUSIER EQUIPMENT  
2014 WEST THOMPSON ROAD  
INDIANAPOLIS IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION CODE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

Industrial Waste Disposal Manifest  
Profile Number: KP0103

Section A Generator Information		
Generator Name:	Technical Contact:	
<u>City of South Bend</u>	<u>David Lee</u>	
Waste Location:	Country:	
Street Address:	<u>St. Joseph</u>	
<u>601 W Broadway</u>	State:	Zip Code:
City:	<u>IN</u>	<u>46601-</u>
<u>South Bend</u>		
Emergency Response Phone Number:		
<u>317-856-2751</u>		
Waste Name:	Est. Volume:	
<u>Petroleum Contaminated Soil</u>	_____	
_____	_____	
<u>NO Generator Signature Required</u>		
Section C DISPOSAL SITE INFORMATION		
Site Name: <u>Prairie View</u>	OPP Number: <u>71-2</u>	Amount: <u>22.91</u>
	<u>2/11/05</u>	
Authorized Signature	Date (MM/DD/YY)	



578611  
02/11/2005

Loc ID County  
ST JOE ST JOE

ST Pct  
IN 100%

~~(DRIVER: PLEASE SIGN HERE)~~

GROSS: 36.660

TARE: 13.750 (File)

Oper Time Date

In: GAR 09:24 AM 02/11/2005

NET: 22.910

Out: GAR 09:24 AM 02/11/2005

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475

FAX: 574/546-5189

The Relison Company

CUSTOMER NO.

TRUCK NO.

PROFILE NO.

001056E

73

SPW

KP0103

HOOBIEER EQUIPMENT  
3014 WEST THOMPSON ROAD

INDIANAPOLIS

IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

36

Industrial Waste Disposal Manifest  
Profile Number: KP0103

**Section A Generator Information**

<b>Generator Name:</b>	<b>Technical Contact:</b>	
<u>City of South Bend</u>	<u>David Lee</u>	
<b>Waste Location:</b>	<b>County:</b>	
<b>Street Address:</b>	<u>St. Joseph</u>	
<u>601 W Broadway</u>	<b>State:</b>	<b>Zip Code:</b>
<b>City:</b>	<u>IN</u>	<u>46601-</u>
<u>South Bend</u>		

**Emergency Response Phone Number:**  
317-856-2751

<b>Waste Name:</b>	<b>Est. Volume:</b>
<u>Petroleum Contaminated Soil</u>	_____
_____	_____

NO Generator Signature Required

**Section C DISPOSAL SITE INFORMATION**

**Site Name:** Prairie View      **OPP Number:** 71-2      **Amount:** 24.53

	<u>2/11/05</u>
<b>Authorized Signature</b>	<b>Date (MM/DD/YY)</b>

C3



02/11/200

Loc ID County  
ST JOE ST JOE

*M C*  
(DRIVER: PLEASE SIGN HERE)

GROSS: 38.280  
TARE: 13.750 (File) Oper Time Date  
In: GAF 09:51 AM 02/11/200  
NET: 24.530 Out: GAF 09:51 AM 02/11/200

PRAIRIE VIEW RDF  
15505 SHIVELY ROAD  
P.O. BOX 128  
WYATT, IN 46595  
574/546-4475 FAX: 574/546-5189

CUSTOMER NO. TRUCK NO.  
0010562 71

SPW

PROFILE NO.  
KPO103

HOOSIER EQUIPMENT  
8014 WEST THOMPSON ROAD

INDIANAPOLIS IN 46241

LOAD CODE	ALTERN LOAD DESCRIPTION CODE	LOAD QUANTITY	AMOUNT
FSL	FUEL SURCHARGE LANDF	16.00	

Industrial Waste Disposal Manifest  
Profile Number: KP0103

**Section A Generator Information**

Generator Name:

Technical Contact:

City of South Bend

David Lee

Waste Location:

County:

Street Address:

St. Joseph

601 W Broadway

City:

State:

Zip Code:

South Bend

IN

46601-

Emergency Response Phone Number:

317-856-2751

Waste Name:

Est. Volume:

Petroleum Contaminated Soil

NO Generator Signature Required

**Section C DISPOSAL SITE INFORMATION**

Site Name: Prairie View

OPP Number: 71-2

Amount: 25.51

Authorized Signature



02/11/05  
Date (MM/DD/YY)







7901 West Morris Street  
Indianapolis, IN 46231  
Phone: 317/243-0811  
Fax: 317/486-5095  
Internet: <http://www.heritage-enviro.com>

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**QUALITY ASSURANCE REPORT PACKAGE # 2683  
FOR  
KERAMIDA ENVIRONMENTAL, INC.**

---

**BRUCE WINNINGHAM  
KERAMIDA ENVIRONMENTAL, INC.  
330 N. COLLEGE AVENUE  
INDIANAPOLIS, INDIANA 46202**

**SAMPLE #'S:**

**A689760 – A689785**

**PROJECT:**

**STUDEBAKER/OLIVER  
FEBRUARY, 2005**

---

**HERITAGE ENVIRONMENTAL SERVICES, LLC  
COMMERCIAL LABORATORY OPERATIONS  
7901 WEST MORRIS STREET  
INDIANAPOLIS, INDIANA 46231  
PHONE: (317) 243-8304  
FAX: (317) 486-5095**

---

APPROVED BY: \_\_\_\_\_

*DC Edwards*

PROJECT CHEMIST





Heritage Environmental Services, LLC  
7901 West Morris Street  
Indianapolis, IN 46231  
Phone: (317) 243-0811  
Fax: (317) 486-5095

## SHIPPING AND RECEIVING

The following samples were received at Heritage Environmental laboratory on February 14, 2005:

**A689760 – A689785**

The samples were received within EPA recommended holding times and in good condition. If required, a pH screen confirmed that the sample was preserved to acceptable pH levels. Samples were analyzed within holding times as prescribed by the analytical method. Exceptions to these statements, additional information, and any analytical anomalies are noted on the accompanying Certificates of Analysis Reports.



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Nancy J. Carman  
Document Control Officer



Project No.	Project Name		Date	Time	Comp	Grab	HCl	NaOH	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	Other	Analyses	MATRIX SW GW WW Soil Air Waste Oil	QA/QC Level	Detection Level	Comments	
	10589	Studebaker/Oliver															Report to: Bruce Winningham
Client City of South Bend			Samplers: (signature) Robert P. Lyle			# and Type of Containers Z-146563											
Sampled By: KERAMIDA Environmental, Inc.																	
5-14			2-10-05	1310	X							X	Soil			A689760	
5-15				1315								X				761	
5-16				1320								X				762	
5-17				1325								X				763 One Container	
5-18			2-14-05	930								X				764	
5-19				1000								X				765	
5-20				1135								X				766	
5-21				1140								X				767	
5-22				1145								X				768	
5-23				1200								X				769	
5-24				1210								X				770 One Container	
5-7 Duplicate			2/10	1140								X				771 One Container	
5-17 Duplicate			2/10	1325								X				772 One Container	
Relinquished by: Sign/Date/Time Robert P. Lyle 2-14-05			Received by: Sign/Date/Time B. Studebaker 2-14-05 2:14 PM			Relinquished by: Sign/Date/Time B. Studebaker 2-14-05 2:14 PM			Received by: Sign/Date/Time B. Studebaker 2-14-05 11:00			Received for Lab: Sign/Date/Time					
Relinquished by: Sign/Date/Time Robert P. Lyle 2-14-05			Received by: Sign/Date/Time			Relinquished by: Sign/Date/Time			Received by: Sign/Date/Time			Received for Lab: Sign/Date/Time S. K. Winningham 1-4-2005					
Lab Name:			1) No method substitution will be performed by the laboratory without KERAMIDA authorization														
Due Date:			2) Please notify KERAMIDA immediately upon receipt, if sample integrity is in question														
Remarks:			3) If analysis cannot be conducted within required holding times, please notify KERAMIDA immediately														
			4) If requested detection limits cannot be achieved, please contact KERAMIDA immediately														
2-11-05@1210			S-24 Duplicate - not listed on COC. Per DOE weafe to run the sample. A689785														





### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689773
	<b>Completed</b> 21-FEB-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 09-FEB-05 16:10	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
--	---

<b>Sample Description</b> CLIENT ID: S-1 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
---

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.00 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ... SURROGATE RECOVERY ----- 1-CHLOROOCATADECANE	<b>Result</b> 44  92.9	<b>Det. Limit</b>  10	<b>Units</b> mg/kg  % Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) ... SURROGATE RECOVERY ----- 1-CHLOROOCATADECANE	<b>Result</b> 62  87.9	<b>Det. Limit</b>  10	<b>Units</b> mg/kg  % Rec



Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1659.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 23-FEB-05



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689774
	<b>Completed</b> 21-FEB-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 09-FEB-05 16:10	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
--	---

<b>Sample Description</b> CLIENT ID: S-2 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
---

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.01 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ... SURROGATE RECOVERY ----- 1-CHLOROOCATADECANE	<b>Result</b> 28   70.8	<b>Det. Limit</b>  10	<b>Units</b> mg/kg   % Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) ... SURROGATE RECOVERY ----- 1-CHLOROOCATADECANE	<b>Result</b> 31   76.1	<b>Det. Limit</b>  10	<b>Units</b> mg/kg   % Rec





Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1659.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 23-FEB-05



## CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b>	14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689775
	<b>Completed</b>	21-FEB-05	<b>PO Number</b> 10588	
	<b>Printed</b>	02-MAR-05	<b>Sampled</b> 09-FEB-05 16:15	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b>
CLIENT ID: S-3 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			NELAC:Y
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
INITIAL WEIGHT OR VOLUME	20.00		Grams
FINAL VOLUME	5.0		mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			NELAC:Y
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
DIESEL RANGE ORGANICS (DRO)	10		10 mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROOCATADECANE	42.6		% Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			NELAC:Y
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
EXTENDED RANGE ORGANICS (ERO)	BDL		10 mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROOCATADECANE	44.2		% Rec



Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1659.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 23-FEB-05



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689776
	<b>Completed</b> 21-FEB-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 09-FEB-05 16:20	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b> CLIENT ID: S-4 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
---

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.00 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ... SURROGATE RECOVERY ----- 1-CHLOROOCATADECANE	<b>Result</b> BDL  57.6	<b>Det. Limit</b>	<b>Units</b> 10 mg/kg  % Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) ... SURROGATE RECOVERY ----- 1-CHLOROOCATADECANE	<b>Result</b> BDL  75.2	<b>Det. Limit</b>	<b>Units</b> 10 mg/kg  % Rec



Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1659.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QA*

Approved by: PAULINE SPENCE 23-FEB-05



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b>	<b>Project</b>	<b>Lab ID</b>
	14-FEB-05		A689777
	<b>Completed</b>	<b>PO Number</b>	
21-FEB-05	10588		
<b>Printed</b>	<b>Sampled</b>		
02-MAR-05	09-FEB-05 16:25		

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b>
CLIENT ID: S-5 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
INITIAL WEIGHT OR VOLUME	20.02		Grams
FINAL VOLUME	5.0		mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
DIESEL RANGE ORGANICS (DRO)	29		10 mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROOCETADECANE	65.0		% Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
EXTENDED RANGE ORGANICS (ERO)	29		10 mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROOCETADECANE	58.0		% Rec



Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1659.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 23-FEB-05



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b>	14-FEB-05	<b>Project</b>	<b>Lab ID</b>
	<b>Completed</b>	21-FEB-05	<b>PO Number</b>	
	<b>Printed</b>	02-MAR-05	<b>Sampled</b>	
			10588	11-FEB-05 09:45

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b>
CLIENT ID: S-6 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
INITIAL WEIGHT OR VOLUME	20.03		Grams
FINAL VOLUME	5.0		mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
DIESEL RANGE ORGANICS (DRO)	BDL	10	mg/kg
.....			
SURROGATE RECOVERY			
-----			
1-CHLOROOCYTADECANE	59.3		% Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
EXTENDED RANGE ORGANICS (ERO)	BDL	10	mg/kg
.....			
SURROGATE RECOVERY			
-----			
1-CHLOROOCYTADECANE	72.2		% Rec





Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.

Sample chain of custody number 1659.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QA*

Approved by: PAULINE SPENCE 23-FEB-05



## CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b>	<b>Project</b>	<b>Lab ID</b>
	14-FEB-05		A689779
	<b>Completed</b>	<b>PO Number</b>	
21-FEB-05	10588		
<b>Printed</b>	<b>Sampled</b>		
02-MAR-05	10-FEB-05 11:40		

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b>
CLIENT ID: S-7 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			NELAC:Y
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
INITIAL WEIGHT OR VOLUME	20.05		Grams
FINAL VOLUME	5.0		mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			NELAC:Y
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
DIESEL RANGE ORGANICS (DRO)	BDL	10	mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROOCYTADECANE	63.2		% Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			NELAC:Y
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
EXTENDED RANGE ORGANICS (ERO)	BDL	10	mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROOCYTADECANE	77.4		% Rec



Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1659.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 23-FEB-05

HERITAGE ENVIRONMENTAL SERVICES, LLC

PURGEABLE AROMATICS BY GC/MS (BTEX) SW846-8260B							O560.3	(cont.)		
R483283 Analytical	Analyst: H WILLIAMS Reviewer: R SHAMP		Run Date: 24-Feb-05 Review Date: 01-Mar-05		Instrument: GC/MS VOA		(cont.)			
QCType	Lab ID	Source	Parameter	True/Sampl	Spike Val	RQL	Observed	Units	% Rec	RPD
CCVD	Q1704810		BENZENE	0.8219			0.7692			6.4
CCVD	Q1704810		ETHYL BENZENE	0.5661			0.4602			18.7
CCVD	Q1704810		TOLUENE	1.0370			0.9158			11.7
CCVD	Q1704810		DICHLOROETHANE-D4	0.3269			0.2805			14.2
CCVD	Q1704810		TOLUENE-D8	1.0406			1.0069			3.2
CCVD	Q1704810		4-BROMOFLUOROBENZENE	0.5460			0.5636			3.2
BLA01	Q1704813		Analysis Date/Time: 24-Feb-05 05:49							
BLA01	Q1704813		BENZENE			BDL	5.0	ug/kg		
BLA01	Q1704813		ETHYL BENZENE			BDL	5.0	ug/kg		
BLA01	Q1704813		TOLUENE			BDL	5.0	ug/kg		
BLA01	Q1704813		XYLENES (O/M/P-XYLENE)			BDL	10	ug/kg		
BLA01	Q1704813		DICHLOROETHANE-D4							77
BLA01	Q1704813		TOLUENE-D8							93
BLA01	Q1704813		4-BROMOFLUOROBENZENE							105
SAMPLE	A689768		Analysis Date/Time: 24-Feb-05 08:29							
SAMPLE	A689768		See Certificate of Analysis, Rep: 0							
SAMPLE	A689780		Analysis Date/Time: 24-Feb-05 09:07							
SAMPLE	A689780		See Certificate of Analysis, Rep: 0							
SAMPLE	A689781		Analysis Date/Time: 24-Feb-05 11:37							
SAMPLE	A689781		See Certificate of Analysis, Rep: 0							
SPI01	Q1704815	A689785	Analysis Date/Time: 24-Feb-05 10:21							
SPI01	Q1704815	A689785	BENZENE	0	50		31.8	ug/kg		63.6
SPI01	Q1704815	A689785	ETHYL BENZENE	0	50		28.6	ug/kg		57.2
SPI01	Q1704815	A689785	TOLUENE	0	50		26.2	ug/kg		52.4
SPI01	Q1704815	A689785	XYLENES (O/M/P-XYLENE)	0	150		86.5	ug/kg		57.7
DPS01	Q1704816	A689785	Analysis Date/Time: 24-Feb-05 10:59							
DPS01	Q1704816	A689785	BENZENE	0	50		29.8	ug/kg		59.6 6.5
DPS01	Q1704816	A689785	ETHYL BENZENE	0	50		24.2	ug/kg		48.5 16.5
DPS01	Q1704816	A689785	TOLUENE	0	50		25.1	ug/kg		50.2 4.1
DPS01	Q1704816	A689785	XYLENES (O/M/P-XYLENE)	0	150		78.8	ug/kg		52.5 9.4
Q1704813	Blank is acceptable for medium level soils with a detection limit									
Q1704813	multiplier of 0.125 and units of mg/kg.									
<b>Qualifiers</b>										
BDL Below Detection Limit										

Approved: P.K. Sluce QA

HERITAGE ENVIRONMENTAL SERVICES, LLC

PURGEABLE AROMATICS BY GC/MS (BTEX) SW846-8260B

O560.3 (cont.)

R483189 Analytical		Analyst: H WILLIAMS Reviewer: R SHAMP		Run Date: 23-Feb-05 Review Date: 28-Feb-05		Instrument: GC/MS VOA		(cont.)		
QCType	Lab ID	Source	Parameter	True/Sampl	Spike Val	RQL	Observed	Units	% Rec	RPD
CAL01	Q1696350		DICHLOROETHANE-D4	0.3269						14.2
CAL01	Q1696350		TOLUENE-D8	1.0406						7.7
CAL01	Q1696350		4-BROMOFLUOROBENZENE	0.5460						5.2
CCVD	Q1704095		Analysis Date/Time: 23-Feb-05 11:50							
CCVD	Q1704095		BENZENE	0.8219			0.9491			15.5
CCVD	Q1704095		ETHYL BENZENE	0.5661			0.4821			14.8
CCVD	Q1704095		TOLUENE	1.0370			1.1508			11
CCVD	Q1704095		DICHLOROETHANE-D4	0.3269			0.2860			12.5
CCVD	Q1704095		TOLUENE-D8	1.0406			1.1161			7.3
CCVD	Q1704095		4-BROMOFLUOROBENZENE	0.5460			0.6961			27.5
BLA01	Q1704096		Analysis Date/Time: 23-Feb-05 12:33							
BLA01	Q1704096		BENZENE			BDL	5.0	ug/kg		
BLA01	Q1704096		ETHYL BENZENE			BDL	5.0	ug/kg		
BLA01	Q1704096		TOLUENE			BDL	5.0	ug/kg		
BLA01	Q1704096		XYLENES (O/M/P-XYLENE)			BDL	10	ug/kg		
BLA01	Q1704096		DICHLOROETHANE-D4							80
BLA01	Q1704096		TOLUENE-D8							99
BLA01	Q1704096		4-BROMOFLUOROBENZENE							120
LCS01	Q1704098	METHOD 826	Analysis Date/Time: 23-Feb-05 13:20							
LCS01	Q1704098	METHOD 826	BENZENE	20			19.6	ug/kg		98
LCS01	Q1704098	METHOD 826	ETHYL BENZENE	20			17.1	ug/kg		85.5
LCS01	Q1704098	METHOD 826	TOLUENE	20			18.7	ug/kg		93.5
LCS01	Q1704098	METHOD 826	XYLENES (O/M/P-XYLENE)	60			58.1	ug/kg		96.8
SAMPLE	A689765		Analysis Date/Time: 23-Feb-05 14:36							
SAMPLE	A689765		See Certificate of Analysis, Rep: 0							
SAMPLE	A689769		Analysis Date/Time: 23-Feb-05 21:37							
SAMPLE	A689769		See Certificate of Analysis, Rep: 0							
SAMPLE	A689782		Analysis Date/Time: 23-Feb-05 17:47							
SAMPLE	A689782		See Certificate of Analysis, Rep: 0							
SPI01	Q1704106	A689781	Analysis Date/Time: 23-Feb-05 19:04							
SPI01	Q1704106	A689781	BENZENE	0	50		38.6	ug/kg		77.2
SPI01	Q1704106	A689781	ETHYL BENZENE	0	50		29.3	ug/kg		58.6
SPI01	Q1704106	A689781	TOLUENE	0	50		33	ug/kg		66
SPI01	Q1704106	A689781	XYLENES (O/M/P-XYLENE)	0	100		92.3	ug/kg		92.3

Q1704098	1 COMPOND FAILS QC CRITERIA HIGH IF DETECTED IN ANY SAMPLES									
Q1704098	WILL REANALYZE.									
Q1704098	ALL OF LCS REPORTED MSD DID NOT PURGE									
Q1704106	MSD not reported. Did not purge.									

R483283 Analytical		Analyst: H WILLIAMS Reviewer: R SHAMP		Run Date: 24-Feb-05 Review Date: 01-Mar-05		Instrument: GC/MS VOA				
QCType	Lab ID	Source	Parameter	True/Sampl	Spike Val	RQL	Observed	Units	% Rec	RPD
CAL01	Q1696350		Analysis Date/Time: 06-Jan-05 02:53							
CAL01	Q1696350		BENZENE	0.8219						14.5
CAL01	Q1696350		ETHYL BENZENE	0.5661						14.2
CAL01	Q1696350		TOLUENE	1.0370						13.3
CAL01	Q1696350		DICHLOROETHANE-D4	0.3269						14.2
CAL01	Q1696350		TOLUENE-D8	1.0406						7.7
CAL01	Q1696350		4-BROMOFLUOROBENZENE	0.5460						5.2
CCVD	Q1704810		Analysis Date/Time: 24-Feb-05 05:09							

HERITAGE ENVIRONMENTAL SERVICES, LLC

SEMI-VOLATILE ORGANICS (BASE/NEUTRAL FRACTIONS) SW846-8270C							O517.3	(cont.)		
Prep : GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A										
R483156	Analyst: C WILLHITE		Run Date: 25-Feb-05		Instrument: GC/MS SVOA		(cont.)			
Analytical	Reviewer: L SMITH		Review Date: 28-Feb-05							
QCType	Lab ID	Source	Parameter	True/Sampl	Spike Val	RQL	Observed	Units	% Rec	RPD
BLA02	Q1703213	HLI	PHENANTHRENE			BDL	330	ug/kg		
BLA02	Q1703213	HLI	PYRENE			BDL	330	ug/kg		
BLA02	Q1703213	HLI	NITROBENZENE-D5						79	
BLA02	Q1703213	HLI	2-FLUOROBIPHENYL						84	
BLA02	Q1703213	HLI	TERPHENYL-D14						51	
LCS	Q1703214	HLI	Analysis Date/Time: 25-Feb-05 16:42							
LCS	Q1703214	HLI	ACENAPHTHENE	3330			3390	ug/kg	101.8	
LCS	Q1703214	HLI	ACENAPHTHYLENE	3330			3150	ug/kg	94.6	
LCS	Q1703214	HLI	ANTHRACENE	3330			3110	ug/kg	93.4	
LCS	Q1703214	HLI	BENZO(A)ANTHRACENE	3330			3280	ug/kg	98.5	
LCS	Q1703214	HLI	BENZO(A)PYRENE	3330			3260	ug/kg	97.9	
LCS	Q1703214	HLI	BENZO(B)FLUORANTHENE (3,4-	3330			3290	ug/kg	98.8	
LCS	Q1703214	HLI	BENZO(G,H,I)PERYLENE	3330			3270	ug/kg	98.2	
LCS	Q1703214	HLI	BENZO(K)FLUORANTHENE	3330			3100	ug/kg	93.1	
LCS	Q1703214	HLI	CHRYSENE	3330			3380	ug/kg	101.5	
LCS	Q1703214	HLI	DIBENZ(A,H)ANTHRACENE	3330			3330	ug/kg	100	
LCS	Q1703214	HLI	FLUORANTHENE	3330			3070	ug/kg	92.2	
LCS	Q1703214	HLI	FLUORENE	3330			3470	ug/kg	104.2	
LCS	Q1703214	HLI	INDENO(1,2,3-CD)PYRENE	3330			3310	ug/kg	99.4	
LCS	Q1703214	HLI	NAPHTHALENE	3330			3280	ug/kg	98.5	
LCS	Q1703214	HLI	PHENANTHRENE	3330			3190	ug/kg	95.8	
LCS	Q1703214	HLI	PYRENE	3330			3740	ug/kg	112.3	
SAMPLE	A689765	Analysis Date/Time: 25-Feb-05 17:22								
SAMPLE	A689765	See Certificate of Analysis, Rep: 0								
SAMPLE	A689768	Analysis Date/Time: 25-Feb-05 18:01								
SAMPLE	A689768	See Certificate of Analysis, Rep: 0								
SAMPLE	A689769	Analysis Date/Time: 25-Feb-05 18:40								
SAMPLE	A689769	See Certificate of Analysis, Rep: 0								
SAMPLE	A689780	Analysis Date/Time: 25-Feb-05 19:20								
SAMPLE	A689780	See Certificate of Analysis, Rep: 0								
SAMPLE	A689781	Analysis Date/Time: 25-Feb-05 19:59								
SAMPLE	A689781	See Certificate of Analysis, Rep: 0								
SAMPLE	A689782	Analysis Date/Time: 25-Feb-05 20:39								
SAMPLE	A689782	See Certificate of Analysis, Rep: 0								

Q1703862	Value reported for analytes calibrated by linear (LIN) or
Q1703862	quadratic (QDR) equations is r2 (Coef. of Determination).

<b>Qualifiers</b>
BDL Below Detection Limit
LIN Linear Regression Used

PURGEABLE AROMATICS BY GC/MS (BTEX) SW846-8260B							O560.3			
R483189	Analyst: H WILLIAMS		Run Date: 23-Feb-05		Instrument: GC/MS VOA					
Analytical	Reviewer: R SHAMP		Review Date: 28-Feb-05							
QCType	Lab ID	Source	Parameter	True/Sampl	Spike Val	RQL	Observed	Units	% Rec	RPD
CAL01	Q1696350	Analysis Date/Time: 06-Jan-05 02:53								
CAL01	Q1696350		BENZENE	0.8219						14.5
CAL01	Q1696350		ETHYL BENZENE	0.5661						14.2
CAL01	Q1696350		TOLUENE	1.0370						13.3

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R483060 Prep	Analyst: J MINNIEAR, II Reviewer: L SMITH	Run Date: 23-Feb-05 Review Date: 23-Feb-05	Instrument: PREP							
QCType	Lab ID	Source	Parameter	True/Sampl	Spike Val	RQL	Observed	Units	% Rec	RPD
BLA02	Q1703213	HLI	Analytical Run: R483156							
LCS	Q1703214	HLI	Analytical Run: R483156							
SAMPLE	A689765	Rep: 0	Analytical Run: R483156							
SAMPLE	A689768	Rep: 0	Analytical Run: R483156							
SAMPLE	A689769	Rep: 0	Analytical Run: R483156							
SAMPLE	A689780	Rep: 0	Analytical Run: R483156							
SAMPLE	A689781	Rep: 0	Analytical Run: R483156							
SAMPLE	A689782	Rep: 0	Analytical Run: R483156							
SPI02	Q1699485	A689185	Analytical Run: R482595							
DPS02	Q1699486	A689185	Analytical Run: R482595							

Q1699485	Unable to analyze sample at lower dilution due to high concentration of									
Q1699485	non-target compounds.									
Q1699486	Unable to analyze sample at lower dilution due to high concentration of									
Q1699486	non-target compounds.									

R483156 Analytical	Analyst: C WILLHITE Reviewer: L SMITH	Run Date: 25-Feb-05 Review Date: 28-Feb-05	Instrument: GC/MS SVOA							
QCType	Lab ID	Source	Parameter	True/Sampl	Spike Val	RQL	Observed	Units	% Rec	RPD
CAL01	Q1703862		Analysis Date/Time: 25-Feb-05 10:07							
CAL01	Q1703862		ACENAPHTHENE	1.0774						7.4
CAL01	Q1703862		ACENAPHTHYLENE	1.7926						7.6
CAL01	Q1703862		ANTHRACENE	1.0579						7.7
CAL01	Q1703862		BENZO(A)ANTHRACENE	1.2708						9.8
CAL01	Q1703862		BENZO(A)PYRENE	1.1524						11.3
CAL01	Q1703862		BENZO(B)FLUORANTHENE (3,4-	1.3600						13.6
CAL01	Q1703862		BENZO(G,H,I)PERYLENE			LIN				0.998
CAL01	Q1703862		BENZO(K)FLUORANTHENE	1.3169						10
CAL01	Q1703862		CHRYSENE	1.0191						7.7
CAL01	Q1703862		DIBENZ(A,H)ANTHRACENE			LIN				0.994
CAL01	Q1703862		FLUORANTHENE	0.8548						6.1
CAL01	Q1703862		FLUORENE	1.1730						7.1
CAL01	Q1703862		INDENO(1,2,3-CD)PYRENE			LIN				0.996
CAL01	Q1703862		NAPHTHALENE	0.8879						7.4
CAL01	Q1703862		PHENANTHRENE	1.0268						7.9
CAL01	Q1703862		PYRENE	1.9357						12.3
CAL01	Q1703862		NITROBENZENE-D5	0.2916						7.7
CAL01	Q1703862		2-FLUOROBIPHENYL	1.2862						6.2
CAL01	Q1703862		TERPHENYL-D14	1.1813						13.4
BLA02	Q1703213	HLI	Analysis Date/Time: 25-Feb-05 16:03							
BLA02	Q1703213	HLI	ACENAPHTHENE			BDL	330	ug/kg		
BLA02	Q1703213	HLI	ACENAPHTHYLENE			BDL	330	ug/kg		
BLA02	Q1703213	HLI	ANTHRACENE			BDL	330	ug/kg		
BLA02	Q1703213	HLI	BENZO(A)ANTHRACENE			BDL	330	ug/kg		
BLA02	Q1703213	HLI	BENZO(A)PYRENE			BDL	330	ug/kg		
BLA02	Q1703213	HLI	BENZO(B)FLUORANTHENE (3,4-			BDL	330	ug/kg		
BLA02	Q1703213	HLI	BENZO(G,H,I)PERYLENE			BDL	330	ug/kg		
BLA02	Q1703213	HLI	BENZO(K)FLUORANTHENE			BDL	330	ug/kg		
BLA02	Q1703213	HLI	CHRYSENE			BDL	330	ug/kg		
BLA02	Q1703213	HLI	DIBENZ(A,H)ANTHRACENE			BDL	330	ug/kg		
BLA02	Q1703213	HLI	FLUORANTHENE			BDL	330	ug/kg		
BLA02	Q1703213	HLI	FLUORENE			BDL	330	ug/kg		
BLA02	Q1703213	HLI	INDENO(1,2,3-CD)PYRENE			BDL	330	ug/kg		
BLA02	Q1703213	HLI	NAPHTHALENE			BDL	330	ug/kg		

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<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>				<b>O410.3</b>	(cont.)
<b>Prep : DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>					
R482912	Analyst: M WRIGHT	Run Date: 15-Feb-05	Instrument: GC/FID	(cont.)	
Analytical	Reviewer: E WERNZ	Review Date: 18-Feb-05			
Q1701341	1:5 Dilution.				
Q1701341	Recovery and RPD could not be reported due to high ERO levels in sample.				

<b>Qualifiers</b>					
BDL Below Detection Limit					
NQR No QC Result. High Sample Concentration.					

<b>SEMI-VOLATILE ORGANICS (BASE/NEUTRAL FRACTIONS) SW846-8270C</b>				<b>O517.3</b>	
<b>Prep : GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A</b>					

R482595	Analyst: C WILLHITE	Run Date: 10-Feb-05	Instrument: GC/MS SVOA							
Analytical	Reviewer: L SMITH	Review Date: 11-Feb-05								
QCType	Lab ID	Source	Parameter	True/Sampl	Spike Val	RQL	Observed	Units	% Rec	RPD
SPI02	Q1699485	A689185	Analysis Date/Time: 10-Feb-05 20:56							
SPI02	Q1699485	A689185	ACENAPHTHENE	0	3400		2680	ug/kg	78.8	
SPI02	Q1699485	A689185	ACENAPHTHYLENE	0	3400		2740	ug/kg	80.6	
SPI02	Q1699485	A689185	ANTHRACENE	0	3400		2570	ug/kg	75.6	
SPI02	Q1699485	A689185	BENZO(A)ANTHRACENE	0	3400		2990	ug/kg	87.9	
SPI02	Q1699485	A689185	BENZO(A)PYRENE	0	3400		2640	ug/kg	77.6	
SPI02	Q1699485	A689185	BENZO(B)FLUORANTHENE (3,4-	0	3400		3820	ug/kg	112.4	
SPI02	Q1699485	A689185	BENZO(G,H,I)PERYLENE	0	3400		3050	ug/kg	89.7	
SPI02	Q1699485	A689185	BENZO(K)FLUORANTHENE	0	3400		3120	ug/kg	91.8	
SPI02	Q1699485	A689185	CHRYSENE	0	3400		3480	ug/kg	102.4	
SPI02	Q1699485	A689185	DIBENZ(A,H)ANTHRACENE	0	3400		2570	ug/kg	75.6	
SPI02	Q1699485	A689185	FLUORANTHENE	0	3400		3320	ug/kg	97.6	
SPI02	Q1699485	A689185	FLUORENE	0	3400		2510	ug/kg	73.8	
SPI02	Q1699485	A689185	INDENO(1,2,3-CD)PYRENE	0	3400		2790	ug/kg	82.1	
SPI02	Q1699485	A689185	NAPHTHALENE	0	3400		2790	ug/kg	82.1	
SPI02	Q1699485	A689185	PHENANTHRENE	0	3400		3350	ug/kg	98.5	
SPI02	Q1699485	A689185	PYRENE	0	3400		2370	ug/kg	69.7	
DPS02	Q1699486	A689185	Analysis Date/Time: 10-Feb-05 21:33							
DPS02	Q1699486	A689185	ACENAPHTHENE	0	3410		2370	ug/kg	69.5	12.5
DPS02	Q1699486	A689185	ACENAPHTHYLENE	0	3410		2470	ug/kg	72.4	10.7
DPS02	Q1699486	A689185	ANTHRACENE	0	3410		2300	ug/kg	67.4	11.5
DPS02	Q1699486	A689185	BENZO(A)ANTHRACENE	0	3410		2690	ug/kg	78.9	10.8
DPS02	Q1699486	A689185	BENZO(A)PYRENE	0	3410		2380	ug/kg	69.8	10.6
DPS02	Q1699486	A689185	BENZO(B)FLUORANTHENE (3,4-	0	3410		3510	ug/kg	102.9	8.8
DPS02	Q1699486	A689185	BENZO(G,H,I)PERYLENE	0	3410		2910	ug/kg	85.3	5
DPS02	Q1699486	A689185	BENZO(K)FLUORANTHENE	0	3410		2550	ug/kg	74.8	20.4
DPS02	Q1699486	A689185	CHRYSENE	0	3410		3210	ug/kg	94.1	8.4
DPS02	Q1699486	A689185	DIBENZ(A,H)ANTHRACENE	0	3410		2580	ug/kg	75.7	0.1
DPS02	Q1699486	A689185	FLUORANTHENE	0	3410		2800	ug/kg	82.1	17.3
DPS02	Q1699486	A689185	FLUORENE	0	3410		2150	ug/kg	63	15.8
DPS02	Q1699486	A689185	INDENO(1,2,3-CD)PYRENE	0	3410		2680	ug/kg	78.6	4.4
DPS02	Q1699486	A689185	NAPHTHALENE	0	3410		2470	ug/kg	72.4	12.6
DPS02	Q1699486	A689185	PHENANTHRENE	0	3410		3060	ug/kg	89.7	9.4
DPS02	Q1699486	A689185	PYRENE	0	3410		2170	ug/kg	63.6	9.2

Q1699485	Unable to analyze sample at lower dilution due to high concentration of non-target compounds.				
Q1699486	Unable to analyze sample at lower dilution due to high concentration of non-target compounds.				



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QCType	Lab ID	Source	Parameter	True/Sampl	Spike Val	RQL	Observed	Units	% Rec	RPD
BLA02	Q1700948		EXTENDED RANGE ORGANICS (ERO)			BDL	10	MG/KG		
BLA02	Q1700948		1-CHLOROOCCTADECANE						114.6	
LCS	Q1700949		EXTENDED RANGE ORGANICS (ERO)	12.5			12.6	mg/kg	100.8	
SAMPLE	A689760		See Certificate of Analysis, Rep: 0							
SPI02	Q1700950	A689760	EXTENDED RANGE ORGANICS (ERO)	21	12.5 NQR		61.8	mg/kg		
DPS02	Q1700951	A689760	EXTENDED RANGE ORGANICS (ERO)	21	12.5 NQR		140	mg/kg		
SAMPLE	A689761		See Certificate of Analysis, Rep: 0							
SAMPLE	A689762		See Certificate of Analysis, Rep: 0							
SAMPLE	A689763		See Certificate of Analysis, Rep: 0							
SAMPLE	A689764		See Certificate of Analysis, Rep: 0							
SAMPLE	A689766		See Certificate of Analysis, Rep: 0							
SAMPLE	A689767		See Certificate of Analysis, Rep: 0							
CCV	Q1702274		EXTENDED RANGE ORGANICS (ERO)	100			104	mg/L	104	
CCV	Q1702274		1-CHLOROOCCTADECANE						109	
SAMPLE	A689771		See Certificate of Analysis, Rep: 0							
SAMPLE	A689772		See Certificate of Analysis, Rep: 0							
SAMPLE	A689773		See Certificate of Analysis, Rep: 0							
SAMPLE	A689774		See Certificate of Analysis, Rep: 0							
SAMPLE	A689775		See Certificate of Analysis, Rep: 0							
SAMPLE	A689776		See Certificate of Analysis, Rep: 0							
SAMPLE	A689777		See Certificate of Analysis, Rep: 0							
SAMPLE	A689778		See Certificate of Analysis, Rep: 0							
SAMPLE	A689779		See Certificate of Analysis, Rep: 0							
CCV	Q1702275		EXTENDED RANGE ORGANICS (ERO)	100			99.3	mg/L	99.3	
CCV	Q1702275		1-CHLOROOCCTADECANE						104	
SAMPLE	A689768		See Certificate of Analysis, Rep: 0							
SAMPLE	A689769		See Certificate of Analysis, Rep: 0							
SAMPLE	A689770		See Certificate of Analysis, Rep: 0							
CCV	Q1702276		EXTENDED RANGE ORGANICS (ERO)	100			98.1	mg/L	98.1	
CCV	Q1702276		1-CHLOROOCCTADECANE						103.2	
SAMPLE	A689765		See Certificate of Analysis, Rep: 0							
BLA02	Q1701338		EXTENDED RANGE ORGANICS (ERO)			BDL	10	MG/KG		
BLA02	Q1701338		1-CHLOROOCCTADECANE						104.5	
LCS	Q1701339		EXTENDED RANGE ORGANICS (ERO)	12.5			12.5	mg/kg	100	
SAMPLE	A689784		See Certificate of Analysis, Rep: 0							
CCV	Q1702277		EXTENDED RANGE ORGANICS (ERO)	100			103	mg/L	103	
CCV	Q1702277		1-CHLOROOCCTADECANE						105.7	
CCV	Q1702278		EXTENDED RANGE ORGANICS (ERO)	100			102	mg/L	102	
CCV	Q1702278		1-CHLOROOCCTADECANE						104.9	
SAMPLE	A689780		See Certificate of Analysis, Rep: 0							
SPI02	Q1701340	A689780	EXTENDED RANGE ORGANICS (ERO)	150	12.5 NQR		178	mg/kg		
DPS02	Q1701341	A689780	EXTENDED RANGE ORGANICS (ERO)	150	12.5 NQR		168	mg/kg		
SAMPLE	A689782		See Certificate of Analysis, Rep: 0							
SAMPLE	A689781		See Certificate of Analysis, Rep: 0							
CCV	Q1702279		EXTENDED RANGE ORGANICS (ERO)	100			102	mg/L	102	
CCV	Q1702279		1-CHLOROOCCTADECANE						105.9	
CCV	Q1702280		EXTENDED RANGE ORGANICS (ERO)	100			94.4	mg/L	94.4	
CCV	Q1702280		1-CHLOROOCCTADECANE						99.6	
SAMPLE	A689783		See Certificate of Analysis, Rep: 0							
CCV	Q1702281		EXTENDED RANGE ORGANICS (ERO)	100			96.1	mg/L	96.1	
CCV	Q1702281		1-CHLOROOCCTADECANE						102.2	

Q1700950	MS and MSD were not reported due to analyte levels in sample.
Q1700951	MS and MSD were not reported due to analyte levels in sample.
Q1701340	1:5 Dilution.
Q1701340	Recovery and RPD could not be reported due to high ERO levels in sample.

**HERITAGE ENVIRONMENTAL SERVICES, LLC**

BDL Below Detection Limit  
 NQR No QC Result. High Sample Concentration.

**ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B** **O410.3**  
**Prep : DRO ACCELERATED SOLVENT EXTRACTION SW846-3545**

R482706 Analyst: T PINCKERT Run Date: 14-Feb-05 Instrument: PREP  
 Prep Reviewer: E WERNZ Review Date: 15-Feb-05

QCType	Lab ID	Source	Parameter	True/Sampl	Spike Val	RQL	Observed	Units	% Rec	RPD
BLA02	Q1700948		Analytical Run: R482912							
LCS	Q1700949		Analytical Run: R482912							
SPI02	Q1700950	A689760	Analytical Run: R482912							
DPS02	Q1700951	A689760	Analytical Run: R482912							
SAMPLE	A689760	Rep: 0	Analytical Run: R482912							
SAMPLE	A689761	Rep: 0	Analytical Run: R482912							
SAMPLE	A689762	Rep: 0	Analytical Run: R482912							
SAMPLE	A689763	Rep: 0	Analytical Run: R482912							
SAMPLE	A689764	Rep: 0	Analytical Run: R482912							
SAMPLE	A689765	Rep: 0	Analytical Run: R482912							
SAMPLE	A689766	Rep: 0	Analytical Run: R482912							
SAMPLE	A689767	Rep: 0	Analytical Run: R482912							
SAMPLE	A689768	Rep: 0	Analytical Run: R482912							
SAMPLE	A689769	Rep: 0	Analytical Run: R482912							
SAMPLE	A689770	Rep: 0	Analytical Run: R482912							
SAMPLE	A689771	Rep: 0	Analytical Run: R482912							
SAMPLE	A689772	Rep: 0	Analytical Run: R482912							
SAMPLE	A689773	Rep: 0	Analytical Run: R482912							
SAMPLE	A689774	Rep: 0	Analytical Run: R482912							
SAMPLE	A689775	Rep: 0	Analytical Run: R482912							
SAMPLE	A689776	Rep: 0	Analytical Run: R482912							
SAMPLE	A689777	Rep: 0	Analytical Run: R482912							
SAMPLE	A689778	Rep: 0	Analytical Run: R482912							
SAMPLE	A689779	Rep: 0	Analytical Run: R482912							

Q1700950 MS and MSD were not reported due to analyte levels in sample.  
 Q1700951 MS and MSD were not reported due to analyte levels in sample.

R482762 Analyst: J HESS Run Date: 15-Feb-05 Instrument: PREP  
 Prep Reviewer: D EISELE Review Date: 16-Feb-05

QCType	Lab ID	Source	Parameter	True/Sampl	Spike Val	RQL	Observed	Units	% Rec	RPD
BLA02	Q1701338		Analytical Run: R482912							
LCS	Q1701339		Analytical Run: R482912							
SPI02	Q1701340	A689780	Analytical Run: R482912							
DPS02	Q1701341	A689780	Analytical Run: R482912							
SAMPLE	A689780	Rep: 0	Analytical Run: R482912							
SAMPLE	A689781	Rep: 0	Analytical Run: R482912							
SAMPLE	A689782	Rep: 0	Analytical Run: R482912							
SAMPLE	A689783	Rep: 0	Analytical Run: R482912							
SAMPLE	A689784	Rep: 0	Analytical Run: R482912							

Q1701340 1:5 Dilution.  
 Q1701340 Recovery and RPD could not be reported due to high ERO levels in sample.  
 Q1701341 1:5 Dilution.  
 Q1701341 Recovery and RPD could not be reported due to high ERO levels in sample.

R482912 Analyst: M WRIGHT Run Date: 15-Feb-05 Instrument: GC/FID  
 Analytical Reviewer: E WERNZ Review Date: 18-Feb-05

HERITAGE ENVIRONMENTAL SERVICES, LLC

QCType	Lab ID	Source	Parameter	True/Sampl	Spike Val	RQL	Observed	Units	% Rec	RPD
BLA02	Q1700952		DIESEL RANGE ORGANICS (DRO)			BDL	10	mg/kg		
BLA02	Q1700952		1-CHLOROOCATADECANE						90.3	
LCS	Q1700953		DIESEL RANGE ORGANICS (DRO)	12.5			12.5	mg/kg	100	
SAMPLE	A689760		See Certificate of Analysis, Rep: 0							
SPI02	Q1700954	A689760	DIESEL RANGE ORGANICS (DRO)	14	12.5 NQR		43	mg/kg		
DPS02	Q1700955	A689760	DIESEL RANGE ORGANICS (DRO)	14	12.5 NQR		93.2	mg/kg		
SAMPLE	A689761		See Certificate of Analysis, Rep: 0							
SAMPLE	A689762		See Certificate of Analysis, Rep: 0							
SAMPLE	A689763		See Certificate of Analysis, Rep: 0							
SAMPLE	A689764		See Certificate of Analysis, Rep: 0							
SAMPLE	A689765		See Certificate of Analysis, Rep: 0							
SAMPLE	A689766		See Certificate of Analysis, Rep: 0							
SAMPLE	A689767		See Certificate of Analysis, Rep: 0							
CCV	Q1702298		DIESEL RANGE ORGANICS (DRO)	100			100	mg/L	100	
CCV	Q1702298		1-CHLOROOCATADECANE						83.7	
SAMPLE	A689768		See Certificate of Analysis, Rep: 0							
SAMPLE	A689769		See Certificate of Analysis, Rep: 0							
SAMPLE	A689770		See Certificate of Analysis, Rep: 0							
SAMPLE	A689771		See Certificate of Analysis, Rep: 0							
SAMPLE	A689772		See Certificate of Analysis, Rep: 0							
SAMPLE	A689773		See Certificate of Analysis, Rep: 0							
SAMPLE	A689774		See Certificate of Analysis, Rep: 0							
SAMPLE	A689775		See Certificate of Analysis, Rep: 0							
SAMPLE	A689776		See Certificate of Analysis, Rep: 0							
SAMPLE	A689777		See Certificate of Analysis, Rep: 0							
SAMPLE	A689778		See Certificate of Analysis, Rep: 0							
SAMPLE	A689779		See Certificate of Analysis, Rep: 0							
CCV	Q1702299		DIESEL RANGE ORGANICS (DRO)	100			99.9	mg/L	99.9	
CCV	Q1702299		1-CHLOROOCATADECANE						82.7	
BLA02	Q1701342		DIESEL RANGE ORGANICS (DRO)			BDL	10	mg/kg		
BLA02	Q1701342		1-CHLOROOCATADECANE						82.5	
LCS	Q1701343		DIESEL RANGE ORGANICS (DRO)	12.5			13	mg/kg	104	
SAMPLE	A689780		See Certificate of Analysis, Rep: 0							
SPI02	Q1701344	A689780	DIESEL RANGE ORGANICS (DRO)	120	12.5 NQR		139	mg/kg		
DPS02	Q1701345	A689780	DIESEL RANGE ORGANICS (DRO)	120	12.5 NQR		139	mg/kg		
SAMPLE	A689781		See Certificate of Analysis, Rep: 0							
SAMPLE	A689782		See Certificate of Analysis, Rep: 0							
SAMPLE	A689784		See Certificate of Analysis, Rep: 0							
CCV	Q1702300		DIESEL RANGE ORGANICS (DRO)	100			99.3	mg/L	99.3	
CCV	Q1702300		1-CHLOROOCATADECANE						82	
CCV	Q1702301		DIESEL RANGE ORGANICS (DRO)	100			98.3	mg/L	98.3	
CCV	Q1702301		1-CHLOROOCATADECANE						79.6	
SAMPLE	A689783		See Certificate of Analysis, Rep: 0							
CCV	Q1702302		DIESEL RANGE ORGANICS (DRO)	100			98.9	mg/L	98.9	
CCV	Q1702302		1-CHLOROOCATADECANE						80.1	

Q1700954	Percent recovery and percent RPD could not be reported due to high levels of DRO
Q1700954	in sample.
Q1700955	Percent recovery and percent RPD could not be reported due to high levels of DRO
Q1700955	in sample.
Q1701344	1:5 Dilution.
Q1701344	MS and MSD recoveries skewed high due to levels of DRO in sample.
Q1701345	1:5 Dilution.
Q1701345	MS and MSD recoveries skewed high due to levels of DRO in sample.

Qualifiers

HERITAGE ENVIRONMENTAL SERVICES, LLC

DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B O409.8  
 Prep : DRO ACCELERATED SOLVENT EXTRACTION SW846-3545

R482706 Prep	Analyst: T PINCKERT Reviewer: E WERNZ		Run Date: 14-Feb-05 Review Date: 15-Feb-05		Instrument: PREP					
QCType	Lab ID	Source	Parameter	True/Sampl	Spike Val	RQL	Observed	Units	% Rec	RPD
BLA02	Q1700952		Analytical Run: R482916							
LCS	Q1700953		Analytical Run: R482916							
SPI02	Q1700954	A689760	Analytical Run: R482916							
DPS02	Q1700955	A689760	Analytical Run: R482916							
SAMPLE	A689760	Rep: 0	Analytical Run: R482916							
SAMPLE	A689761	Rep: 0	Analytical Run: R482916							
SAMPLE	A689762	Rep: 0	Analytical Run: R482916							
SAMPLE	A689763	Rep: 0	Analytical Run: R482916							
SAMPLE	A689764	Rep: 0	Analytical Run: R482916							
SAMPLE	A689765	Rep: 0	Analytical Run: R482916							
SAMPLE	A689766	Rep: 0	Analytical Run: R482916							
SAMPLE	A689767	Rep: 0	Analytical Run: R482916							
SAMPLE	A689768	Rep: 0	Analytical Run: R482916							
SAMPLE	A689769	Rep: 0	Analytical Run: R482916							
SAMPLE	A689770	Rep: 0	Analytical Run: R482916							
SAMPLE	A689771	Rep: 0	Analytical Run: R482916							
SAMPLE	A689772	Rep: 0	Analytical Run: R482916							
SAMPLE	A689773	Rep: 0	Analytical Run: R482916							
SAMPLE	A689774	Rep: 0	Analytical Run: R482916							
SAMPLE	A689775	Rep: 0	Analytical Run: R482916							
SAMPLE	A689776	Rep: 0	Analytical Run: R482916							
SAMPLE	A689777	Rep: 0	Analytical Run: R482916							
SAMPLE	A689778	Rep: 0	Analytical Run: R482916							
SAMPLE	A689779	Rep: 0	Analytical Run: R482916							

Q1700954	Percent recovery and percent RPD could not be reported due to high levels of DRO									
Q1700954	in sample.									
Q1700955	Percent recovery and percent RPD could not be reported due to high levels of DRO									
Q1700955	in sample.									

R482762 Prep	Analyst: J HESS Reviewer: D EISELE		Run Date: 15-Feb-05 Review Date: 16-Feb-05		Instrument: PREP					
QCType	Lab ID	Source	Parameter	True/Sampl	Spike Val	RQL	Observed	Units	% Rec	RPD
BLA02	Q1701342		Analytical Run: R482916							
LCS	Q1701343		Analytical Run: R482916							
SPI02	Q1701344	A689780	Analytical Run: R482916							
DPS02	Q1701345	A689780	Analytical Run: R482916							
SAMPLE	A689780	Rep: 0	Analytical Run: R482916							
SAMPLE	A689781	Rep: 0	Analytical Run: R482916							
SAMPLE	A689782	Rep: 0	Analytical Run: R482916							
SAMPLE	A689783	Rep: 0	Analytical Run: R482916							
SAMPLE	A689784	Rep: 0	Analytical Run: R482916							

Q1701344	1:5 Dilution.									
Q1701344	MS and MSD recoveries skewed high due to levels of DRO in sample.									
Q1701345	1:5 Dilution.									
Q1701345	MS and MSD recoveries skewed high due to levels of DRO in sample.									

R482916 Analytical	Analyst: M WRIGHT Reviewer: E WERNZ		Run Date: 16-Feb-05 Review Date: 21-Feb-05		Instrument: GC/FID				
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## QUALITY ASSURANCE REPORT

**Submitter**  
 BRUCE WINNINGHAM  
 KERAMIDA ENVIRONMENTAL  
 330 NORTH COLLEGE AVENUE  
 INDIANAPOLIS, IN 46202

Client ID	Lab Sample ID	Date/Time Sampled	Date Received	Date Complete
PROJECT NUMBER 10588				
S-17 DUPLICATE.....	A689772	10-Feb-05 13:25	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-1.....	A689773	09-Feb-05 16:10	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-2.....	A689774	09-Feb-05 16:10	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-3.....	A689775	09-Feb-05 16:15	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-4.....	A689776	09-Feb-05 16:20	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-5.....	A689777	09-Feb-05 16:25	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-6.....	A689778	11-Feb-05 09:45	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-7.....	A689779	10-Feb-05 11:40	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-9.....	A689780	10-Feb-05 12:20	14-Feb-05	01-Mar-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-10.....	A689781	10-Feb-05 12:25	14-Feb-05	01-Mar-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-11.....	A689782	10-Feb-05 12:30	14-Feb-05	28-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-12.....	A689783	10-Feb-05 12:40	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-13.....	A689784	10-Feb-05 13:05	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				

## QUALITY ASSURANCE REPORT

Report Date : 02-Mar-05

**Service Location**  
 Heritage Environmental Services, LLC  
 Commercial Laboratory Operations  
 7901 West Morris Street  
 Indianapolis, IN 46231  
 (317) 243-8304

**Submitter**  
 BRUCE WINNINGHAM  
 KERAMIDA ENVIRONMENTAL  
 330 NORTH COLLEGE AVENUE  
 INDIANAPOLIS, IN 46202

Client ID	Lab Sample ID	Date/Time Sampled	Date Received	Date Complete
S-14.....	A689760	10-Feb-05 13:10	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-15.....	A689761	10-Feb-05 12:31	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-16.....	A689762	10-Feb-05 13:20	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-17.....	A689763	10-Feb-05 13:25	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-18.....	A689764	11-Feb-05 09:30	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-19.....	A689765	11-Feb-05 10:00	14-Feb-05	28-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-20.....	A689766	11-Feb-05 11:35	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-21.....	A689767	11-Feb-05 11:40	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-22.....	A689768	11-Feb-05 11:45	14-Feb-05	01-Mar-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-23.....	A689769	11-Feb-05 12:00	14-Feb-05	28-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-24.....	A689770	11-Feb-05 12:10	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				
PROJECT NUMBER 10588				
S-7 DUPLICATE.....	A689771	10-Feb-05 11:40	14-Feb-05	21-Feb-05
PROJECT NAME STUDEBAKER/OLIVER				



INDENO(1,2,3-CD)PYRENE	0.60	0.33	mg/kg
NAPHTHALENE	BDL	0.33	mg/kg
PHENANTHRENE	2.2	0.33	mg/kg
PYRENE	2.1	0.33	ug/kg
...			
SURROGATE RECOVERY			
-----			
NITROBENZENE-D5	82		% Rec
2-FLUOROBIPHENYL	85		% Rec
TERPHENYL-D14	63		% Rec

Sample Comments

AMENDED REPORT - DCE - 22-FEB-05 :ADDED BTEX/PNA PER CLIENT'S REQUEST

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 32662.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 01-MAR-05



1-CHLOROOCCTADECANE	79.9		% Rec
1:5 Dilution.			

PURGEABLE AROMATICS BY GC/MS (BTEX) SW846-8260B			NELAC:Y
Analyst: H. WILLIAMS	Analysis Date: 24-FEB-05 09:42	Instrument: GC/MS VOA	Test: O560.3.0
Parameter	Result	Det. Limit	Units
BENZENE	BDL	0.0050	mg/kg
ETHYL BENZENE	BDL	0.0050	mg/kg
TOLUENE	BDL	0.0050	mg/kg
XYLENES (O/M/P-XYLENE)	BDL	0.0050	mg/kg
...			
SURROGATE RECOVERY			
-----			
DICHLOROETHANE-D4	81		% Rec
TOLUENE-D8	87		% Rec
4-BROMOFLUOROBENZENE	74		% Rec
Prep Method SW846-5030B Purge and Trap			

GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A			
Analyst: J. MINNIEAR, II	Analysis Date: 23-FEB-05	Instrument: PREP	Test: P236.4.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	30.11		Grams
FINAL VOLUME	1.0		mL

SEMI-VOLATILE ORGANICS (BASE/NEUTRAL FRACTIONS) SW846-8270C			NELAC:Y
Analyst: C. WILLHITE	Analysis Date: 25-FEB-05 21:19	Instrument: GC/MS SVOA	Test: O517.3.0
Prep: GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A P236.4.0			
Parameter	Result	Det. Limit	Units
ACENAPHTHENE	BDL	0.33	mg/kg
ACENAPHTHYLENE	BDL	0.33	mg/kg
ANTHRACENE	0.60	0.33	mg/kg
BENZO(A)ANTHRACENE	1.0	0.33	mg/kg
BENZO(A)PYRENE	0.85	0.33	mg/kg
BENZO(B)FLUORANTHENE	0.75	0.33	mg/kg
BENZO(G,H,I)PERYLENE	0.55	0.33	mg/kg
BENZO(K)FLUORANTHENE	0.80	0.33	mg/kg
CHRYSENE	1.2	0.33	mg/kg
DIBENZ(A,H)ANTHRACENE	0.40	0.33	mg/kg
FLUORANTHENE	1.9	0.33	mg/kg
FLUORENE	BDL	0.33	mg/kg





### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b>	<b>Project</b>	<b>Lab ID</b>
	14-FEB-05		A689785
	<b>Completed</b>	<b>PO Number</b>	
01-MAR-05	10588		
	<b>Printed</b>	<b>Sampled</b>	
	02-MAR-05	11-FEB-05 12:10	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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**Sample Description**

CLIENT ID: S-24 DUPLICATE  
 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT  
 SUBMITTER CODE: 1618  
 PROJECT NAME: STUDEBAKER/OLIVER  
 PROJECT NUMBER: 10588

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: J. HESS	Analysis Date: 15-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
INITIAL WEIGHT OR VOLUME	20.01		Grams
FINAL VOLUME	5.0		mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
DIESEL RANGE ORGANICS (DRO)	110	50	mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROOCYTADECANE	86.0		% Rec
1:5 Dilution.			

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
EXTENDED RANGE ORGANICS (ERO)	120	50	mg/kg
...			
SURROGATE RECOVERY			
-----			



1-CHLOROOCCTADECANE	106.2		% Rec
1:2 Dilution.			

**Sample Comments**

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1660.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 23-FEB-05



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689770
	<b>Completed</b> 21-FEB-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 11-FEB-05 12:10	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b> CLIENT ID: S-24 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
--

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.01 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ... SURROGATE RECOVERY ----- 1-CHLOROOCYTADECANE	<b>Result</b> 49  80.4	<b>Det. Limit</b>  20	<b>Units</b> mg/kg  % Rec
1:2 Dilution.			

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) ... SURROGATE RECOVERY -----	<b>Result</b> 69	<b>Det. Limit</b>  20	<b>Units</b> mg/kg



PHENANTHRENE	BDL	0.33	mg/kg
PYRENE	BDL	0.33	mg/kg
...			
SURROGATE RECOVERY			
-----			
NITROBENZENE-D5	88		% Rec
2-FLUOROBIPHENYL	93		% Rec
TERPHENYL-D14	45		% Rec

Sample Comments

AMENDED REPORT - DCE - 22-FEB-05 :ADDED BTEX/PNA PER CLIENT'S REQUEST

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1660.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 01-MAR-05



1-CHLOROOCCTADECANE	105.3		% Rec
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PURGEABLE AROMATICS BY GC/MS (BTEX) SW846-8260B			NELAC:Y
Analyst: H. WILLIAMS		Analysis Date: 23-FEB-05 21:37	Instrument: GC/MS VOA
		Test: 0560.3.0	
Parameter	Result	Det. Limit	Units
BENZENE	BDL	0.0050	mg/kg
ETHYL BENZENE	BDL	0.0050	mg/kg
TOLUENE	BDL	0.0050	mg/kg
XYLENES (O/M/P-XYLENE)	BDL	0.0050	mg/kg
...			
SURROGATE RECOVERY			
-----			
DICHLOROETHANE-D4	85		% Rec
TOLUENE-D8	92		% Rec
4-BROMOFLUOROBENZENE	96		% Rec
Prep Method SW846-5030B Purge and Trap			

GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A			
Analyst: J. MINNIEAR, II		Analysis Date: 23-FEB-05	Instrument: PREP
		Test: P236.4.0	
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	30.32		Grams
FINAL VOLUME	1.0		mL

SEMI-VOLATILE ORGANICS (BASE/NEUTRAL FRACTIONS) SW846-8270C			NELAC:Y
Analyst: C. WILLHITE		Analysis Date: 25-FEB-05 18:40	Instrument: GC/MS SVOA
		Test: 0517.3.0	
Prep: GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A P236.4.0			
Parameter	Result	Det. Limit	Units
ACENAPHTHENE	BDL	0.33	mg/kg
ACENAPHTHYLENE	BDL	0.33	mg/kg
ANTHRACENE	BDL	0.33	mg/kg
BENZO(A)ANTHRACENE	BDL	0.33	mg/kg
BENZO(A)PYRENE	BDL	0.33	mg/kg
BENZO(B)FLUORANTHENE	BDL	0.33	mg/kg
BENZO(G,H,I)PERYLENE	BDL	0.33	mg/kg
BENZO(K)FLUORANTHENE	BDL	0.33	mg/kg
CHRYSENE	BDL	0.33	mg/kg
DIBENZ(A,H)ANTHRACENE	BDL	0.33	mg/kg
FLUORANTHENE	BDL	0.33	mg/kg
FLUORENE	BDL	0.33	mg/kg
INDENO(1,2,3-CD)PYRENE	BDL	0.33	mg/kg
NAPHTHALENE	BDL	0.33	mg/kg



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689769
	<b>Completed</b> 28-FEB-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 11-FEB-05 12:00	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b> CLIENT ID: S-23 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
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<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.02 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ..... SURROGATE RECOVERY ----- 1-CHLOROOCATADECANE	<b>Result</b> 290  156.7	<b>Det. Limit</b>  100	<b>Units</b> mg/kg  % Rec
1:10 Dilution.			

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) .... SURROGATE RECOVERY -----	<b>Result</b> 210	<b>Det. Limit</b>  10	<b>Units</b> mg/kg



FLUORANTHENE	4.7	1.7	mg/kg
FLUORENE	BDL	1.7	mg/kg
INDENO(1,2,3-CD)PYRENE	2.2	1.7	mg/kg
NAPHTHALENE	BDL	1.7	mg/kg
PHENANTHRENE	BDL	1.7	mg/kg
PYRENE	5.1	1.7	mg/kg
...			
SURROGATE RECOVERY			
-----			
NITROBENZENE-D5	80		% Rec
2-FLUOROBIPHENYL	88		% Rec
TERPHENYL-D14	44		% Rec

1:5 Dilution

Unable to analyze sample at lower dilution due to high concentration of non-target compounds.

Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED BTEX/PNAS

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1660.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAP*

Approved by: PAULINE SPENCE 01-MAR-05



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689768
	<b>Completed</b> 01-MAR-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 11-FEB-05 11:45	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b> CLIENT ID: S-22 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
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<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.01 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ... SURROGATE RECOVERY ----- 1-CHLOROOCYTADECANE	<b>Result</b> 93  130	<b>Det. Limit</b>  50	<b>Units</b> mg/kg  % Rec
1:5 Dilution.			

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) ... SURROGATE RECOVERY -----	<b>Result</b> 110	<b>Det. Limit</b>  50	<b>Units</b> mg/kg





1-CHLOROOCCTADECANE	121.5		% Rec
1:5 Dilution.			

PURGEABLE AROMATICS BY GC/MS (BTEX) SW846-8260B			NELAC:Y
Analyst: H. WILLIAMS	Analysis Date: 24-FEB-05 08:29	Instrument: GC/MS VOA	Test: 0560.3.0
Parameter	Result	Det. Limit	Units
BENZENE	BDL	0.0050	mg/kg
ETHYL BENZENE	BDL	0.0050	mg/kg
TOLUENE	BDL	0.0050	mg/kg
XYLENES (O/M/P-XYLENE)	BDL	0.0050	mg/kg
...			
SURROGATE RECOVERY			
-----			
DICHLOROETHANE-D4	79		% Rec
TOLUENE-D8	85		% Rec
4-BROMOFLUOROBENZENE	62		% Rec
Sample failed method internal standard area criteria. Sample reanalyzed with no improvement.			
Prep Method SW846-5030B Purge and Trap			

GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A			
Analyst: J. MINNIEAR, II	Analysis Date: 23-FEB-05	Instrument: PREP	Test: P236.4.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	30.03		Grams
FINAL VOLUME	1.0		mL

SEMI-VOLATILE ORGANICS (BASE/NEUTRAL FRACTIONS) SW846-8270C			NELAC:Y
Analyst: C. WILLHITE	Analysis Date: 25-FEB-05 18:01	Instrument: GC/MS SVOA	Test: 0517.3.0
Prep: GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A P236.4.0			
Parameter	Result	Det. Limit	Units
ACENAPHTHENE	BDL	1.7	mg/kg
ACENAPHTHYLENE	BDL	1.7	mg/kg
ANTHRACENE	BDL	1.7	mg/kg
BENZO(A)ANTHRACENE	2.6	1.7	mg/kg
BENZO(A)PYRENE	2.2	1.7	mg/kg
BENZO(B)FLUORANTHENE	2.0	1.7	mg/kg
BENZO(G,H,I)PERYLENE	1.8	1.7	mg/kg
BENZO(K)FLUORANTHENE	2.3	1.7	mg/kg
CHRYSENE	3.0	1.7	mg/kg
DIBENZ(A,H)ANTHRACENE	BDL	1.7	mg/kg



Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1660.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 23-FEB-05



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689767
	<b>Completed</b> 21-FEB-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 11-FEB-05 11:40	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b> CLIENT ID: S-21 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
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<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.04 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ... SURROGATE RECOVERY ----- 1-CHLOROOCATADECANE	<b>Result</b> BDL  62.3	<b>Det. Limit</b>  10	<b>Units</b> mg/kg  % Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) ... SURROGATE RECOVERY ----- 1-CHLOROOCATADECANE	<b>Result</b> BDL  74.1	<b>Det. Limit</b>  10	<b>Units</b> mg/kg  % Rec



Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1660.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QA*

Approved by: PAULINE SPENCE 23-FEB-05



## CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b>	<b>Project</b>	<b>Lab ID</b>
	14-FEB-05		A689766
	<b>Completed</b>	<b>PO Number</b>	
	21-FEB-05	10588	
	<b>Printed</b>	<b>Sampled</b>	
	02-MAR-05	11-FEB-05 11:35	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b>
CLIENT ID: S-20 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
INITIAL WEIGHT OR VOLUME	20.02		Grams
FINAL VOLUME	5.0		mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
DIESEL RANGE ORGANICS (DRO)	23	10	mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROOCYTADECANE	91.8		% Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
EXTENDED RANGE ORGANICS (ERO)	47	10	mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROOCYTADECANE	108.8		% Rec



-----			
1-CHLOROCTADECANE	135.0		% Rec
1:20 Dilution.			

PURGEABLE AROMATICS BY GC/MS (BTEX) SW846-8260B			NELAC:Y
Analyst: H. WILLIAMS	Analysis Date: 23-FEB-05 14:36	Instrument: GC/MS VOA	Test: O560.3.0
Parameter	Result	Det. Limit	Units
BENZENE	BDL	0.0050	mg/kg
ETHYL BENZENE	BDL	0.0050	mg/kg
TOLUENE	BDL	0.0050	mg/kg
XYLENES (O/M/P-XYLENE)	BDL	0.0050	mg/kg
...			
SURROGATE RECOVERY			
-----			
DICHLOROETHANE-D4	96		% Rec
TOLUENE-D8	88		% Rec
4-BROMOFLUOROBENZENE	68		% Rec
Sample failed method internal standard area criteria. Sample reanalyzed with no improvement.			
Prep Method SW846-5030B Purge and Trap			

GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A			
Analyst: J. MINNIEAR, II	Analysis Date: 23-FEB-05	Instrument: PREP	Test: P236.4.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	30.13		Grams
FINAL VOLUME	1.0		mL

SEMI-VOLATILE ORGANICS (BASE/NEUTRAL FRACTIONS) SW846-8270C			NELAC:Y
Analyst: C. WILLHITE	Analysis Date: 25-FEB-05 17:22	Instrument: GC/MS SVOA	Test: O517.3.0
Prep: GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A P236.4.0			
Parameter	Result	Det. Limit	Units
ACENAPHTHENE	BDL	0.33	mg/kg
ACENAPHTHYLENE	BDL	0.33	mg/kg
ANTHRACENE	BDL	0.33	mg/kg
BENZO(A)ANTHRACENE	1.1	0.33	mg/kg
BENZO(A)PYRENE	1.6	0.33	mg/kg
BENZO(B)FLUORANTHENE	1.8	0.33	mg/kg
BENZO(G,H,I)PERYLENE	1.8	0.33	mg/kg
BENZO(K)FLUORANTHENE	1.2	0.33	mg/kg
CHRYSENE	1.4	0.33	mg/kg



DIBENZ(A,H)ANTHRACENE	0.54	0.33	mg/kg
FLUORANTHENE	2.1	0.33	mg/kg
FLUORENE	BDL	0.33	mg/kg
INDENO(1,2,3-CD)PYRENE	1.4	0.33	mg/kg
NAPHTHALENE	BDL	0.33	mg/kg
PHENANTHRENE	0.94	0.33	mg/kg
PYRENE	2.7	0.33	mg/kg
...			
SURROGATE RECOVERY			
-----			
NITROBENZENE-D5	65		% Rec
2-FLUOROBIPHENYL	80		% Rec
TERPHENYL-D14	52		% Rec

Sample Comments

AMENDED REPORT - DCE - 22-FEB-05 :ADDED BTEX/PNA PER CLIENT'S REQUEST

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1660.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QA*

Approved by: PAULINE SPENCE 01-MAR-05



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689765
	<b>Completed</b> 28-FEB-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 11-FEB-05 10:00	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b> CLIENT ID: S-19 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
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<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.04 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ..... SURROGATE RECOVERY ----- 1-CHLOROOCATADECANE	<b>Result</b> 270  263	<b>Det. Limit</b>  200	<b>Units</b> mg/kg  % Rec
1:20 Dilution. Surrogate skewed high due to matrix interference.			

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) .... SURROGATE RECOVERY	<b>Result</b> 360	<b>Det. Limit</b>  200	<b>Units</b> mg/kg





Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1660.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 23-FEB-05



## CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b>	14-FEB-05	<b>Project</b>	<b>Lab ID</b>
	<b>Completed</b>	21-FEB-05	<b>PO Number</b>	
	<b>Printed</b>	02-MAR-05	<b>Sampled</b>	
		10588		11-FEB-05 09:30

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b>
CLIENT ID: S-18 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.00		Grams
FINAL VOLUME	5.0		mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
Parameter	Result	Det. Limit	Units
DIESEL RANGE ORGANICS (DRO)	35	10	mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROCTADECANE	92.9		% Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
Parameter	Result	Det. Limit	Units
EXTENDED RANGE ORGANICS (ERO)	53	10	mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROCTADECANE	117.0		% Rec



Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1660.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QA*

Approved by: PAULINE SPENCE 23-FEB-05



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b>	<b>Project</b>	<b>Lab ID</b>
	14-FEB-05		A689772
	<b>Completed</b>	<b>PO Number</b>	
	21-FEB-05	10588	
	<b>Printed</b>	<b>Sampled</b>	
	02-MAR-05	10-FEB-05 13:25	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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**Sample Description**

CLIENT ID: S-17 DUPLICATE  
 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT  
 SUBMITTER CODE: 1618  
 PROJECT NAME: STUDEBAKER/OLIVER  
 PROJECT NUMBER: 10588

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
INITIAL WEIGHT OR VOLUME	20.01		Grams
FINAL VOLUME	5.0		mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
DIESEL RANGE ORGANICS (DRO)	BDL		10 mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROCTADECANE	66.8		% Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
EXTENDED RANGE ORGANICS (ERO)	11		10 mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROCTADECANE	79.3		% Rec



Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1660.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 23-FEB-05



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689763
	<b>Completed</b> 21-FEB-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 10-FEB-05 13:25	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b> CLIENT ID: S-17 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
--

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME	<b>Result</b> 20.00	<b>Det. Limit</b>	<b>Units</b> Grams
FINAL VOLUME	5.0		mL

<b>DRO (CA/IA/IN/OKWI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO)	<b>Result</b> BDL	<b>Det. Limit</b>	<b>Units</b> 10 mg/kg
... SURROGATE RECOVERY			
----- 1-CHLOROOCCTADECANE	73.6		% Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO)	<b>Result</b> BDL	<b>Det. Limit</b>	<b>Units</b> 10 mg/kg
... SURROGATE RECOVERY			
----- 1-CHLOROOCCTADECANE	89.6		% Rec



Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1660.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 23-FEB-05



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689762
	<b>Completed</b> 21-FEB-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 10-FEB-05 13:20	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b> CLIENT ID: S-16 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
--

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.01 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ... SURROGATE RECOVERY ----- 1-CHLOROOCYTADECANE	<b>Result</b> 34  90.8	<b>Det. Limit</b>  10	<b>Units</b> mg/kg  % Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) ... SURROGATE RECOVERY ----- 1-CHLOROOCYTADECANE	<b>Result</b> 53  121.0	<b>Det. Limit</b>  10	<b>Units</b> mg/kg  % Rec





Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1660.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QA*

Approved by: PAULINE SPENCE 23-FEB-05



## CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b>	14-FEB-05	<b>Project</b>	<b>Lab ID</b>
	<b>Completed</b>	21-FEB-05	<b>PO Number</b>	
	<b>Printed</b>	02-MAR-05	<b>Sampled</b>	
				10588
				10-FEB-05 12:31

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b>
CLIENT ID: S-15 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
INITIAL WEIGHT OR VOLUME	20.03		Grams
FINAL VOLUME	5.0		mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
DIESEL RANGE ORGANICS (DRO)	BDL	10	mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROOCCTADECANE	81.0		% Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b>	<b>Result</b>	<b>Det. Limit</b>	<b>Units</b>
EXTENDED RANGE ORGANICS (ERO)	BDL	10	mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROOCCTADECANE	103.9		% Rec



1-CHLOROOCCTADECANE	112.7		% Rec
MS and MSD were not reported due to analyte levels in samples.			

Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER  
 AMENDED REPORT - PKS - 02-MAR-05 : Comment added to ERO result.  
 Sample was received on ice at temperature 5.6 C.  
 Sample chain of custody number 1660.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 02-MAR-05



## CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b>	<b>Project</b>	<b>Lab ID</b>
	14-FEB-05		A68976
	<b>Completed</b>	<b>PO Number</b>	
21-FEB-05	10588		
<b>Printed</b>	<b>Sampled</b>		
02-MAR-05	10-FEB-05 13:10		

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b>
CLIENT ID: S-14 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			NELAC:Y
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.00		Grams
FINAL VOLUME	5.0		mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			NELAC:Y
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:1	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
Parameter	Result	Det. Limit	Units
DIESEL RANGE ORGANICS (DRO)	14	10	mg/kg
...			
SURROGATE RECOVERY			
-----			
1-CHLOROOCATADECANE	84.6		% Rec
Percent recovery and percent RPD on matrix spikes could not be reported due to high levels of DRO in sample.			

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			NELAC:Y
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:5	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
Parameter	Result	Det. Limit	Units
EXTENDED RANGE ORGANICS (ERO)	21	10	mg/kg
...			
SURROGATE RECOVERY			
-----			



Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1659.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QA*

Approved by: PAULINE SPENCE 23-FEB-05



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689784
	<b>Completed</b> 21-FEB-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 10-FEB-05 13:05	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b> CLIENT ID: S-13 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
--

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: J. HESS	Analysis Date: 15-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.03 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ... SURROGATE RECOVERY ----- 1-CHLOROOCCTADECANE	<b>Result</b> 16   68.4	<b>Det. Limit</b>	<b>Units</b> 10 mg/kg   % Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) ... SURROGATE RECOVERY ----- 1-CHLOROOCCTADECANE	<b>Result</b> 30   88.7	<b>Det. Limit</b>	<b>Units</b> 10 mg/kg   % Rec



1-CHLOROOCCTADECANE	79.2		% Rec
1:5 Dilution.			

**Sample Comments**

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER  
Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1659.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 23-FEB-05



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689783
	<b>Completed</b> 21-FEB-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 10-FEB-05 12:40	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b> CLIENT ID: S-12 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
--

<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: J. HESS	Analysis Date: 15-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.02 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ... SURROGATE RECOVERY ----- 1-CHLOROOCYTADECANE	<b>Result</b> 42  76.2	<b>Det. Limit</b>  20	<b>Units</b> mg/kg  % Rec
1:2 Dilution.			

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) ... SURROGATE RECOVERY -----	<b>Result</b> 51	<b>Det. Limit</b>  50	<b>Units</b> mg/kg





CHRYSENE	BDL	0.33	mg/kg
DIBENZ(A,H)ANTHRACENE	BDL	0.33	mg/kg
FLUORANTHENE	BDL	0.33	mg/kg
FLUORENE	BDL	0.33	mg/kg
INDENO(1,2,3-CD)PYRENE	0.34	0.33	mg/kg
NAPHTHALENE	BDL	0.33	mg/kg
PHENANTHRENE	BDL	0.33	mg/kg
PYRENE	BDL	0.33	mg/kg
...			
SURROGATE RECOVERY			
-----			
NITROBENZENE-D5	67		% Rec
2-FLUOROBIPHENYL	74		% Rec
TERPHENYL-D14	49		% Rec

Sample Comments

AMENDED REPORT - DCE - 22-FEB-05 :ADDED BTEX/PNA PER CLIENT'S REQUEST

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1659.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAS*

Approved by: PAULINE SPENCE 01-MAR-05



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689782
	<b>Completed</b> 28-FEB-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 10-FEB-05 12:30	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b> CLIENT ID: S-11 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
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<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: J. HESS	Analysis Date: 15-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.00 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ... SURROGATE RECOVERY ----- 1-CHLOROCTADECANE	<b>Result</b> 110  116.0	<b>Det. Limit</b>  50	<b>Units</b> mg/kg  % Rec
1:5 Dilution.			

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) ... SURROGATE RECOVERY -----	<b>Result</b> 120	<b>Det. Limit</b>  50	<b>Units</b> mg/kg



1-CHLOROOCCTADECANE	119.9		% Rec
1:5 Dilution.			

PURGEABLE AROMATICS BY GC/MS (BTEX) SW846-8260B			NELAC:Y
Analyst: H. WILLIAMS	Analysis Date: 23-FEB-05 17:47	Instrument: GC/MS VOA	Test: O560.3.0
Parameter	Result	Det. Limit	Units
BENZENE	BDL	0.0050	mg/kg
ETHYL BENZENE	BDL	0.0050	mg/kg
TOLUENE	BDL	0.0050	mg/kg
XYLENES (O/M/P-XYLENE)	BDL	0.0050	mg/kg
...			
SURROGATE RECOVERY			
-----			
DICHLOROETHANE-D4	94		% Rec
TOLUENE-D8	82		% Rec
4-BROMOFLUOROBENZENE	54		% Rec
Sample failed lab-generated surrogate recovery criteria. Sample reanalyzed with no improvement.			
Sample failed method internal standard area criteria. Sample reanalyzed with no improvement.			
Prep Method SW846-5030B Purge and Trap			

GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A			
Analyst: J. MINNIEAR, II	Analysis Date: 23-FEB-05	Instrument: PREP	Test: P236.4.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	30.17		Grams
FINAL VOLUME	1.0		mL

SEMI-VOLATILE ORGANICS (BASE/NEUTRAL FRACTIONS) SW846-8270C			NELAC:Y
Analyst: C. WILLHITE	Analysis Date: 25-FEB-05 20:39	Instrument: GC/MS SVOA	Test: O517.3.0
Prep: GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A P236.4.0			
Parameter	Result	Det. Limit	Units
ACENAPHTHENE	BDL	0.33	mg/kg
ACENAPHTHYLENE	BDL	0.33	mg/kg
ANTHRACENE	BDL	0.33	mg/kg
BENZO(A)ANTHRACENE	BDL	0.33	mg/kg
BENZO(A)PYRENE	BDL	0.33	mg/kg
BENZO(B)FLUORANTHENE	BDL	0.33	mg/kg
BENZO(G,H,I)PERYLENE	BDL	0.33	mg/kg
BENZO(K)FLUORANTHENE	BDL	0.33	mg/kg



FLUORANTHENE	BDL	0.33	mg/kg
FLUORENE	BDL	0.33	mg/kg
INDENO(1,2,3-CD)PYRENE	BDL	0.33	mg/kg
NAPHTHALENE	BDL	0.33	mg/kg
PHENANTHRENE	BDL	0.33	mg/kg
PYRENE	BDL	0.33	mg/kg
...			
SURROGATE RECOVERY			
-----			
NITROBENZENE-D5	59		% Rec
2-FLUOROBIPHENYL	75		% Rec
TERPHENYL-D14	53		% Rec

Sample Comments

AMENDED REPORT - DCE - 22-FEB-05 :ADDED BTEX/PNA PER CLIENT'S REQUEST

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1659.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QMS*

Approved by: PAULINE SPENCE 01-MAR-05



1-CHLOROOCCTADECANE	97.1		% Rec
1:5 Dilution.			

PURGEABLE AROMATICS BY GC/MS (BTEX) SW846-8260B			NELAC:Y
Analyst: H. WILLIAMS		Analysis Date: 24-FEB-05 11:37 Instrument: GC/MS VOA Test: O560.3.0	
Parameter	Result	Det. Limit	Units
BENZENE	BDL	0.0050	mg/kg
ETHYL BENZENE	BDL	0.0050	mg/kg
TOLUENE	BDL	0.0050	mg/kg
XYLENES (O/M/P-XYLENE)	BDL	0.0050	mg/kg
...			
SURROGATE RECOVERY			
-----			
DICHLOROETHANE-D4	78		% Rec
TOLUENE-D8	83		% Rec
4-BROMOFLUOROBENZENE	64		% Rec
Sample failed method internal standard area criteria. Sample reanalyzed with no improvement.			
Prep Method SW846-5030B Purge and Trap			

GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A			
Analyst: J. MINNIEAR, II		Analysis Date: 23-FEB-05 Instrument: PREP Test: P236.4.0	
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	30.42		Grams
FINAL VOLUME	1.0		mL

SEMI-VOLATILE ORGANICS (BASE/NEUTRAL FRACTIONS) SW846-8270C			NELAC:Y
Analyst: C. WILLHITE		Analysis Date: 25-FEB-05 19:59 Instrument: GC/MS SVOA Test: O517.3.0	
Prep: GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A P236.4.0			
Parameter	Result	Det. Limit	Units
ACENAPHTHENE	BDL	0.33	mg/kg
ACENAPHTHYLENE	BDL	0.33	mg/kg
ANTHRACENE	BDL	0.33	mg/kg
BENZO(A)ANTHRACENE	BDL	0.33	mg/kg
BENZO(A)PYRENE	BDL	0.33	mg/kg
BENZO(B)FLUORANTHENE	BDL	0.33	mg/kg
BENZO(G,H,I)PERYLENE	BDL	0.33	mg/kg
BENZO(K)FLUORANTHENE	BDL	0.33	mg/kg
CHRYSENE	BDL	0.33	mg/kg
DIBENZ(A,H)ANTHRACENE	BDL	0.33	mg/kg



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689781
	<b>Completed</b> 01-MAR-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 10-FEB-05 12:25	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b> CLIENT ID: S-10 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
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<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: J. HESS	Analysis Date: 15-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.00 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ... SURROGATE RECOVERY ----- 1-CHLOROOCYTADECANE	<b>Result</b> 67  106.5	<b>Det. Limit</b>  50	<b>Units</b> mg/kg  % Rec
1:5 Dilution.			

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) ... SURROGATE RECOVERY -----	<b>Result</b> 110	<b>Det. Limit</b>  50	<b>Units</b> mg/kg



		0.33	mg/kg
BENZO(G,H,I)PERYLENE	BDL	0.33	mg/kg
BENZO(K)FLUORANTHENE	BDL	0.33	mg/kg
CHRYSENE	BDL	0.33	mg/kg
DIBENZ(A,H)ANTHRACENE	BDL	0.33	mg/kg
FLUORANTHENE	BDL	0.33	mg/kg
FLUORENE	BDL	0.33	mg/kg
INDENO(1,2,3-CD)PYRENE	BDL	0.33	mg/kg
NAPHTHALENE	BDL	0.33	mg/kg
PHENANTHRENE	BDL	0.33	mg/kg
PYRENE	BDL	0.33	mg/kg
....			
SURROGATE RECOVERY			
-----			
NITROBENZENE-D5	59		% Rec
2-FLUOROBIPHENYL	64		% Rec
TERPHENYL-D14	45		% Rec

Sample Comments

AMENDED REPORT - DCE - 22-FEB-05 :ADDED BTEX/PNA PER CLIENT'S REQUEST

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1659.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QA*

Approved by: PAULINE SPENCE 01-MAR-05



1-CHLOROOCТАDECANE	104.2		% Rec
1:5 Dilution.			
Recovery and RPD could not be reported due to high ERO levels in sample.			

PURGEABLE AROMATICS BY GC/MS (BTEX) SW846-8260B			NELAC:Y
Analyst: H. WILLIAMS		Analysis Date: 24-FEB-05 09:07	Instrument: GC/MS VOA
		Test: 0560.3.0	
Parameter	Result	Det. Limit	Units
BENZENE	BDL	0.0050	mg/kg
ETHYL BENZENE	BDL	0.0050	mg/kg
TOLUENE	BDL	0.0050	mg/kg
XYLENES (O/M/P-XYLENE)	BDL	0.0050	mg/kg
...			
SURROGATE RECOVERY			
DICHLOROETHANE-D4	84		% Rec
TOLUENE-D8	80		% Rec
4-BROMOFLUOROBENZENE	43		% Rec
Sample failed lab-generated surrogate recovery criteria. Sample reanalyzed with no improvement.			
Sample failed method internal standard area criteria. Sample reanalyzed with no improvement.			
Prep Method SW846-5030B Purge and Trap			

GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A			
Analyst: J. MINNIEAR, II		Analysis Date: 23-FEB-05	Instrument: PREP
		Test: P236.4.0	
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	30.50		Grams
FINAL VOLUME	1.0		mL

SEMI-VOLATILE ORGANICS (BASE/NEUTRAL FRACTIONS) SW846-8270C			NELAC:Y
Analyst: C. WILLHITE		Analysis Date: 25-FEB-05 19:20	Instrument: GC/MS SVOA
		Test: 0517.3.0	
Prep: GC/MS SONICATION EXTRACTION FOR ORGANICS SW846-3550A P236.4.0			
Parameter	Result	Det. Limit	Units
ACENAPHTHENE	BDL	0.33	mg/kg
ACENAPHTHYLENE	BDL	0.33	mg/kg
ANTHRACENE	BDL	0.33	mg/kg
BENZO(A)ANTHRACENE	BDL	0.33	mg/kg
BENZO(A)PYRENE	BDL	0.33	mg/kg
BENZO(B)FLUORANTHENE	BDL		





### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689780
	<b>Completed</b> 01-MAR-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 10-FEB-05 12:20	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b> CLIENT ID: S-9 MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
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<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: J. HESS	Analysis Date: 15-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.30 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ... SURROGATE RECOVERY ----- 1-CHLOROOCYTADECANE	<b>Result</b> 120  111.0	<b>Det. Limit</b> 50	<b>Units</b> mg/kg  % Rec
1:5 Dilution. MS and MSD recoveries skewed high due to levels of DRO in sample.			

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) ... SURROGATE RECOVERY	<b>Result</b> 150	<b>Det. Limit</b> 50	<b>Units</b> mg/kg



### CERTIFICATE OF ANALYSIS

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-FEB-05	<b>Project</b>	<b>Lab ID</b> A689771
	<b>Completed</b> 21-FEB-05	<b>PO Number</b> 10588	
	<b>Printed</b> 02-MAR-05	<b>Sampled</b> 10-FEB-05 11:40	

<b>Report To</b> BRUCE WINNINGHAM KERAMIDA ENVIRONMENTAL 330 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	<b>Bill To</b> ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 330 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202
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<b>Sample Description</b> CLIENT ID: S-7 DUPLICATE MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER CODE: 1618 PROJECT NAME: STUDEBAKER/OLIVER PROJECT NUMBER: 10588
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<b>DRO ACCELERATED SOLVENT EXTRACTION SW846-3545</b>			<b>NELAC:Y</b>
Analyst: T. PINCKERT	Analysis Date: 14-FEB-05	Instrument: PREP	Test: P231.7.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME FINAL VOLUME	<b>Result</b> 20.03 5.0	<b>Det. Limit</b>	<b>Units</b> Grams mL

<b>DRO (CA/IA/IN/OK/WI) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 16-FEB-05 08:17	Instrument: GC/FID	Test: O409.8.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> DIESEL RANGE ORGANICS (DRO) ... SURROGATE RECOVERY ----- 1-CHLOROOCCTADECANE	<b>Result</b> BDL  61.1	<b>Det. Limit</b>        	<b>Units</b> 10 mg/kg    % Rec

<b>ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B</b>			<b>NELAC:Y</b>
Analyst: M. WRIGHT	Analysis Date: 15-FEB-05 17:57	Instrument: GC/FID	Test: O410.3.0
Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0			
<b>Parameter</b> EXTENDED RANGE ORGANICS (ERO) ... SURROGATE RECOVERY ----- 1-CHLOROOCCTADECANE	<b>Result</b> BDL  75.3	<b>Det. Limit</b>        	<b>Units</b> 10 mg/kg    % Rec



Sample Comments

AMENDED REPORT - DCE - 23-FEB-05 :ADDED SDG NUMBER

BDL Below Detection Limit

Sample was received on ice at temperature 5.6 C.  
Sample chain of custody number 1660.

Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

*P.K. Spence QAP*

Approved by: PAULINE SPENCE 23-FEB-05