

**OIL-WATER SEPARATOR
CLOSURE REPORT
FOR**

**NCDOT
STATE PROJECT: R-2633B
WBS ELEMENT: 34491.1.2
DESCRIPTION: US 17 WILMINGTON BYPASS
FROM US 74/76 IN BRUNSWICK COUNTY
TO US 421 IN NEW HANOVER COUNTY**

**FORMER HENRY LESSING PROPERTY
PARCEL 87
FORMER ZAMBESI EQUIPMENT
232 BEVAL ROAD
WILMINGTON, NEW HANOVER COUNTY, NORTH CAROLINA 28546**

SEPTEMBER 30, 2011

PREPARED FOR:



**NCDOT GEOTECHNICAL ENGINEERING UNIT-GEOENVIRONMENTAL SECTION
1589 MAIL SERVICE CENTER
RALEIGH, NORTH CAROLINA 27699-1589**

PREPARED BY:

**CATLIN ENGINEERS AND SCIENTISTS
P. O. BOX 10279
WILMINGTON, NORTH CAROLINA 28404-0279
(910) 452-5861**

CATLIN PROJECT NO. 205072.02

CORPORATE GEOLOGY LICENSE CERTIFICATION NO. C-118

CORPORATE LICENSURE NO. FOR ENGINEERING SERVICES C-0585

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NCDOT

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**DESCRIPTION: US 17 WILMINGTON BYPASS
FROM US 74/76 IN BRUNSWICK COUNTY
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**FORMER HENRY LESSING PROPERTY
PARCEL 87**

**FORMER ZAMBESI EQUIPMENT
232 BEVAL ROAD**

WILMINGTON, NEW HANOVER COUNTY, NORTH CAROLINA 28401

SEPTEMBER 30, 2011

A. GENERAL INFORMATION

1. SITE INFORMATION

1.1 Site Name

Former Henry Lessing Property
Parcel 87
Former Zambesi Equipment

1.2 Facility I.D. Number

None

1.3 Site address, telephone number and county

232 Beval Road
Wilmington, NC 28401
(See Figures 1 and 2)
Telephone Number: None

Longitude -77.972615° W

Latitude 34.285880° N

2. CONTACTS INFORMATION

**2.1 Name, address, and telephone number of (former) Oil-Water
Separator owner and operator**

Henry Lessing / Zambesi Equipment
Current Address: Unknown
Telephone: Unknown

2.2 Name, address, telephone number and job title of primary contact person

Mr. Terry Fox, LG
NCDOT GeoEnvironmental Section
1589 MSC
Raleigh, North Carolina 27699-1589
Telephone: 919-250-4088

2.3 Name, address and telephone number of closure contractor(s)

Mr. Tony Disher
EVO
1703 Vargrave Street
Winston-Salem, North Carolina 27107
Telephone: 336-725-5844

2.4 Name, address and telephone number of primary consultant

CATLIN Engineers and Scientists (CATLIN)
Attn: G. Richard Garrett, P.G.
P.O. Box 10279
Wilmington, North Carolina 28404-0279
Telephone: 910-452-5861

2.5 Name, address and telephone number of soil disposal contractor

Mr. Tony Disher
EVO
1703 Vargrave Street
Winston-Salem, North Carolina 27107
Telephone: 336-725-5844
NCDENR Permit #: SRU400009

2.6 Name, address, telephone number, and State Certification number of laboratory

SGS North America, Inc.
5500 Business Drive
Wilmington, North Carolina 28405
Telephone: 910-350-1903
North Carolina State Certification No. 481

B. SITE HISTORY AND CHARACTERIZATION

The subject site contains a former equipment sales/repair facility (Zambesi Equipment) and is located within a portion of the North Carolina Department of Transportation (NCDOT) right-of-way (R-O-W) on the north side of Beval Road, approximately 100 feet from Fredrickson Road. An in-ground, concrete oil-water

separator (OWS) was located behind the building approximately 150 feet from the Beval Road centerline and adjacent to the proposed R-O-W. A Limited Phase I Site Assessment conducted by CATLIN in 2005 revealed visual evidence of possible contamination. Soil staining was observed around the concrete wash-down pad adjacent to the OWS.

According to the North Carolina Department of Environment and Natural Resources (NCDENR) Underground Storage Tank (UST) registry, there are no other known USTs at the site. While the site OWS is not regulated by the NCDENR UST Section, this report has been formatted in general accordance with the NCDENR UST Section UST Closure Report format. The facility OWS information is summarized on Table 1. The OWS owner and operator information is summarized on Table 2.

According to the NCDOT Request for Proposal (RFP) dated July 5, 2011, the scope of work at the site included removing the known OWS and excavating and properly disposing of any petroleum stained soils around the OWS.

C. CLOSURE PROCEDURES

1. PREPARATIONS

CATLIN was contracted by NCDOT to facilitate roadway construction by removing the OWS system at the site. CATLIN performed all field work in accordance with the general *Health and Safety Plan* (available for review at the CATLIN Wilmington Office).

A Notice of Intent was not submitted to the NCDENR Wilmington Regional Office because it is not required for removal of the OWS. CATLIN and subcontractor EVO personnel mobilized to the site on August 29, 2011.

Waste profiles were submitted to EVO before beginning field activities. A copy of the soil and fluid waste profiles are provided in Appendix A.

2. CLOSURE PROCEDURES

The site layout is illustrated on Figure 2. As indicated on Table 1, one (1) 1,000 gallon (approximate capacity) OWS was located at the site.

Residual material was pumped from the OWS by a vacuum truck. The OWS tank was then pressure washed with approximately 200 gallons of potable water and pumped dry again. EVO personnel measured the inside of the tank for acceptable oxygen and explosive vapor readings prior to removal.

The top of the OWS was approximately one (1) foot above land surface. Stained soils were excavated around the top of the OWS and sufficient

soils were removed from the sides of the OWS allowing it to be lifted from the excavation. No discharge lines were connected to the OWS.

The OWS was constructed of concrete and appeared in good condition. There were no cracks or holes noted in the OWS sides or bottom.

Excavated soils were loaded directly into a dump truck for off-site disposal. There were no indications of a petroleum release from the OWS tank.

3. RESIDUAL MATERIAL AND DISPOSAL

The residual fluids were removed by the vacuum truck and properly disposed of at a permitted facility. According to the Manifest and Certificate of Disposal in Appendix A, 1,175 gallons of fluid were removed, transported, and disposed of by EVO. The cleaned concrete OWS was crushed, transported, and accepted at Wilmington Materials for disposal/concrete re-use.

4. SOIL EXCAVATION ACTIVITIES

The top of the OWS tank was approximately one (1) foot above land surface and the bottom was approximately three (3) feet below land surface (BLS). Groundwater was not encountered. The OWS basin excavation limits were approximately six (6) feet wide by 12 feet long by five (5) feet deep. Excavation limits are illustrated on Figure 2. Excavation activity photographs are provided in Appendix B.

Sandy soils were encountered surrounding the OWS. Soils from the OWS excavation were transported off-site for proper disposal. Following collection of closure soil samples from beneath the former OWS location, the excavation sidewalls were collapsed. Nearby clean sand was also pushed into the excavation in order to create a small depression with gradually sloping sides. Photographs are provided in Appendix B.

D. SITE INVESTIGATION

1. FIELD-SCREENING

Soil screening with a photo-ionization detector was not conducted during this OWS closure.

2. SOIL SAMPLING

The OWS closure soil samples were collected in accordance with NCDENR guidance documents. Two (2) soil samples were collected from the excavation floor beneath the former OWS location utilizing the

excavator bucket. One (1) soil sample was collected from beneath each end of the former OWS location at approximately five (5) feet BLS. Soil samples were identified as OWS-W (5ft) and OWS-E (5ft) based on assumed east-west orientation and depth. The OWS was actually oriented in a more north-south direction. Soil sample locations are illustrated on Figure 2. Soil sample material was obtained by the excavator bucket from the OWS basin and then directly by hand from the excavator bucket. Soil samples were packed into the appropriate laboratory provided glassware immediately following collection.

Periodic grab soil samples were also collected from the excavator bucket. The grab samples were combined and a composite waste disposal characterization sample was submitted for laboratory analysis per waste disposal requirements.

Two (2) OWS closure soil samples were submitted to the laboratory for Total Metals, Semi-volatile, Volatile, Pesticide, and Polychlorinated Biphenyl (PCB) analysis per various methods (see Laboratory Report and Chain-of-Custody in Appendix C). One (1) waste disposal characterization soil sample was submitted for Oil and Grease analysis and per Environmental Protection Agency (EPA) Method 9071 with silica gel wash and for Leachable Metals by Toxicity Characteristic Leaching Procedure (TCLP). Sample identifications (including depth), times, and requested analyses are provided on the Chain-of-Custody in Appendix C.

3. GROUNDWATER SAMPLING

Groundwater was encountered during soil excavation activities. Free-phase product was not discovered during this investigation. No groundwater samples were collected during this investigation.

4. QUALITY CONTROL MEASURES

Clean, disposable nitrile gloves were used for each sampling event. Soil samples were collected by hand from undisturbed material obtained by the excavator bucket and packed directly into new laboratory provided glassware.

All samples were placed into appropriate sample jars with Teflon[®] lid liners, labeled with the site location, date, time, initials of person collecting sample, sample identification number, depth of sample, and tests required. Samples were then placed on ice in a cooler and maintained at approximately 4° Celsius during storage and transport to the laboratory. A temperature blank and trip blank were preserved in the cooler along with the site samples. A Chain-of-Custody form was maintained from the point of sampling until delivery to the laboratory.

No duplicate soil samples were submitted for laboratory analysis. According to the attached laboratory report (see Appendix C), the sample results are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards and analytical quality control data is available upon request.

5. INVESTIGATION RESULTS

The waste disposal characterization soil sample (OWS COMP) and OWS closure soil sample [OWS-W (5ft) and OWS-E (5ft)] results are summarized on Table 3. The OWS closure soil sample locations are illustrated on Figure 2.

The OWS COMP soil sample results indicate the excavated soils are suitable for disposal/treatment at the EVO facility. OWS closure soil samples OWS-W (5ft) and OWS-E (5ft) did not reveal any analyzed parameters above the corresponding Risk-Based Residential Maximum Soil Contaminant Concentrations (MSCCs). No Semi-Volatiles or Volatile parameters per EPA Methods 8270D and 8260B were detected above the laboratory quantitation limits. Minor concentrations of a number of metals were detected but only an estimated concentration of Silver was reported above the Soil-To-Groundwater (STGW) MSCC in both OWS closure soil samples. The complete Laboratory Report of Analysis is provided in Appendix C.

E. SOIL DISPOSAL

The excavated soils were transported to the EVO facility in Winston-Salem, North Carolina for proper disposal. According to the documentation provided in Appendix A, 21.24 tons of soils were accepted for treatment at the facility.

F. CONCLUSIONS

The OWS closure was completed in general accordance with applicable State and Federal Guidelines to facilitate NCDOT related construction activities. Petroleum impacted soils identified at the surface around the OWS have been removed and properly disposed. The concrete OWS was pumped dry, cleaned and pumped dry again before being removed and properly disposed. Soil samples collected from beneath the removed OWS did not reveal indications of a petroleum release; therefore, submittal of this report to NCDENR is not required.

G. LIMITATIONS

This report is based on the agreed work scope and a review of available data from limited sampling. It is possible that this investigation may have failed to reveal the presence of contamination on the subject site where such contamination may exist. Although CATLIN has used accepted methods appropriate for OWS closure and contaminated soil removal sampling, CATLIN cannot guarantee that additional soil and/or groundwater contamination does not exist.

H. SIGNATURES



G. Richard Garrett, P.G.
Senior Project Manager

Benjamin J. Ashba
Project Manager

TABLES

**TABLE 1
 SITE HISTORY – OIL-WATER SEPARATOR SYSTEM AND OTHER RELEASE INFORMATION**

**NCDOT
 PARCEL 87
 FORMER LESSING PROPERTY
 232 BEVAL ROAD
 WILMINGTON, NEW HANOVER COUNTY, NC**

Oil-Water Separator ID Number	Current/ Last Contents	Previous Contents	Capacity (in gallons)	Construction Details	Tank Dimensions	Description of Associated Piping and Pumps	Date Tank Installed	Status of UST	Was release associated with the OWS System?
1	Oily Water	Oil Water	~1,000	Concrete	4' x 4' x 8'	None	Unknown	Removed 8/29/11	NO

**TABLE 2
 SITE HISTORY – OIL-WATER SEPARATOR OWNER AND OPERATOR
 INFORMATION**

**NCDOT
 PARCEL 87
 FORMER LESSING PROPERTY
 232 BEVAL ROAD
 WILMINGTON, NEW HANOVER COUNTY, NC**

Oil-Water Separator ID Number:	1	Facility ID Number:	None
Name of Owner		Dates of Operation	
Henry Lessing / Zambesi Equipment		Unknown	
Street Address			
232 Beval Road			
City	State	Zip	Telephone Number
Wilmington	NC	28401	None
Name of Operator		Dates of Operation	
Zambesi Equipment		Unknown	
Street Address			
232 Beval Road			
City	State	Zip	Telephone Number
Wilmington	NC	28401	Unknown
Incident Number	None		
Name of Other Responsible Party		Dates of Release(s)	
Unknown		None	
Street Address			
Unknown			
City	State	Zip	Telephone Number
Unknown			Unknown

**TABLE 3
 SUMMARY OF SOIL LABORATORY RESULTS**

**NCDOT
 PARCEL 87
 FORMER LESSING PROPERTY
 232 BEVAL ROAD
 WILMINGTON, NEW HANOVER COUNTY, NC**

Sample ID	Analytical Method and (units) →	EPA 9071B (mg/Kg)	EPA 6010C TCLP (mg/L)							EPA 7470A TCLP (mg/L)	EPA 6010C (mg/Kg)							EPA 7471B (mg/Kg)	EPA 8081B and 8082A (ug/Kg)	EPA 8260B (ug/Kg)			EPA 8270D (ug/Kg)	
	Contaminant of Concern →	Oil & Grease	Barium	Cadmium	Chromium	Lead	Selenium	Silver	All other 6010C TCLP Parameters	Mercury	Barium	Cadmium	Chromium	Lead	Selenium	Silver	All other 6010C Parameters	Mercury	All 8081B and 8082A Parameters	Acetone	Methylene chloride	All other 8260B Parameters	All 8270D Parameters	
	Date Collected																							
OWS COMP	8/29/2011	2,969	0.0990 J	0.0232 J	0.0162 J	0.0606 J	<0.0268	<0.0105	BMDL	0.0000610 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OWS-E (5ft)	8/29/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.20 J	0.287 J	1.02 J	0.968 J	<0.417	0.272 J	BMDL	0.00101 J	BMDL	3.83 J	1.91 J	BMDL	BMDL	
OWS-W (5ft)	8/29/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.46 J	0.300 J	0.685 J	1.33	<0.373	0.285 J	BMDL	<0.000931	BMDL	3.80 J	1.50 J	BMDL	BMDL	
TRIP BLANK		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.92 J	1.96 J	BMDL	NA	
Residential MSCC		NE	NE	NE	NE	NE	NE	NE	NE	NE	3,100	NE	47	400	NE	78.2	Varies	NE	Varies	14,000,000	85,000	Varies	Varies	
I/C MSCC		NE	NE	NE	NE	NE	NE	NE	NE	NE	81,000	NE	1,226	400	NE	2,044	Varies	NE	Varies	360,000,000	763,000	Varies	Varies	
STGW MSCC		NE	NE	NE	NE	NE	NE	NE	NE	NE	290	NE	5.4	270	NE	0.25	Varies	NE	Varies	24,000	20	Varies	Varies	

Refer to the Laboratory Report of Analysis for a complete list of parameters and detection limits.
 The "OWS COMP" soil sample was collected from excavated material for waste disposal characterization.
 The "OWS-E (5ft)" and "OWS-W (5ft)" soil samples were collected for clean closure verification directly beneath the removed oil-water separator (OWS)
 mg/Kg = milligrams per kilogram
 mg/L = milligrams per liter
 ug/Kg = micrograms per kilogram
 EPA = Environmental Protection Agency
 TCLP = Toxicity Characteristic Leaching Procedure
 J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit
 BMDL = Below Method Detection Limit
 NE = None Established
 NA = Not Analyzed
 Sample depth provided in feet (ft) in parenthesis as part of the Sample ID.
 < = Less than method detection limit
 I/C = Industrial/Commercial
 STGW = Soil-To-Groundwater
 MSCC = Maximum Soil Contaminant Concentration
 The MSCCs are provided in the same units (mg/Kg or ug/Kg) as the reported laboratory results.
 Results in bold (none) exceed the Residential MSCC .

FIGURES

DESCRIPTION:
PARCEL 87
FORMER HENRY LESSING
PROPERTY



WBS ELEM.: 34491.1.2	FIGURE NO. 1
TIP NO.: R-2633B	TOTAL FIGURES: 2
F.A. NO.: N/A	
COUNTY: NEW HANOVER	

PREPARED BY:

Engineers and Scientists
Wilmington, North Carolina



SCALE:

AS SHOWN




TITLE:

GENERAL LOCATION MAP



DESCRIPTION: PARCEL 87 FORMER HENRY LESSING PROPERTY		WBS ELEM.: 34491.1.2	FIGURE NO. 2
		TIP NO.: R-2833B	TOTAL FIGURES: 2
PREPARED BY:  Wilmington, North Carolina	SCALE: 1" = 30'	F.A. NO.: N/A	COUNTY: NEW HANOVER
		TITLE: SITE MAP WITH CLOSURE SOIL SAMPLE LOCATIONS	



<u>LEGEND</u>	
	OIL-WATER SEPARATOR
	EXCAVATION LIMITS
	SOIL SAMPLE

APPENDIX A

**WASTE PROFILES, CERTIFICATES OF DISPOSAL
AND WASTE MATERIAL MANIFESTS**



Evo Corporation
 1703 Vargrave Street, Winston-Salem, NC
 Phone: (336) 725-5844 Fax: (336) 725-6244

Waste Profile

Note: Information given below will be used in order to create all shipping paperwork, certificates and invoices. Please be sure wording is exactly how it needs to read on all forms before sending in for approval.

Section 1: Generator Information

Generator Name:	NCDOT	Technical Contact:	Terry Fox, LG
Project Address:	232 Beval Road	Title:	NCDOT Project Manager
	Wilmington, NC 28401	Phone:	919-707-6850
Invoicing Company:	CATLIN	Fax:	919-250-4237
Address:	220 Old Dairy Rd. Wilmington, NC 28405		
Invoicing Contact	Sheila Smith	E-Mail:	sheila.smith@catlinusa.com
Phone:	910-452-5861	Fax:	910-452-7563

Section 2: Waste Characteristics

Physical state at 70° F: Liquid Semisolid _____ Solid _____

Layers: None _____ Two Multi _____ Viscosity: Low _____ Medium High _____

Free Liquids (%): 95 Total Solids (%): 5 Describe Product/Water and sludge

Is Material Pumpable? Yes Is Material Dusty? No

Appearance: Oily water Odor: petroleum

Process generating waste: Equipment washdown

Section 3: Chemical Composition **Must total 100%**

Water	50 %			
Petroleum	45 %			
Sludge/Sediment	5 %			

Please attach all MSDS's, sample analysis and additional information.

The constituent information is based on Analysis (please attach) Generator Knowledge Both

Does this waste contain PCB's > 50ppm Yes (No)

Please indicate if this waste stream carries an EPA RCRA characteristic hazardous waste code (D001-D043):

D001 Does this waste exhibit the characteristic of ignitability? Yes (No)

What is the flash point of this waste? <90°F 90-140°F >140°F (>200°F) Exact

Is the waste an oxidizer? Yes No

D002 Does this waste exhibit the characteristic of corrosivity? Yes No

What is the pH of this waste? <2 2-4.9 6-10 10.1-12.4 ≥12.5

D003 Does this waste exhibit the characteristic of reactivity? Yes (No)

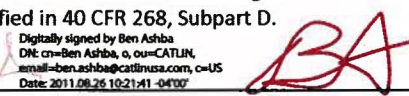
Does this waste contain reactive cyanide ≥ 250ppm OR reactive sulfide ≥ 500ppm? Yes (No)

Section 4: Shipping Information

Rate of Generation	Pump	Packaging:	Check all that apply
DOT Shipping Name	Non-Haz Petro Water	Bulk Soil	_____
Container Type/Size	Vac Truck	Bulk Solid	_____
		Bulk Liquid	<input checked="" type="checkbox"/>
		Drum Soil	_____
		Drum Liquid	_____
		Other	_____

Waste Notification and Certification:

I certify that all information on this waste profile is complete and is an accurate representation of the known contaminants pertaining to the waste described herein. Furthermore, I certify that I am familiar with the waste as described on this form through analysis and testing or through knowledge of the waste generating process to support this notification that the waste is not regulated as a characteristic or listed hazardous waste under 40 CFR 261.20 or 261.30 and that the waste is not restricted as specified in 40 CFR 268, Subpart D.

Signature: Ben Ashba  Date: 8/26/2011

Print Name: Ben Ashba Title: CATLIN agent for NCDOT



Evo Corporation

1703 Vargrave Street, Winston-Salem, NC 27107

Phone: (336) 725-5844 Fax: (336) 725-6244

SOIL PROFILE

SECTION I / Generator Information

NOTE: Information given below will be used in order to create all shipping paperwork, certificates and invoices. Please be sure wording is exactly how it needs to read on all forms before sending in for approval.

Generator Name: NCDOT

(Complete "PHYSICAL" Site Information, No P.O. Box's)

Street/Highway/Interstate Address: 232 Beval Road

City: Wilmington State: NC Zip Code: 28401

Generator Contact/Title: Terry Fox, LG NCDOT GeoEnviro Proj. Mgr. Telephone Number: 919-707-6850

Project Manager/Company: Ben Ashba: CATLIN Agent for NCDOT Telephone Number: 910-452-5861

SECTION II / Source of Generation

This soil waste is derived from petroleum hydrocarbon underground storage tank closure and is solely regulated under 40 CFR 280. Further, all contaminants contained in the soil are petroleum hydrocarbon derivatives currently deferred or not subject to regulation as a hazardous waste under 40 CFR 261.20. The type of contamination is

X This soil waste is derived from a used or waste oil underground storage tank closure and is solely regulated under 40 CFR 280. Further, all contaminants contained in the soil are oil derivatives currently deferred or not subject to regulation as a hazardous waste under 40 CFR 261.20.

This soil waste is generated from a petroleum hydrocarbon spill or release onto surface soils or into subsurface soils. Further, all contaminants contained in the soil are not regulated as a characteristic or listed hazardous waste under 40 CFR 261.20 or 261.30. The type of contamination is

This soil waste is derived from a used or waste oil spill or release onto surface soils or into subsurface soils. Further, all contaminants contained in the soil are oil derivatives and are not regulated as a characteristic or listed hazardous waste under 40 CFR 261.20 or 261.30.

SECTION III / Laboratory Testing Requirements

X A representative composite sample of this soil waste was analyzed for Total Petroleum Hydrocarbons utilizing EPA Test Method 3550, 5030 or 9071 as appropriate.

X A representative composite sample of this soil waste was analyzed for RCRA regulated heavy metals utilizing TCLP. (required for all used oil contaminated soils)

OTHER

NOTE: All analysis must be performed by a North Carolina certified laboratory, attach all laboratory analytical results.

SECTION IV / Generator Certification

I hereby declare that the wastes presented above are accurately described, properly classified, appropriately analyzed, and are petroleum hydrocarbon contaminated soils, not regulated as a hazardous waste. I certify that I have personally examined and am familiar with the information submitted in this document and attachments.

Signature: Ben Ashba

Digitally signed by Ben Ashba DN: cn=Ben Ashba, o=CATLIN, email=ben.ashba@catlinusa.com, c=US Date: 2011.08.26 09:29:04 -0400

Handwritten signature BA

Date: 8/26/11

Print Name & Title: Ben Ashba: CATLIN Agent for NCDOT Telephone: 910-452-5861

CERTIFICATE OF DISPOSAL

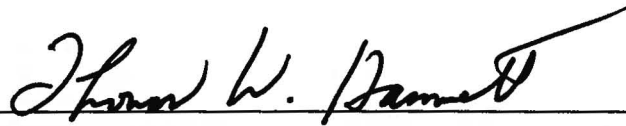
Evo Corporation does hereby certify that 21.24 tons of non-hazardous contaminated material received on 08/28/2011 from:

Generator: NCDOT

Originating at: 232 Beval Road
Wilmington, NC

EC Waste ID #: 081149

has been disposed of by Evo Corporation in a manner approved by the North Carolina Department of Environment and Natural Resources.



Signature

Thomas W. Hammett
CEO
Evo Corporation



ENVIRONMENTAL AND INDUSTRIAL RESOURCES

1703 Vargrave Street
Winston-Salem, NC 27107
ph 336-725-5844
fax 336-725-6244

CERTIFICATE OF DISPOSAL

Evo Corporation. does hereby certify that 1,175 gallons of non-hazardous contaminated sludge received on 08/29/2011 from:

Generator: NCDOT

Originating at: 232 Beval Road
Wilmington, NC

EC Waste ID #: 081149

has been disposed of by Evo Corporation. in a manner approved by the North Carolina Department of Environment and Natural Resources.

A handwritten signature in black ink, appearing to read "Thomas W. Hammett". The signature is written in a cursive style and is positioned above a horizontal line.

Signature

Thomas W. Hammett
CEO
Evo Corporation

EVO CORPORATION

1703 Vargrave Street, Winston-Salem, NC 27107

www.evocorp.net

NON-HAZARDOUS MATERIALS MANIFEST

Load #

Manifest No. 71982

GENERATOR INFORMATION

Generator: NCDOT

Phone: 910-452-5861

Site Address: 232 Beval Road

City/State: Wilmington, NC 28401

Contact: Ben Ashba

MATERIAL DESCRIPTION / QUANTITY / WEIGHT

Gross Weight (lbs): 77420 Material: Soil

Empty Weight (lbs): 34940 Contaminant: Waste Oil

Net Weight (lbs): 42480

Quantity

21.24

Tons

Drums Pails Sacs Yards Other: _____

TRANSPORTER INFORMATION

Transporter: Evo Corporation

Phone: 336-725-5844

Truck #: 204/301

Contact: Tony Disher

As the transporter, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Driver Signature: [Signature]

Date: 8-29-11

FACILITY INFORMATION

081149

Evo Project #: _____

EVO CORPORATION
1703 Vargrave Street
Winston-Salem, NC 27107

Phone: (336) 725-5844

Contact: Tony Disher

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: [Signature]

Date: 08-28-2011

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

83513668
TICKET NUMBER

THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

**CAT SCALE
COLLECTOR
CARD
INSIDE!**

WEIGH WHAT WE SAY OR WE PAY®

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

- (1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
- (2) A representative of CAT Scale Company will appear in court WITH the driver as an expert witness if we believe our scale was correct.

IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:

- 1) Post bond and request a court date.
- 2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE (Toll Free).
- 3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

081149 204/301 12m

DATE:	8-29-2011	STEER AXLE	12260	1b
		DRIVE AXLE	28900	1b
		TRAILER AXLE	36260	1b
		GROSS WEIGHT	77420	1b

**CERTIFIED
AUTOMATED
TRUCK
SCALE**

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

1640 SCALE

83513668 LOCATION:

PUBLIC WEIGHMASTER'S
CERTIFICATE OF
WEIGHT & MEASURE

211
T/A
I-85 AND I-40 EXIT 13A
WHITSETT NC

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2012
ALERT: IF SEAL HERE IS MISSING
(INVALID UNLESS SIGNED)

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

WEIGH NUMBER
3668

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED FREIGHT ALL KINDS

COMPANY EVO CORPORATION TRACTOR # 204 TRAILER # 301

FEE \$9.50 WEIGHMASTER OR WEIGHER SIGNATURE Valerie Scales FULL WEIGH TICKET # (IF REWEIGH)

DRIVER IN TRUCK UNLESS CHECKED HERE:

STOMER COPY

EVO CORPORATION

1703 Vargrave Street, Winston-Salem, NC 27107

www.evocorp.net

NON-HAZARDOUS MATERIALS MANIFEST

Load #

Manifest No. 71983

GENERATOR INFORMATION

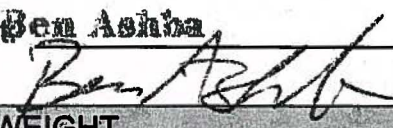
Generator: NCDOT

Phone: 910-452-5861

Site Address: 232 Beval Road

City/State: Wilmington, NC 28401

Contact: Ben Ashba



MATERIAL DESCRIPTION / QUANTITY / WEIGHT

Gross Weight (lbs): _____

Material: Sludge

Empty Weight (lbs): _____

Contaminant: Waste Oil

Net Weight (lbs): _____

Quantity

1175

Tons Drums Pails Sacs Yards Other: Gallons

TRANSPORTER INFORMATION

Transporter: Evo Corporation

Phone: 336-725-5844

Truck #: 402

Contact: Tony Disher

As the transporter, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Driver Signature: 

Date: 8/29/11

FACILITY INFORMATION

EVO CORPORATION
1703 Vargrave Street
Winston-Salem, NC 27107

Evo Project #: 081149

Phone: (336) 725-5844

Contact: Tony Disher

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: 

Date: 08-29-2011

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

APPENDIX B
PHOTOGRAPHS

**FORMER HENRY LESSING PROPERTY
PARCEL 87
232 BEVAL ROAD
AUGUST 29, 2011**



Pumping off fluids from oil-water separator



Excavating North end of oil-water separator

**FORMER HENRY LESSING PROPERTY
PARCEL 87
232 BEVAL ROAD
AUGUST 29, 2011**



Looking Southwest across oil-water separator excavation and adjacent wash-down pad.



Looking South across oil-water separator excavation

**FORMER HENRY LESSING PROPERTY
PARCEL 87
232 BEVAL ROAD
AUGUST 29, 2011**



Looking north across oil-water separator excavation after collapsing sidewalls



Looking west across oil-water separator excavation after collapsing sidewalls

APPENDIX C
LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY
DOCUMENTATION



Laboratory Report of Analysis

To: Ben Ashba
RICHARD CATLIN & ASSOCIATES
P.O. Box 10279
Wilmington, NC 28404

Report Number: 31102319

Client Project: DOT Lessing Prop

Dear Ben Ashba,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara A. Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Barbara A. Hager
Project Manager
barbara.hager@sgs.com

Date

Laboratory Qualifiers

Report Definitions

DL	Method, Instrument, or Estimated Detection Limit per Analytical Method
CL	Control Limits for the recovery result of a parameter
LOQ	Reporting Limit
DF	Dilution Factor
RPD	Relative Percent Difference
LCS(D)	Laboratory Control Spike (Duplicate)
MS(D)	Matrix Spike (Duplicate)
MB	Method Blank

Qualifier Definitions

*	Recovery or RPD outside of control limits
B	Analyte was detected in the Lab Method Blank at a level above the LOQ
U	Undetected (Reported as ND or < LOD)
V	Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit
A	Amount detected is less than the Lower Method Calibration Limit
J	Amount detected is between the Method Detection Limit and the Lower Calibration Limit
O	The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high
E	Amount detected is greater than the Upper Calibration Limit
S	The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s)
Q	Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s)
I	Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s)
DPE	Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)
TIC	Tentatively Identified Compound
EMC	Estimated Maximum possible Concentration due to ion ratio failure
ND	Not Detected
K	Result is estimated due to ion ratio failure in High Resolution PCB Analysis
P	RPD > 40% between results of dual columns
D	Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range
M1	Mis-identified peak
M2	Software did not integrate peak
M3	Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one)
M4	Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane)
M5	Other - Explained in case narrative

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.

Sample Summary

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Collected</u>	<u>Received</u>	<u>Matrix</u>
OWS COMP	31102319001	08/29/2011 13:00	08/29/2011 14:37	Soil-Solid as dr
OWS-E (5ft)	31102319002	08/29/2011 13:30	08/29/2011 14:37	Soil-Solid as dr
OWS-W (5ft)	31102319003	08/29/2011 13:40	08/29/2011 14:37	Soil-Solid as dr
Trip Blanks (Not on COC)	31102319004	08/29/2011 00:00	08/29/2011 14:37	Soil-Solid as dr

Case Narrative

Trip Blanks (Not on COC)

8260B - This Trip Blank has reported 'J' concentrations for Acetone and Methylene Chloride..



Results of OWS COMP

Client Sample ID: **OWS COMP**
Client Project ID: **DOT Lessing Prop**
Lab Sample ID: 31102319001-B
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:00
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 95.90

Results by SW-846 6010C -TCLP

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	ND	U	0.0369	0.100	mg/L	1	09/6/2011 11:16
Selenium	ND	U	0.0268	0.200	mg/L	1	09/6/2011 11:16
Cadmium	0.0232	J	0.0140	0.0500	mg/L	1	09/6/2011 11:16
Lead	0.0606	J	0.0541	0.100	mg/L	1	09/6/2011 11:16
Barium	0.0990	J	0.00394	1.00	mg/L	1	09/6/2011 11:16
Chromium	0.0162	J	0.0147	0.100	mg/L	1	09/6/2011 11:16
Silver	ND	U	0.0105	0.100	mg/L	1	09/6/2011 11:16

Batch Information

Analytical Batch: **MIP1230**
Analytical Method: **SW-846 6010C -TCLP**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **09/06/2011 11:16**

Prep Batch: **MXX1487**
Prep Method: **SW-846 3010A TCLP**
Prep Date/Time: **09/02/2011 17:00**
Prep Initial Wt./Vol.: **5 mL**
Prep Extract Vol: **50 mL**



Results of OWS COMP

Client Sample ID: **OWS COMP**
Client Project ID: **DOT Lessing Prop**
Lab Sample ID: 31102319001-B
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:00
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 95.90

Results by SW-846 7470A-TCLP

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	0.0000610	J	0.0000380	0.000300	mg/L	1	09/6/2011 11:17

Batch Information

Analytical Batch: **MHG1125**
Analytical Method: **SW-846 7470A-TCLP**
Instrument: **HG2**
Analyst: **PSW**
Analytical Date/Time: **09/06/2011 11:17**

Prep Batch: **MXX1488**
Prep Method: **SW-846 7470A PREP TCLP**
Prep Date/Time: **09/06/2011 08:29**
Prep Initial Wt./Vol.: **20 mL**
Prep Extract Vol: **57 mL**



Results of **OWS COMP**

Client Sample ID: **OWS COMP**
Client Project ID: **DOT Lessing Prop**
Lab Sample ID: 31102319001-A
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:00
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 95.90

Results by **9071B (SUB)**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
HEM-Oil & Grease (SG treated)	2969					1	08/31/2011 0:00

Laboratory: **BRL**
Analytical Date/Time: **08/31/2011 00:00**

Prep Method:
Prep Date/Time:



Results of OWS-E (5ft)

Client Sample ID: OWS-E (5ft)
Client Project ID: DOT Lessing Prop
Lab Sample ID: 31102319002-A
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:30
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 84.60

Results by SW-846 8260B

Table with 8 columns: Parameter, Result, Qual, DL, LOQ/CL, Units, DF, Date Analyzed. Lists various chemical compounds and their detection results.



Results of **OWS-E (5ft)**

Client Sample ID: **OWS-E (5ft)**
Client Project ID: **DOT Lessing Prop**
Lab Sample ID: 31102319002-A
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:30
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 84.60

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Dichlorodifluoromethane	ND	U	0.769	5.29	ug/Kg	1	09/6/2011 14:32
cis-1,3-Dichloropropene	ND	U	0.910	5.29	ug/Kg	1	09/6/2011 14:32
trans-1,3-Dichloropropene	ND	U	0.947	5.29	ug/Kg	1	09/6/2011 14:32
Diisopropyl Ether	ND	U	0.949	5.29	ug/Kg	1	09/6/2011 14:32
Ethyl Benzene	ND	U	0.874	5.29	ug/Kg	1	09/6/2011 14:32
Hexachlorobutadiene	ND	U	1.45	5.29	ug/Kg	1	09/6/2011 14:32
Isopropylbenzene (Cumene)	ND	U	1.02	5.29	ug/Kg	1	09/6/2011 14:32
Methyl iodide	ND	U	0.894	5.29	ug/Kg	1	09/6/2011 14:32
Methylene chloride	1.91	J	0.738	21.1	ug/Kg	1	09/6/2011 14:32
Naphthalene	ND	U	1.28	5.29	ug/Kg	1	09/6/2011 14:32
Styrene	ND	U	1.04	5.29	ug/Kg	1	09/6/2011 14:32
Tetrachloroethene	ND	U	0.795	5.29	ug/Kg	1	09/6/2011 14:32
Toluene	ND	U	0.856	5.29	ug/Kg	1	09/6/2011 14:32
Trichloroethene	ND	U	0.885	5.29	ug/Kg	1	09/6/2011 14:32
Trichlorofluoromethane	ND	U	0.797	5.29	ug/Kg	1	09/6/2011 14:32
Vinyl chloride	ND	U	0.778	5.29	ug/Kg	1	09/6/2011 14:32
cis-1,2-Dichloroethene	ND	U	0.819	5.29	ug/Kg	1	09/6/2011 14:32
m,p-Xylene	ND	U	1.87	10.6	ug/Kg	1	09/6/2011 14:32
n-Propylbenzene	ND	U	1.03	5.29	ug/Kg	1	09/6/2011 14:32
o-Xylene	ND	U	1.07	5.29	ug/Kg	1	09/6/2011 14:32
sec-Butylbenzene	ND	U	1.10	5.29	ug/Kg	1	09/6/2011 14:32
tert-Butyl methyl ether (MTBE)	ND	U	0.901	5.29	ug/Kg	1	09/6/2011 14:32
tert-Butylbenzene	ND	U	0.958	5.29	ug/Kg	1	09/6/2011 14:32
trans-1,2-Dichloroethene	ND	U	0.910	5.29	ug/Kg	1	09/6/2011 14:32
trans-1,4-Dichloro-2-butene	ND	U	5.72	26.4	ug/Kg	1	09/6/2011 14:32

Surrogates

1,2-Dichloroethane-d4	117			55.0-173	%	1	09/6/2011 14:32
4-Bromofluorobenzene	105			23.0-141	%	1	09/6/2011 14:32
Toluene d8	105			57.0-134	%	1	09/6/2011 14:32

Batch Information

Analytical Batch: **VMS1525**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **09/06/2011 14:32**

Prep Batch: **VXX2037**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **09/06/2011 08:00**
Prep Initial Wt./Vol.: **5.59 g**
Prep Extract Vol: **5 mL**



Results of OWS-E (5ft)

Client Sample ID: **OWS-E (5ft)**
Client Project ID: **DOT Lessing Prop**
Lab Sample ID: 31102319002-E
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:30
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 84.60

Results by SW-846 8270D

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
1,2,4-Trichlorobenzene	ND	U	31.8	360	ug/Kg	1	09/1/2011 16:52
1,2-Dichlorobenzene	ND	U	17.9	360	ug/Kg	1	09/1/2011 16:52
1,3-Dichlorobenzene	ND	U	24.3	360	ug/Kg	1	09/1/2011 16:52
1,4-Dichlorobenzene	ND	U	25.4	360	ug/Kg	1	09/1/2011 16:52
2,4,5-Trichlorophenol	ND	U	24.0	360	ug/Kg	1	09/1/2011 16:52
2,4,6-Trichlorophenol	ND	U	24.4	360	ug/Kg	1	09/1/2011 16:52
2,4-Dichlorophenol	ND	U	20.8	360	ug/Kg	1	09/1/2011 16:52
2,4-Dinitrophenol	ND	U	33.4	719	ug/Kg	1	09/1/2011 16:52
2,4-Dinitrotoluene	ND	U	18.2	360	ug/Kg	1	09/1/2011 16:52
2,6-Dinitrotoluene	ND	U	25.8	360	ug/Kg	1	09/1/2011 16:52
2-Chloronaphthalene	ND	U	21.2	360	ug/Kg	1	09/1/2011 16:52
2-Chlorophenol	ND	U	19.1	360	ug/Kg	1	09/1/2011 16:52
2-Methylnaphthalene	ND	U	29.1	360	ug/Kg	1	09/1/2011 16:52
2-Methylphenol	ND	U	19.9	360	ug/Kg	1	09/1/2011 16:52
2-Nitroaniline	ND	U	23.7	360	ug/Kg	1	09/1/2011 16:52
2-Nitrophenol	ND	U	17.3	360	ug/Kg	1	09/1/2011 16:52
3 and/or 4-Methylphenol	ND	U	23.4	360	ug/Kg	1	09/1/2011 16:52
3,3'-Dichlorobenzidine	ND	U	17.3	360	ug/Kg	1	09/1/2011 16:52
3-Nitroaniline	ND	U	16.2	360	ug/Kg	1	09/1/2011 16:52
4,6-Dinitro-2-methylphenol	ND	U	16.9	360	ug/Kg	1	09/1/2011 16:52
4-Chloro-3-methylphenol	ND	U	17.9	360	ug/Kg	1	09/1/2011 16:52
4-Chloroaniline	ND	U	28.8	360	ug/Kg	1	09/1/2011 16:52
4-Chlorophenyl phenyl ether	ND	U	38.4	360	ug/Kg	1	09/1/2011 16:52
Acenaphthene	ND	U	16.3	360	ug/Kg	1	09/1/2011 16:52
Acenaphthylene	ND	U	15.2	360	ug/Kg	1	09/1/2011 16:52
Anthracene	ND	U	16.0	360	ug/Kg	1	09/1/2011 16:52
Benzo(a)anthracene	ND	U	19.8	360	ug/Kg	1	09/1/2011 16:52
Benzo(a)pyrene	ND	U	20.4	360	ug/Kg	1	09/1/2011 16:52
Benzo(b)fluoranthene	ND	U	20.7	360	ug/Kg	1	09/1/2011 16:52
Benzo(g,h,i)perylene	ND	U	57.3	360	ug/Kg	1	09/1/2011 16:52
Benzo(k)fluoranthene	ND	U	43.1	360	ug/Kg	1	09/1/2011 16:52
Benzoic acid	ND	U	7.98	360	ug/Kg	1	09/1/2011 16:52
Bis(2-Chloroethoxy)methane	ND	U	16.2	360	ug/Kg	1	09/1/2011 16:52
Bis(2-Chloroethyl)ether	ND	U	33.6	360	ug/Kg	1	09/1/2011 16:52
Bis(2-Chloroisopropyl)ether	ND	U	31.4	360	ug/Kg	1	09/1/2011 16:52
Bis(2-Ethylhexyl)phthalate	ND	U	17.3	360	ug/Kg	1	09/1/2011 16:52
4-Bromophenyl phenyl ether	ND	U	23.7	360	ug/Kg	1	09/1/2011 16:52
Butyl benzyl phthalate	ND	U	31.3	360	ug/Kg	1	09/1/2011 16:52
Chrysene	ND	U	41.9	360	ug/Kg	1	09/1/2011 16:52
Di-n-butyl phthalate	ND	U	17.0	360	ug/Kg	1	09/1/2011 16:52
Di-n-octyl phthalate	ND	U	19.9	360	ug/Kg	1	09/1/2011 16:52
Dibenz(a,h)anthracene	ND	U	16.2	360	ug/Kg	1	09/1/2011 16:52
Dibenzofuran	ND	U	28.2	360	ug/Kg	1	09/1/2011 16:52



Results of **OWS-E (5ft)**

Client Sample ID: **OWS-E (5ft)**
Client Project ID: **DOT Lessing Prop**
Lab Sample ID: 31102319002-E
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:30
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 84.60

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Diethyl phthalate	ND	U	19.4	360	ug/Kg	1	09/1/2011 16:52
Dimethyl phthalate	ND	U	27.6	360	ug/Kg	1	09/1/2011 16:52
2,4-Dimethylphenol	ND	U	26.3	360	ug/Kg	1	09/1/2011 16:52
Diphenylamine	ND	U	16.2	360	ug/Kg	1	09/1/2011 16:52
Fluoranthene	ND	U	33.8	360	ug/Kg	1	09/1/2011 16:52
Fluorene	ND	U	19.1	360	ug/Kg	1	09/1/2011 16:52
Hexachlorobenzene	ND	U	34.1	360	ug/Kg	1	09/1/2011 16:52
Hexachlorobutadiene	ND	U	21.5	360	ug/Kg	1	09/1/2011 16:52
Hexachlorocyclopentadiene	ND	U	109	360	ug/Kg	1	09/1/2011 16:52
Hexachloroethane	ND	U	20.7	360	ug/Kg	1	09/1/2011 16:52
Indeno(1,2,3-cd)pyrene	ND	U	28.1	360	ug/Kg	1	09/1/2011 16:52
Isophorone	ND	U	16.3	360	ug/Kg	1	09/1/2011 16:52
Naphthalene	ND	U	31.1	360	ug/Kg	1	09/1/2011 16:52
4-Nitroaniline	ND	U	20.7	360	ug/Kg	1	09/1/2011 16:52
Nitrobenzene	ND	U	20.7	360	ug/Kg	1	09/1/2011 16:52
4-Nitrophenol	ND	U	35.4	360	ug/Kg	1	09/1/2011 16:52
Pentachlorophenol	ND	U	28.8	360	ug/Kg	1	09/1/2011 16:52
Phenanthrene	ND	U	23.7	360	ug/Kg	1	09/1/2011 16:52
Phenol	ND	U	33.6	360	ug/Kg	1	09/1/2011 16:52
Pyrene	ND	U	15.2	360	ug/Kg	1	09/1/2011 16:52
n-Nitrosodi-n-propylamine	ND	U	103	360	ug/Kg	1	09/1/2011 16:52

Surrogates

2,4,6-Tribromophenol	57.0			41.0-129	%	1	09/1/2011 16:52
2-Fluorobiphenyl	77.0			48.0-123	%	1	09/1/2011 16:52
2-Fluorophenol	84.0			42.0-123	%	1	09/1/2011 16:52
Nitrobenzene-d5	87.0			46.0-117	%	1	09/1/2011 16:52
Phenol-d6	76.0			48.0-125	%	1	09/1/2011 16:52
Terphenyl-d14	81.0			44.0-140	%	1	09/1/2011 16:52

Batch Information

Analytical Batch: **XMS1226**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **09/01/2011 16:52**

Prep Batch: **XXX1727**
Prep Method: **SW-846 3541**
Prep Date/Time: **09/01/2011 11:33**
Prep Initial Wt./Vol.: **32.88 g**
Prep Extract Vol: **10 mL**



Results of OWS-E (5ft)

Client Sample ID: **OWS-E (5ft)**
Client Project ID: **DOT Lessing Prop**
Lab Sample ID: 31102319002-E
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:30
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 84.60

Results by SW-846 6010C

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Silver	0.272	J	0.120	1.07	mg/kg	1	09/1/2011 15:52
Arsenic	ND	U	0.392	1.07	mg/kg	1	09/1/2011 15:52
Barium	1.20	J	0.141	10.7	mg/kg	1	09/1/2011 15:52
Cadmium	0.287	J	0.0821	0.537	mg/kg	1	09/1/2011 15:52
Chromium	1.02	J	0.258	1.07	mg/kg	1	09/1/2011 15:52
Lead	0.968	J	0.856	1.07	mg/kg	1	09/1/2011 15:52
Selenium	ND	U	0.417	2.15	mg/kg	1	09/1/2011 15:52

Batch Information

Analytical Batch: **MIP1227**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **09/01/2011 15:52**

Prep Batch: **MXX1481**
Prep Method: **SW-846 3050B**
Prep Date/Time: **09/01/2011 09:18**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**



Results of OWS-E (5ft)

Client Sample ID: **OWS-E (5ft)**
Client Project ID: **DOT Lessing Prop**
Lab Sample ID: 31102319002-E
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:30
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 84.60

Results by SW-846 7471B

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	0.00101	J	0.000902	0.0200	mg/kg	1	09/2/2011 15:34

Batch Information

Analytical Batch: **MHG1124**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **09/02/2011 15:34**

Prep Batch: **MX1484**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **09/02/2011 10:00**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**



Results of **OWS-E (5ft)**

Client Sample ID: **OWS-E (5ft)**
Client Project ID: **DOT Lessing Prop**
Lab Sample ID: 31102319002-E
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:30
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 84.60

Results by **SW-846 8081B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
4,4'-DDD	ND	U	0.505	10.8	ug/Kg	1	09/2/2011 16:24
4,4'-DDE	ND	U	0.517	10.8	ug/Kg	1	09/2/2011 16:24
4,4'-DDT	ND	U	0.536	10.8	ug/Kg	1	09/2/2011 16:24
Aldrin	ND	U	0.465	10.8	ug/Kg	1	09/2/2011 16:24
Chlordane	ND	U	4.54	35.9	ug/Kg	1	09/2/2011 16:12
Dieldrin	ND	U	0.516	10.8	ug/Kg	1	09/2/2011 16:24
Endosulfan I	ND	U	0.565	10.8	ug/Kg	1	09/2/2011 16:24
Endosulfan II	ND	U	0.536	10.8	ug/Kg	1	09/2/2011 16:24
Endosulfan sulfate	ND	U	0.617	10.8	ug/Kg	1	09/2/2011 16:24
Endrin	ND	U	0.515	10.8	ug/Kg	1	09/2/2011 16:24
Endrin aldehyde	ND	U	0.661	10.8	ug/Kg	1	09/2/2011 16:24
Endrin ketone	ND	U	0.588	10.8	ug/Kg	1	09/2/2011 16:24
Heptachlor	ND	U	0.483	10.8	ug/Kg	1	09/2/2011 16:24
Heptachlor epoxide	ND	U	0.530	10.8	ug/Kg	1	09/2/2011 16:24
Methoxychlor	ND	U	0.650	10.8	ug/Kg	1	09/2/2011 16:24
Toxaphene	ND	U	4.31	35.9	ug/Kg	1	09/2/2011 16:12
alpha-BHC	ND	U	0.401	10.8	ug/Kg	1	09/2/2011 16:24
alpha-Chlordane	ND	U	0.530	10.8	ug/Kg	1	09/2/2011 16:24
beta-BHC	ND	U	0.504	10.8	ug/Kg	1	09/2/2011 16:24
delta-BHC	ND	U	0.401	10.8	ug/Kg	1	09/2/2011 16:24
gamma-BHC (Lindane)	ND	U	0.435	10.8	ug/Kg	1	09/2/2011 16:24
gamma-Chlordane	ND	U	0.541	10.8	ug/Kg	1	09/2/2011 16:24

Surrogates

Dibutylchlorendate	90.0			29.8-134	%	1	09/2/2011 16:12
Tetrachloro-m-xylene	84.0			29.9-132	%	1	09/2/2011 16:12

Batch Information

Analytical Batch: **XGC1532**
Analytical Method: **SW-846 8081B**
Instrument: **ECD3**
Analyst: **DTF**
Analytical Date/Time: **09/02/2011 16:24**

Prep Batch: **XXX1728**
Prep Method: **SW-846 3541**
Prep Date/Time: **09/01/2011 11:37**
Prep Initial Wt./Vol.: **32.86 g**
Prep Extract Vol: **10 mL**



Results of OWS-E (5ft)

Client Sample ID: **OWS-E (5ft)**
Client Project ID: **DOT Lessing Prop**
Lab Sample ID: 31102319002-E
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:30
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 84.60

Results by SW-846 8082A

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Aroclor-1016	ND	U	1.59	36.5	ug/Kg	1	09/2/2011 12:28
Aroclor-1221	ND	U	8.50	36.5	ug/Kg	1	09/2/2011 12:28
Aroclor-1232	ND	U	4.09	36.5	ug/Kg	1	09/2/2011 12:28
Aroclor-1242	ND	U	2.18	36.5	ug/Kg	1	09/2/2011 12:28
Aroclor-1248	ND	U	1.65	36.5	ug/Kg	1	09/2/2011 12:28
Aroclor-1254	ND	U	1.98	36.5	ug/Kg	1	09/2/2011 12:28
Aroclor-1260	ND	U	1.89	36.5	ug/Kg	1	09/2/2011 12:28

Surrogates

Tetrachloro-m-xylene	102			40.0-120	%	1	09/2/2011 12:28
Decachlorobiphenyl	105			40.0-120	%	1	09/2/2011 12:28

Batch Information

Analytical Batch: **XGC1534**
Analytical Method: **SW-846 8082A**
Instrument: **ECD2**
Analyst: **DES**
Analytical Date/Time: **09/02/2011 12:28**

Prep Batch: **XXX1723**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/31/2011 14:15**
Prep Initial Wt./Vol.: **32.09 g**
Prep Extract Vol: **10 mL**



Results of OWS-W (5ft)

Client Sample ID: OWS-W (5ft)
Client Project ID: DOT Lessing Prop
Lab Sample ID: 31102319003-A
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:40
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 93.00

Results by SW-846 8260B

Table with 8 columns: Parameter, Result, Qual, DL, LOQ/CL, Units, DF, Date Analyzed. Lists various chemical compounds and their detection results.



Results of OWS-W (5ft)

Client Sample ID: OWS-W (5ft)
Client Project ID: DOT Lessing Prop
Lab Sample ID: 31102319003-A
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:40
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 93.00

Results by SW-846 8260B

Table with 8 columns: Parameter, Result, Qual, DL, LOQ/CL, Units, DF, Date Analyzed. Lists various chemical compounds and their detection results.

Surrogates

Table with 8 columns: Parameter, Result, Qual, DL, LOQ/CL, Units, DF, Date Analyzed. Lists surrogate compounds like 1,2-Dichloroethane-d4.

Batch Information

Analytical Batch: VMS1525
Analytical Method: SW-846 8260B
Instrument: MSD9
Analyst: DVO
Analytical Date/Time: 09/06/2011 15:00

Prep Batch: VXX2037
Prep Method: SW-846 5035 SL
Prep Date/Time: 09/06/2011 08:00
Prep Initial Wt./Vol.: 5.42 g
Prep Extract Vol: 5 mL



Results of OWS-W (5ft)

Client Sample ID: OWS-W (5ft)
Client Project ID: DOT Lessing Prop
Lab Sample ID: 31102319003-E
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:40
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 93.00

Results by SW-846 8270D

Table with 8 columns: Parameter, Result, Qual, DL, LOQ/CL, Units, DF, Date Analyzed. Lists various chemical compounds and their detection results.



Results of **OWS-W (5ft)**

Client Sample ID: **OWS-W (5ft)**
Client Project ID: **DOT Lessing Prop**
Lab Sample ID: 31102319003-E
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:40
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 93.00

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Diethyl phthalate	ND	U	17.8	330	ug/Kg	1	09/1/2011 18:02
Dimethyl phthalate	ND	U	25.3	330	ug/Kg	1	09/1/2011 18:02
2,4-Dimethylphenol	ND	U	24.2	330	ug/Kg	1	09/1/2011 18:02
Diphenylamine	ND	U	14.9	330	ug/Kg	1	09/1/2011 18:02
Fluoranthene	ND	U	31.0	330	ug/Kg	1	09/1/2011 18:02
Fluorene	ND	U	17.5	330	ug/Kg	1	09/1/2011 18:02
Hexachlorobenzene	ND	U	31.2	330	ug/Kg	1	09/1/2011 18:02
Hexachlorobutadiene	ND	U	19.7	330	ug/Kg	1	09/1/2011 18:02
Hexachlorocyclopentadiene	ND	U	99.9	330	ug/Kg	1	09/1/2011 18:02
Hexachloroethane	ND	U	19.0	330	ug/Kg	1	09/1/2011 18:02
Indeno(1,2,3-cd)pyrene	ND	U	25.8	330	ug/Kg	1	09/1/2011 18:02
Isophorone	ND	U	15.0	330	ug/Kg	1	09/1/2011 18:02
Naphthalene	ND	U	28.5	330	ug/Kg	1	09/1/2011 18:02
4-Nitroaniline	ND	U	19.0	330	ug/Kg	1	09/1/2011 18:02
Nitrobenzene	ND	U	19.0	330	ug/Kg	1	09/1/2011 18:02
4-Nitrophenol	ND	U	32.5	330	ug/Kg	1	09/1/2011 18:02
Pentachlorophenol	ND	U	26.4	330	ug/Kg	1	09/1/2011 18:02
Phenanthrene	ND	U	21.7	330	ug/Kg	1	09/1/2011 18:02
Phenol	ND	U	30.8	330	ug/Kg	1	09/1/2011 18:02
Pyrene	ND	U	13.9	330	ug/Kg	1	09/1/2011 18:02
n-Nitrosodi-n-propylamine	ND	U	94.6	330	ug/Kg	1	09/1/2011 18:02

Surrogates

2,4,6-Tribromophenol	63.0			41.0-129	%	1	09/1/2011 18:02
2-Fluorobiphenyl	82.0			48.0-123	%	1	09/1/2011 18:02
2-Fluorophenol	85.0			42.0-123	%	1	09/1/2011 18:02
Nitrobenzene-d5	93.0			46.0-117	%	1	09/1/2011 18:02
Phenol-d6	77.0			48.0-125	%	1	09/1/2011 18:02
Terphenyl-d14	84.0			44.0-140	%	1	09/1/2011 18:02

Batch Information

Analytical Batch: **XMS1226**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **09/01/2011 18:02**

Prep Batch: **XXX1727**
Prep Method: **SW-846 3541**
Prep Date/Time: **09/01/2011 11:33**
Prep Initial Wt./Vol.: **32.62 g**
Prep Extract Vol: **10 mL**

Results of OWS-W (5ft)

Client Sample ID: **OWS-W (5ft)**
 Client Project ID: **DOT Lessing Prop**
 Lab Sample ID: 31102319003-E
 Lab Project ID: 31102319

Collection Date: 08/29/2011 13:40
 Received Date: 08/29/2011 14:37
 Matrix: Soil-Solid as dry weight
 Solids (%): 93.00

Results by SW-846 6010C

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Silver	0.285	J	0.108	0.961	mg/kg	1	09/1/2011 16:05
Arsenic	ND	U	0.351	0.961	mg/kg	1	09/1/2011 16:05
Barium	1.46	J	0.126	9.61	mg/kg	1	09/1/2011 16:05
Cadmium	0.300	J	0.0734	0.480	mg/kg	1	09/1/2011 16:05
Chromium	0.685	J	0.231	0.961	mg/kg	1	09/1/2011 16:05
Lead	1.33	J	0.766	0.961	mg/kg	1	09/1/2011 16:05
Selenium	ND	U	0.373	1.92	mg/kg	1	09/1/2011 16:05

Batch Information

Analytical Batch: **MIP1227**
 Analytical Method: **SW-846 6010C**
 Instrument: **ICP1**
 Analyst: **PSW**
 Analytical Date/Time: **09/01/2011 16:05**

Prep Batch: **MXX1481**
 Prep Method: **SW-846 3050B**
 Prep Date/Time: **09/01/2011 09:18**
 Prep Initial Wt./Vol.: **.56 g**
 Prep Extract Vol: **50 mL**



Results of OWS-W (5ft)

Client Sample ID: **OWS-W (5ft)**
Client Project ID: **DOT Lessing Prop**
Lab Sample ID: 31102319003-E
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:40
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 93.00

Results by SW-846 7471B

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	ND	U	0.000931	0.0207	mg/kg	1	09/2/2011 15:40

Batch Information

Analytical Batch: **MHG1124**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **09/02/2011 15:40**

Prep Batch: **MXX1484**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **09/02/2011 10:00**
Prep Initial Wt./Vol.: **.52 g**
Prep Extract Vol: **50 mL**



Results of OWS-W (5ft)

Client Sample ID: OWS-W (5ft)
Client Project ID: DOT Lessing Prop
Lab Sample ID: 31102319003-E
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:40
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 93.00

Results by SW-846 8081B

Table with 8 columns: Parameter, Result, Qual, DL, LOQ/CL, Units, DF, Date Analyzed. Lists various pesticides and their detection results.

Surrogates

Table with 2 rows showing surrogate results: Dibutylchlorendate and Tetrachloro-m-xylene.

Batch Information

Analytical Batch: XGC1532
Analytical Method: SW-846 8081B
Instrument: ECD3
Analyst: DTF
Analytical Date/Time: 09/02/2011 16:37

Prep Batch: XXX1728
Prep Method: SW-846 3541
Prep Date/Time: 09/01/2011 11:37
Prep Initial Wt./Vol.: 32.06 g
Prep Extract Vol: 10 mL



Results of OWS-W (5ft)

Client Sample ID: **OWS-W (5ft)**
Client Project ID: **DOT Lessing Prop**
Lab Sample ID: 31102319003-E
Lab Project ID: 31102319

Collection Date: 08/29/2011 13:40
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 93.00

Results by SW-846 8082A

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Aroclor-1016	ND	U	1.42	32.5	ug/Kg	1	09/2/2011 12:40
Aroclor-1221	ND	U	7.56	32.5	ug/Kg	1	09/2/2011 12:40
Aroclor-1232	ND	U	3.64	32.5	ug/Kg	1	09/2/2011 12:40
Aroclor-1242	ND	U	1.94	32.5	ug/Kg	1	09/2/2011 12:40
Aroclor-1248	ND	U	1.47	32.5	ug/Kg	1	09/2/2011 12:40
Aroclor-1254	ND	U	1.76	32.5	ug/Kg	1	09/2/2011 12:40
Aroclor-1260	ND	U	1.68	32.5	ug/Kg	1	09/2/2011 12:40

Surrogates

Tetrachloro-m-xylene	99.3			40.0-120	%	1	09/2/2011 12:40
Decachlorobiphenyl	102			40.0-120	%	1	09/2/2011 12:40

Batch Information

Analytical Batch: **XGC1534**
Analytical Method: **SW-846 8082A**
Instrument: **ECD2**
Analyst: **DES**
Analytical Date/Time: **09/02/2011 12:40**

Prep Batch: **XXX1723**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/31/2011 14:15**
Prep Initial Wt./Vol.: **32.82 g**
Prep Extract Vol: **10 mL**



Results of Trip Blanks (Not on COC)

Client Sample ID: Trip Blanks (Not on COC)
Client Project ID: DOT Lessing Prop
Lab Sample ID: 31102319004-A
Lab Project ID: 31102319

Collection Date: 08/29/2011 00:00
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 100.00

Results by SW-846 8260B

Table with 8 columns: Parameter, Result, Qual, DL, LOQ/CL, Units, DF, Date Analyzed. Lists various chemical compounds and their detection results.



Results of Trip Blanks (Not on COC)

Client Sample ID: **Trip Blanks (Not on COC)**
Client Project ID: **DOT Lessing Prop**
Lab Sample ID: 31102319004-A
Lab Project ID: 31102319

Collection Date: 08/29/2011 00:00
Received Date: 08/29/2011 14:37
Matrix: Soil-Solid as dry weight
Solids (%): 100.00

Results by SW-846 8260B

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Dichlorodifluoromethane	ND	U	0.727	5.00	ug/Kg	1	09/6/2011 12:39
cis-1,3-Dichloropropene	ND	U	0.861	5.00	ug/Kg	1	09/6/2011 12:39
trans-1,3-Dichloropropene	ND	U	0.896	5.00	ug/Kg	1	09/6/2011 12:39
Diisopropyl Ether	ND	U	0.898	5.00	ug/Kg	1	09/6/2011 12:39
Ethyl Benzene	ND	U	0.827	5.00	ug/Kg	1	09/6/2011 12:39
Hexachlorobutadiene	ND	U	1.37	5.00	ug/Kg	1	09/6/2011 12:39
Isopropylbenzene (Cumene)	ND	U	0.963	5.00	ug/Kg	1	09/6/2011 12:39
Methyl iodide	ND	U	0.846	5.00	ug/Kg	1	09/6/2011 12:39
Methylene chloride	1.96	J	0.698	20.0	ug/Kg	1	09/6/2011 12:39
Naphthalene	ND	U	1.21	5.00	ug/Kg	1	09/6/2011 12:39
Styrene	ND	U	0.986	5.00	ug/Kg	1	09/6/2011 12:39
Tetrachloroethene	ND	U	0.752	5.00	ug/Kg	1	09/6/2011 12:39
Toluene	ND	U	0.810	5.00	ug/Kg	1	09/6/2011 12:39
Trichloroethene	ND	U	0.837	5.00	ug/Kg	1	09/6/2011 12:39
Trichlorofluoromethane	ND	U	0.754	5.00	ug/Kg	1	09/6/2011 12:39
Vinyl chloride	ND	U	0.736	5.00	ug/Kg	1	09/6/2011 12:39
cis-1,2-Dichloroethene	ND	U	0.775	5.00	ug/Kg	1	09/6/2011 12:39
m,p-Xylene	ND	U	1.77	10.0	ug/Kg	1	09/6/2011 12:39
n-Propylbenzene	ND	U	0.975	5.00	ug/Kg	1	09/6/2011 12:39
o-Xylene	ND	U	1.01	5.00	ug/Kg	1	09/6/2011 12:39
sec-Butylbenzene	ND	U	1.04	5.00	ug/Kg	1	09/6/2011 12:39
tert-Butyl methyl ether (MTBE)	ND	U	0.852	5.00	ug/Kg	1	09/6/2011 12:39
tert-Butylbenzene	ND	U	0.906	5.00	ug/Kg	1	09/6/2011 12:39
trans-1,2-Dichloroethene	ND	U	0.861	5.00	ug/Kg	1	09/6/2011 12:39
trans-1,4-Dichloro-2-butene	ND	U	5.41	25.0	ug/Kg	1	09/6/2011 12:39

Surrogates

1,2-Dichloroethane-d4	110			55.0-173	%	1	09/6/2011 12:39
4-Bromofluorobenzene	98.0			23.0-141	%	1	09/6/2011 12:39
Toluene d8	99.0			57.0-134	%	1	09/6/2011 12:39

Batch Information

Analytical Batch: **VMS1525**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **09/06/2011 12:39**

Prep Batch: **VXX2037**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **09/06/2011 08:00**
Prep Initial Wt./Vol.: **5 g**
Prep Extract Vol: **5 mL**



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1 CLIENT: DOT / CATUN PHONE NO: 910 452-5861

CONTACT: Ben Ashby @ CATUN SITE/PWSID#: 205072-02

PROJECT: Dot Lessing Prop ben.ashby@catun-usa.com

REPORTS TO: BEN @ CATUN FRANCHISE # R-2633B

INVOICE TO: NC00T QUOTE #: was: 34491-1-2

NO. NUMBER: New / transfer County

SGS Reference: 3102319 PAGE 1 OF 1

No	CONTAINERS	SAMPLE TYPE	C= COMP G= GRAB	Preservatives Used	Analysis Required	REMARKS
2		C		✓	✓	
8		G		✓	✓	
9		G		✓	✓	

2

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX
	OWS COMP	8/29/11	1300	soil
	OWS-EFS	8/29/11	1330	↓
	OWS-W(S)	8/29/11	1340	↓

5

Collected/Relinquished By: (1)	Date	Time	Received By:
<u>Ben Ashby</u>	<u>8/29/11</u>	<u>1437</u>	<u>[Signature]</u>
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

4

Shipping Carrier: _____

Shipping Ticket No: _____

Special Deliverable Requirements: Summary EDD

Special Instructions: Please Report any Low Runs

Requested Turnaround Time: RUSH _____ STD _____

Samples Received Cold? (Circle) YES | NO

Temperature °C: 1.2

Chain of Custody Seal: (Circle) INTACT | BROKEN | ABSENT

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: NCDOT/Catlin

Work Order No.: 31102319

- | | | |
|-----|--|-----------------------------|
| 1. | <input type="checkbox"/> Shipped
<input checked="" type="checkbox"/> Hand Delivered | Notes: _____
_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____
_____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____
_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>1.2</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Received Outside of Temperature Specifications | _____

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____
_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | <u>NA</u>

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____
_____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted | _____
_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____
_____ |

Comments: _____

Inspected and Logged in by: TP
Date: Mon-8/29/11 00:00