

NM1 - 10B

APPROVALS

YEAR(S):

2009

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Tuesday, March 31, 2009 10:02 AM
To: 'Marcella Marquez'
Cc: Powell, Brandon, EMNRD
Subject: Approval to Reuse Remediated Biopile Soils for the Stabilization/Solidification of Drilling Mud and Tank Bottoms and Sludge

RE: Request for Approval to Reuse Remediated Biopile Soils for the Stabilization/Solidification of Drilling Mud and Tank Bottoms and Sludge
JFJ Landfarm, LLC - Industrial Ecosystems Inc.
JFJ Landfarm – Permit # NM01-0010B
NW/4, SE/4, Section 2, Township 29 North, Range 12 West, NMPM,
San Juan County, New Mexico

Dear Ms. Marquez:

The New Mexico Oil Conservation Division (OCD) has reviewed JFJ Landfarm, LLC's (JFJ) request, dated March 26, 2009, and analytical results to reuse the remediated soils in the following biopiles for the stabilization and/or solidification of incoming drilling mud and tank bottoms and sludge:

Pile # 43 Gulf Terra/El Paso
Pile # 108 Largo
Pile # 111 Aztec Well
Pile # 311 Basin
Pile # 500 XTO
Pile # 533 Burlington
Pile # 543 Community
Pile # 567 Community
Pile # 577 Burlington
Pile # 592 Community
Pile # 598 Community
Pile # 622 Burlington
Pile # 639 Burlington
Pile # 649 Conoco
Pile # 662 Conoco

Based upon the information provided, the above-referenced biopiles are hereby approved for the stabilization and/or solidification of incoming drilling mud and tank bottoms and sludge.

Please be advised that approval of this request does not relieve the JFJ of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve JFJ of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3489 or edwardj.hansen@state.nm.us.

Edward J. Hansen
Hydrologist
Environmental Bureau



Industrial Ecosystems Inc.
Soil Reclamation Center

RECEIVED

P.O. Box 2043
Farmington, NM 87499

Phone: (505) 632-1782
Fax: (505) 632-1876

2009 MAR 27 PM 2:21
#49 CR-3150
Aztec, NM 87410

March 26, 2009

Edward Hansen
Environmental Bureau
NM Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RE: Use of reclaimed soil

Dear Brad:

Recent analytical results show that the following biopiles(s) have reached acceptable levels as required by our NMOCD permit.

<u>Pile #</u>	
# 43	Gulf Terra/El Paso
# 108	Largo
# 111	Aztec Well
# 311	Basin
# 500	XTO
# 533	Burlington
# 543	Community
# 567	Community
# 577	Burlington
# 592	Community
# 598	Community
# 622	Burlington
# 639	Burlington
# 649	Conoco
# 662	Conoco

We are seeking your approval to recycle this soil by using it to mix/solidify incoming liquid waste.

Respectfully Submitted,

Marcella Marquez

Marcella Marquez
Administrative Officer

Enclosure(s) – Analytical Reports



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

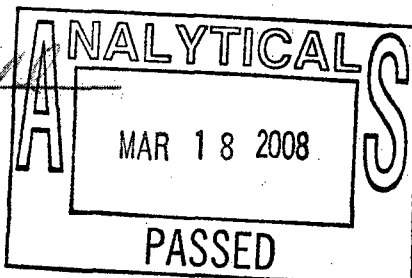
Receiving Date: 03/18/09
Reporting Date: 03/23/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)
		03/18/09	03/18/09
H17078-2	PILE # 43	<10.0	<10.0
Quality Control		505	561
True Value QC		500	500
% Recovery		101	112
Relative Percent Difference		0.6	0.1

METHOD: SW-846 8015 M

Chemist



Date

H17078-2 TPH8015 IEI

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Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Gulf Terra/El Paso #43

Lab Order: 0811466

Collection Date: 11/24/2008 12:55:00 PM

Project: JFJ Land Farm

Date Received: 11/26/2008

Lab ID: 0811466-14

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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EPA METHOD 8021B: VOLATILES

Analyst: DAM

Benzene	ND	0.050		mg/Kg	1	12/3/2008 2:08:29 PM
Toluene	ND	0.050		mg/Kg	1	12/3/2008 2:08:29 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/3/2008 2:08:29 PM
Xylenes, Total	ND	0.15		mg/Kg	1	12/3/2008 2:08:29 PM
Surr: 4-Bromofluorobenzene	89.7	66.8-139		%REC	1	12/3/2008 2:08:29 PM

EPA METHOD 300.0: ANIONS

Analyst: RAGS

Chloride	400	3.0		mg/Kg	10	12/12/2008 2:13:42 AM
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Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Page 14 of 25

Hall Environmental Analysis Laboratory, Inc.

Date: 03-Jan-08

CLIENT: Industrial Ecosystems, Inc.**Client Sample ID:** Largo #108**Lab Order:** 0712353**Collection Date:** 12/26/2007 12:45:00 PM**Project:** JFJ Land Farm**Date Received:** 12/27/2007**Lab ID:** 0712353-16**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	20	10		mg/Kg	1	1/2/2008 12:12:15 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/2/2008 12:12:15 PM
Surr: DNOP	92.3	61.7-135		%REC	1	1/2/2008 12:12:15 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2007 11:19:56 PM
Surr: BFB	108	84-138		%REC	1	12/28/2007 11:19:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	12/28/2007 11:19:56 PM
Benzene	ND	0.050		mg/Kg	1	12/28/2007 11:19:56 PM
Toluene	ND	0.050		mg/Kg	1	12/28/2007 11:19:56 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2007 11:19:56 PM
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2007 11:19:56 PM
Surr: 4-Bromofluorobenzene	96.9	81.4-117		%REC	1	12/28/2007 11:19:56 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

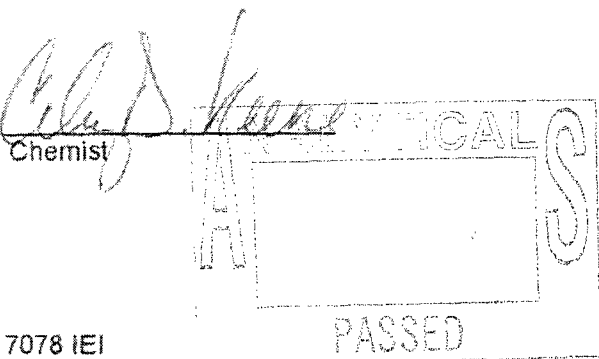
Receiving Date: 03/18/09
Reporting Date: 03/18/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Analysis Date: 03/18/09
Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H17078-13	PILE #108	144
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods 4500-Cl B

Note: Analysis performed on a 1:4 w:v aqueous extract.



03/25/09
Date

H17078 IEI

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49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 03/18/09
Reporting Date: 03/23/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

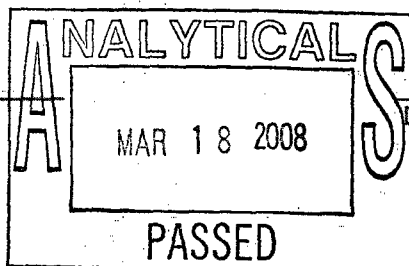
Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER SAMPLE ID DRO
 (>C₁₀-C₂₈)
 (mg/kg)

ANALYSIS DATE:	03/18/09
H17078-5 PILE # 111	18.2
Quality Control	561
True Value QC	500
% Recovery	112
Relative Percent Difference	0.1

METHOD: SW-846 8015 M

Ally D. Kane
Chemist



03/25/09
Date

H17078-5 8015DRO IEI

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RECEIVED

FEB 11 2009

ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
		02/03/09	02/03/09	02/03/09
H16803-1	PILE 1			
H16803-2	PILE 1			
H16803-3	PILE 111	<10.0		96
H16803-4	PILE 1			
H16803-5	PILE 1			
H16803-6	PILE 1			
H16803-7	PILE 1			
H16803-8	PILE 1			
H16803-9	PILE 1			
H16803-10	PILE 1			
Quality Control		487	574	510
True Value QC		500	500	500
% Recovery		97.4	115	102
Relative Percent Difference		4.1	1.2	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B

*Analyses performed on 1:4 w:v aqueous extracts.

Lab Director

Date

H16803 TCL 1E1

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Hall Environmental Analysis Laboratory, Inc.

Date: 30-Jul-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Aztec Well #111

Lab Order: 0807323

Collection Date: 7/22/2008 1:26:00 PM

Project: JFJ Land Farm

Date Received: 7/24/2008

Lab ID: 0807323-12

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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EPA METHOD 8021B: VOLATILES

Analyst: NSB

Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	7/26/2008 6:17:39 AM
Benzene	ND	0.050		mg/Kg	1	7/26/2008 6:17:39 AM
Toluene	ND	0.050		mg/Kg	1	7/26/2008 6:17:39 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/26/2008 6:17:39 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/26/2008 6:17:39 AM
Surr: 4-Bromofluorobenzene	96.1	81.4-117		%REC	1	7/26/2008 6:17:39 AM

EPA METHOD 300.0: ANIONS

Analyst: IC

Chloride	200	3.0		mg/Kg	10	7/30/2008 1:28:41 AM
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Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
C Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

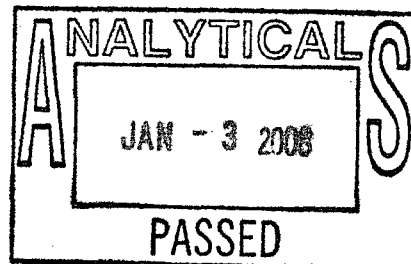
Hall Environmental Analysis Laboratory, Inc.

Date: 03-Jan-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0712353
Project: JFJ Land Farm
Lab ID: 0712353-03

Client Sample ID: Basin #311
Collection Date: 12/26/2007 9:45:00 AM
Date Received: 12/27/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	20	10		mg/Kg	1	1/2/2008 9:42:29 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/2/2008 9:42:29 AM
Surr: DNOP	78.7	61.7-135		%REC	1	1/2/2008 9:42:29 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2007 12:47:51 PM
Surr: BFB	108	84-138		%REC	1	12/28/2007 12:47:51 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	12/28/2007 12:47:51 PM
Benzene	ND	0.050		mg/Kg	1	12/28/2007 12:47:51 PM
Toluene	ND	0.050		mg/Kg	1	12/28/2007 12:47:51 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2007 12:47:51 PM
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2007 12:47:51 PM
Surr: 4-Bromofluorobenzene	98.0	81.4-117		%REC	1	12/28/2007 12:47:51 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 03/18/09
Reporting Date: 03/18/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Analysis Date: 03/18/09
Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM

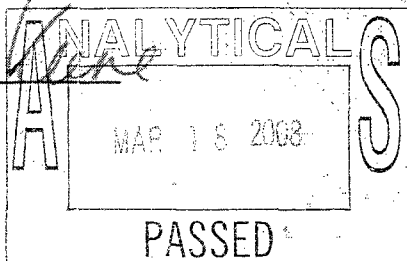
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H17078-14	PILE #311	32
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods

4500-Cl/B

Note: Analysis performed on a 1:4 w/v aqueous extract.

Chief S. Hent
Chemist



03/25/09
Date

H17078 IEI

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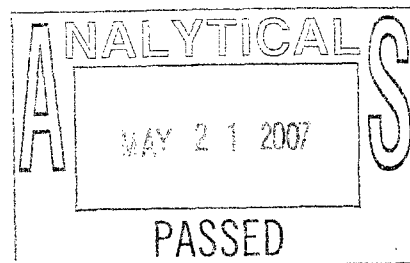
Hall Environmental Analysis Laboratory, Inc.

Date: 21-May-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0705249
Project: JFJ Land Farm
Lab ID: 0705249-12

Client Sample ID: XTO #500
Collection Date: 5/15/2007 12:23:00 PM
Date Received: 5/17/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/20/2007 12:55:30 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/20/2007 12:55:30 PM
Surr: DNOP	97.5	61.7-135		%REC	1	5/20/2007 12:55:30 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/18/2007 11:40:45 PM
Surr: BFB	112	84-138		%REC	1	5/18/2007 11:40:45 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	5/18/2007 11:40:45 PM
Benzene	ND	0.050		mg/Kg	1	5/18/2007 11:40:45 PM
Toluene	ND	0.050		mg/Kg	1	5/18/2007 11:40:45 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/18/2007 11:40:45 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/18/2007 11:40:45 PM
Surr: 4-Bromofluorobenzene	87.9	68.2-109		%REC	1	5/18/2007 11:40:45 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Analysis Date: 03/18/09
Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H17078-15	PILE #500	192
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

4500-C/B

Note: Analysis performed on a 1:4 w:v aqueous extract.

Chemist

Date _____

H17078 IEI

ANALYTICAL
MAR 13 2008
PASSED

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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INDUSTRIAL ECOSYSTEMS, INC.
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49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

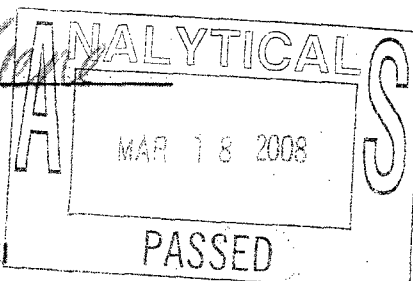
Receiving Date: 03/18/09
Reporting Date: 03/23/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)
ANALYSIS DATE:		03/20/09	03/20/09
H17078-19	PILE # 533	<10.0	51.1
Quality Control		494	556
True Value QC		500	500
% Recovery		98.8	111
Relative Percent Difference		0.6	5.6

METHOD: SW-846 8015 M

Alfred K...
Chemist



03/25/09
Date

H17078-19 TPH8015 IEI

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Hall Environmental Analysis Laboratory, Inc.

Date: 09-Feb-07

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Burlington 533

Lab Order: 0701333

Collection Date: 1/25/2007 12:40:00 PM

Project: JFJ Land Farm

Date Received: 1/29/2007

Lab ID: 0701333-07

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
----------	--------	-----	------	-------	----	---------------

EPA METHOD 8021B: VOLATILES

Analyst: LMM

Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	1/30/2007 5:30:32 PM
Benzene	ND	0.050		mg/Kg	1	1/30/2007 5:30:32 PM
Toluene	ND	0.050		mg/Kg	1	1/30/2007 5:30:32 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/30/2007 5:30:32 PM
Xylenes, Total	ND	0.15		mg/Kg	1	1/30/2007 5:30:32 PM
Surr: 4-Bromofluorobenzene	95.9	68.2-109		%REC	1	1/30/2007 5:30:32 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

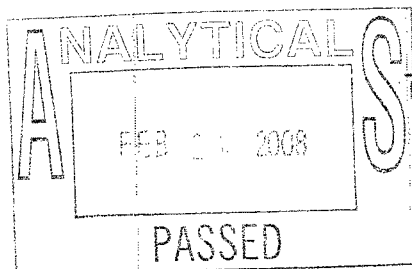
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16948-16	PILE #533	176
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-ClB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Cheryl D. Keene
Chemist



02/24/09
Date

H16948 IEI

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ANALYTICAL RESULTS FOR
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ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 03/18/09
Reporting Date: 03/23/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO	DRO
		(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₈) (mg/kg)
ANALYSIS DATE:		03/20/09	03/20/09
H17078-20	PILE # 543	<10.0	37.6
Quality Control		494	556
True Value QC		500	500
% Recovery		98.8	111
Relative Percent Difference		0.6	5.6

METHOD: SW-846 8015 M

Cheryl Keane
Chemist

ANALYTICAL

H17078-20 TPH8015 IEI

PASSED

03/25/09
Date

Hall Environmental Analysis Laboratory, Inc.

Date: 26-Feb-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Community #543

Lab Order: 0802255

Collection Date: 2/19/2008 2:30:00 PM

Project: JFJ Land Farm

Date Received: 2/21/2008

Lab ID: 0802255-18

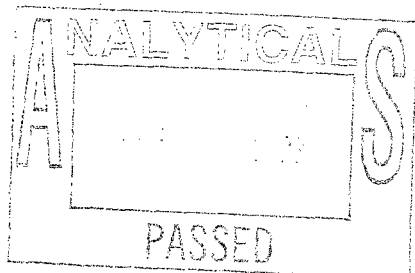
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
----------	--------	-----	------	-------	----	---------------

EPA METHOD 8260B: VOLATILES SHORT LIST

Analyst: SMP

Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/23/2008 11:08:41 AM
Benzene	ND	0.050		mg/Kg	1	2/23/2008 11:08:41 AM
Toluene	ND	0.050		mg/Kg	1	2/23/2008 11:08:41 AM
Ethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 11:08:41 AM
Xylenes, Total	ND	0.10		mg/Kg	1	2/23/2008 11:08:41 AM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 11:08:41 AM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 11:08:41 AM
Surr: Dibromofluoromethane	88.7	64.4-119		%REC	1	2/23/2008 11:08:41 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 03/18/09
Reporting Date: 03/24/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Analysis Date: 03/18/09
Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H17078-20	PILE #543	432
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods

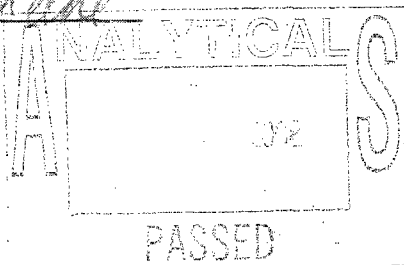
4500-Cl⁻B

Note: Analysis performed on a 1:4 w/v aqueous extract.

Chemist

Date

H17078 IEI



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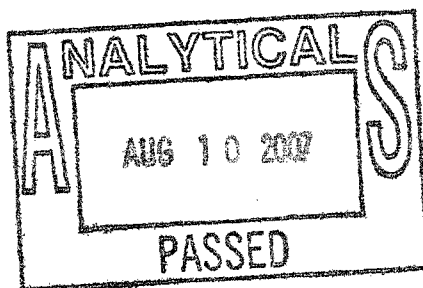
Hall Environmental Analysis Laboratory, Inc.

Date: 10-Aug-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0708103
Project: JFJ Land Farm
Lab ID: 0708103-01

Client Sample ID: Community #567
Collection Date: 8/7/2007 8:45:00 AM
Date Received: 8/8/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	12	10		mg/Kg	1	8/9/2007 4:11:57 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/9/2007 4:11:57 PM
Surr: DNOP	95.0	61.7-135		%REC	1	8/9/2007 4:11:57 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: LMM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/9/2007 11:39:57 AM
Surr: BFB	102	84-138		%REC	1	8/9/2007 11:39:57 AM
EPA METHOD 8021B: VOLATILES						Analyst: LMM
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	8/9/2007 11:39:57 AM
Benzene	ND	0.050		mg/Kg	1	8/9/2007 11:39:57 AM
Toluene	ND	0.050		mg/Kg	1	8/9/2007 11:39:57 AM
Ethylbenzene	ND	0.050		mg/Kg	1	8/9/2007 11:39:57 AM
Xylenes, Total	ND	0.10		mg/Kg	1	8/9/2007 11:39:57 AM
Surr: 4-Bromofluorobenzene	90.1	68.2-109		%REC	1	8/9/2007 11:39:57 AM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 03/18/09
Reporting Date: 03/18/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Analysis Date: 03/18/09
Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM

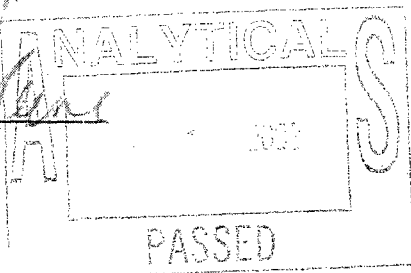
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H17078-16	PILE #567	32
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods

4500-Cl⁻B

Note: Analysis performed on a 1:4 w:v aqueous extract.

Chemist



Date

03/25/09

H17078 IEI

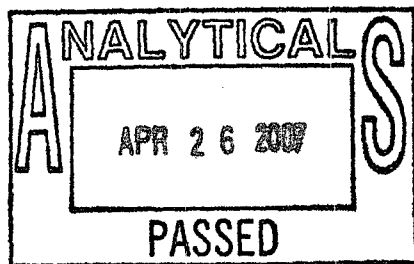
Hall Environmental Analysis Laboratory, Inc.

Date: 30-Apr-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0704405
Project: JFJ Land Farm
Lab ID: 0704405-14

Client Sample ID: Burlington #577
Collection Date: 4/25/2007 11:32:00 AM
Date Received: 4/26/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	13	10		mg/Kg	1	4/28/2007 9:04:55 PM
Motor Oil Range Organics (MRO)	68	50		mg/Kg	1	4/28/2007 9:04:55 PM
Surr: DNOP	99.8	61.7-135		%REC	1	4/28/2007 9:04:55 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/27/2007 8:04:28 PM
Surr: BFB	113	84-138		%REC	1	4/27/2007 8:04:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	4/27/2007 8:04:28 PM
Benzene	ND	0.050		mg/Kg	1	4/27/2007 8:04:28 PM
Toluene	ND	0.050		mg/Kg	1	4/27/2007 8:04:28 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/27/2007 8:04:28 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/27/2007 8:04:28 PM
Surr: 4-Bromofluorobenzene	90.2	68.2-109		%REC	1	4/27/2007 8:04:28 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN


Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

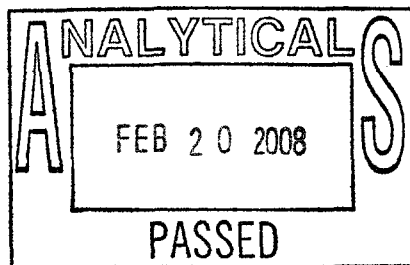
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16948-2	PILE #577	304
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-Cl/B

Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist




Date

H16948 IEI

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ANALYTICAL RESULTS FOR
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ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

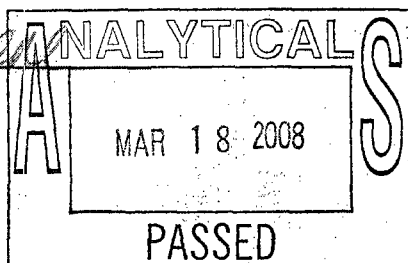
Receiving Date: 03/18/09
Reporting Date: 03/23/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)
		03/18/09	03/18/09
H17078-6	PILE # 592	<10.0	49.4
Quality Control		505	561
True Value QC		500	500
% Recovery		101	112
Relative Percent Difference		0.6	0.1

METHOD: SW-846 8015 M

Chemist



Date

H17078-6 TPH8015 IEI

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INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 03/18/09
Reporting Date: 03/23/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

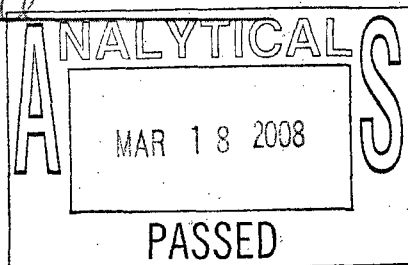
LAB NUMBER	SAMPLE ID	ETHYL TOTAL			
		BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS DATE		03/19/09	03/19/09	03/19/09	03/19/09
H17078-6	PILE #592	<0.050	<0.050	<0.050	<0.300
Quality Control		0.050	0.051	0.050	0.150
True Value QC		0.050	0.050	0.050	0.150
% Recovery		100	102	100	100
Relative Percent Difference		3.0	1.8	1.9	2.0

METHOD: EPA SW-846 8021B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.

Chemist

Date



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 03/18/09
Reporting Date: 03/24/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Analysis Date: 03/18/09
Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM

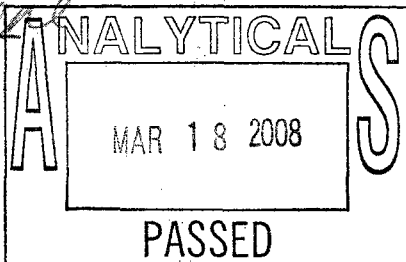
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H17078-6	PILE #592	16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods

4500-Cl⁻B

Note: Analysis performed on a 1:4 w:v aqueous extract.

Chemist



Date

03/25/09

H17078 IEI

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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

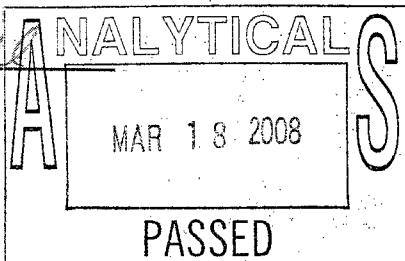
Receiving Date: 03/18/09
Reporting Date: 03/23/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)
ANALYSIS DATE:		03/19/09	03/19/09
H17078-7	PILE # 598	<10.0	32.7
Quality Control		505	561
True Value QC		500	500
% Recovery		101	112
Relative Percent Difference		0.6	0.1

METHOD: SW-846 8015 M

Chemist



Date

H17078-7 TPH8015 IEI

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INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 03/18/09
Reporting Date: 03/23/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
------------	-----------	--------------------	--------------------	-----------------------------	-----------------------------

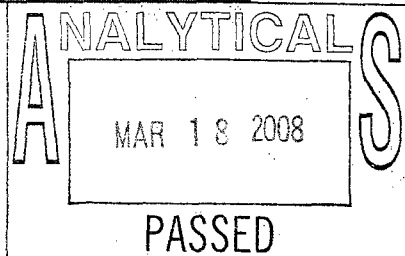
ANALYSIS DATE	03/19/09	03/19/09	03/19/09	03/19/09
H17078-7 PILE #598	<0.050	<0.050	<0.050	<0.300
Quality Control	0.050	0.051	0.050	0.150
True Value QC	0.050	0.050	0.050	0.150
% Recovery	100	102	100	100
Relative Percent Difference	3.0	1.8	1.9	2.0

METHOD: EPA SW-846 8021B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.

Chemist

Date



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 03/18/09
Reporting Date: 03/24/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Analysis Date: 03/18/09
Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM

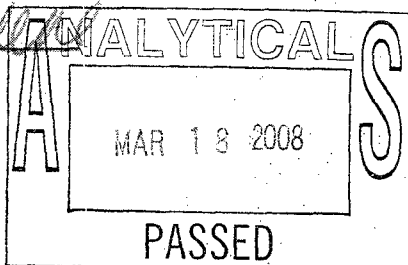
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H17078-7	PILE #598	16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods

4500-Cl⁻B

Note: Analysis performed on a 1:4 w:v aqueous extract.

Chemist



Date

H17078 IEI

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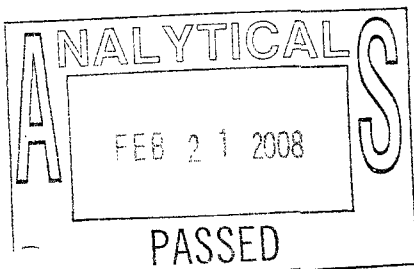
Hall Environmental Analysis Laboratory, Inc.

Date: 26-Feb-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0802255
Project: JFJ Land Farm
Lab ID: 0802255-15

Client Sample ID: Burlington #622
Collection Date: 2/19/2008 12:46:00 PM
Date Received: 2/21/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	10	10		mg/Kg	1	2/22/2008 11:20:24 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/22/2008 11:20:24 PM
Surr: DNOP	97.3	61.7-135		%REC	1	2/22/2008 11:20:24 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	10	5.0		mg/Kg	1	2/22/2008 9:28:30 PM
Surr: BFB	136	84-138		%REC	1	2/22/2008 9:28:30 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: SMP
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/23/2008 7:36:29 AM
Benzene	ND	0.050		mg/Kg	1	2/23/2008 7:36:29 AM
Toluene	ND	0.050		mg/Kg	1	2/23/2008 7:36:29 AM
Ethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 7:36:29 AM
Xylenes, Total	ND	0.10		mg/Kg	1	2/23/2008 7:36:29 AM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 7:36:29 AM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 7:36:29 AM
Surr: Dibromofluoromethane	87.7	64.4-119		%REC	1	2/23/2008 7:36:29 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 03/18/09
Reporting Date: 03/18/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Analysis Date: 03/18/09
Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM

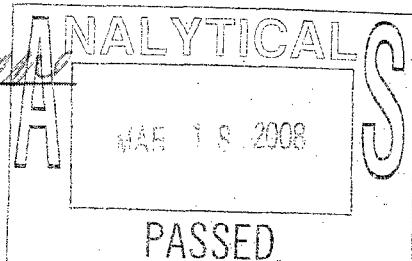
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H17078-22	PILE #622	64
Quality Control		500
True Value ClC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods

4500-Cl⁻B

Note: Analysis performed on a 1:4 w:v aqueous extract

Cheryl K...
Chemist



03/25/09
Date

H17078 IEI

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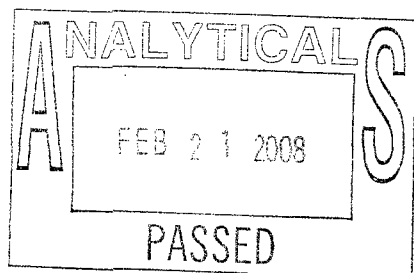
Hall Environmental Analysis Laboratory, Inc.

Date: 26-Feb-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0802255
Project: JFJ Land Farm
Lab ID: 0802255-17

Client Sample ID: Burlington #639
Collection Date: 2/19/2008 2:00:00 PM
Date Received: 2/21/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/23/2008 12:29:46 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/23/2008 12:29:46 AM
Surr: DNOP	76.4	61.7-135		%REC	1	2/23/2008 12:29:46 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/22/2008 10:29:20 PM
Surr: BFB	100	84-138		%REC	1	2/22/2008 10:29:20 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: SMP
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/23/2008 10:33:16 AM
Benzene	ND	0.050		mg/Kg	1	2/23/2008 10:33:16 AM
Toluene	ND	0.050		mg/Kg	1	2/23/2008 10:33:16 AM
Ethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 10:33:16 AM
Xylenes, Total	ND	0.10		mg/Kg	1	2/23/2008 10:33:16 AM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 10:33:16 AM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 10:33:16 AM
Surr: Dibromofluoromethane	84.3	64.4-119		%REC	1	2/23/2008 10:33:16 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 03/18/09
Reporting Date: 03/18/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Analysis Date: 03/18/09
Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM

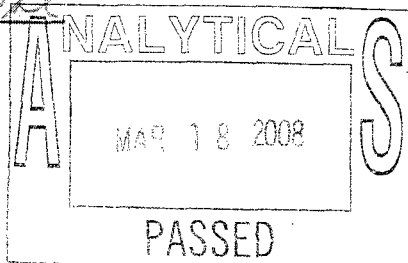
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H17078-24	PILE #639	< 16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-Cl ⁻ B
--------------------------	------------------------

Note: Analysis performed on a 1:4 w:v aqueous extract.

Ally S. K...
Chemist

03/15/09
Date



H17078 IEI



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
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AZTEC, NM 87410
FAX TO: (505) 632-1782

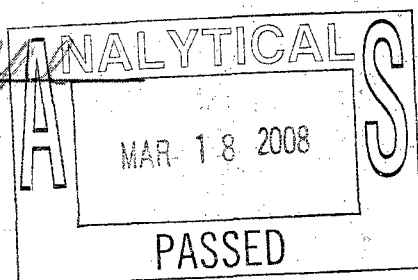
Receiving Date: 03/18/09
Reporting Date: 03/23/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)
		03/20/09	03/20/09
H17078-8	PILE # 649	<10.0	34.9
Quality Control		494	556
True Value QC		500	500
% Recovery		98.8	111
Relative Percent Difference		0.6	5.6

METHOD: SW-846 8015 M

Chemist



Date

H17078-8 TPH8015 IEI

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INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 03/18/09
Reporting Date: 03/23/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
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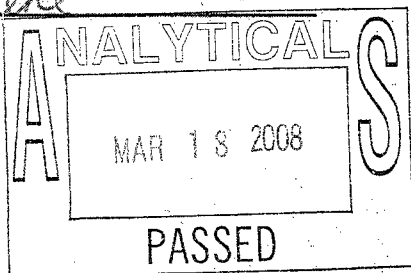
ANALYSIS DATE	03/19/09	03/19/09	03/19/09	03/19/09
H17078-8 PILE #649	<0.050	<0.050	<0.050	<0.300
Quality Control	0.050	0.051	0.050	0.150
True Value QC	0.050	0.050	0.050	0.150
% Recovery	100	102	100	100
Relative Percent Difference	3.0	1.8	1.9	2.0

METHOD: EPA SW-846 8021B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.

Chemist

Date



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INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 03/18/09
Reporting Date: 03/24/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Analysis Date: 03/18/09
Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H17078-8	PILE #649	32
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

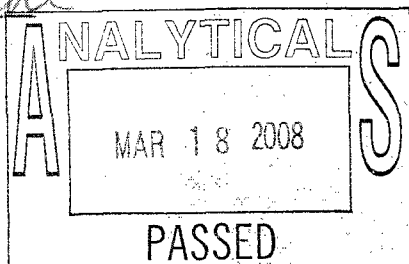
METHOD: Standard Methods

4500-Cl⁻B

Note: Analysis performed on a 1:4 w:v aqueous extract.

Alan D. Keene
Chemist

03/25/09
Date



H17078 IEI

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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

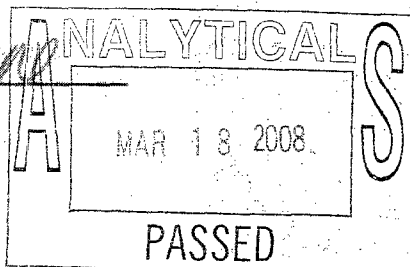
Receiving Date: 03/18/09
Reporting Date: 03/23/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

		DRO ($>C_{10}-C_{28}$) (mg/kg)
LAB NUMBER	SAMPLE ID	
ANALYSIS DATE:		03/20/09
H17078-9	PILE # 662	16.4
Quality Control		556
True Value QC		500
% Recovery		111
Relative Percent Difference		5.6

METHOD: SW-846 8015 M

Chemist



Date

03/25/09

H17078-9 8015DRO IEI

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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

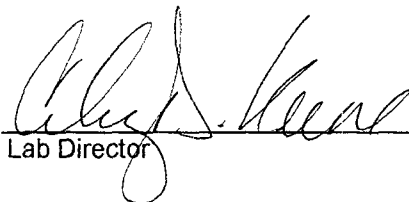
Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	Cl* (mg/kg)
------------	-----------	--	--	----------------

ANALYSIS DATE	02/04/09	02/04/09	02/03/09
H16803-11 PILE	<	<	<
H16803-12 PILE	<	<	<
H16803-13 PILE	<	<	<
H16803-14 PILE 662	<10.0	<	176
Quality Control	492	583	510
True Value QC	500	500	500
% Recovery	98.4	117	102
Relative Percent Difference	1.2	1.8	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-Cl/B

*Analyses performed on 1:4 w:v aqueous extracts.


Lab Director


Date

H16803 TCL IEI

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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

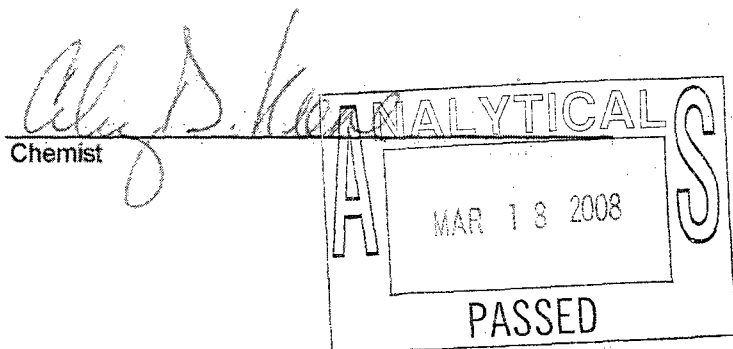
Receiving Date: 03/18/09
Reporting Date: 03/23/09
Project Number: 7165
Project Name: SAMPLES
Project Location: NOT GIVEN

Sampling Date: 03/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

LAB NUMBER	SAMPLE ID	ETHYL TOTAL			
		BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS DATE		03/19/09	03/19/09	03/19/09	03/19/09
H17078-9	PILE #662	<0.050	<0.050	<0.050	<0.300
Quality Control		0.050	0.051	0.050	0.150
True Value QC		0.050	0.050	0.050	0.150
% Recovery		100	102	100	100
Relative Percent Difference		3.0	1.8	1.9	2.0

METHOD: EPA SW-846 8021B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.



03/25/09
Date

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Tuesday, March 31, 2009 9:52 AM
To: 'Marcella Marquez'
Cc: Powell, Brandon, EMNRD
Subject: Approval to Reuse Remediated Biopile Soils for the Stabilization/Solidification of Drilling Mud and Tank Bottoms and Sludge

RE: Request for Approval to Reuse Remediated Biopile Soils for the Stabilization/Solidification of Drilling Mud and Tank Bottoms and Sludge
JFJ Landfarm, LLC - Industrial Ecosystems Inc.
JFJ Landfarm – Permit # NM01-0010B
NW/4, SE/4, Section 2, Township 29 North, Range 12 West, NMPM,
San Juan County, New Mexico

Dear Ms. Marquez:

The New Mexico Oil Conservation Division (OCD) has reviewed JFJ Landfarm, LLC's (JFJ) request, dated February 27, 2009, and analytical results to reuse the remediated soils in the following biopiles for the stabilization and/or solidification of incoming drilling mud and tank bottoms and sludge:

Pile # 106 Conoco

Pile # 587 Basin

Pile # 617 Burlington

Pile # 651 Burlington

Pile # 570 Basin

Pile # 616 Burlington

Pile # 645 Conoco

Pile # 653 Conoco

Based upon the information provided, the above-referenced biopiles are hereby approved for the stabilization and/or solidification of incoming drilling mud and tank bottoms and sludge.

Please be advised that approval of this request does not relieve the JFJ of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve JFJ of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3489 or edwardj.hansen@state.nm.us.

Edward J. Hansen
Hydrologist
Environmental Bureau



Industrial Ecosystems Inc.
Soil Reclamation Center

P.O. Box 2043
Farmington, NM 87499

Phone: (505) 632-1782
Fax: (505) 632-1876

RECEIVED
2009 MAR 29 3:50 1 22
Aztec, NM 87410

February 27, 2009

Brad A. Jones
Environmental Bureau
NM Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RE: Use of reclaimed soil

Dear Brad:

Recent analytical results show that the following biopiles(s) have reached acceptable levels as required by our NMOCD permit.

<u>Pile #</u>	<u>Pile #</u>
# 106 Conoco	• # 570 Basin
# 587 Basin	• # 616 Burlington
• # 617 Burlington	• # 645 Conoco
• # 651 Burlington	• # 653 Conoco

We are seeking your approval to recycle this soil by using it to mix/solidify incoming liquid waste.

Respectfully Submitted,

Marcella Marquez
Administrative Officer

Enclosure(s) – Analytical Reports



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

RECEIVED

ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

FEB 11 2008

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

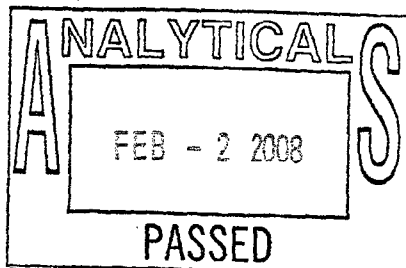
Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
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ANALYSIS DATE		02/03/09	02/03/09	02/03/09
H16803-1	PILE 106	<10.0	31.1	32
H16803-2	PILE			
H16803-3	PILE			
H16803-4	PILE			
H16803-5	PILE			
H16803-6	PILE			
H16803-7	PILE			
H16803-8	PILE			
H16803-9	PILE			
H16803-10	PILE			
Quality Control		487	574	510
True Value QC		500	500	500
% Recovery		97.4	115	102
Relative Percent Difference		4.1	1.2	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI/B

*Analyses performed on 1:4 w:v aqueous extracts.



Lab Director

Date

H16803 TCL IET

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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN
Lab Number: H16803-1
Sample ID: PILE 106

Analysis Date: 02/03/09
Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

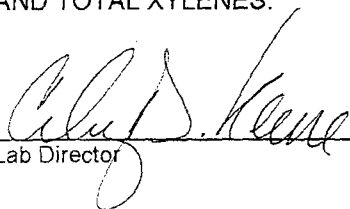
VOLATILES (mg/kg)	Sample Result H16803-1	Method Blank	QC	%Recov.	True Value QC
Benzene	<0.050	<0.050	0.058	117	0.050
Toluene	<0.050	<0.050	0.049	98.5	0.050
Ethylbenzene	<0.050	<0.050	0.050	99.8	0.050
m,p-Xylene	<0.100	<0.100	0.100	100	0.100
o-Xylene	<0.050	<0.050	0.055	110	0.050

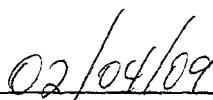
% RECOVERY

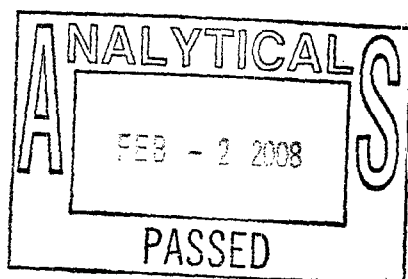
Dibromofluoromethane	113
Fluorobenzene	115
Toluene-d8	76.1
Bromofluorobenzene	79.2

METHODS: EPA SW-846 8260

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Lab Director


Date



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AZTEC, NM 87410
FAX TO: (505) 632-1876

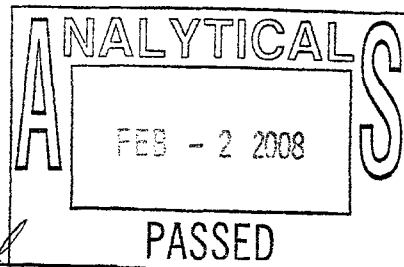
Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE		02/03/09	02/03/09	02/03/09
H16803-1				
H16803-2				
H16803-3				
H16803-4	PILE 570	<10.0	<10.0	< 16
H16803-5				
H16803-6				
H16803-7				
H16803-8				
H16803-9				
H16803-10				
Quality Control		487	574	510
True Value QC		500	500	500
% Recovery		97.4	115	102
Relative Percent Difference		4.1	1.2	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI/B

*Analyses performed on 1:4 w:v aqueous extracts.



Lab Director

Date

H16803 TCL 1E1

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AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN
Lab Number: H16803-4
Sample ID: PILE 570

Analysis Date: 02/03/09
Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL


VOLATILES (mg/kg)	Sample Result H16803-4	Method Blank	QC	%Recov.	True Value QC
Benzene	<0.050	<0.050	0.058	117	0.050
Toluene	<0.050	<0.050	0.049	98.5	0.050
Ethylbenzene	<0.050	<0.050	0.050	99.8	0.050
m,p-Xylene	<0.100	<0.100	0.100	100	0.100
o-Xylene	<0.050	<0.050	0.055	110	0.050

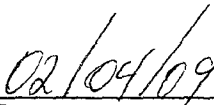
% RECOVERY

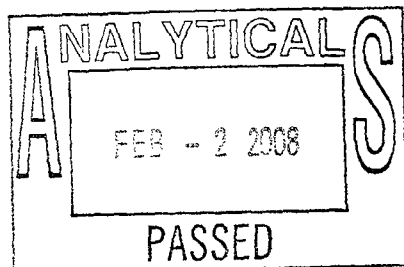
Dibromofluoromethane	109
Fluorobenzene	113
Toluene-d8	77.4
Bromofluorobenzene	87.5

METHODS: EPA SW-846.8260

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Lab Director


Date



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FAX TO: (505) 632-1876

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

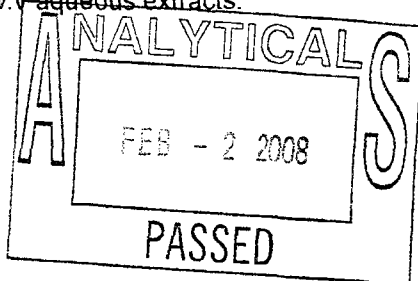
Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	Cl* (mg/kg)
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ANALYSIS DATE		02/03/09	02/03/09	02/03/09
H16803-1				
H16803-2				
H16803-3				
H16803-4				
H16803-5	PILE 587	<10.0	<10.0	< 16
H16803-6				
H16803-7				
H16803-8				
H16803-9				
H16803-10				
Quality Control		487	574	510
True Value QC		500	500	500
% Recovery		97.4	115	102
Relative Percent Difference		4.1	1.2	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

*Analyses performed on 1:4 w/v aqueous extracts.



Lab Director

Date

H16803 TCL



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ANALYTICAL RESULTS FOR
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ATTN: MARCELLA MARQUEZ
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AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN
Lab Number: H16803-5
Sample ID: PILE 587

Analysis Date: 02/03/09
Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL


VOLATILES (mg/kg)	Sample Result H16803-5	Method Blank	QC	%Recov.	True Value QC
Benzene	<0.050	<0.050	0.058	117	0.050
Toluene	<0.050	<0.050	0.049	98.5	0.050
Ethylbenzene	0.092	<0.050	0.050	99.8	0.050
m,p-Xylene	<0.100	<0.100	0.100	100	0.100
o-Xylene	<0.050	<0.050	0.055	110	0.050


% RECOVERY

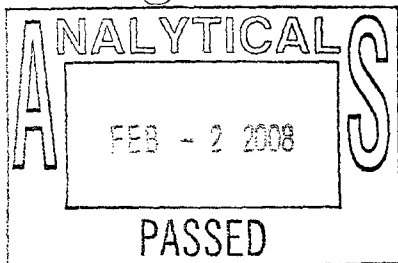
Dibromofluoromethane	113
Fluorobenzene	120
Toluene-d8	84.2
Bromofluorobenzene	78.2

METHODS: EPA SW-846 8260

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Lab Director


Date



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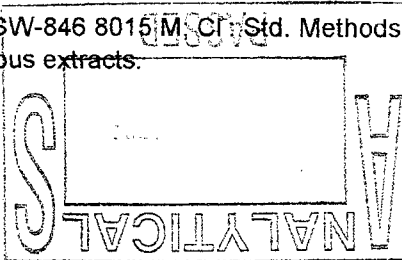
Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	Cl* (mg/kg)
		02/03/09	02/03/09	02/03/09
H16803-1				
H16803-2				
H16803-3				
H16803-4				
H16803-5				
H16803-6				
H16803-7	PII F 616	<10.0	<10.0	32
H16803-8				
H16803-9				
H16803-10				
Quality Control		487	574	510
True Value QC		500	500	500
% Recovery		97.4	115	102
Relative Percent Difference		4.1	1.2	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M Cl* Std. Methods 4500-Cl*B

*Analyses performed on 1:4 w:v aqueous extracts.



Lab Director

H16803 TCL (E)

Date



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN
Lab Number: H16803-7
Sample ID: PILE 616

Analysis Date: 02/03/09
Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

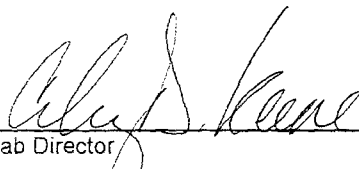
VOLATILES (mg/kg)	Sample Result H16803-7	Method Blank	QC	%Recov.	True Value QC
Benzene	<0.050	<0.050	0.058	117	0.050
Toluene	<0.050	<0.050	0.049	98.5	0.050
Ethylbenzene	<0.050	<0.050	0.050	99.8	0.050
m,p-Xylene	<0.100	<0.100	0.100	100	0.100
o-Xylene	0.124	<0.050	0.055	110	0.050

% RECOVERY

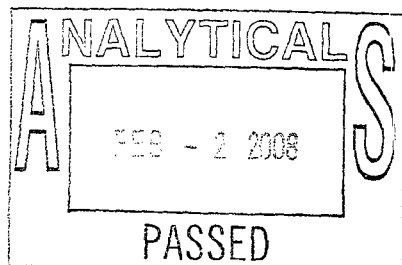
Dibromofluoromethane	96.8
Fluorobenzene	115
Toluene-d8	86.0
Bromofluorobenzene	78.9

METHODS: EPA SW-846 8260

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Lab Director


Date



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INDUSTRIAL ECOSYSTEMS, INC.
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49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

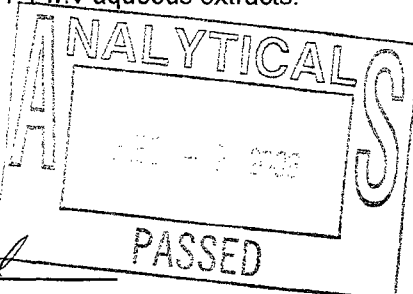
Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
		02/03/09	02/03/09	02/03/09
H16803-1		<	<	<
H16803-2		<	<	<
H16803-3	PILE	<	<	<
H16803-4	PILE	<	<	<
H16803-5	PILE	<	<	<
H16803-6	PILE	<	<	<
H16803-7	PILE	<	<	<
H16803-8	PILE 617	<10.0	<10.0	48
H16803-9	PILE	<	<	<
H16803-10	PILE	<	<	<
Quality Control		487	574	510
True Value QC		500	500	500
% Recovery		97.4	115	102
Relative Percent Difference		4.1	1.2	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B

*Analyses performed on 1:4 w:v aqueous extracts.



Lab Director

Date

H16803 TCL (E)

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ANALYTICAL RESULTS FOR
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AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN
Lab Number: H16803-8
Sample ID: PILE 617

Analysis Date: 02/03/09
Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

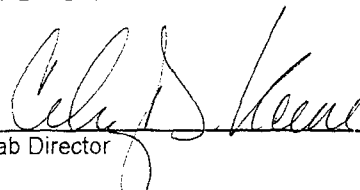
VOLATILES (mg/kg)	Sample Result H16803-8	Method Blank	QC	%Recov.	True Value QC
Benzene	<0.050	<0.050	0.058	117	0.050
Toluene	<0.050	<0.050	0.049	98.5	0.050
Ethylbenzene	0.101	<0.050	0.050	99.8	0.050
m,p-Xylene	<0.100	<0.100	0.100	100	0.100
o-Xylene	0.120	<0.050	0.055	110	0.050

% RECOVERY

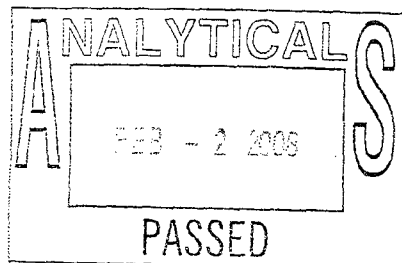
Dibromofluoromethane	116
Fluorobenzene	112
Toluene-d8	81.2
Bromofluorobenzene	80.6

METHODS: EPA SW-846 8260

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Lab Director


Date



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

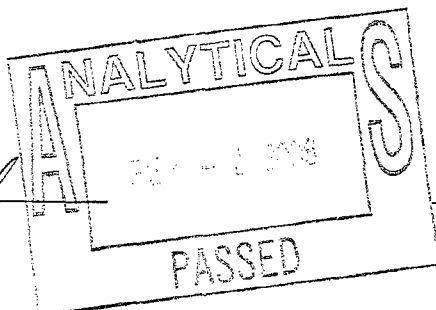
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	Cl* (mg/kg)
		02/03/09	02/03/09	02/03/09
H16803-1	PILE			
H16803-2	PILE			
H16803-3	PILE			
H16803-4	PILE			
H16803-5	PILE			
H16803-6	PILE			
H16803-7	PILE			
H16803-8	PILE			
H16803-9	PILE 645	<10.0	70.4	16
H16803-10	PILE			
Quality Control		487	574	510
True Value QC		500	500	500
% Recovery		97.4	115	102
Relative Percent Difference		4.1	1.2	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

*Analyses performed on 1:4 w:v aqueous extracts.

Lab Director

H16803 TCL (E)



Date

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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN
Lab Number: H16803-9
Sample ID: PILE 645

Analysis Date: 02/03/09
Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

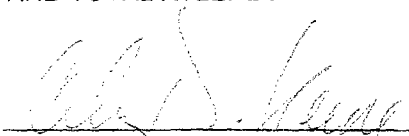
VOLATILES (mg/kg)	Sample Result H16803-9	Method Blank	QC	%Recov.	True Value QC
Benzene	<0.050	<0.050	0.058	117	0.050
Toluene	<0.050	<0.050	0.049	98.5	0.050
Ethylbenzene	0.122	<0.050	0.050	99.8	0.050
m,p-Xylene	<0.100	<0.100	0.100	100	0.100
o-Xylene	0.136	<0.050	0.055	110	0.050

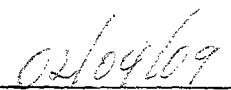
% RECOVERY

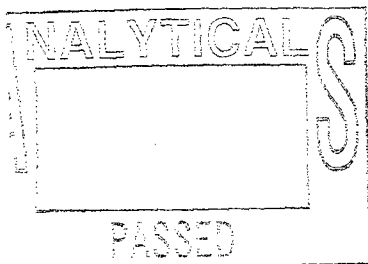
Dibromofluoromethane	104
Fluorobenzene	118
Toluene-d8	83.4
Bromofluorobenzene	76.2

METHODS: EPA SW-846 8260

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Lab Director


Date



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INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

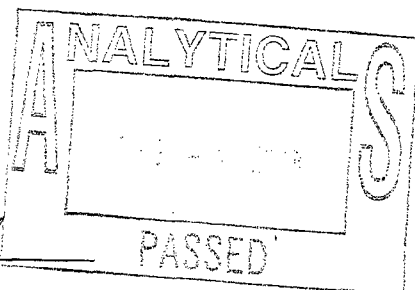
LAB NUMBER SAMPLE ID		GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE		02/03/09	02/03/09	02/03/09
H16803-1	PILE			
H16803-2	PILE			
H16803-3	PILE			
H16803-4	PILE			
H16803-5	PILE			
H16803-6	PILE			
H16803-7	PILE			
H16803-8	PILE			
H16803-9	PILE			
H16803-10	PILE 651	<10.0	63.7	112
Quality Control		487	574	510
True Value QC		500	500	500
% Recovery		97.4	115	102
Relative Percent Difference		4.1	1.2	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

*Analyses performed on 1:4 w/v aqueous extracts.

Lab Director

H16803 TCL 1E1



Date

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INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
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AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN
Lab Number: H16803-10
Sample ID: PILE 651

Analysis Date: 02/03/09
Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

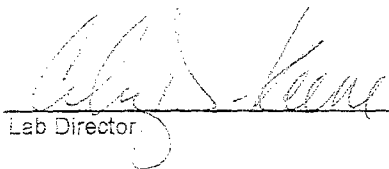
VOLATILES (mg/kg)	Sample Result H16803-10	Method Blank	QC	%Recov.	True Value QC
Benzene	<0.050	<0.050	0.058	117	0.050
Toluene	<0.050	<0.050	0.049	98.5	0.050
Ethylbenzene	0.102	<0.050	0.050	99.8	0.050
m,p-Xylene	<0.100	<0.100	0.100	100	0.100
o-Xylene	0.119	<0.050	0.055	110	0.050

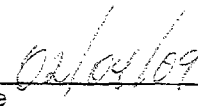
% RECOVERY

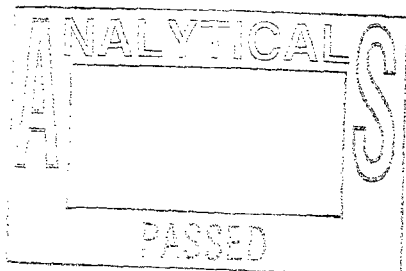
Dibromofluoromethane	105
Fluorobenzene	111
Toluene-d8	86.1
Bromofluorobenzene	80.5

METHODS: EPA SW-846 8260

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Lab Director


Date



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ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

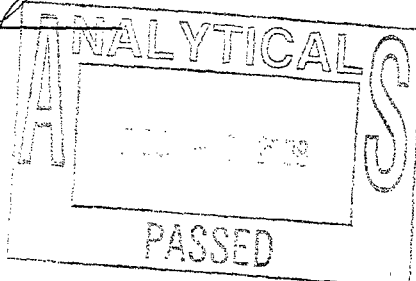
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
		02/04/09	02/04/09	02/03/09
H16803-11	PILE [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
H16803-12	PILE 653	<10.0	<10.0	48
H16803-13	PILE [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
H16803-14	PILE [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Quality Control		492	583	510
True Value QC		500	500	500
% Recovery		98.4	117	102
Relative Percent Difference		1.2	1.8	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB

*Analyses performed on 1:4 w:v aqueous extracts.

Lab Director

Date



H16803 TCL IEI

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49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 02/03/09
Reporting Date: 02/04/09
Project Number: 7036
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN
Lab Number: H16803-12
Sample ID: PILE 653

Analysis Date: 02/04/09
Sampling Date: 02/02/09
Sample Type: SOIL/SEDIMENT
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

VOLATILES (mg/kg)	Sample Result H16803-12	Method Blank	QC	%Recov.	True Value QC
Benzene	<0.050	<0.050	0.058	117	0.050
Toluene	<0.050	<0.050	0.049	98.5	0.050
Ethylbenzene	0.107	<0.050	0.050	99.8	0.050
m,p-Xylene	<0.100	<0.100	0.100	100	0.100
o-Xylene	0.131	<0.050	0.055	110	0.050

% RECOVERY

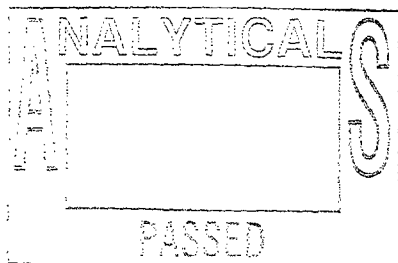
Dibromofluoromethane	107
Fluorobenzene	120
Toluene-d8	92.1
Bromofluorobenzene	84.4

METHODS: EPA SW-846 8260

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.

Lab Director

Date



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Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Monday, March 23, 2009 2:26 PM
To: 'marcella@industrialecosystems.com'
Cc: Powell, Brandon, EMNRD
Subject: Approval to Reuse Remediated Biopile Soils for the Stabilization/Solidification of Drilling Mud and Tank Bottoms and Sludge

RE: Request for Approval to Reuse Remediated Biopile Soils for the Stabilization/Solidification of Drilling Mud and Tank Bottoms and Sludge
JFJ Landfarm, LLC - Industrial Ecosystems Inc.
JFJ Landfarm – Permit # NM01-0010B
NW/4, SE/4, Section 2, Township 29 North, Range 12 West, NMPM,
San Juan County, New Mexico

Dear Ms. Marquez:

The New Mexico Oil Conservation Division (OCD) has reviewed JFJ Landfarm, LLC's (JFJ) request, dated March 10, 2009, and analytical results to reuse the remediated soils in the following biopile for the stabilization and/or solidification of incoming drilling mud and tank bottoms and sludge:

Pile # 39 Basin
Pile # 102 Key
Pile # 103 XTO
Pile # 112 Conoco
Pile # 628 XTO
Pile # 630 Burlington

Based upon the information provided, the above-referenced biopiles are hereby approved for the stabilization and/or solidification of incoming drilling mud and tank bottoms and sludge.

Please be advised that approval of this request does not relieve the JFJ of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve JFJ of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3489 or edwardj.hansen@state.nm.us.

Edward J. Hansen
Hydrologist
Environmental Bureau



Industrial Ecosystems Inc.
Soil Reclamation Center

P.O. Box 2043
Farmington, NM 87499

Phone: (505) 632-1782
Fax: (505) 632-1876

RECEIVED
#49 CR 3150
2009 MAR 16 PM 1:23
Attec NM 87410

March 10, 2009

Edward Hansen
Environmental Bureau
NM Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RE: Use of reclaimed soil

Dear Brad:

Recent analytical results show that the following biopiles(s) have reached acceptable levels as required by our NMOCD permit.

<u>Pile #</u>	
# 39	Basin
# 102	Key
# 103	XTO
# 112	Conoco
# 628	XTO
# 630	Burlington

We are seeking your approval to recycle this soil by using it to mix/solidify incoming liquid waste.

Respectfully Submitted,

Marcella Marquez
Administrative Officer

Enclosure(s) – Analytical Reports

Hall Environmental Analysis Laboratory, Inc.

Date: 03-Jan-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0612260
Project: JFJ Land Farm
Lab ID: 0612260-15

Client Sample ID: Basin Pile #39
Collection Date: 12/21/2006 10:55:00 AM
Date Received: 12/26/2006
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	39	10		mg/Kg	1	12/28/2006 5:59:17 AM
Surr: DNOP	79.0	61.7-135		%REC	1	12/28/2006 5:59:17 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: LMM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2006 4:20:02 AM
Surr: BFB	122	84-138		%REC	1	12/28/2006 4:20:02 AM
EPA METHOD 8021B: VOLATILES						Analyst: LMM
Benzene	ND	0.050		mg/Kg	1	12/28/2006 4:20:02 AM
Toluene	ND	0.050		mg/Kg	1	12/28/2006 4:20:02 AM
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2006 4:20:02 AM
Xylenes, Total	ND	0.15		mg/Kg	1	12/28/2006 4:20:02 AM
Surr: 4-Bromofluorobenzene	91.9	68.2-109		%REC	1	12/28/2006 4:20:02 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN


Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

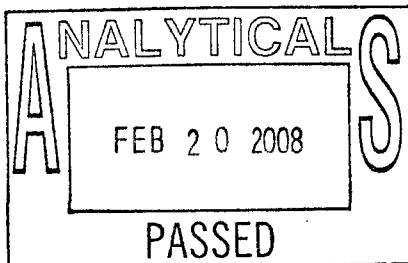
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16948-4	PILE #39	320
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-Cl⁻B

Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist




Date

H16948 IEI

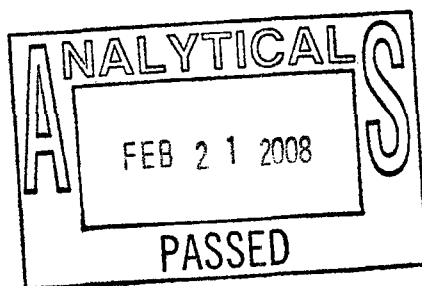
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Result relates only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Hall Environmental Analysis Laboratory, Inc.

Date: 26-Feb-08

CLIENT: Industrial Ecosystems, Inc.**Client Sample ID:** Key #102**Lab Order:** 0802255**Collection Date:** 2/19/2008 9:00:00 AM**Project:** JFJ Land Farm**Date Received:** 2/21/2008**Lab ID:** 0802255-01**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	29	10		mg/Kg	1	2/22/2008 10:04:30 AM
Surr: DNOP	79.8	61.7-135		%REC	1	2/22/2008 10:04:30 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/22/2008 11:48:11 AM
Surr: BFB	101	84-138		%REC	1	2/22/2008 11:48:11 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: SMP
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/22/2008 10:11:12 PM
Benzene	ND	0.050		mg/Kg	1	2/22/2008 10:11:12 PM
Toluene	ND	0.050		mg/Kg	1	2/22/2008 10:11:12 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/22/2008 10:11:12 PM
Xylenes, Total	ND	0.10		mg/Kg	1	2/22/2008 10:11:12 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/22/2008 10:11:12 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/22/2008 10:11:12 PM
Surr: Dibromofluoromethane	88.3	64.4-119		%REC	1	2/22/2008 10:11:12 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



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INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR-3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN


Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

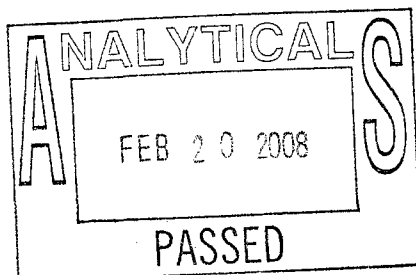
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16948-7	PILE #102	288
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-Cl⁻B

Note: Analyses performed on 1:4 w/v aqueous extracts.


Chemist




Date

H16948 IEI

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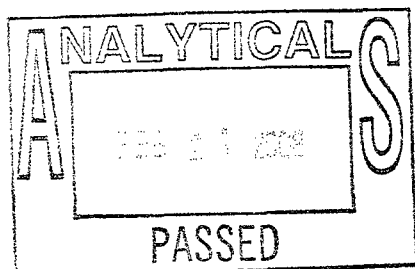
Hall Environmental Analysis Laboratory, Inc.

Date: 26-Feb-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0802255
Project: JFJ Land Farm
Lab ID: 0802255-02

Client Sample ID: XTO #103
Collection Date: 2/19/2008 9:10:00 AM
Date Received: 2/21/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	97	10		mg/Kg	1	2/22/2008 11:11:01 AM
Surr: DNOP	113	61.7-135		%REC	1	2/22/2008 11:11:01 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/22/2008 12:18:49 PM
Surr: BFB	99.0	84-138		%REC	1	2/22/2008 12:18:49 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: SMP
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/22/2008 10:46:28 PM
Benzene	ND	0.050		mg/Kg	1	2/22/2008 10:46:28 PM
Toluene	ND	0.050		mg/Kg	1	2/22/2008 10:46:28 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/22/2008 10:46:28 PM
Xylenes, Total	ND	0.10		mg/Kg	1	2/22/2008 10:46:28 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/22/2008 10:46:28 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/22/2008 10:46:28 PM
Surr: Dibromofluoromethane	86.5	64.4-119		%REC	1	2/22/2008 10:46:28 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

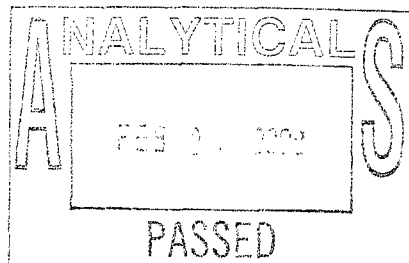
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16948-8	PILE #103	304
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-ClB

Note: Analyses performed on 1:4 w/v aqueous extracts.

Alfred Keene
Chemist



02/24/09
Date

H16948 IEI

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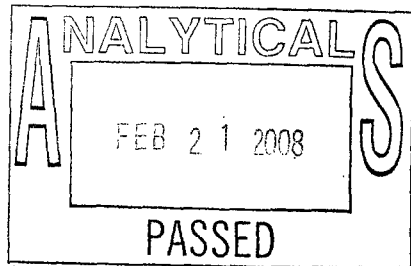
Hall Environmental Analysis Laboratory, Inc.

Date: 26-Feb-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0802255
Project: JFJ Land Farm
Lab ID: 0802255-08

Client Sample ID: Conoco #112
Collection Date: 2/19/2008 10:45:00 AM
Date Received: 2/21/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/22/2008 6:08:14 PM
Surr: DNOP	93.6	61.7-135		%REC	1	2/22/2008 6:08:14 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/22/2008 4:54:26 PM
Surr: BFB	101	84-138		%REC	1	2/22/2008 4:54:26 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: SMP
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/23/2008 3:29:08 AM
Benzene	ND	0.050		mg/Kg	1	2/23/2008 3:29:08 AM
Toluene	ND	0.050		mg/Kg	1	2/23/2008 3:29:08 AM
Ethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 3:29:08 AM
Xylenes, Total	ND	0.10		mg/Kg	1	2/23/2008 3:29:08 AM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 3:29:08 AM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 3:29:08 AM
Surr: Dibromofluoromethane	84.4	64.4-119		%REC	1	2/23/2008 3:29:08 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

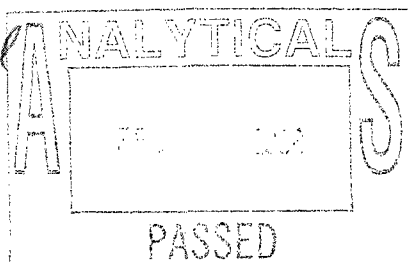
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16948-11	PILE #112	288
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-ClB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Alan S. Keene
Chemist



02/24/09
Date

H16948 IEI

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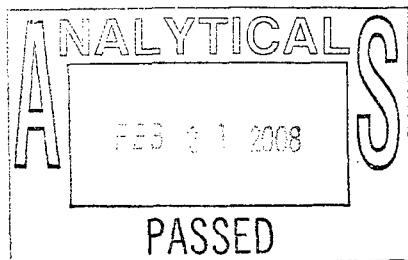
Hall Environmental Analysis Laboratory, Inc.

Date: 26-Feb-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0802255
Project: JFJ Land Farm
Lab ID: 0802255-10

Client Sample ID: Burlington #628
Collection Date: 2/19/2008 11:20:00 AM
Date Received: 2/21/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/22/2008 7:52:15 PM
Surr: DNOP	95.4	61.7-135		%REC	1	2/22/2008 7:52:15 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/22/2008 5:55:15 PM
Surr: BFB	102	84-138		%REC	1	2/22/2008 5:55:15 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: SMP
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/23/2008 4:39:46 AM
Benzene	ND	0.050		mg/Kg	1	2/23/2008 4:39:46 AM
Toluene	ND	0.050		mg/Kg	1	2/23/2008 4:39:46 AM
Ethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 4:39:46 AM
Xylenes, Total	ND	0.10		mg/Kg	1	2/23/2008 4:39:46 AM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 4:39:46 AM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 4:39:46 AM
Surr: Dibromofluoromethane	83.5	64.4-119		%REC	1	2/23/2008 4:39:46 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

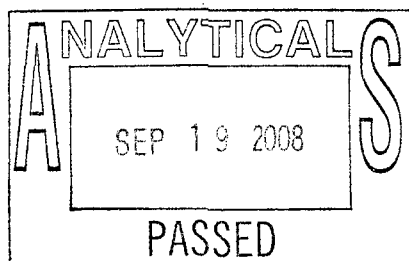
Hall Environmental Analysis Laboratory, Inc.

Date: 01-Oct-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0809404
Project: JFJ Land Farm
Lab ID: 0809404-07

Client Sample ID: XTO#628
Collection Date: 9/16/2008 1:45:00 PM
Date Received: 9/19/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	760	3.0		mg/Kg	10	9/26/2008 5:27:37 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

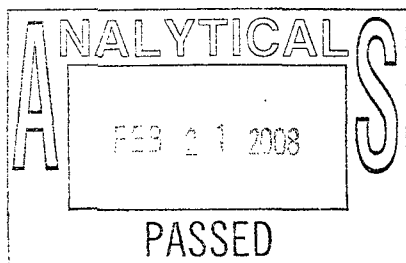
Hall Environmental Analysis Laboratory, Inc.

Date: 26-Feb-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0802255
Project: JFJ Land Farm
Lab ID: 0802255-13

Client Sample ID: Burlington #630
Collection Date: 2/19/2008 12:10:00 PM
Date Received: 2/21/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	11	10		mg/Kg	1	2/22/2008 9:36:23 PM
Surr: DNOP	104	61.7-135		%REC	1	2/22/2008 9:36:23 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/22/2008 8:27:36 PM
Surr: BFB	102	84-138		%REC	1	2/22/2008 8:27:36 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: SMP
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/23/2008 6:25:46 AM
Benzene	ND	0.050		mg/Kg	1	2/23/2008 6:25:46 AM
Toluene	ND	0.050		mg/Kg	1	2/23/2008 6:25:46 AM
Ethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 6:25:46 AM
Xylenes, Total	ND	0.10		mg/Kg	1	2/23/2008 6:25:46 AM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 6:25:46 AM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/23/2008 6:25:46 AM
Surr: Dibromofluoromethane	87.5	64.4-119		%REC	1	2/23/2008 6:25:46 AM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16948-21	PILE #630	80
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

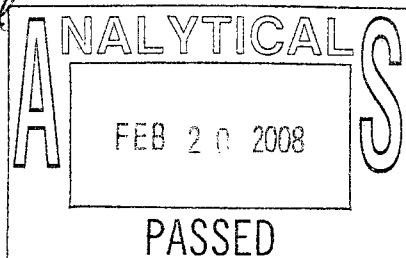
METHOD: Standard Methods

4500-Cl⁻B

Note: Analyses performed on 1:4 w:v aqueous extracts.

Philip D. Keene
Chemist

02/24/09
Date



H16948 IEI

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New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



March 3, 2009

Marcella Marquez
JFJ Landfarm, L.L.C.
Industrial Ecosystems Inc.
Soil Reclamation Center
P.O. Box 2043
Farmington, New Mexico 87499

**RE: Request for Approval to Reuse Remediated Biopile Soils for the
Stabilization/Solidification of Drilling Mud and Tank Bottoms and Sludge
JFJ Landfarm, LLC - Industrial Ecosystems Inc.
JFJ Landfarm - Permit # NM01-0010B
NW/4, SE/4, Section 2, Township 29 North, Range 12 West, NMPM,
San Juan County, New Mexico**

Dear Ms. Marquez:

The New Mexico Oil Conservation Division (OCD) has reviewed JFJ Landfarm, LLC's (JFJ) your request, dated February 26, 2009, and analytical results to reuse the remediated soils in the following biopile for the stabilization and/or solidification of incoming drilling mud and tank bottoms and sludge:

*Pile # 105B Graves
Pile # 4 Elmridge
Pile # 17 Burlington
Pile # 46 Basin
Pile #54 Basin
Pile # 65 Duke
Pile # 212 Basin
Pile # 503 Williams
Pile # 516 Burlington
Pile # 557 Dugan
Pile # 571 Burlington
Pile # 575 Basin
Pile # 612 Burlington
Pile # 627 XTO
Pile # 631 Burlington
Pile # 656 Conoco*

*Pile # 110 Key Energy
Pile # 12 Basin
Pile # 26 Conoco
Pile # 48 Williams
Pile # 60 Red Willow
Pile # 67 Basin
Pile # 334 Basin
Pile # 504 Community
Pile # 518 Burlington
Pile # 559 Basin
Pile # 574 Basin
Pile # 610 Burlington
Pile # 625 Burlington
Pile # 655 Community
Pile # 634 Burlington*

Oil Conservation Division * 1220 South St. Francis Drive

* Santa Fe, New Mexico 87505

* Phone: (505) 476-3440 * Fax (505) 476-3462* <http://www.emnrd.state.nm.us>

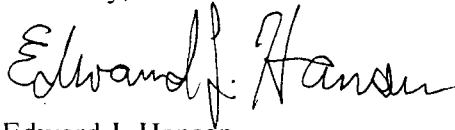


Based upon the information provided, the above-referenced biopile is hereby approved for the stabilization and/or solidification of incoming drilling mud and tank bottoms and sludge.

Please be advised that approval of this request does not relieve the JFJ of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve JFJ of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3489 or edwardj.hansen@state.nm.us.

Sincerely,

A handwritten signature in cursive script that reads "Edward J. Hansen". The signature is written in dark ink and is positioned above the printed name.

Edward J. Hansen
Hydrologist
Environmental Bureau

EJH:ejh

cc: OCD District III Office, Aztec



Industrial Ecosystems Inc.
Soil Reclamation Center

P.O. Box 2043
Farmington, NM 87499

Phone: (505) 632-1782
Fax: (505) 632-1876

2009 MAR 2 PM 1:28
#28 CR 3150
Aztec, NM 87410

February 26, 2009

Brad A. Jones
Environmental Bureau
NM Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RE: Use of reclaimed soil

Dear Brad:

Recent analytical results show that the following biopiles(s) have reached acceptable levels as required by our NMOCD permit.

<u>Pile #</u>	<u>Pile #</u>
# 105B Graves ✓	# 110 Key Energy ✓
# 4 Elmridge ✓	# 12 Basin ✓
# 17 Burlington ✓	# 26 Conoco ✓
# 46 Basin ✓	# 48 Williams ✓
# 54 Basin ✓	# 60 Red Willow ✓
# 65 Duke ✓	# 67 Basin ✓
# 212 Basin ✓	# 334 Basin ✓
# 503 Williams ✓	# 504 Community ✓
# 516 Burlington ✓	# 518 Burlington ✓
# 557 Dugan ✓	# 559 Basin ✓
# 571 Burlington ✓	# 574 Basin ✓
# 575 Basin ✓	# 610 Burlington ✓
# 612 Burlington ✓	# 625 Burlington ✓
# 627 XTO ✓	# 655 Community ✓
# 631 Burlington ✓	# 634 Burlington ✓
# 656 Conoco	

We are seeking your approval to recycle this soil by using it to mix/solidify incoming liquid waste.

Respectfully Submitted,

Marcella Marquez
Administrative Officer

Enclosure(s) – Analytical Reports

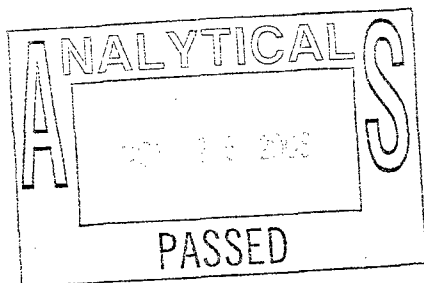
Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0811466
Project: JFJ Land Farm
Lab ID: 0811466-25

Client Sample ID: Graves #105-B
Collection Date: 11/24/2008 3:50:00 PM
Date Received: 11/26/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/2/2008
Surr: DNOP	85.6	61.7-135		%REC	1	12/2/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/4/2008 2:17:46 AM
Surr: BFB	89.8	58.8-123		%REC	1	12/4/2008 2:17:46 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

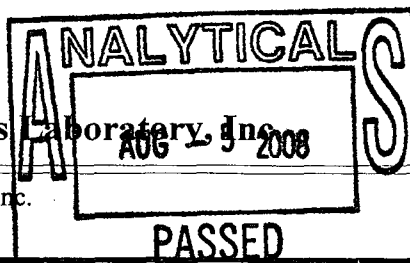
Page 25 of 25

Hall Environmental Analysis Laboratory, Inc.

Date: 05-Aug-08

CLIENT: Industrial Ecosystems, Inc.
Project: JFJ Land Farm

Lab Order: 0807324



Lab ID: 0807324-01 Collection Date: 7/22/2008 1:45:00 PM

Client Sample ID: **Graves #10** Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	210	3.0		mg/Kg	10	7/30/2008 10:39:05 PM

Lab ID: 0807324-02 Collection Date: 7/22/2008 2:05:00 PM

Client Sample ID: **Basin #10** Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	710	3.0		mg/Kg	10	7/30/2008 10:56:30 PM

Lab ID: 0807324-03 Collection Date: 7/22/2008 2:20:00 PM

Client Sample ID: **Red Cedar #10** Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	600	3.0		mg/Kg	10	7/30/2008 11:13:54 PM

Lab ID: 0807324-04 Collection Date: 7/22/2008 2:45:00 PM

Client Sample ID: **Community pit #58** Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	590	3.0		mg/Kg	10	7/30/2008 11:31:18 PM

Lab ID: 0807324-05 Collection Date: 7/22/2008 2:53:00 PM

Client Sample ID: **Burlington #59** Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	150	3.0		mg/Kg	10	7/30/2008 11:48:43 PM

Lab ID: 0807324-06 Collection Date: 7/22/2008

Client Sample ID: Graves #105B Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	340	3.0		mg/Kg	10	7/31/2008 12:06:07 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 09-Feb-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0701333
Project: JFJ Land Farm
Lab ID: 0701333-14

Client Sample ID: Graves 105- B
Collection Date: 1/25/2007 11:42:00 AM
Date Received: 1/29/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	240	10		mg/Kg	1	2/7/2007 6:09:49 AM
Surr: DNOP	106	61.7-135		%REC	1	2/7/2007 6:09:49 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: LMM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/30/2007 9:01:10 PM
Surr: BFB	241	84-138	S	%REC	1	1/30/2007 9:01:10 PM
EPA METHOD 8021B: VOLATILES						Analyst: LMM
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	1/30/2007 9:01:10 PM
Benzene	ND	0.050		mg/Kg	1	1/30/2007 9:01:10 PM
Toluene	ND	0.050		mg/Kg	1	1/30/2007 9:01:10 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/30/2007 9:01:10 PM
Xylenes, Total	ND	0.15		mg/Kg	1	1/30/2007 9:01:10 PM
Surr: 4-Bromofluorobenzene	126	68.2-109	S	%REC	1	1/30/2007 9:01:10 PM

Qualifiers: * Value exceeds Maximum Contaminant Level

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Key Energy #110

Lab Order: 0810611

Collection Date: 10/29/2008 1:00:00 PM

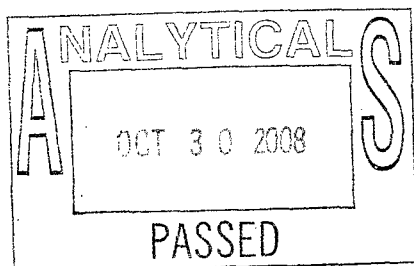
Project: JFJ Land Farm

Date Received: 10/30/2008

Lab ID: 0810611-15

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/3/2008
Surr: DNOP	97.1	61.7-135		%REC	1	11/3/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/1/2008 7:31:32 PM
Surr: BFB	93.5	58.8-123		%REC	1	11/1/2008 7:31:32 PM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 09-Feb-07

CLIENT:	Industrial Ecosystems, Inc.	Client Sample ID:	Key 110
Lab Order:	0701333	Collection Date:	1/25/2007 11:50:00 AM
Project:	JFJ Land Farm	Date Received:	1/29/2007
Lab ID:	0701333-12	Matrix:	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
----------	--------	-----	------	-------	----	---------------

EPA METHOD 8021B: VOLATILES

Analyst: LMM

Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	1/30/2007 8:01:00 PM
Benzene	ND	0.050		mg/Kg	1	1/30/2007 8:01:00 PM
Toluene	ND	0.050		mg/Kg	1	1/30/2007 8:01:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/30/2007 8:01:00 PM
Xylenes, Total	ND	0.15		mg/Kg	1	1/30/2007 8:01:00 PM
Surr: 4-Bromofluorobenzene	102	68.2-109		%REC	1	1/30/2007 8:01:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

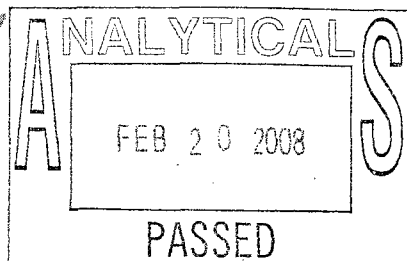
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16948-10	PILE #110	288
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-Cl⁻B

Note: Analyses performed on 1:4 w/v aqueous extracts.

Alan D. Keene
Chemist



02/24/09
Date

H16948 IEI

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Hall Environmental Analysis Laboratory, Inc.

Date: 21-May-07

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Elmridge #4

Lab Order: 0705249

Collection Date: 5/15/2007 10:06:00 AM

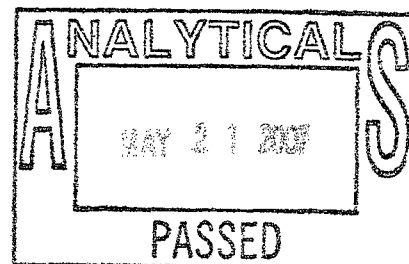
Project: JFJ Land Farm

Date Received: 5/17/2007

Lab ID: 0705249-02

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/18/2007 4:13:54 PM
Surr: DNOP	96.7	61.7-135		%REC	1	5/18/2007 4:13:54 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/18/2007 4:40:00 PM
Surr: BFB	111	84-138		%REC	1	5/18/2007 4:40:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	5/18/2007 4:40:00 PM
Benzene	ND	0.050		mg/Kg	1	5/18/2007 4:40:00 PM
Toluene	ND	0.050		mg/Kg	1	5/18/2007 4:40:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/18/2007 4:40:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/18/2007 4:40:00 PM
Surr: 4-Bromofluorobenzene	86.6	68.2-109		%REC	1	5/18/2007 4:40:00 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

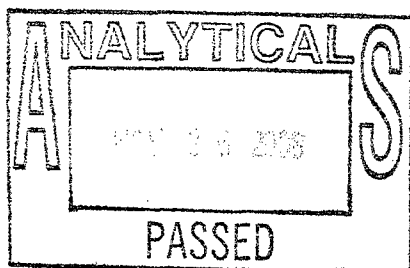
Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0811466
Project: JFJ Land Farm
Lab ID: 0811466-01

Client Sample ID: Elmridge #4
Collection Date: 11/24/2008 8:31:00 AM
Date Received: 11/26/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	260	3.0		mg/Kg	10	12/11/2008 10:44:46 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 1 of 25

Hall Environmental Analysis Laboratory, Inc.

Date: 21-May-07

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Basin #12

Lab Order: 0705249

Collection Date: 5/15/2007 10:40:00 AM

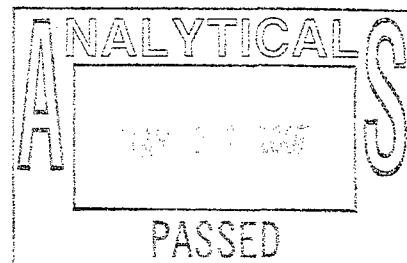
Project: JFJ Land Farm

Date Received: 5/17/2007

Lab ID: 0705249-05

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/18/2007 5:57:07 PM
Surr: DNOP	79.3	61.7-135		%REC	1	5/18/2007 5:57:07 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/18/2007 7:10:34 PM
Surr: BFB	112	84-138		%REC	1	5/18/2007 7:10:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	5/18/2007 7:10:34 PM
Benzene	ND	0.050		mg/Kg	1	5/18/2007 7:10:34 PM
Toluene	ND	0.050		mg/Kg	1	5/18/2007 7:10:34 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/18/2007 7:10:34 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/18/2007 7:10:34 PM
Surr: 4-Bromofluorobenzene	87.0	68.2-109		%REC	1	5/18/2007 7:10:34 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Basin #12

Lab Order: 0811466

Collection Date: 11/24/2008 8:50:00 AM

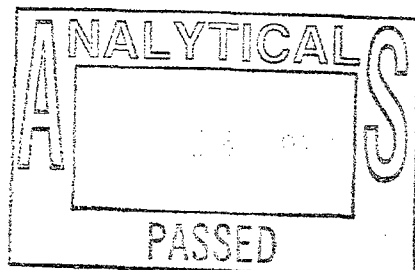
Project: JFJ Land Farm

Date Received: 11/26/2008

Lab ID: 0811466-02

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	64	0.30		mg/Kg	1	12/10/2008 2:57:04 PM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Page 2 of 25

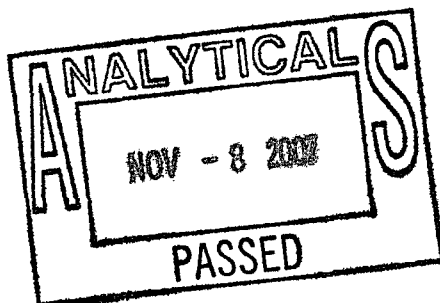
Hall Environmental Analysis Laboratory, Inc.

Date: 13-Nov-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0711113
Project: JFJ Land Farm
Lab ID: 0711113-06

Client Sample ID: Burlington #17
Collection Date: 11/5/2007 10:15:00 AM
Date Received: 11/8/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	15	10		mg/Kg	1	11/13/2007 3:08:38 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/13/2007 3:08:38 AM
Surr: DNOP	110	61.7-135		%REC	1	11/13/2007 3:08:38 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/12/2007 4:14:32 PM
Surr: BFB	108	84-138		%REC	1	11/12/2007 4:14:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	11/12/2007 4:14:32 PM
Benzene	ND	0.050		mg/Kg	1	11/12/2007 4:14:32 PM
Toluene	ND	0.050		mg/Kg	1	11/12/2007 4:14:32 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/12/2007 4:14:32 PM
Xylenes, Total	ND	0.10		mg/Kg	1	11/12/2007 4:14:32 PM
Surr: 4-Bromofluorobenzene	100	68.2-109		%REC	1	11/12/2007 4:14:32 PM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN


Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

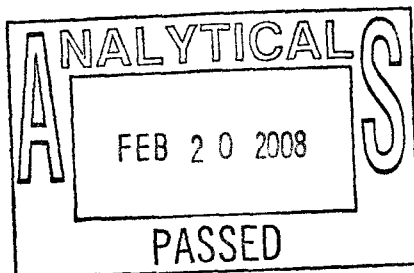
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16948-3	PILE #17	336
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-ClB

Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist




Date

H16948 IEI

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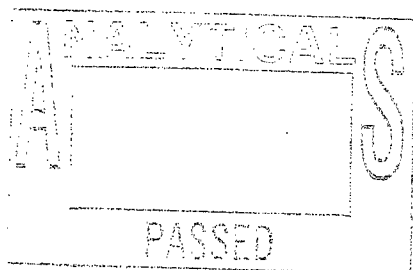
Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0811466
Project: JFJ Land Farm
Lab ID: 0811466-13

Client Sample ID: Conco #26
Collection Date: 11/24/2008 12:30:00 PM
Date Received: 11/26/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/2/2008
Surr: DNOP	83.5	61.7-135		%REC	1	12/2/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/3/2008 1:37:54 PM
Surr: BFB	92.3	58.8-123		%REC	1	12/3/2008 1:37:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	0.050		mg/Kg	1	12/3/2008 1:37:54 PM
Toluene	ND	0.050		mg/Kg	1	12/3/2008 1:37:54 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/3/2008 1:37:54 PM
Xylenes, Total	ND	0.15		mg/Kg	1	12/3/2008 1:37:54 PM
Surr: 4-Bromofluorobenzene	103	66.8-139		%REC	1	12/3/2008 1:37:54 PM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 01-Oct-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0809404
Project: JFJ Land Farm
Lab ID: 0809404-24

Client Sample ID: Conco #26
Collection Date: 9/16/2008 11:35:00 AM
Date Received: 9/19/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	310	100		mg/Kg	10	9/23/2008
Surr: DNOP	0	61.7-135	S	%REC	10	9/23/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/25/2008 12:25:27 AM
Surr: BFB	83.8	58.8-123		%REC	1	9/25/2008 12:25:27 AM
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	170	3.0		mg/Kg	10	9/29/2008 3:12:56 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

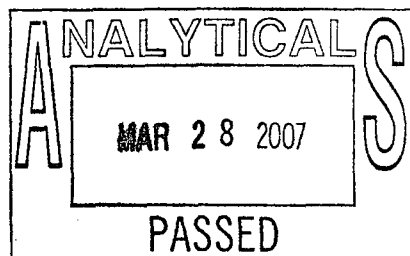
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Mar-07

CLIENT: Industrial Ecosystems, Inc.**Client Sample ID:** Basin 46**Lab Order:** 0703336**Collection Date:** 3/21/2007 11:30:00 AM**Project:** JFJ Land Farm**Date Received:** 3/22/2007**Lab ID:** 0703336-08**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/27/2007 1:04:42 AM
Motor Oil Range Organics (MRO)	55	50		mg/Kg	1	3/27/2007 1:04:42 AM
Surr: DNOP	88.8	61.7-135		%REC	1	3/27/2007 1:04:42 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/26/2007 3:14:25 PM
Surr: BFB	110	84-138		%REC	1	3/26/2007 3:14:25 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	3/26/2007 3:14:25 PM
Benzene	ND	0.050		mg/Kg	1	3/26/2007 3:14:25 PM
Toluene	ND	0.050		mg/Kg	1	3/26/2007 3:14:25 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/26/2007 3:14:25 PM
Xylenes, Total	ND	0.10		mg/Kg	1	3/26/2007 3:14:25 PM
Surr: 4-Bromofluorobenzene	89.9	68.2-109		%REC	1	3/26/2007 3:14:25 PM



Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

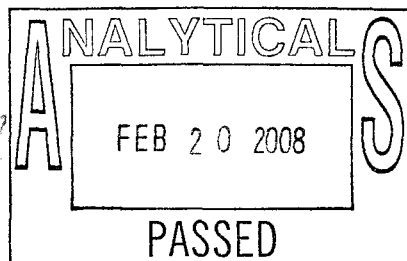
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16948-5	PILE #46	320
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-Cl⁻B

Note: Analyses performed on 1:4 w/v aqueous extracts.

Cheryl S. Keene
Chemist



02/24/09
Date

H16948 IEI

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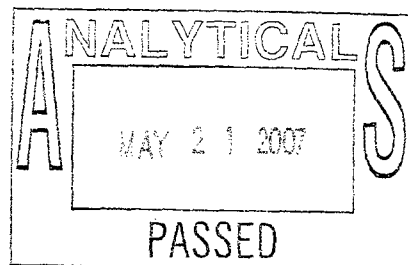
Hall Environmental Analysis Laboratory, Inc.

Date: 21-May-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0705249
Project: JFJ Land Farm
Lab ID: 0705249-08

Client Sample ID: Williams #48
Collection Date: 5/15/2007 11:32:00 AM
Date Received: 5/17/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/18/2007 7:41:06 PM
Surr: DNOP	87.7	61.7-135		%REC	1	5/18/2007 7:41:06 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/18/2007 9:40:38 PM
Surr: BFB	110	84-138		%REC	1	5/18/2007 9:40:38 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	5/18/2007 9:40:38 PM
Benzene	ND	0.050		mg/Kg	1	5/18/2007 9:40:38 PM
Toluene	ND	0.050		mg/Kg	1	5/18/2007 9:40:38 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/18/2007 9:40:38 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/18/2007 9:40:38 PM
Surr: 4-Bromofluorobenzene	85.9	68.2-109		%REC	1	5/18/2007 9:40:38 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Williams #48

Lab Order: 0811466

Collection Date: 11/24/2008 9:15:00 AM

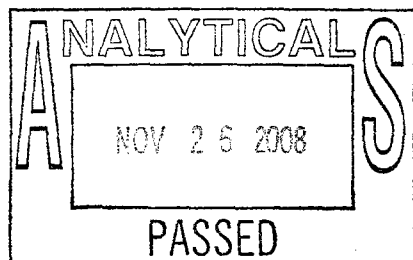
Project: JFJ Land Farm

Date Received: 11/26/2008

Lab ID: 0811466-03

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	93	0.30		mg/Kg	1	12/10/2008 3:14:28 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 3 of 25

Hall Environmental Analysis Laboratory, Inc.

Date: 30-Apr-07

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Basin #54

Lab Order: 0704405

Collection Date: 4/25/2007 10:10:00 AM

Project: JFJ Land Farm

Date Received: 4/26/2007

Lab ID: 0704405-09

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	75	10		mg/Kg	1	4/28/2007 7:20:53 PM
Surr: DNOP	105	61.7-135		%REC	1	4/28/2007 7:20:53 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/27/2007 4:03:39 PM
Surr: BFB	113	84-138		%REC	1	4/27/2007 4:03:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	4/27/2007 4:03:39 PM
Benzene	ND	0.050		mg/Kg	1	4/27/2007 4:03:39 PM
Toluene	ND	0.050		mg/Kg	1	4/27/2007 4:03:39 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/27/2007 4:03:39 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/27/2007 4:03:39 PM
Surr: 4-Bromofluorobenzene	90.0	68.2-109		%REC	1	4/27/2007 4:03:39 PM

Qualifiers: * Value exceeds Maximum Contaminant Level

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

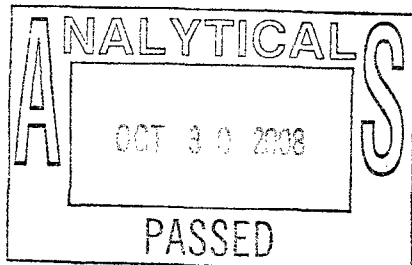
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.**Client Sample ID:** Basin #54**Lab Order:** 0810611**Collection Date:** 10/29/2008 9:30:00 AM**Project:** JFJ Land Farm**Date Received:** 10/30/2008**Lab ID:** 0810611-05**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	440	3.0		mg/Kg	10	11/10/2008 11:42:08 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

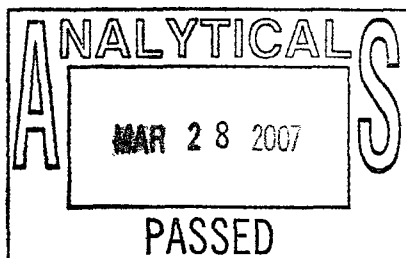
Page 5 of 24

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Mar-07

CLIENT: Industrial Ecosystems, Inc.**Client Sample ID:** Red willow 60**Lab Order:** 0703336**Collection Date:** 3/21/2007 10:20:00 AM**Project:** JFJ Land Farm**Date Received:** 3/22/2007**Lab ID:** 0703336-05**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	11	10		mg/Kg	1	3/26/2007 9:05:54 PM
Surr: DNOP	96.0	61.7-135		%REC	1	3/26/2007 9:05:54 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/26/2007 1:44:15 PM
Surr: BFB	112	84-138		%REC	1	3/26/2007 1:44:15 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	3/26/2007 1:44:15 PM
Benzene	ND	0.050		mg/Kg	1	3/26/2007 1:44:15 PM
Toluene	ND	0.050		mg/Kg	1	3/26/2007 1:44:15 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/26/2007 1:44:15 PM
Xylenes, Total	ND	0.10		mg/Kg	1	3/26/2007 1:44:15 PM
Surr: 4-Bromofluorobenzene	91.4	68.2-109		%REC	1	3/26/2007 1:44:15 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

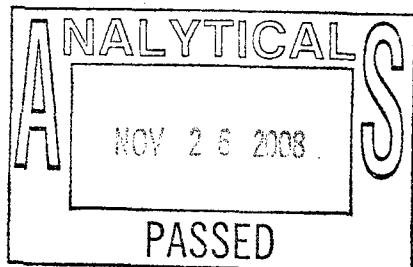
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.**Client Sample ID:** Red Willow #60**Lab Order:** 0811466**Collection Date:** 11/24/2008 9:30:00 AM**Project:** JFJ Land Farm**Date Received:** 11/26/2008**Lab ID:** 0811466-04**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	140	3.0		mg/Kg	10	12/11/2008 11:02:10 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 4 of 25

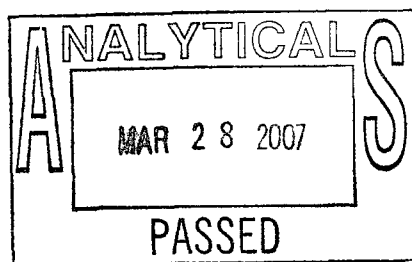
Hall Environmental Analysis Laboratory, Inc.

Date: 28-Mar-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0703336
Project: JFJ Land Farm
Lab ID: 0703336-06

Client Sample ID: Duke 65
Collection Date: 3/21/2007 10:42:00 AM
Date Received: 3/22/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	14	10		mg/Kg	1	3/26/2007 11:56:28 PM
Motor Oil Range Organics (MRO)	56	50		mg/Kg	1	3/26/2007 11:56:28 PM
Surr: DNOP	95.1	61.7-135		%REC	1	3/26/2007 11:56:28 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/26/2007 2:14:20 PM
Surr: BFB	109	84-138		%REC	1	3/26/2007 2:14:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	3/26/2007 2:14:20 PM
Benzene	ND	0.050		mg/Kg	1	3/26/2007 2:14:20 PM
Toluene	ND	0.050		mg/Kg	1	3/26/2007 2:14:20 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/26/2007 2:14:20 PM
Xylenes, Total	ND	0.10		mg/Kg	1	3/26/2007 2:14:20 PM
Surr: 4-Bromofluorobenzene	88.4	68.2-109		%REC	1	3/26/2007 2:14:20 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

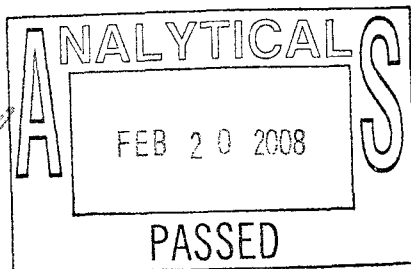
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16948-6	PILE #65	192
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-ClB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist



Date

H16948 IEI

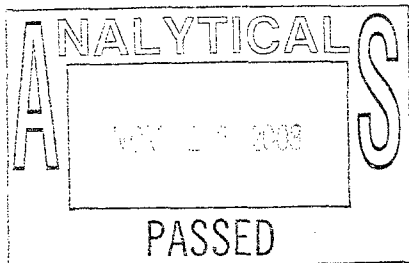
Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0811466
Project: JFJ Land Farm
Lab ID: 0811466-16

Client Sample ID: Basin #67
Collection Date: 11/24/2008 1:25:00 PM
Date Received: 11/26/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/2/2008
Surr: DNOP	85.6	61.7-135		%REC	1	12/2/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/3/2008 3:09:24 PM
Surr: BFB	92.9	58.8-123		%REC	1	12/3/2008 3:09:24 PM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	0.050		mg/Kg	1	12/3/2008 3:09:24 PM
Toluene	ND	0.050		mg/Kg	1	12/3/2008 3:09:24 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/3/2008 3:09:24 PM
Xylenes, Total	ND	0.15		mg/Kg	1	12/3/2008 3:09:24 PM
Surr: 4-Bromofluorobenzene	102	66.8-139		%REC	1	12/3/2008 3:09:24 PM
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	16	0.30		mg/Kg	1	12/10/2008 7:18:13 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

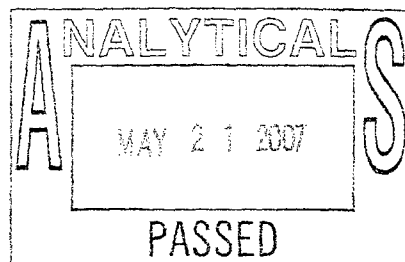
Hall Environmental Analysis Laboratory, Inc.

Date: 21-May-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0705249
Project: JFJ Land Farm
Lab ID: 0705249-10

Client Sample ID: Basin #212
Collection Date: 5/15/2007 12:00:00 PM
Date Received: 5/17/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/18/2007 9:59:50 PM
Surr: DNOP	87.3	61.7-135		%REC	1	5/18/2007 9:59:50 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/18/2007 10:40:51 PM
Surr: BFB	111	84-138		%REC	1	5/18/2007 10:40:51 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	5/18/2007 10:40:51 PM
Benzene	ND	0.050		mg/Kg	1	5/18/2007 10:40:51 PM
Toluene	ND	0.050		mg/Kg	1	5/18/2007 10:40:51 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/18/2007 10:40:51 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/18/2007 10:40:51 PM
Surr: 4-Bromofluorobenzene	86.3	68.2-109		%REC	1	5/18/2007 10:40:51 PM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Basin #212

Lab Order: 0811466

Collection Date: 11/24/2008 9:45:00 AM

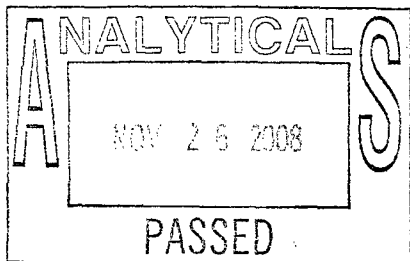
Project: JFJ Land Farm

Date Received: 11/26/2008

Lab ID: 0811466-05

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	430	3.0		mg/Kg	10	12/11/2008 11:54:25 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 5 of 25

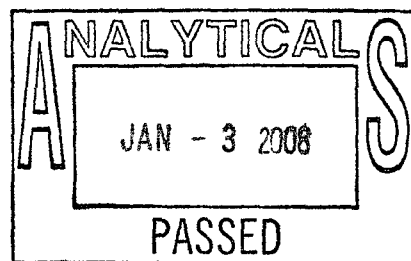
Hall Environmental Analysis Laboratory, Inc.

Date: 03-Jan-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0712353
Project: JFJ Land Farm
Lab ID: 0712353-04

Client Sample ID: Basin #334
Collection Date: 12/26/2007 10:00:00 AM
Date Received: 12/27/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	25	10		mg/Kg	1	1/2/2008 10:12:20 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/2/2008 10:12:20 AM
Surr: DNOP	97.8	61.7-135		%REC	1	1/2/2008 10:12:20 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2007 1:18:01 PM
Surr: BFB	111	84-138		%REC	1	12/28/2007 1:18:01 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	12/28/2007 1:18:01 PM
Benzene	ND	0.050		mg/Kg	1	12/28/2007 1:18:01 PM
Toluene	ND	0.050		mg/Kg	1	12/28/2007 1:18:01 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2007 1:18:01 PM
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2007 1:18:01 PM
Surr: 4-Bromofluorobenzene	100	81.4-117		%REC	1	12/28/2007 1:18:01 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



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ANALYTICAL RESULTS FOR
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ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

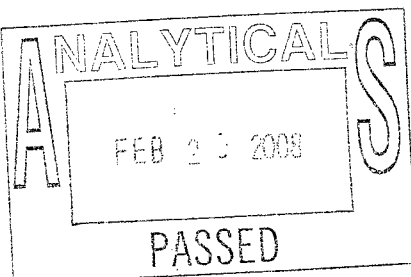
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16948-13	PILE #334	272
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-Cl⁻B

Note: Analyses performed on 1:4 w:v aqueous extracts.

Ally D. Keene
Chemist



02/24/09
Date

H16948 IEI

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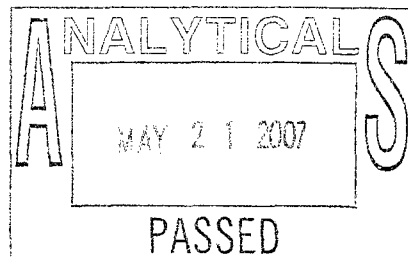
Hall Environmental Analysis Laboratory, Inc.

Date: 21-May-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0705249
Project: JFJ Land Farm
Lab ID: 0705249-13

Client Sample ID: Williams #503
Collection Date: 5/15/2007 12:45:00 PM
Date Received: 5/17/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/20/2007 1:29:49 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/20/2007 1:29:49 PM
Surr: DNOP	68.1	61.7-135		%REC	1	5/20/2007 1:29:49 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/19/2007 12:10:47 AM
Surr: BFB	112	84-138		%REC	1	5/19/2007 12:10:47 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	5/19/2007 12:10:47 AM
Benzene	ND	0.050		mg/Kg	1	5/19/2007 12:10:47 AM
Toluene	ND	0.050		mg/Kg	1	5/19/2007 12:10:47 AM
Ethylbenzene	ND	0.050		mg/Kg	1	5/19/2007 12:10:47 AM
Xylenes, Total	ND	0.10		mg/Kg	1	5/19/2007 12:10:47 AM
Surr: 4-Bromofluorobenzene	87.4	68.2-109		%REC	1	5/19/2007 12:10:47 AM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit



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AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16948-15	PILE #503	144
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-CIB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date _____

H16948 IEI

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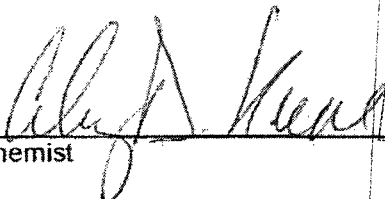
ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

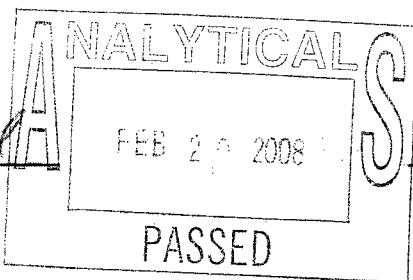
Receiving Date: 02/23/09
Reporting Date: 02/25/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

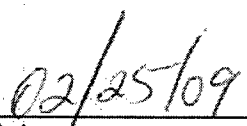
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (C ₁₀ -C ₂₈) (mg/kg)
		02/24/09	02/24/09
H16948-26	PILE # 504	<10.0	<10.0
Quality Control		570	583
True Value QC		500	500
% Recovery		114	117
Relative Percent Difference		5.3	6.0

METHOD: SW-846 8015 M


Chemist




Date

H16948-26 TPH8015 IEI

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Result of analysis shall not be considered a warranty of Cardinal Laboratories.

Hall Environmental Analysis Laboratory, Inc.

Date: 12-Oct-06

CLIENT:	Industrial Ecosystems, Inc.	Client Sample ID:	Pile 504 XTO/CDX
Lab Order:	0610098	Collection Date:	10/9/2006 9:30:00 AM
Project:	JFJ Land Farm	Date Received:	10/10/2006
Lab ID:	0610098-04	Matrix:	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
----------	--------	-----	------	-------	----	---------------

EPA METHOD 8021B: VOLATILES

Analyst: NSB

Benzene	ND	0.10		mg/Kg	2	10/11/2006 10:24:50 PM
Toluene	ND	0.10		mg/Kg	2	10/11/2006 10:24:50 PM
Ethylbenzene	ND	0.10		mg/Kg	2	10/11/2006 10:24:50 PM
Xylenes, Total	ND	0.30		mg/Kg	2	10/11/2006 10:24:50 PM
Surr: 4-Bromofluorobenzene	95.0	76.8-115		%REC	2	10/11/2006 10:24:50 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

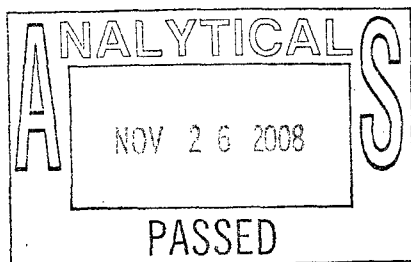
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.**Client Sample ID:** Community #504**Lab Order:** 0811466**Collection Date:** 11/24/2008 10:06:00 AM**Project:** JFJ Land Farm**Date Received:** 11/26/2008**Lab ID:** 0811466-06**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	140	3.0		mg/Kg	10	12/12/2008 12:11:50 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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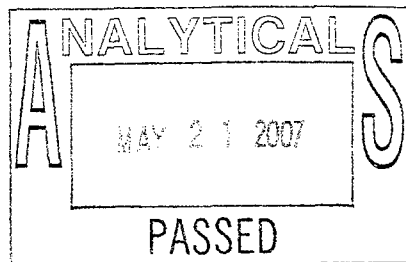
Hall Environmental Analysis Laboratory, Inc.

Date: 21-May-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0705249
Project: JFJ Land Farm
Lab ID: 0705249-14

Client Sample ID: Burlington #516
Collection Date: 5/15/2007 1:00:00 PM
Date Received: 5/17/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/20/2007 2:04:10 PM
Surr: DNOP	98.1	61.7-135		%REC	1	5/20/2007 2:04:10 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/19/2007 12:40:46 AM
Surr: BFB	111	84-138		%REC	1	5/19/2007 12:40:46 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	5/19/2007 12:40:46 AM
Benzene	ND	0.050		mg/Kg	1	5/19/2007 12:40:46 AM
Toluene	ND	0.050		mg/Kg	1	5/19/2007 12:40:46 AM
Ethylbenzene	ND	0.050		mg/Kg	1	5/19/2007 12:40:46 AM
Xylenes, Total	ND	0.10		mg/Kg	1	5/19/2007 12:40:46 AM
Surr: 4-Bromofluorobenzene	86.5	68.2-109		%REC	1	5/19/2007 12:40:46 AM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

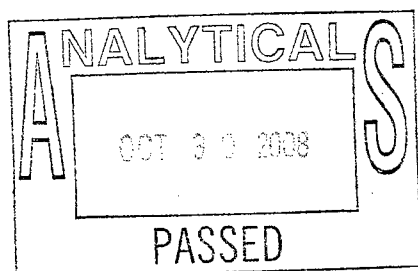
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.**Client Sample ID:** Burlington #516**Lab Order:** 0810611**Collection Date:** 10/29/2008 10:15:00 AM**Project:** JFJ Land Farm**Date Received:** 10/30/2008**Lab ID:** 0810611-08**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	95	0.30		mg/Kg	1	11/7/2008 7:27:29 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

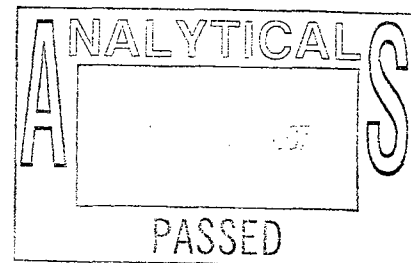
Hall Environmental Analysis Laboratory, Inc.

Date: 22-Feb-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0702228
Project: JFJ Land Farm
Lab ID: 0702228-08

Client Sample ID: Burlington 518
Collection Date: 2/20/2007 9:15:00 AM
Date Received: 2/21/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	23	10		mg/Kg	1	2/21/2007 9:08:53 PM
Surr: DNOP	90.0	61.7-135		%REC	1	2/21/2007 9:08:53 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/22/2007 12:32:09 AM
Surr: BFB	107	84-138		%REC	1	2/22/2007 12:32:09 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	2/22/2007 12:32:09 AM
Benzene	ND	0.050		mg/Kg	1	2/22/2007 12:32:09 AM
Toluene	ND	0.050		mg/Kg	1	2/22/2007 12:32:09 AM
Ethylbenzene	ND	0.050		mg/Kg	1	2/22/2007 12:32:09 AM
Xylenes, Total	ND	0.10		mg/Kg	1	2/22/2007 12:32:09 AM
Surr: 4-Bromofluorobenzene	90.1	68.2-109		%REC	1	2/22/2007 12:32:09 AM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

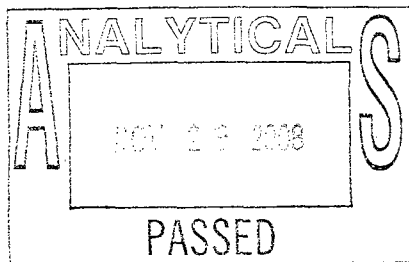
Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0811466
Project: JFJ Land Farm
Lab ID: 0811466-08

Client Sample ID: Burlington #518
Collection Date: 11/24/2008 10:42:00 AM
Date Received: 11/26/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	220	3.0		mg/Kg	10	12/12/2008 12:46:39 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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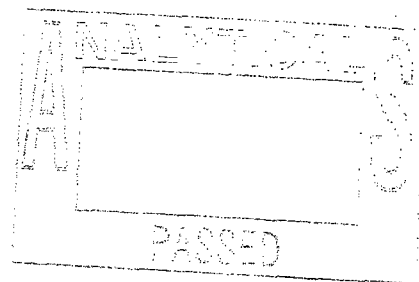
Hall Environmental Analysis Laboratory, Inc.

Date: 22-Feb-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0702228
Project: JFJ Land Farm
Lab ID: 0702228-10

Client Sample ID: Dugan 557
Collection Date: 2/20/2007 9:48:00 AM
Date Received: 2/21/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/21/2007 10:16:46 PM
Surr: DNOP	70.0	61.7-135		%REC	1	2/21/2007 10:16:46 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/22/2007 1:32:12 AM
Surr: BFB	108	84-138		%REC	1	2/22/2007 1:32:12 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	2/22/2007 1:32:12 AM
Benzene	ND	0.050		mg/Kg	1	2/22/2007 1:32:12 AM
Toluene	ND	0.050		mg/Kg	1	2/22/2007 1:32:12 AM
Ethylbenzene	ND	0.050		mg/Kg	1	2/22/2007 1:32:12 AM
Xylenes, Total	ND	0.10		mg/Kg	1	2/22/2007 1:32:12 AM
Surr: 4-Bromofluorobenzene	90.8	68.2-109		%REC	1	2/22/2007 1:32:12 AM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

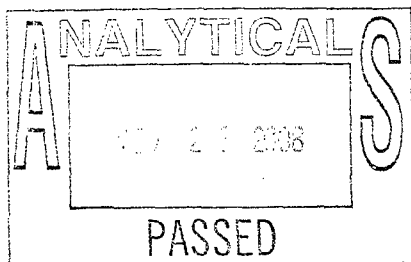
Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0811466
Project: JFJ Land Farm
Lab ID: 0811466-09

Client Sample ID: Dugans #557
Collection Date: 11/24/2008 11:02:00 AM
Date Received: 11/26/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	600	3.0		mg/Kg	10	12/12/2008 1:04:04 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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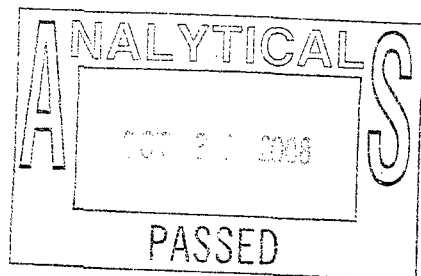
Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0810611
Project: JFJ Land Farm
Lab ID: 0810611-16

Client Sample ID: Basin #559
Collection Date: 10/29/2008 1:20:00 PM
Date Received: 10/30/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/3/2008
Surr: DNOP	101	61.7-135		%REC	1	11/3/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/1/2008 8:01:51 PM
Surr: BFB	95.2	58.8-123		%REC	1	11/1/2008 8:01:51 PM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	0.050		mg/Kg	1	11/4/2008 12:12:40 PM
Toluene	ND	0.050		mg/Kg	1	11/4/2008 12:12:40 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/4/2008 12:12:40 PM
Xylenes, Total	ND	0.15		mg/Kg	1	11/4/2008 12:12:40 PM
Surr: 4-Bromofluorobenzene	117	66.8-139		%REC	1	11/4/2008 12:12:40 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 17-Sep-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Basin #559

Lab Order: 0809036

Collection Date: 9/2/2008 11:35:00 AM

Project: JFJ Land Farm

Date Received: 9/3/2008

Lab ID: 0809036-11

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	340	100		mg/Kg	10	9/6/2008
Surr: DNOP	0	61.7-135	S	%REC	10	9/6/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/13/2008 4:23:29 AM
Surr: BFB	78.6	58.8-123		%REC	1	9/13/2008 4:23:29 AM
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	170	3.0		mg/Kg	10	9/11/2008 10:39:31 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

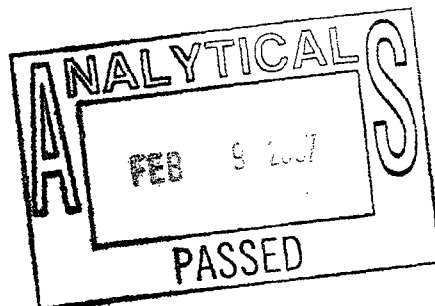
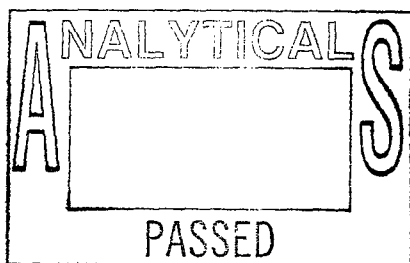
Hall Environmental Analysis Laboratory, Inc.

Date: 09-Feb-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0701333
Project: JFJ Land Farm
Lab ID: 0701333-05

Client Sample ID: Burlington 571
Collection Date: 1/25/2007 1:20:00 PM
Date Received: 1/29/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	33	10		mg/Kg	1	2/6/2007 11:58:36 PM
Surr: DNOP	102	61.7-135		%REC	1	2/6/2007 11:58:36 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: LMM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/30/2007 3:30:22 PM
Surr: BFB	107	84-138		%REC	1	1/30/2007 3:30:22 PM
EPA METHOD 8021B: VOLATILES						Analyst: LMM
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	1/30/2007 3:30:22 PM
Benzene	ND	0.050		mg/Kg	1	1/30/2007 3:30:22 PM
Toluene	ND	0.050		mg/Kg	1	1/30/2007 3:30:22 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/30/2007 3:30:22 PM
Xylenes, Total	ND	0.15		mg/Kg	1	1/30/2007 3:30:22 PM
Surr: 4-Bromofluorobenzene	87.9	68.2-109		%REC	1	1/30/2007 3:30:22 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

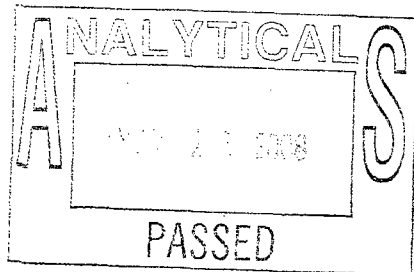
Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0811466
Project: JFJ Land Farm
Lab ID: 0811466-10

Client Sample ID: Burlington #571
Collection Date: 11/24/2008 11:16:00 AM
Date Received: 11/26/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	330	3.0		mg/Kg	10	12/12/2008 1:21:29 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

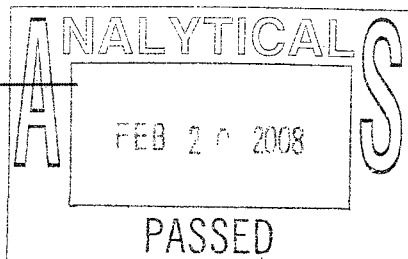
Receiving Date: 02/23/09
Reporting Date: 02/25/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: AB

		DRO (>C ₁₀ -C ₂₈) (mg/kg)
LAB NUMBER	SAMPLE ID	
ANALYSIS DATE:		02/24/09
H16948-24	PILE # 574	<10.0
Quality Control		583
True Value QC		500
% Recovery		117
Relative Percent Difference		6.0

METHOD: SW-846 8015 M


Chemist




Date

H16948-24 8015DRO IEI

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Hall Environmental Analysis Laboratory, Inc.

Date: 01-Oct-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Basin #574

Lab Order: 0809404

Collection Date: 9/16/2008 9:00:00 AM

Project: JFJ Land Farm

Date Received: 9/19/2008

Lab ID: 0809404-16

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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EPA METHOD 8015B: GASOLINE RANGE

Analyst: DAM

Gasoline Range Organics (GRO)

ND

5.0

mg/Kg

1

9/24/2008 6:20:48 PM

Surr: BFB

88.4

58.8-123

%REC

1

9/24/2008 6:20:48 PM

EPA METHOD 300.0: ANIONS

Analyst: SLB

Chloride

170

3.0

mg/Kg

10

9/29/2008 12:53:39 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit



ARDINAL LABORATORIES

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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: ZL

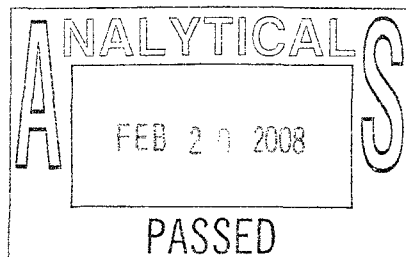
LAB NUMBER	SAMPLE ID	BENZENE		ETHYL TOTAL	
		(mg/kg)	TOLUENE (mg/kg)	BENZENE (mg/kg)	XYLENES (mg/kg)
ANALYSIS DATE		02/23/09	02/23/09	02/23/09	02/23/09
H16948-24	PILE #574	<0.050	<0.050	<0.050	<0.300
Quality Control		0.055	0.055	0.055	0.166
True Value QC		0.050	0.050	0.050	0.150
% Recovery		110	110	110	111
Relative Percent Difference		<1.0	3.4	2.5	2.9

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Chemist


Date



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ARDINAL LABORATORIES

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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

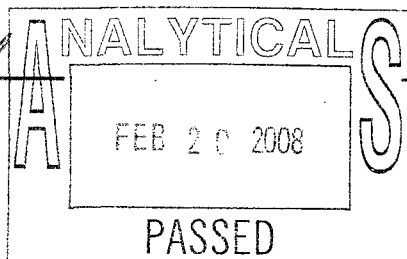
Receiving Date: 02/23/09
Reporting Date: 02/25/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: AB

		DRO ($>C_{10}-C_{28}$) (mg/kg)
LAB NUMBER	SAMPLE ID	
ANALYSIS DATE:		02/24/09
H16948-23	PILE # 575	<10.0
Quality Control		583
True Value QC		500
% Recovery		117
Relative Percent Difference		6.0

METHOD: SW-846 8015 M

Ally D. Kline
Chemist



02/25/09
Date

H16948-23 8015DRO IEI

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Hall Environmental Analysis Laboratory, Inc.

Date: 01-Oct-08

CLIENT: Industrial Ecosystems, Inc.**Client Sample ID:** Basin #575**Lab Order:** 0809404**Collection Date:** 9/16/2008 9:55:00 AM**Project:** JFJ Land Farm**Date Received:** 9/19/2008**Lab ID:** 0809404-19**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
----------	--------	-----	------	-------	----	---------------

EPA METHOD 8015B: GASOLINE RANGE

Analyst: DAM

Gasoline Range Organics (GRO)

ND

5.0

mg/Kg

1

9/24/2008 7:52:03 PM

Surr: BFB

90.2

58.8-123

%REC

1

9/24/2008 7:52:03 PM

EPA METHOD 300.0: ANIONS

Analyst: SLB

Chloride

170

3.0

mg/Kg

10

9/29/2008 1:45:54 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

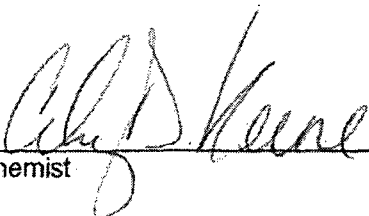
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: ZL

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
------------	-----------	--------------------	--------------------	-----------------------------	-----------------------------

ANALYSIS DATE	02/23/09	02/23/09	02/23/09	02/23/09
H16948-23 PILE #575	<0.050	<0.050	<0.050	<0.300
Quality Control	0.055	0.055	0.055	0.166
True Value QC	0.050	0.050	0.050	0.150
% Recovery	110	110	110	111
Relative Percent Difference	<1.0	3.4	2.5	2.9

METHOD: EPA SW-846 8021B

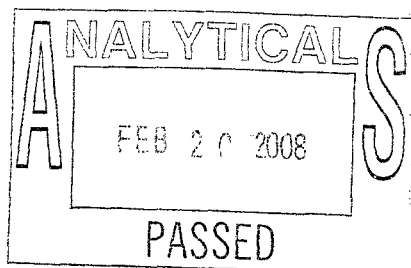
TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.



Chemist



Date



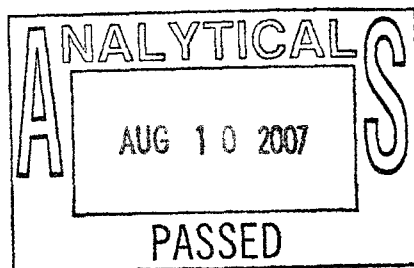
Hall Environmental Analysis Laboratory, Inc.

Date: 10-Aug-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0708103
Project: JFJ Land Farm
Lab ID: 0708103-07

Client Sample ID: Burlington #610
Collection Date: 8/7/2007 10:12:00 AM
Date Received: 8/8/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/9/2007 7:12:07 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/9/2007 7:12:07 PM
Surr: DNOP	96.6	61.7-135		%REC	1	8/9/2007 7:12:07 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: LMM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/9/2007 2:39:59 PM
Surr: BFB	107	84-138		%REC	1	8/9/2007 2:39:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: LMM
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	8/9/2007 2:39:59 PM
Benzene	ND	0.050		mg/Kg	1	8/9/2007 2:39:59 PM
Toluene	ND	0.050		mg/Kg	1	8/9/2007 2:39:59 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/9/2007 2:39:59 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/9/2007 2:39:59 PM
Surr: 4-Bromofluorobenzene	94.5	68.2-109		%REC	1	8/9/2007 2:39:59 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

[illegible]

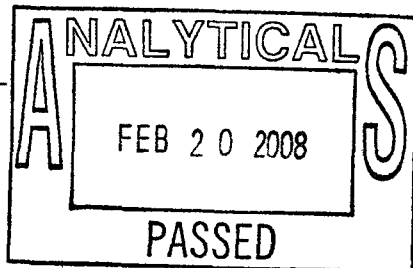
METHOD: Standard Methods

4500-CIB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date: _____



H16948 IEI

Hall Environmental Analysis Laboratory, Inc.

Date: 03-Jan-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Burlington #612

Lab Order: 0712353

Collection Date: 12/26/2007 11:10:00 AM

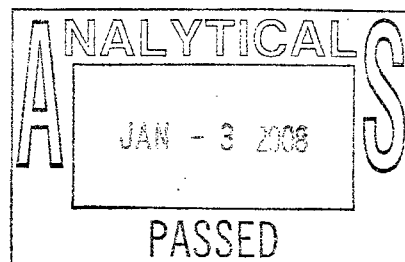
Project: JFJ Land Farm

Date Received: 12/27/2007

Lab ID: 0712353-08

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	22	10		mg/Kg	1	1/2/2008 11:12:08 AM
Surr: DNOP	94.2	61.7-135		%REC	1	1/2/2008 11:12:08 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2007 3:18:25 PM
Surr: BFB	109	84-138		%REC	1	12/28/2007 3:18:25 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	12/28/2007 3:18:25 PM
Benzene	ND	0.050		mg/Kg	1	12/28/2007 3:18:25 PM
Toluene	ND	0.050		mg/Kg	1	12/28/2007 3:18:25 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2007 3:18:25 PM
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2007 3:18:25 PM
Surr: 4-Bromofluorobenzene	98.7	81.4-117		%REC	1	12/28/2007 3:18:25 PM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Burlington #612

Lab Order: 0811466

Collection Date: 11/24/2008 11:36:00 AM

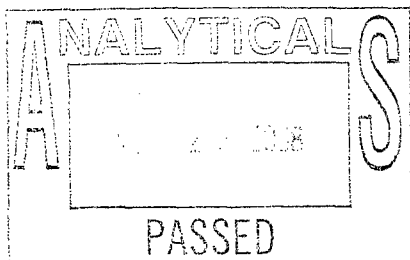
Project: JFJ Land Farm

Date Received: 11/26/2008

Lab ID: 0811466-11

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	62	0.30		mg/Kg	1	12/10/2008 6:25:59 PM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Page 11 of 25

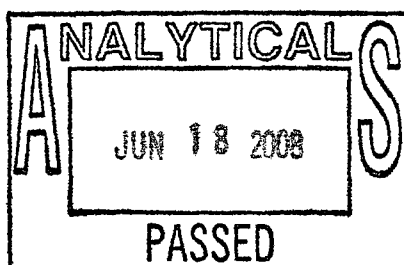
Hall Environmental Analysis Laboratory, Inc.

Date: 30-Jun-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0806270
Project: JFJ Land Farm
Lab ID: 0806270-04

Client Sample ID: Burlington #625
Collection Date: 6/16/2008 10:20:00 AM
Date Received: 6/18/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/20/2008 6:31:51 AM
Surr: DNOP	71.6	61.7-135		%REC	1	6/20/2008 6:31:51 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/24/2008 3:45:10 PM
Surr: BFB	93.0	84-138		%REC	1	6/24/2008 3:45:10 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	6/24/2008 3:45:10 PM
Benzene	ND	0.050		mg/Kg	1	6/24/2008 3:45:10 PM
Toluene	ND	0.050		mg/Kg	1	6/24/2008 3:45:10 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/24/2008 3:45:10 PM
Xylenes, Total	ND	0.10		mg/Kg	1	6/24/2008 3:45:10 PM
Surr: 4-Bromofluorobenzene	91.2	81.4-117		%REC	1	6/24/2008 3:45:10 PM
EPA METHOD 9056A: ANIONS						Analyst: SLB
Chloride	130	1.5		mg/Kg	5	6/25/2008 9:30:17 PM



Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Burlington #625

Lab Order: 0811466

Collection Date: 11/24/2008 11:56:00 AM

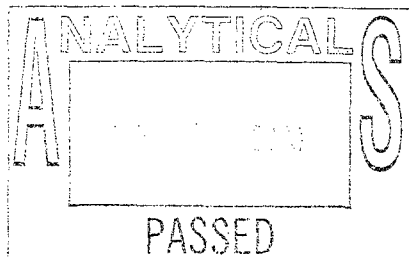
Project: JFJ Land Farm

Date Received: 11/26/2008

Lab ID: 0811466-12

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						
Chloride	34	0.30		mg/Kg	1	Analyst: RAGS 12/10/2008 6:43:24 PM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Page 12 of 25



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ANALYTICAL RESULTS FOR
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49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

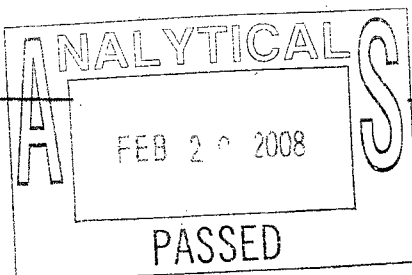
Receiving Date: 02/23/09
Reporting Date: 02/25/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)
ANALYSIS DATE:		02/24/09	02/24/09
H16948-22	PILE # 627	<10.0	<10.0
Quality Control		570	583
True Value QC		500	500
% Recovery		114	117
Relative Percent Difference		5.3	6.0

METHOD: SW-846 8015 M

Ally Skene
Chemist



02/25/09
Date

H16948-22 TPH8015 IEI

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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
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49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN


Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: ZL

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
------------	-----------	--------------------	--------------------	-----------------------------	-----------------------------

ANALYSIS DATE	02/23/09	02/23/09	02/23/09	02/23/09
H16948-22 PILE #627	<0.050	<0.050	<0.050	<0.300
Quality Control	0.055	0.055	0.055	0.166
True Value QC	0.050	0.050	0.050	0.150
% Recovery	110	110	110	111
Relative Percent Difference	<1.0	3.4	2.5	2.9

METHOD: EPA SW-846 8021B

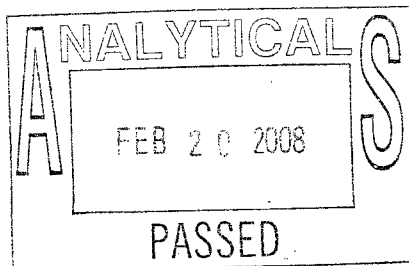
TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.



Chemist



Date



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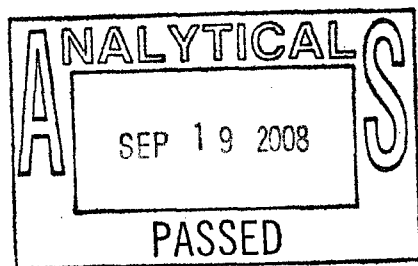
Hall Environmental Analysis Laboratory, Inc.

Date: 01-Oct-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0809404
Project: JFJ Land Farm
Lab ID: 0809404-01

Client Sample ID: XTO #627
Collection Date: 9/16/2008 11:45:00 AM
Date Received: 9/19/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	760	3.0		mg/Kg	10	9/26/2008 11:46:40 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

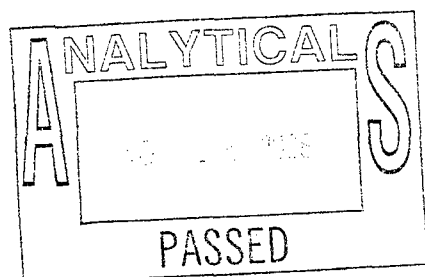
Hall Environmental Analysis Laboratory, Inc.

Date: 12-Dec-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0811466
Project: JFJ Land Farm
Lab ID: 0811466-24

Client Sample ID: Community #655
Collection Date: 11/24/2008 3:40:00 PM
Date Received: 11/26/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/2/2008
Surr: DNOP	86.5	61.7-135		%REC	1	12/2/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/4/2008 1:47:31 AM
Surr: BFB	89.8	58.8-123		%REC	1	12/4/2008 1:47:31 AM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	0.050		mg/Kg	1	12/4/2008 1:47:31 AM
Toluene	ND	0.050		mg/Kg	1	12/4/2008 1:47:31 AM
Ethylbenzene	ND	0.050		mg/Kg	1	12/4/2008 1:47:31 AM
Xylenes, Total	ND	0.10		mg/Kg	1	12/4/2008 1:47:31 AM
Surr: 4-Bromofluorobenzene	100	66.8-139		%REC	1	12/4/2008 1:47:31 AM
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	22	3.0		mg/Kg	10	12/12/2008 3:58:09 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 02/23/09
Reporting Date: 02/25/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: AB

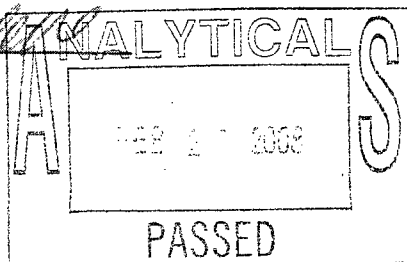
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (C ₁₀ -C ₂₈) (mg/kg)
		02/24/09	02/24/09
H16948-20	PILE # 631	<10.0	<10.0
Quality Control		570	583
True Value QC		500	500
% Recovery		114	117
Relative Percent Difference		5.3	6.0

METHOD: SW-846 8015 M

Chemist

Date

H16948-20 TPH8015 IEI



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ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1782

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: ZL

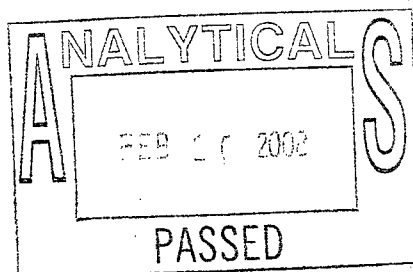
LAB NUMBER	SAMPLE ID				
		BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		02/23/09	02/23/09	02/23/09	02/23/09
H16948-20	PILE #631	<0.050	<0.050	<0.050	<0.300
Quality Control		0.055	0.055	0.055	0.166
True Value QC		0.050	0.050	0.050	0.150
% Recovery		110	110	110	111
Relative Percent Difference		<1.0	3.4	2.5	2.9

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Chemist


Date



PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Hall Environmental Analysis Laboratory, Inc.

Date: 01-Oct-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Burlington #631

Lab Order: 0809404

Collection Date: 9/16/2008 12:35:00 PM

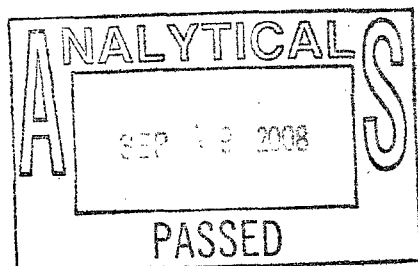
Project: JFJ Land Farm

Date Received: 9/19/2008

Lab ID: 0809404-03

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						
Chloride	670	3.0		mg/Kg	10	Analyst: SLB 9/26/2008 12:21:28 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

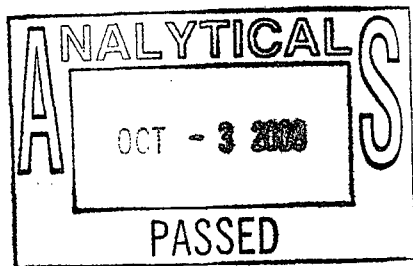
Hall Environmental Analysis Laboratory, Inc.

Date: 16-Oct-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0810074
Project: JFJ Land Farm
Lab ID: 0810074-03

Client Sample ID: Burlington #634
Collection Date: 10/2/2008 11:35:00 AM
Date Received: 10/3/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	69	10		mg/Kg	1	10/7/2008
Surr: DNOP	87.4	61.7-135		%REC	1	10/7/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/15/2008 3:33:17 PM
Surr: BFB	115	58.8-123		%REC	1	10/15/2008 3:33:17 PM
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	97	0.30		mg/Kg	1	10/14/2008 3:56:30 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Burlington #634

Lab Order: 0810611

Collection Date: 10/29/2008 3:25:00 PM

Project: JFJ Land Farm

Date Received: 10/30/2008

Lab ID: 0810611-23

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
----------	--------	-----	------	-------	----	---------------

EPA METHOD 8021B: VOLATILES

Analyst: DAM

Benzene	ND	0.050		mg/Kg	1	11/2/2008 3:37:31 AM
Toluene	ND	0.050		mg/Kg	1	11/2/2008 3:37:31 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/2/2008 3:37:31 AM
Xylenes, Total	ND	0.15		mg/Kg	1	11/2/2008 3:37:31 AM
Surr: 4-Bromofluorobenzene	118	66.8-139		%REC	1	11/2/2008 3:37:31 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Conoco #656

Lab Order: 0810611

Collection Date: 10/29/2008 2:55:00 PM

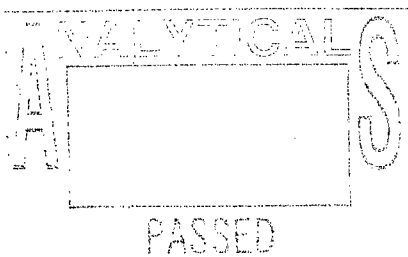
Project: JFJ Land Farm

Date Received: 10/30/2008

Lab ID: 0810611-21

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/3/2008
Surr: DNOP	95.1	61.7-135		%REC	1	11/3/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/2/2008 2:36:46 AM
Surr: BFB	95.8	58.8-123		%REC	1	11/2/2008 2:36:46 AM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	0.050		mg/Kg	1	11/2/2008 2:36:46 AM
Toluene	ND	0.050		mg/Kg	1	11/2/2008 2:36:46 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/2/2008 2:36:46 AM
Xylenes, Total	ND	0.15		mg/Kg	1	11/2/2008 2:36:46 AM
Surr: 4-Bromofluorobenzene	118	66.8-139		%REC	1	11/2/2008 2:36:46 AM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Page 21 of 24



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
INDUSTRIAL ECOSYSTEMS, INC.
ATTN: MARCELLA MARQUEZ
49 CR 3150
AZTEC, NM 87410
FAX TO: (505) 632-1876

Receiving Date: 02/23/09
Reporting Date: 02/24/09
Project Number: 7085
Project Name: SOIL SAMPLES
Project Location: NOT GIVEN

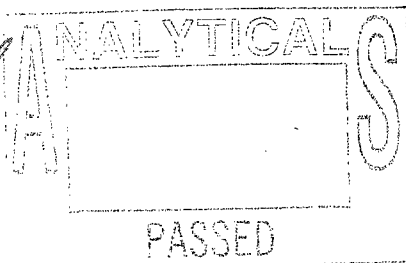
Analysis Date: 02/24/09
Sampling Date: 02/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: TR

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16948-18	PILE #656	80
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods 4500-ClB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chad Keene
Chemist



02/24/09
Date

H16948 IEI

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New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson

Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



February 19, 2009

Marcella Marquez
JFJ Landfarm, L.L.C.
Industrial Ecosystems Inc.
Soil Reclamation Center
P.O. Box 2043
Farmington, New Mexico 87499

RE: Request for Approval to Reuse Remediated Biopile Soils for the Stabilization/Solidification of Drilling Mud and Tank Bottoms and Sludge
JFJ Landfarm, LLC - Industrial Ecosystems Inc.
JFJ Landfarm - Permit # NM01-0010B
NW/4, SE/4, Section 2, Township 29 North, Range 12 West, NMPM,
San Juan County, New Mexico

Dear Ms. Marquez:

The New Mexico Oil Conservation Division (OCD) has reviewed JFJ Landfarm, LLC's (JFJ) your request, dated November 14, 2008, and analytical results to reuse the remediated soils in the following biopile for the stabilization and/or solidification of incoming drilling mud and tank bottoms and sludge:

Pile # 07 Community
Pile # 22 Basin
Pile # 560 Community
Pile # 601 Burlington
Pile # 605 Burlington
Pile # 650 Conoco

Pile # 20 Williams
Pile # 328 Basin
Pile # 584 Community
Pile # 602 Burlington
Pile # 632 Burlington

Based upon the information provided, the above-referenced biopile is hereby approved for the stabilization and/or solidification of incoming drilling mud and tank bottoms and sludge.

Please be advised that approval of this request does not relieve the JFJ of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve JFJ of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3489 or edwardj.hansen@state.nm.us.

Sincerely,

Edward J. Hansen
Hydrologist
Environmental Bureau

EJH:ejh

cc: OCD District III Office, Aztec

Oil Conservation Division * 1220 South St. Francis Drive
* Santa Fe, New Mexico 87505

* Phone: (505) 476-3440 * Fax (505) 476-3462 * <http://www.emnrd.state.nm.us>





Industrial Ecosystems Inc.
Soil Reclamation Center

RECEIVED
2008 NOV 20 PM 1 53

P.O. Box 2043
Farmington, NM 87499

Phone: (505) 632-1782
Fax: (505) 632-1876

#49 CR 3150
Aztec, NM 87410

November 14, 2008

Brad A. Jones
Environmental Engineer
Environmental Bureau
NM Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RE: Accumulation of Soils

Dear Brad:

This letter is being sent to you regarding your request for a proposal to address the accumulation of soils within the facility boundary. As per previous discussions, JFJ Landfarm/Industrial Ecosystems would like to apply remediated soils on top of the pipelines located within our facility.

As per 19.15.36.15.F-Treatment zone closure performance standards, we are currently in the process of obtaining analytical reports. Upon achieving closure performance standards, approval will be obtained from the pipeline operators and a request to reuse/dispose of the soils will be submitted to NMOCD.

Sincerely,

A handwritten signature in cursive script that reads 'Marcella Marquez'.

Marcella Marquez
Administrative Officer



**Industrial Ecosystems Inc.
Soil Reclamation Center**

P.O. Box 2043
Farmington, NM 87499

Phone: (505) 632-1782
Fax: (505) 632-1876

#49 CR 3150
Aztec, NM 87410

November 14, 2008

Brad A. Jones
Environmental Engineer
Environmental Bureau
NM Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RE: Use of reclaimed soil

Dear Brad:

Recent analytical results show that the following biopiles(s) have reached acceptable levels as required by the NMOCD.

- Pile # 07 Community
- Pile # 20 Williams
- Pile # 22 Basin
- Pile # 328 Basin
- Pile # 560 Community
- Pile # 584 Community
- Pile # 601 Burlington
- Pile # 602 Burlington
- Pile # 605 Burlington
- Pile # 632 Burlington
- Pile # 650 Conoco

We are seeking your approval to recycle this soil by using it to mix/solidify incoming liquid waste.

Sincerely,

A handwritten signature in cursive script that reads "Marcella Marquez".

Marcella Marquez
Administrative Officer

Enclosure(s) – Analytical Reports

Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Community #7

Lab Order: 0810611

Collection Date: 10/29/2008 8:15:00 AM

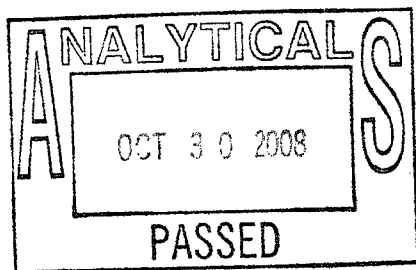
Project: JFJ Land Farm

Date Received: 10/30/2008

Lab ID: 0810611-01

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	710	3.0		mg/Kg	10	11/10/2008 10:15:06 AM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 21-May-07

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Community #7

Lab Order: 0705249

Collection Date: 5/15/2007 10:30:00 AM

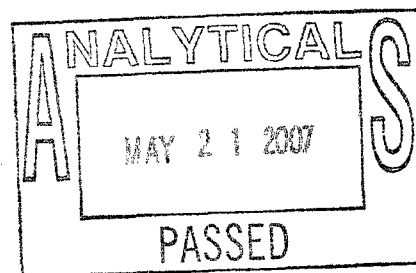
Project: JFJ Land Farm

Date Received: 5/17/2007

Lab ID: 0705249-04

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/18/2007 5:22:47 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/18/2007 5:22:47 PM
Surr: DNOP	92.2	61.7-135		%REC	1	5/18/2007 5:22:47 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/18/2007 6:40:30 PM
Surr: BFB	111	84-138		%REC	1	5/18/2007 6:40:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	5/18/2007 6:40:30 PM
Benzene	ND	0.050		mg/Kg	1	5/18/2007 6:40:30 PM
Toluene	ND	0.050		mg/Kg	1	5/18/2007 6:40:30 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/18/2007 6:40:30 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/18/2007 6:40:30 PM
Surr: 4-Bromofluorobenzene	86.3	68.2-109		%REC	1	5/18/2007 6:40:30 PM

**Qualifiers:**

* Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

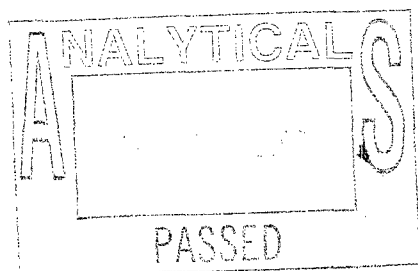
Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0810611
Project: JFJ Land Farm
Lab ID: 0810611-24

Client Sample ID: Williams #20
Collection Date: 10/29/2008 3:50:00 PM
Date Received: 10/30/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/3/2008
Surr: DNOP	98.1	61.7-135		%REC	1	11/3/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/2/2008 4:07:33 AM
Surr: BFB	95.9	58.8-123		%REC	1	11/2/2008 4:07:33 AM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	0.050		mg/Kg	1	11/2/2008 4:07:33 AM
Toluene	ND	0.050		mg/Kg	1	11/2/2008 4:07:33 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/2/2008 4:07:33 AM
Xylenes, Total	ND	0.15		mg/Kg	1	11/2/2008 4:07:33 AM
Surr: 4-Bromofluorobenzene	119	66.8-139		%REC	1	11/2/2008 4:07:33 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 01-Oct-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Williams #20

Lab Order: 0809404

Collection Date: 9/16/2008 10:35:00 AM

Project: JFJ Land Farm

Date Received: 9/19/2008

Lab ID: 0809404-21

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	320	100		mg/Kg	10	9/23/2008
Surr: DNOP	0	61.7-135	S	%REC	10	9/23/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/24/2008 10:54:07 PM
Surr: BFB	93.7	58.8-123		%REC	1	9/24/2008 10:54:07 PM
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	170	3.0		mg/Kg	10	9/29/2008 2:20:42 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Basin #22

Lab Order: 0810611

Collection Date: 10/29/2008 8:50:00 AM

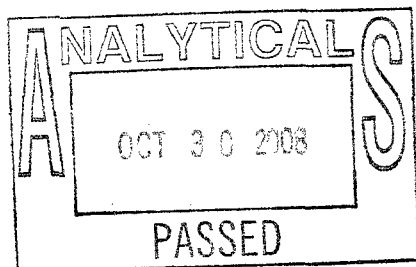
Project: JFJ Land Farm

Date Received: 10/30/2008

Lab ID: 0810611-03

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	750	3.0		mg/Kg	10	11/10/2008 10:49:55 AM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

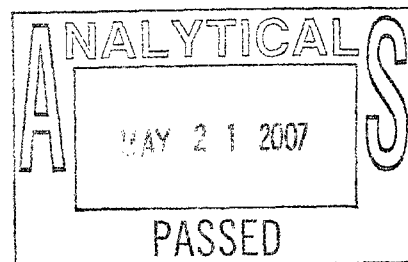
Hall Environmental Analysis Laboratory, Inc.

Date: 21-May-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0705249
Project: JFJ Land Farm
Lab ID: 0705249-06

Client Sample ID: Basin #22
Collection Date: 5/15/2007 11:00:00 AM
Date Received: 5/17/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/18/2007 6:31:47 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/18/2007 6:31:47 PM
Surr: DNOP	76.0	61.7-135		%REC	1	5/18/2007 6:31:47 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/18/2007 8:40:33 PM
Surr: BFB	113	84-138		%REC	1	5/18/2007 8:40:33 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	5/18/2007 8:40:33 PM
Benzene	ND	0.050		mg/Kg	1	5/18/2007 8:40:33 PM
Toluene	ND	0.050		mg/Kg	1	5/18/2007 8:40:33 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/18/2007 8:40:33 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/18/2007 8:40:33 PM
Surr: 4-Bromofluorobenzene	87.7	68.2-109		%REC	1	5/18/2007 8:40:33 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Basin #328

Lab Order: 0810611

Collection Date: 10/29/2008 9:55:00 AM

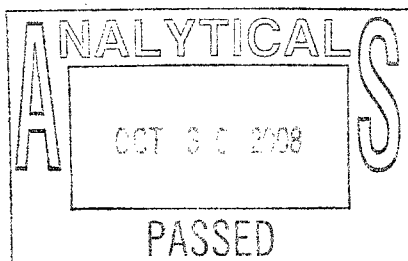
Project: JFJ Land Farm

Date Received: 10/30/2008

Lab ID: 0810611-07

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	660	3.0		mg/Kg	10	11/10/2008 12:51:45 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

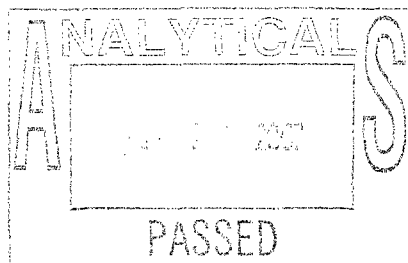
Hall Environmental Analysis Laboratory, Inc.

Date: 21-May-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0705249
Project: JFJ Land Farm
Lab ID: 0705249-11

Client Sample ID: Basin #328
Collection Date: 5/15/2007 12:15:00 PM
Date Received: 5/17/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/20/2007 12:21:05 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/20/2007 12:21:05 PM
Surr: DNOP	104	61.7-135		%REC	1	5/20/2007 12:21:05 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/18/2007 11:10:49 PM
Surr: BFB	111	84-138		%REC	1	5/18/2007 11:10:49 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	5/18/2007 11:10:49 PM
Benzene	ND	0.050		mg/Kg	1	5/18/2007 11:10:49 PM
Toluene	ND	0.050		mg/Kg	1	5/18/2007 11:10:49 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/18/2007 11:10:49 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/18/2007 11:10:49 PM
Surr: 4-Bromofluorobenzene	86.3	63.2-109		%REC	1	5/18/2007 11:10:49 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

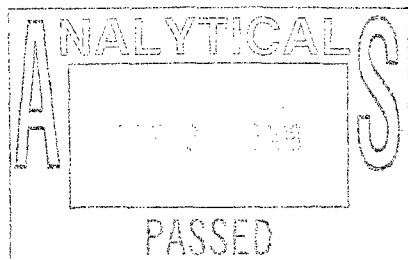
Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0810611
Project: JFJ Land Farm
Lab ID: 0810611-17

Client Sample ID: Community #560
Collection Date: 10/29/2008 1:40:00 PM
Date Received: 10/30/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/3/2008
Surr: DNOP	99.5	61.7-135		%REC	1	11/3/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/1/2008 8:32:08 PM
Surr: BFB	93.0	58.8-123		%REC	1	11/1/2008 8:32:08 PM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	0.050		mg/Kg	1	11/1/2008 8:32:08 PM
Toluene	ND	0.050		mg/Kg	1	11/1/2008 8:32:08 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/1/2008 8:32:08 PM
Xylenes, Total	ND	0.15		mg/Kg	1	11/1/2008 8:32:08 PM
Surr: 4-Bromofluorobenzene	111	66.8-139		%REC	1	11/1/2008 8:32:08 PM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 17-Sep-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Community #560

Lab Order: 0809036

Collection Date: 9/2/2008 11:55:00 AM

Project: JFJ Land Farm

Date Received: 9/3/2008

Lab ID: 0809036-12

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	140	100		mg/Kg	10	9/6/2008
Motor Oil Range Organics (MRO)	980	500		mg/Kg	10	9/6/2008
Surr: DNOP	0	61.7-135	S	%REC	10	9/6/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/13/2008 4:53:57 AM
Surr: BFB	88.1	58.8-123		%REC	1	9/13/2008 4:53:57 AM
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	170	3.0		mg/Kg	10	9/11/2008 10:56:56 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Community #584

Lab Order: 0810611

Collection Date: 10/29/2008 10:35:00 AM

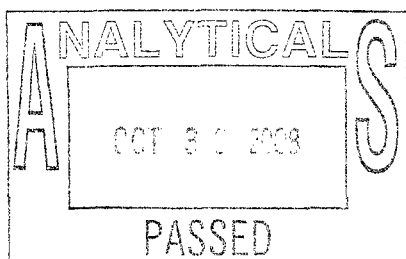
Project: JFJ Land Farm

Date Received: 10/30/2008

Lab ID: 0810611-09

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	720	3.0		mg/Kg	10	11/10/2008 2:36:11 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

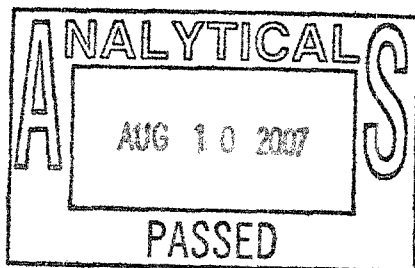
Hall Environmental Analysis Laboratory, Inc.

Date: 10-Aug-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0708103
Project: JFJ Land Farm
Lab ID: 0708103-02

Client Sample ID: Community #584
Collection Date: 8/7/2007 9:00:00 AM
Date Received: 8/8/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	31	10		mg/Kg	1	8/9/2007 5:24:25 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/9/2007 5:24:25 PM
Surr: DNOP	104	61.7-135		%REC	1	8/9/2007 5:24:25 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: LMM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/9/2007 9:09:51 PM
Surr: BFB	113	84-138		%REC	1	8/9/2007 9:09:51 PM
EPA METHOD 8021B: VOLATILES						Analyst: LMM
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	8/9/2007 9:09:51 PM
Benzene	ND	0.050		mg/Kg	1	8/9/2007 9:09:51 PM
Toluene	ND	0.050		mg/Kg	1	8/9/2007 9:09:51 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/9/2007 9:09:51 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/9/2007 9:09:51 PM
Surr: 4-Bromofluorobenzene	102	68.2-109		%REC	1	8/9/2007 9:09:51 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Burlington #601

Lab Order: 0810611

Collection Date: 10/29/2008 10:50:00 AM

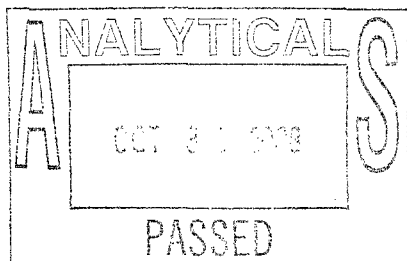
Project: JFJ Land Farm

Date Received: 10/30/2008

Lab ID: 0810611-10

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	240	3.0		mg/Kg	10	11/10/2008 2:53:35 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

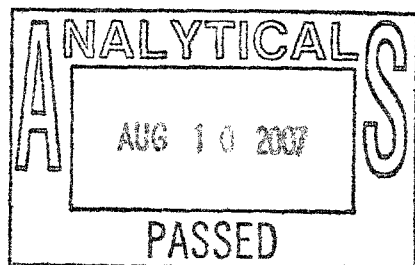
Hall Environmental Analysis Laboratory, Inc.

Date: 10-Aug-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0708103
Project: JFJ Land Farm
Lab ID: 0708103-04

Client Sample ID: Burlington #601
Collection Date: 8/7/2007 9:22:00 AM
Date Received: 8/8/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/9/2007 6:00:36 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/9/2007 6:00:36 PM
Surr: DNOP	99.6	61.7-135		%REC	1	8/9/2007 6:00:36 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: LMM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/9/2007 1:09:52 PM
Surr: BFB	111	84-138		%REC	1	8/9/2007 1:09:52 PM
EPA METHOD 8021B: VOLATILES						Analyst: LMM
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	8/9/2007 1:09:52 PM
Benzene	ND	0.050		mg/Kg	1	8/9/2007 1:09:52 PM
Toluene	ND	0.050		mg/Kg	1	8/9/2007 1:09:52 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/9/2007 1:09:52 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/9/2007 1:09:52 PM
Surr: 4-Bromofluorobenzene	99.9	68.2-109		%REC	1	8/9/2007 1:09:52 PM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Burlington #602

Lab Order: 0810611

Collection Date: 10/29/2008 11:15:00 AM

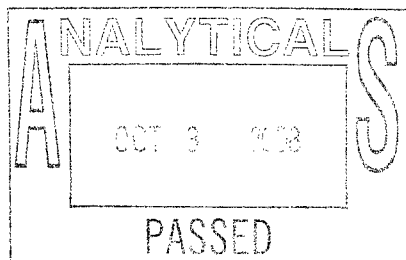
Project: JFJ Land Farm

Date Received: 10/30/2008

Lab ID: 0810611-11

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	310	3.0		mg/Kg	10	11/10/2008 3:10:59 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

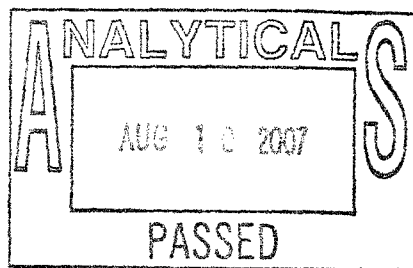
Hall Environmental Analysis Laboratory, Inc.

Date: 10-Aug-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0708103
Project: JFJ Land Farm
Lab ID: 0708103-05

Client Sample ID: Burlington #602
Collection Date: 8/7/2007 9:35:00 AM
Date Received: 8/8/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	11	10		mg/Kg	1	8/9/2007 6:36:33 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/9/2007 6:36:33 PM
Surr: DNOP	105	61.7-135		%REC	1	8/9/2007 6:36:33 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: LMM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/9/2007 1:39:50 PM
Surr: BFB	101	84-138		%REC	1	8/9/2007 1:39:50 PM
EPA METHOD 8021B: VOLATILES						Analyst: LMM
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	8/9/2007 1:39:50 PM
Benzene	ND	0.050		mg/Kg	1	8/9/2007 1:39:50 PM
Toluene	ND	0.050		mg/Kg	1	8/9/2007 1:39:50 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/9/2007 1:39:50 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/9/2007 1:39:50 PM
Surr: 4-Bromofluorobenzene	89.8	68.2-109		%REC	1	8/9/2007 1:39:50 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

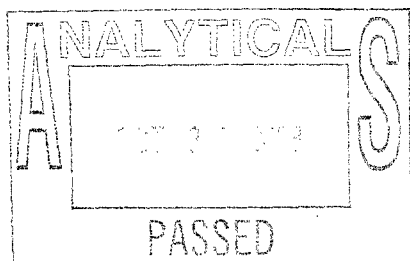
Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0810611
Project: JFJ Land Farm
Lab ID: 0810611-12

Client Sample ID: Burlington #605
Collection Date: 10/29/2008 11:40:00 AM
Date Received: 10/30/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	410	3.0		mg/Kg	10	11/10/2008 3:28:24 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

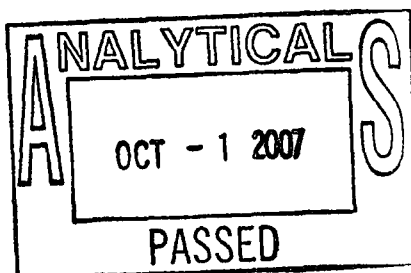
Hall Environmental Analysis Laboratory, Inc.

Date: 01-Oct-07

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0709318
Project: JFJ Land Farm
Lab ID: 0709318-01

Client Sample ID: Burlington #605
Collection Date: 9/21/2007 11:42:00 AM
Date Received: 9/24/2007
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	22	10		mg/Kg	1	9/27/2007 4:25:13 PM
Motor Oil Range Organics (MRO)	69	50		mg/Kg	1	9/27/2007 4:25:13 PM
Surr: DNOP	94.3	61.7-135		%REC	1	9/27/2007 4:25:13 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/29/2007 4:26:50 AM
Surr: BFB	110	84-138		%REC	1	9/29/2007 4:26:50 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	9/29/2007 4:26:50 AM
Benzene	ND	0.050		mg/Kg	1	9/29/2007 4:26:50 AM
Toluene	ND	0.050		mg/Kg	1	9/29/2007 4:26:50 AM
Ethylbenzene	ND	0.050		mg/Kg	1	9/29/2007 4:26:50 AM
Xylenes, Total	ND	0.10		mg/Kg	1	9/29/2007 4:26:50 AM
Surr: 4-Bromofluorobenzene	100	68.2-109		%REC	1	9/29/2007 4:26:50 AM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

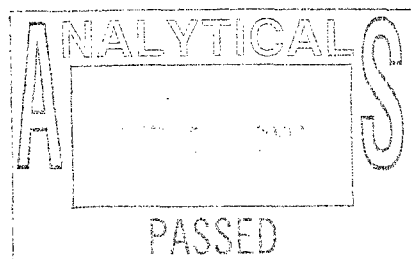
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.**Client Sample ID:** Burlington #632**Lab Order:** 0810611**Collection Date:** 10/29/2008 2:35:00 PM**Project:** JFJ Land Farm**Date Received:** 10/30/2008**Lab ID:** 0810611-20**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	13	10		mg/Kg	1	11/3/2008
Surr: DNOP	99.4	61.7-135		%REC	1	11/3/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/1/2008 10:03:20 PM
Surr: BFB	94.5	58.8-123		%REC	1	11/1/2008 10:03:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	0.050		mg/Kg	1	11/1/2008 10:03:20 PM
Toluene	ND	0.050		mg/Kg	1	11/1/2008 10:03:20 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/1/2008 10:03:20 PM
Xylenes, Total	ND	0.15		mg/Kg	1	11/1/2008 10:03:20 PM
Surr: 4-Bromofluorobenzene	115	66.8-139		%REC	1	11/1/2008 10:03:20 PM



Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 16-Oct-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Burlington #632

Lab Order: 0810074

Collection Date: 10/2/2008 10:55:00 AM

Project: JFJ Land Farm

Date Received: 10/3/2008

Lab ID: 0810074-01

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	240	10		mg/Kg	1	10/7/2008
Surr: DNOP	106	61.7-135		%REC	1	10/7/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/15/2008 10:38:30 PM
Surr: BFB	90.8	58.8-123		%REC	1	10/15/2008 10:38:30 PM
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	170	1.5		mg/Kg	5	10/14/2008 2:44:35 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 11-Nov-08

CLIENT: Industrial Ecosystems, Inc.

Client Sample ID: Conoco #650

Lab Order: 0810611

Collection Date: 10/29/2008 2:15:00 PM

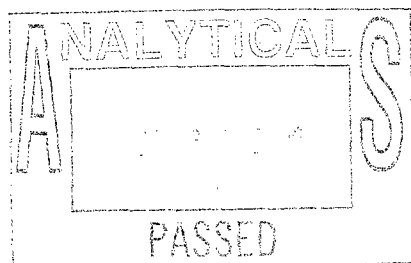
Project: JFJ Land Farm

Date Received: 10/30/2008

Lab ID: 0810611-19

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/3/2008
Surr: DNOP	94.8	61.7-135		%REC	1	11/3/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/1/2008 9:32:58 PM
Surr: BFB	97.0	58.8-123		%REC	1	11/1/2008 9:32:58 PM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	0.050		mg/Kg	1	11/1/2008 9:32:58 PM
Toluene	ND	0.050		mg/Kg	1	11/1/2008 9:32:58 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/1/2008 9:32:58 PM
Xylenes, Total	ND	0.15		mg/Kg	1	11/1/2008 9:32:58 PM
Surr: 4-Bromofluorobenzene	123	66.8-139		%REC	1	11/1/2008 9:32:58 PM



Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 16-Oct-08

CLIENT: Industrial Ecosystems, Inc.
Lab Order: 0810074
Project: JFJ Land Farm
Lab ID: 0810074-04

Client Sample ID: Conoco #650
Collection Date: 10/2/2008 11:50:00 AM
Date Received: 10/3/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	250	10		mg/Kg	1	10/7/2008
Surr: DNOP	101	61.7-135		%REC	1	10/7/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/15/2008 4:03:45 PM
Surr: BFB	92.8	58.8-123		%REC	1	10/15/2008 4:03:45 PM
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	170	1.5		mg/Kg	5	10/14/2008 3:19:24 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit