

ANALYTICAL REPORT

Wednesday, February 15, 2012

Oliver Leek  
Lord Associates, Inc.  
1506 Providence Highway  
Suite 30  
Norwood, MA 02062-4647

GeoLabs, Inc.  
45 Johnson Lane  
Braintree MA 02184  
Tele: 781 848 7844  
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Project: 1818  
Location: Morton School - Fall River

Order No.: 1202053

Dear Oliver Leek:

GeoLabs, Inc. received 7 sample(s) on 2/9/2012 for the analyses presented in the following report.

**This report is being re-issued with 13 PPM on Samples 002 and 003.** The laboratory results in this report relate only to samples submitted. All data for associated QC met method or laboratory specifications, except where noted in the Case Narrative.

Analytical methods and results meet requirements of 310CMR 40.1056(J) as per MADEP Compendium of Analytical Methods (CAM).

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



David Mick  
Laboratory Director

For current certifications, please visit our website at [www.geolabs.com](http://www.geolabs.com)

Certifications:

CT (PH-0148) - MA (M-MA015) - ME (MA0015) - NH (2508) - NJ (MA009) - RI (LA000252)  
Accredited in Accordance with NELAC

**MassDEP Analytical Protocol Certification Form**

Laboratory Name: GeoLabs, Inc. Project #: 1818

Project Location: Morton School - Fall River RTN:

This Form provides certification for the following data set: 1202053 (001-007)

Matrices:  Groundwater/Surface Water  Soil/Sediment  Drinking Water  Air  Other

**CAM Protocol** (check all that apply below):

8260 VOC CAM II A <input checked="" type="checkbox"/>	7470/7471 Hg CAM III B <input checked="" type="checkbox"/>	MassDEP VPH CAM IV A <input type="checkbox"/>	8081 Pesticides CAM V B <input type="checkbox"/>	7196 Hex Cr CAM VI B <input type="checkbox"/>	MassDEP APH CAM IX A <input type="checkbox"/>
8270 SVOC CAM II B <input checked="" type="checkbox"/>	7010 Metals CAM III C <input type="checkbox"/>	MassDEP EPH CAM IV B <input type="checkbox"/>	8151 Herbicides CAM V C <input type="checkbox"/>	8330 Explosives CAM VIII A <input type="checkbox"/>	TO-15 VOC CAM IX B <input type="checkbox"/>
6010 Metals CAM III A <input checked="" type="checkbox"/>	6020 Metals CAM III D <input type="checkbox"/>	8082 PCB CAM V A <input checked="" type="checkbox"/>	9014 Total Cyanide/PAC CAM VI A <input type="checkbox"/>	6860 Perchlorate CAM VIII B <input type="checkbox"/>	

**Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>D</b>	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>E</b>	VPH, EPH, APH and TO-15 only:  a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications.) b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No  <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**Responses to Questions G, H, and I below are required for "Presumptive Certainty" status**


<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
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**Data User Note:** Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2) (k) and WSC-07-350.

<b>H</b>	Were all QC performance standards in specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>

<sup>1</sup> All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Laboratory Director  
 Printed Name: David Mick Date: February 15, 2012

Date: 15-Feb-12

CLIENT: Lord Associates, Inc.  
Project: 1818  
Lab Order: 1202053

**CASE NARRATIVE**

Physical Condition of Samples

The project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

Selected metals only analyzed by 6010C per client request.

All extractable samples were extracted and analyzed and any Volatile samples were analyzed within method specified holding times and according to GeoLabs documented Standard Operating Procedure

The following analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples:

Limits for 1,1,2,2-Tetrachloroethane, 1,4-Dioxane, cis-1,3-Dichloropropene, Dibromochloromethane, and trans-1,3-Dichloropropene do not meet MCP limits.

8260 LCS percent recovery for Bromomethane is outside the recovery limits.

8260 LCSD percent recoveries for 2-Butanone, 2-Hexanone, Acetone, and Bromomethane are outside the recovery limits.

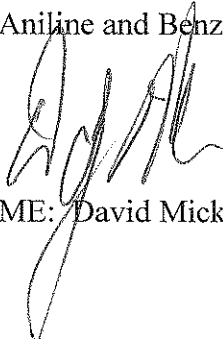
8260 RPD for 2-Butanone is outside the limit.

8270 LCS percent recoveries for 3,3'-Dichlorobenzidine, Aniline, and Pyridine are outside the recovery limits.

8270 LCSD percent recoveries for Aniline and Pyridine are outside the recovery limits.

8270 RPD for Aniline and Benzo(b)Fluoranthene is outside the limit.

SIGNATURE:



LAB DIRECTOR

PRINTED NAME: David Mick

DATE: February 15, 2012

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12

CLIENT: Lord Associates, Inc. Lab Order: 1202053  
Project: 1818

Lab ID: 1202053-001 Collection Date: 2/7/2012  
Client Sample ID: SP-20 Matrix: SOIL

Analyses Result Det. Limit Qual Units DF Date Analyzed

## PERCENT MOISTURE - 209A

Analyst: Admir

Prep Method:

Prep Date:

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
Percent Moisture	11.0	1.0		wt%	1	2/9/2012

## TOTAL PETROLEUM HYDROCARBONS - 8100M

Analyst: Jsi

Prep Method: (8100M)

Prep Date: 2/13/2012 9:24:48 AM

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	ND	56.2		mg/Kg-dry	1	2/13/2012
Surr: o-Terphenyl	113	40-140		%REC	1	2/13/2012

## POLYCHLORINATED BIPHENYLS - SW8082A

Analyst: Jsi

Prep Method: (SW3545A)

Prep Date: 2/10/2012 9:53:20 AM

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
Aroclor 1016	ND	56.2		µg/Kg-dry	1	2/13/2012
Aroclor 1221	ND	56.2		µg/Kg-dry	1	2/13/2012
Aroclor 1232	ND	56.2		µg/Kg-dry	1	2/13/2012
Aroclor 1242	ND	56.2		µg/Kg-dry	1	2/13/2012
Aroclor 1248	ND	56.2		µg/Kg-dry	1	2/13/2012
Aroclor 1254	ND	56.2		µg/Kg-dry	1	2/13/2012
Aroclor 1260	ND	56.2		µg/Kg-dry	1	2/13/2012
Surr: Decachlorobiphenyl Sig 1	85.7	30-150		%REC	1	2/13/2012
Surr: Decachlorobiphenyl Sig 2	81.8	30-150		%REC	1	2/13/2012
Surr: Tetrachloro-m-Xylene Sig 1	97.5	30-150		%REC	1	2/13/2012
Surr: Tetrachloro-m-Xylene Sig 2	88.4	30-150		%REC	1	2/13/2012

## TOTAL METALS BY ICP - SW6010C

Analyst: QS

Prep Method: (SW3050B)

Prep Date: 2/10/2012 4:50:00 PM

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
Arsenic	ND	5.44		mg/Kg-dry	1	2/13/2012
Barium	17.6	5.44		mg/Kg-dry	1	2/13/2012
Cadmium	2.17	1.09		mg/Kg-dry	1	2/13/2012
Chromium	7.54	5.44		mg/Kg-dry	1	2/13/2012
Lead	17.0	5.44		mg/Kg-dry	1	2/13/2012
Selenium	ND	5.44		mg/Kg-dry	1	2/13/2012

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit  
E Value above quantitation range H Holding times for preparation or analysis exceeded  
J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit  
S Spike Recovery outside recovery limits

GeoLabs, Inc.

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**ANALYTICAL REPORT**

**Reissue Date: 15-Feb-12**  
**Original Reported Date: 14-Feb-12**

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**TOTAL METALS BY ICP - SW6010C**

**Analyst: QS**

**Prep Method:** (SW3050B) **Prep Date:** 2/10/2012 4:50:00 PM

Silver	ND	5.44	mg/Kg-dry	1	2/13/2012
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**MERCURY - SW7471B**

**Analyst: EC**

**Prep Method:** (SW7471B) **Prep Date:** 2/10/2012 4:55:09 PM

Mercury	0.124	0.0933	mg/Kg-dry	1	2/10/2012
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**SEMIVOLATILE ORGANICS - SW8270D**

**Analyst: ZYZ**

**Prep Method:** (SW3545A) **Prep Date:** 2/13/2012 11:40:33 AM

1,1'-Biphenyl	ND	11.2	µg/Kg-dry	1	2/13/2012 1:52:00 PM
1,2,4-Trichlorobenzene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
1,2-Dichlorobenzene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
1,2-Dinitrobenzene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
1,3-Dichlorobenzene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
1,3-Dinitrobenzene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
1,4-Dichlorobenzene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
1,4-Dinitrobenzene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
2,3,4,6-Tetrachlorophenol	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
2,4,5-Trichlorophenol	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
2,4,6-Trichlorophenol	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
2,4-Dichlorophenol	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
2,4-Dimethylphenol	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
2,4-Dinitrophenol	ND	562	µg/Kg-dry	1	2/13/2012 1:52:00 PM
2,4-Dinitrotoluene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
2,6-Dinitrotoluene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
2-Chloronaphthalene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
2-Chlorophenol	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
2-Methylnaphthalene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
2-Methylphenol	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
2-Nitroaniline	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
2-Nitrophenol	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
3,3'-Dichlorobenzidine	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
3-Methylphenol/4-Methylphenol	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
3-Nitroaniline	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
4,6-Dinitro-2-Methylphenol	ND	562	µg/Kg-dry	1	2/13/2012 1:52:00 PM
4-Bromophenyl Phenyl Ether	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
4-Chloro-3-Methylphenol	ND	562	µg/Kg-dry	1	2/13/2012 1:52:00 PM

**Qualifiers:**  
 B Analyte detected in the associated Method Blank      BRL Below Reporting Limit  
 E Value above quantitation range      H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits      ND Not Detected at the Reporting Limit  
 S Spike Recovery outside recovery limits

**GeoLabs, Inc.**

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## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## SEMIVOLATILE ORGANICS - SW8270D

Analyst: ZYZ

Prep Method: (SW3545A)

Prep Date: 2/13/2012 11:40:33 AM

4-Chloroaniline	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
4-Chlorophenyl Phenyl Ether	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
4-Nitroaniline	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
4-Nitrophenol	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Acenaphthene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Acenaphthylene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Acetophenone	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Aniline	ND	562	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Anthracene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Azobenzene	ND	562	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Benz(a)Anthracene	71.3	11.2	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Benzo(a)Pyrene	69.7	11.2	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Benzo(b)Fluoranthene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Benzo(g,h,i)Perylene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Benzo(k)Fluoranthene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Benzyl Alcohol	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Bis(2-Chloroethoxy)Methane	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Bis(2-Chloroethyl)Ether	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Bis(2-Chloroisopropyl)Ether	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Bis(2-Ethylhexyl)Phthalate	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Butyl Benzyl Phthalate	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Carbazole	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Chrysene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Dibenz(a,h)Anthracene	ND	11.2	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Dibenzofuran	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Diethyl Phthalate	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Dimethyl Phthalate	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Di-n-Butyl Phthalate	ND	562	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Di-n-Octyl Phthalate	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Fluoranthene	129	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Fluorene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Hexachlorobenzene	ND	11.2	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Hexachlorobutadiene	ND	11.2	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Hexachlorocyclopentadiene	ND	562	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Hexachloroethane	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Indeno(1,2,3-cd)Pyrene	55.6	11.2	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Isophorone	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Naphthalene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Nitrobenzene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM

Qualifiers: B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike Recovery outside recovery limits

BRL Below Reporting Limit  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

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## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## SEMIVOLATILE ORGANICS - SW8270D

Analyst: ZYZ

Prep Method: (SW3545A)

Prep Date: 2/13/2012 11:40:33 AM

Compound	Result	Concentration	Unit	Count	Time
N-Nitrosodimethylamine	ND	562	µg/Kg-dry	1	2/13/2012 1:52:00 PM
N-Nitrosodi-n-Propylamine	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
N-Nitrosodiphenylamine	ND	562	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Pentachlorophenol	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Phenanthrene	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Phenol	ND	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Pyrene	116	112	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Pyridine	ND	562	µg/Kg-dry	1	2/13/2012 1:52:00 PM
Surr: 2,4,6-Tribromophenol	80.0	30-130	%REC	1	2/13/2012 1:52:00 PM
Surr: 2-Fluorobiphenyl	62.6	30-130	%REC	1	2/13/2012 1:52:00 PM
Surr: 2-Fluorophenol	76.4	30-130	%REC	1	2/13/2012 1:52:00 PM
Surr: Nitrobenzene-d5	68.5	30-130	%REC	1	2/13/2012 1:52:00 PM
Surr: Phenol-d6	74.2	30-130	%REC	1	2/13/2012 1:52:00 PM
Surr: Terphenyl-d14	64.5	30-130	%REC	1	2/13/2012 1:52:00 PM

## VOLATILE ORGANIC COMPOUNDS - 8260B

Analyst: ZC

Prep Method:

Prep Date:

Compound	Result	Concentration	Unit	Count	Time
1,1,1,2-Tetrachloroethane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,1,1-Trichloroethane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,1,2,2-Tetrachloroethane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,1,2-Trichloroethane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,1-Dichloroethane	ND	140	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,1-Dichloroethene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,1-Dichloropropene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,2,3-Trichlorobenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,2,4-Trichlorobenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,2,4-Trimethylbenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,2-Dibromo-3-Chloropropane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,2-Dibromoethane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,2-Dichlorobenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,2-Dichloroethane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,2-Dichloropropane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,3,5-Trimethylbenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,3-Dichlorobenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,3-Dichloropropane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,4-Dichlorobenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM
1,4-Dioxane	ND	11200	µg/Kg-dry	1	2/12/2012 11:41:00 AM
2,2-Dichloropropane	ND	140	µg/Kg-dry	1	2/12/2012 11:41:00 AM

Qualifiers: B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.

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Reissue Date: 15-Feb-12  
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Project: 1818

Lab Order: 1202053

## VOLATILE ORGANIC COMPOUNDS - 8260B

Analyst: ZC

	Prep Method:		Prep Date:			
2-Butanone	ND	140	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
2-Chloroethyl Vinyl Ether	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
2-Chlorotoluene	ND	140	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
2-Hexanone	ND	140	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
2-Methoxy-2-Methylbutane (TAME)	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
4-Chlorotoluene	ND	140	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
4-Isopropyltoluene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
4-Methyl-2-Pentanone	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Acetone	ND	140	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Acrylonitrile	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Benzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Bromobenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Bromochloromethane	ND	140	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Bromodichloromethane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Bromoform	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Bromomethane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Carbon Disulfide	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Carbon Tetrachloride	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Chlorobenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Chloroethane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Chloroform	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Chloromethane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
cis-1,2-Dichloroethene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
cis-1,3-Dichloropropene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Dibromochloromethane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Dibromomethane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Dichlorodifluoromethane	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Diethyl Ether	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Diisopropyl Ether	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Ethylbenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Ethyl-t-Butyl Ether	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Hexachlorobutadiene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Isopropylbenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Methyl Tert-Butyl Ether	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Methylene Chloride	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Naphthalene	ND	140	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
n-Butylbenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
n-Propylbenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
sec-Butylbenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	

Qualifiers: B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike Recovery outside recovery limits

BRL Below Reporting Limit  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811



## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12

CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## VOLATILE ORGANIC COMPOUNDS - 8260B

Analyst: ZC

Prep Method:		Prep Date:				
Styrene	ND	140	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
tert-Butylbenzene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Tetrachloroethene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Tetrahydrofuran	ND	140	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Toluene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
trans-1,2-Dichloroethene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
trans-1,3-Dichloropropene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Trichloroethene	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Trichlorofluoromethane	ND	140	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Vinyl Chloride	ND	56.2	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Xylenes, Total	ND	140	µg/Kg-dry	1	2/12/2012 11:41:00 AM	
Surr: 1,2-Dichloroethane-d4	109	70-130	%REC	1	2/12/2012 11:41:00 AM	
Surr: 4-Bromofluorobenzene	113	70-130	%REC	1	2/12/2012 11:41:00 AM	
Surr: Dibromofluoromethane	109	70-130	%REC	1	2/12/2012 11:41:00 AM	
Surr: Toluene-d8	105	70-130	%REC	1	2/12/2012 11:41:00 AM	

## SPECIFIC CONDUCTANCE - E120.1

Analyst: JC

Prep Method:		Prep Date:				
Specific Conductance	118	1.00	µmhos/cm	1	2/10/2012	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

**Reissue Date:** 15-Feb-12  
**Original Reported Date:** 14-Feb-12

**CLIENT:** Lord Associates, Inc. **Lab Order:** 1202053  
**Project:** 1818

**Lab ID:** 1202053-002 **Collection Date:** 2/7/2012  
**Client Sample ID:** SP-21 **Matrix:** SOIL

**Analyses** **Result** **Det. Limit** **Qual** **Units** **DF** **Date Analyzed**

**PERCENT MOISTURE - 209A**

Analyst: Admir

**Prep Method:** **Prep Date:**

Percent Moisture 12.0 1.0 wt% 1 2/9/2012

**TOTAL PETROLEUM HYDROCARBONS - 8100M**

Analyst: Jsi

**Prep Method:** (8100M) **Prep Date:** 2/13/2012 9:24:48 AM

Total Petroleum Hydrocarbons ND 56.8 mg/Kg-dry 1 2/13/2012  
 Surr: o-Terphenyl 113 40-140 %REC 1 2/13/2012

**POLYCHLORINATED BIPHENYLS - SW8082A**

Analyst: Jsi

**Prep Method:** (SW3545A) **Prep Date:** 2/10/2012 9:53:20 AM

Aroclor 1016 ND 56.8 µg/Kg-dry 1 2/13/2012  
 Aroclor 1221 ND 56.8 µg/Kg-dry 1 2/13/2012  
 Aroclor 1232 ND 56.8 µg/Kg-dry 1 2/13/2012  
 Aroclor 1242 ND 56.8 µg/Kg-dry 1 2/13/2012  
 Aroclor 1248 ND 56.8 µg/Kg-dry 1 2/13/2012  
 Aroclor 1254 ND 56.8 µg/Kg-dry 1 2/13/2012  
 Aroclor 1260 ND 56.8 µg/Kg-dry 1 2/13/2012  
 Surr: Decachlorobiphenyl Sig 1 82.4 30-150 %REC 1 2/13/2012  
 Surr: Decachlorobiphenyl Sig 2 78.4 30-150 %REC 1 2/13/2012  
 Surr: Tetrachloro-m-Xylene Sig 1 99.7 30-150 %REC 1 2/13/2012  
 Surr: Tetrachloro-m-Xylene Sig 2 86.4 30-150 %REC 1 2/13/2012

**TOTAL METALS BY ICP - SW6010C**

Analyst: QS

**Prep Method:** (SW3050B) **Prep Date:** 2/10/2012 4:50:00 PM

Antimony ND 5.43 mg/Kg-dry 1 2/13/2012  
 Arsenic ND 5.43 mg/Kg-dry 1 2/13/2012  
 Beryllium ND 1.63 mg/Kg-dry 1 2/13/2012  
 Cadmium ND 1.09 mg/Kg-dry 1 2/13/2012  
 Chromium 7.60 5.43 mg/Kg-dry 1 2/13/2012  
 Copper 7.24 5.43 mg/Kg-dry 1 2/13/2012

**Qualifiers:** B Analyte detected in the associated Method Blank BRL Below Reporting Limit  
 E Value above quantitation range H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit  
 S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

**Reissue Date:** 15-Feb-12  
**Original Reported Date:** 14-Feb-12

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**TOTAL METALS BY ICP - SW6010C**

Analyst: QS

**Prep Method:** (SW3050B) **Prep Date:** 2/10/2012 4:50:00 PM

Lead	17.3	5.43	mg/Kg-dry	1	2/13/2012
Nickel	7.38	5.43	mg/Kg-dry	1	2/13/2012
Selenium	ND	5.43	mg/Kg-dry	1	2/13/2012
Silver	ND	5.43	mg/Kg-dry	1	2/13/2012
Thallium	ND	1.63	mg/Kg-dry	1	2/13/2012
Zinc	26.4	5.43	mg/Kg-dry	1	2/13/2012

**MERCURY - SW7471B**

Analyst: EC

**Prep Method:** (SW7471B) **Prep Date:** 2/10/2012 4:55:09 PM

Mercury	0.119	0.0943	mg/Kg-dry	1	2/10/2012
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**SEMIVOLATILE ORGANICS - SW8270D**

Analyst: ZYZ

**Prep Method:** (SW3545A) **Prep Date:** 2/13/2012 11:40:33 AM

1,1'-Biphenyl	ND	11.4	µg/Kg-dry	1	2/13/2012 2:30:00 PM
1,2,4-Trichlorobenzene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
1,2-Dichlorobenzene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
1,2-Dinitrobenzene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
1,3-Dichlorobenzene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
1,3-Dinitrobenzene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
1,4-Dichlorobenzene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
1,4-Dinitrobenzene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
2,3,4,6-Tetrachlorophenol	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
2,4,5-Trichlorophenol	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
2,4,6-Trichlorophenol	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
2,4-Dichlorophenol	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
2,4-Dimethylphenol	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
2,4-Dinitrophenol	ND	568	µg/Kg-dry	1	2/13/2012 2:30:00 PM
2,4-Dinitrotoluene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
2,6-Dinitrotoluene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
2-Chloronaphthalene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
2-Chlorophenol	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
2-Methylnaphthalene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
2-Methylphenol	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
2-Nitroaniline	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
2-Nitrophenol	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
3,3'-Dichlorobenzidine	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank BRL Below Reporting Limit  
 E Value above quantitation range H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit  
 S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## SEMIVOLATILE ORGANICS - SW8270D

Analyst: ZYZ

Prep Method: (SW3545A)

Prep Date: 2/13/2012 11:40:33 AM

3-Methylphenol/4-Methylphenol	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
3-Nitroaniline	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
4,6-Dinitro-2-Methylphenol	ND	568	µg/Kg-dry	1	2/13/2012 2:30:00 PM
4-Bromophenyl Phenyl Ether	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
4-Chloro-3-Methylphenol	ND	568	µg/Kg-dry	1	2/13/2012 2:30:00 PM
4-Chloroaniline	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
4-Chlorophenyl Phenyl Ether	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
4-Nitroaniline	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
4-Nitrophenol	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Acenaphthene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Acenaphthylene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Acetophenone	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Aniline	ND	568	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Anthracene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Azobenzene	ND	568	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Benz(a)Anthracene	159	11.4	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Benzo(a)Pyrene	161	11.4	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Benzo(b)Fluoranthene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Benzo(g,h,i)Perylene	114	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Benzo(k)Fluoranthene	179	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Benzyl Alcohol	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Bis(2-Chloroethoxy)Methane	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Bis(2-Chloroethyl)Ether	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Bis(2-Chloroisopropyl)Ether	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Bis(2-Ethylhexyl)Phthalate	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Butyl Benzyl Phthalate	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Carbazole	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Chrysene	157	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Dibenz(a,h)Anthracene	ND	11.4	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Dibenzofuran	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Diethyl Phthalate	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Dimethyl Phthalate	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Di-n-Butyl Phthalate	ND	568	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Di-n-Octyl Phthalate	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Fluoranthene	350	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Fluorene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Hexachlorobenzene	ND	11.4	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Hexachlorobutadiene	ND	11.4	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Hexachlorocyclopentadiene	ND	568	µg/Kg-dry	1	2/13/2012 2:30:00 PM

Qualifiers: B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike Recovery outside recovery limits

BRL Below Reporting Limit  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## SEMIVOLATILE ORGANICS - SW8270D

Analyst: ZYZ

Prep Method: (SW3545A)

Prep Date: 2/13/2012 11:40:33 AM

Compound	Result	Concentration	Unit	Count	Date/Time
Hexachloroethane	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Indeno(1,2,3-cd)Pyrene	100	11.4	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Isophorone	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Naphthalene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Nitrobenzene	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
N-Nitrosodimethylamine	ND	568	µg/Kg-dry	1	2/13/2012 2:30:00 PM
N-Nitrosodi-n-Propylamine	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
N-Nitrosodiphenylamine	ND	568	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Pentachlorophenol	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Phenanthrene	185	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Phenol	ND	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Pyrene	289	114	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Pyridine	ND	568	µg/Kg-dry	1	2/13/2012 2:30:00 PM
Surr: 2,4,6-Tribromophenol	77.6	30-130	%REC	1	2/13/2012 2:30:00 PM
Surr: 2-Fluorobiphenyl	57.4	30-130	%REC	1	2/13/2012 2:30:00 PM
Surr: 2-Fluorophenol	73.3	30-130	%REC	1	2/13/2012 2:30:00 PM
Surr: Nitrobenzene-d5	63.9	30-130	%REC	1	2/13/2012 2:30:00 PM
Surr: Phenol-d6	67.2	30-130	%REC	1	2/13/2012 2:30:00 PM
Surr: Terphenyl-d14	59.4	30-130	%REC	1	2/13/2012 2:30:00 PM

## VOLATILE ORGANIC COMPOUNDS - 8260B

Analyst: ZC

Prep Method:

Prep Date:

Compound	Result	Concentration	Unit	Count	Date/Time
1,1,1,2-Tetrachloroethane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,1,1-Trichloroethane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,1,2,2-Tetrachloroethane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,1,2-Trichloroethane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,1-Dichloroethane	ND	142	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,1-Dichloroethene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,1-Dichloropropene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,2,3-Trichlorobenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,2,4-Trichlorobenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,2,4-Trimethylbenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,2-Dibromo-3-Chloropropane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,2-Dibromoethane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,2-Dichlorobenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,2-Dichloroethane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,2-Dichloropropane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,3,5-Trimethylbenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

**Reissue Date: 15-Feb-12**  
**Original Reported Date: 14-Feb-12**

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**VOLATILE ORGANIC COMPOUNDS - 8260B**

**Analyst: ZC**

	<b>Prep Method:</b>	<b>Prep Date:</b>			
1,3-Dichlorobenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,3-Dichloropropane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,4-Dichlorobenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
1,4-Dioxane	ND	11400	µg/Kg-dry	1	2/12/2012 12:13:00 PM
2,2-Dichloropropane	ND	142	µg/Kg-dry	1	2/12/2012 12:13:00 PM
2-Butanone	ND	142	µg/Kg-dry	1	2/12/2012 12:13:00 PM
2-Chloroethyl Vinyl Ether	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
2-Chlorotoluene	ND	142	µg/Kg-dry	1	2/12/2012 12:13:00 PM
2-Hexanone	ND	142	µg/Kg-dry	1	2/12/2012 12:13:00 PM
2-Methoxy-2-Methylbutane (TAME)	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
4-Chlorotoluene	ND	142	µg/Kg-dry	1	2/12/2012 12:13:00 PM
4-Isopropyltoluene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
4-Methyl-2-Pentanone	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Acetone	ND	142	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Acrylonitrile	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Benzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Bromobenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Bromochloromethane	ND	142	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Bromodichloromethane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Bromoform	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Bromomethane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Carbon Disulfide	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Carbon Tetrachloride	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Chlorobenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Chloroethane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Chloroform	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Chloromethane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
cis-1,2-Dichloroethene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
cis-1,3-Dichloropropene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Dibromochloromethane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Dibromomethane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Dichlorodifluoromethane	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Diethyl Ether	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Diisopropyl Ether	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Ethylbenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Ethyl-t-Butyl Ether	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Hexachlorobutadiene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Isopropylbenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM
Methyl Tert-Butyl Ether	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 BRL Below Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

**Reissue Date:** 15-Feb-12  
**Original Reported Date:** 14-Feb-12

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**VOLATILE ORGANIC COMPOUNDS - 8260B**

**Analyst:** ZC

	Prep Method:		Prep Date:			
Methylene Chloride	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
Naphthalene	ND	142	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
n-Butylbenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
n-Propylbenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
sec-Butylbenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
Styrene	ND	142	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
terf-Butylbenzene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
Tetrachloroethene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
Tetrahydrofuran	ND	142	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
Toluene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
trans-1,2-Dichloroethene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
trans-1,3-Dichloropropene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
Trichloroethene	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
Trichlorofluoromethane	ND	142	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
Vinyl Chloride	ND	56.8	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
Xylenes, Total	ND	142	µg/Kg-dry	1	2/12/2012 12:13:00 PM	
Surr: 1,2-Dichloroethane-d4	94.2	70-130	%REC	1	2/12/2012 12:13:00 PM	
Surr: 4-Bromofluorobenzene	101	70-130	%REC	1	2/12/2012 12:13:00 PM	
Surr: Dibromofluoromethane	106	70-130	%REC	1	2/12/2012 12:13:00 PM	
Surr: Toluene-d8	107	70-130	%REC	1	2/12/2012 12:13:00 PM	

**SPECIFIC CONDUCTANCE - E120.1**

**Analyst:** JC

	Prep Method:		Prep Date:			
Specific Conductance	220	1.00	µmhos/cm	1	2/10/2012	

**Qualifiers:**  
 B Analyte detected in the associated Method Blank      BRL Below Reporting Limit  
 E Value above quantitation range                              H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits                ND Not Detected at the Reporting Limit  
 S Spike Recovery outside recovery limits

**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12

CLIENT:	Lord Associates, Inc.	Lab Order:	1202053
Project:	1818		

Lab ID:	1202053-003	Collection Date:	2/7/2012
Client Sample ID:	SP-22	Matrix:	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
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## PERCENT MOISTURE - 209A

Analyst: Admir

Prep Method:

Prep Date:

Percent Moisture	7.0	1.0		wt%	1	2/9/2012
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## TOTAL PETROLEUM HYDROCARBONS - 8100M

Analyst: Jsi

Prep Method: (8100M)

Prep Date: 2/13/2012 9:24:48 AM

Total Petroleum Hydrocarbons	ND	53.8		mg/Kg-dry	1	2/13/2012
Surr: o-Terphenyl	102	40-140		%REC	1	2/13/2012

## POLYCHLORINATED BIPHENYLS - SW8082A

Analyst: Jsi

Prep Method: (SW3545A)

Prep Date: 2/10/2012 9:53:20 AM

Aroclor 1016	ND	53.8		µg/Kg-dry	1	2/13/2012
Aroclor 1221	ND	53.8		µg/Kg-dry	1	2/13/2012
Aroclor 1232	ND	53.8		µg/Kg-dry	1	2/13/2012
Aroclor 1242	ND	53.8		µg/Kg-dry	1	2/13/2012
Aroclor 1248	ND	53.8		µg/Kg-dry	1	2/13/2012
Aroclor 1254	ND	53.8		µg/Kg-dry	1	2/13/2012
Aroclor 1260	ND	53.8		µg/Kg-dry	1	2/13/2012
Surr: Decachlorobiphenyl Sig 1	91.5	30-150		%REC	1	2/13/2012
Surr: Decachlorobiphenyl Sig 2	87.8	30-150		%REC	1	2/13/2012
Surr: Tetrachloro-m-Xylene Sig 1	104	30-150		%REC	1	2/13/2012
Surr: Tetrachloro-m-Xylene Sig 2	92.4	30-150		%REC	1	2/13/2012

## TOTAL METALS BY ICP - SW6010C

Analyst: QS

Prep Method: (SW3050B)

Prep Date: 2/10/2012 4:50:00 PM

Antimony	ND	5.14		mg/Kg-dry	1	2/13/2012
Arsenic	ND	5.14		mg/Kg-dry	1	2/13/2012
Beryllium	ND	1.54		mg/Kg-dry	1	2/13/2012
Cadmium	ND	1.03		mg/Kg-dry	1	2/13/2012
Chromium	7.05	5.14		mg/Kg-dry	1	2/13/2012
Copper	ND	5.14		mg/Kg-dry	1	2/13/2012

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811





**ANALYTICAL REPORT**

**Reissue Date: 15-Feb-12**  
**Original Reported Date: 14-Feb-12**

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**SEMIVOLATILE ORGANICS - SW8270D**

**Analyst: ZYZ**

**Prep Method:** (SW3545A)

**Prep Date:** 2/13/2012 11:40:33 AM

3-Methylphenol/4-Methylphenol	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
3-Nitroaniline	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
4,6-Dinitro-2-Methylphenol	ND	538	µg/Kg-dry	1	2/13/2012 3:11:00 PM
4-Bromophenyl Phenyl Ether	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
4-Chloro-3-Methylphenol	ND	538	µg/Kg-dry	1	2/13/2012 3:11:00 PM
4-Chloroaniline	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
4-Chlorophenyl Phenyl Ether	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
4-Nitroaniline	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
4-Nitrophenol	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Acenaphthene	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Acenaphthylene	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Acetophenone	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Aniline	ND	538	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Anthracene	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Azobenzene	ND	538	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Benz(a)Anthracene	ND	10.8	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Benzo(a)Pyrene	ND	10.8	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Benzo(b)Fluoranthene	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Benzo(g,h,i)Perylene	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Benzo(k)Fluoranthene	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Benzyl Alcohol	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Bis(2-Chloroethoxy)Methane	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Bis(2-Chloroethyl)Ether	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Bis(2-Chloroisopropyl)Ether	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Bis(2-Ethylhexyl)Phthalate	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Butyl Benzyl Phthalate	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Carbazole	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Chrysene	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Dibenz(a,h)Anthracene	ND	10.8	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Dibenzofuran	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Diethyl Phthalate	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Dimethyl Phthalate	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Di-n-Butyl Phthalate	ND	538	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Di-n-Octyl Phthalate	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Fluoranthene	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Fluorene	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Hexachlorobenzene	ND	10.8	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Hexachlorobutadiene	ND	10.8	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Hexachlorocyclopentadiene	ND	538	µg/Kg-dry	1	2/13/2012 3:11:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 BRL Below Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

**Reissue Date: 15-Feb-12**  
**Original Reported Date: 14-Feb-12**

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**SEMIVOLATILE ORGANICS - SW8270D**

Analyst: ZYZ

**Prep Method:** (SW3545A) **Prep Date:** 2/13/2012 11:40:33 AM

Hexachloroethane	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Indeno(1,2,3-cd)Pyrene	ND	10.8	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Isophorone	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Naphthalene	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Nitrobenzene	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
N-Nitrosodimethylamine	ND	538	µg/Kg-dry	1	2/13/2012 3:11:00 PM
N-Nitrosodi-n-Propylamine	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
N-Nitrosodiphenylamine	ND	538	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Pentachlorophenol	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Phenanthrene	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Phenol	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Pyrene	ND	108	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Pyridine	ND	538	µg/Kg-dry	1	2/13/2012 3:11:00 PM
Surr: 2,4,6-Tribromophenol	76.2	30-130	%REC	1	2/13/2012 3:11:00 PM
Surr: 2-Fluorobiphenyl	53.9	30-130	%REC	1	2/13/2012 3:11:00 PM
Surr: 2-Fluorophenol	60.0	30-130	%REC	1	2/13/2012 3:11:00 PM
Surr: Nitrobenzene-d5	54.0	30-130	%REC	1	2/13/2012 3:11:00 PM
Surr: Phenol-d6	59.1	30-130	%REC	1	2/13/2012 3:11:00 PM
Surr: Terphenyl-d14	63.7	30-130	%REC	1	2/13/2012 3:11:00 PM

**VOLATILE ORGANIC COMPOUNDS - 8260B**

Analyst: ZC

**Prep Method:** **Prep Date:**

1,1,1,2-Tetrachloroethane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,1,1-Trichloroethane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,1,2,2-Tetrachloroethane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,1,2-Trichloroethane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,1-Dichloroethane	ND	108	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,1-Dichloroethene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,1-Dichloropropene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,2,3-Trichlorobenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,2,4-Trichlorobenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,2,4-Trimethylbenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,2-Dibromo-3-Chloropropane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,2-Dibromoethane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,2-Dichlorobenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,2-Dichloroethane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,2-Dichloropropane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
1,3,5-Trimethylbenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank BRL Below Reporting Limit  
 E Value above quantitation range H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit  
 S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## VOLATILE ORGANIC COMPOUNDS - 8260B

Analyst: ZC

	Prep Method:		Prep Date:			
1,3-Dichlorobenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
1,3-Dichloropropane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
1,4-Dichlorobenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
1,4-Dioxane	ND	8600	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
2,2-Dichloropropane	ND	108	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
2-Butanone	ND	108	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
2-Chloroethyl Vinyl Ether	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
2-Chlorotoluene	ND	108	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
2-Hexanone	ND	108	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
2-Methoxy-2-Methylbutane (TAME)	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
4-Chlorotoluene	ND	108	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
4-Isopropyltoluene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
4-Methyl-2-Pentanone	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Acetone	ND	108	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Acrylonitrile	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Benzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Bromobenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Bromochloromethane	ND	108	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Bromodichloromethane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Bromoform	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Bromomethane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Carbon Disulfide	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Carbon Tetrachloride	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Chlorobenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Chloroethane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Chloroform	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Chloromethane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
cis-1,2-Dichloroethene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
cis-1,3-Dichloropropene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Dibromochloromethane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Dibromomethane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Dichlorodifluoromethane	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Diethyl Ether	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Diisopropyl Ether	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Ethylbenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Ethyl-t-Butyl Ether	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Hexachlorobutadiene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Isopropylbenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	
Methyl Tert-Butyl Ether	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12

CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## VOLATILE ORGANIC COMPOUNDS - 8260B

Analyst: ZC

Prep Method:		Prep Date:			
Methylene Chloride	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
Naphthalene	ND	108	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
n-Butylbenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
n-Propylbenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
sec-Butylbenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
Styrene	ND	108	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
tert-Butylbenzene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
Tetrachloroethene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
Tetrahydrofuran	ND	108	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
Toluene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
trans-1,2-Dichloroethene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
trans-1,3-Dichloropropene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
Trichloroethene	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
Trichlorofluoromethane	ND	108	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
Vinyl Chloride	ND	43.0	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
Xylenes, Total	ND	108	µg/Kg-dry	0.8	2/12/2012 12:45:00 PM
Surr: 1,2-Dichloroethane-d4	102	70-130	%REC	0.8	2/12/2012 12:45:00 PM
Surr: 4-Bromofluorobenzene	109	70-130	%REC	0.8	2/12/2012 12:45:00 PM
Surr: Dibromofluoromethane	103	70-130	%REC	0.8	2/12/2012 12:45:00 PM
Surr: Toluene-d8	105	70-130	%REC	0.8	2/12/2012 12:45:00 PM

## SPECIFIC CONDUCTANCE - E120.1

Analyst: JC

Prep Method:		Prep Date:			
Specific Conductance	112	1.00	µmhos/cm	1	2/10/2012

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12

<b>CLIENT:</b>	Lord Associates, Inc.	<b>Lab Order:</b>	1202053
<b>Project:</b>	1818		

<b>Lab ID:</b>	1202053-004	<b>Collection Date:</b>	2/7/2012
<b>Client Sample ID:</b>	SP-23	<b>Matrix:</b>	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
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## PERCENT MOISTURE - 209A

Analyst: Admir

Prep Method:

Prep Date:

Percent Moisture	6.0	1.0		wt%	1	2/9/2012
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## TOTAL PETROLEUM HYDROCARBONS - 8100M

Analyst: Jsi

Prep Method: (8100M)

Prep Date: 2/13/2012 9:24:48 AM

Total Petroleum Hydrocarbons	ND	53.2		mg/Kg-dry	1	2/13/2012
Surr: o-Terphenyl	118	40-140		%REC	1	2/13/2012

## POLYCHLORINATED BIPHENYLS - SW8082A

Analyst: Jsi

Prep Method: (SW3545A)

Prep Date: 2/10/2012 9:53:20 AM

Aroclor 1016	ND	53.2		µg/Kg-dry	1	2/13/2012
Aroclor 1221	ND	53.2		µg/Kg-dry	1	2/13/2012
Aroclor 1232	ND	53.2		µg/Kg-dry	1	2/13/2012
Aroclor 1242	ND	53.2		µg/Kg-dry	1	2/13/2012
Aroclor 1248	ND	53.2		µg/Kg-dry	1	2/13/2012
Aroclor 1254	ND	53.2		µg/Kg-dry	1	2/13/2012
Aroclor 1260	ND	53.2		µg/Kg-dry	1	2/13/2012
Surr: Decachlorobiphenyl Sig 1	88.8	30-150		%REC	1	2/13/2012
Surr: Decachlorobiphenyl Sig 2	82.8	30-150		%REC	1	2/13/2012
Surr: Tetrachloro-m-Xylene Sig 1	98.6	30-150		%REC	1	2/13/2012
Surr: Tetrachloro-m-Xylene Sig 2	90.4	30-150		%REC	1	2/13/2012

## TOTAL METALS BY ICP - SW6010C

Analyst: QS

Prep Method: (SW3050B)

Prep Date: 2/10/2012 4:50:00 PM

Arsenic	ND	5.15		mg/Kg-dry	1	2/13/2012
Barium	19.7	5.15		mg/Kg-dry	1	2/13/2012
Cadmium	ND	1.03		mg/Kg-dry	1	2/13/2012
Chromium	6.73	5.15		mg/Kg-dry	1	2/13/2012
Lead	33.2	5.15		mg/Kg-dry	1	2/13/2012
Selenium	ND	5.15		mg/Kg-dry	1	2/13/2012

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12

CLIENT: Lord Associates, Inc. Lab Order: 1202053  
Project: 1818

## TOTAL METALS BY ICP - SW6010C

Analyst: QS

Prep Method: (SW3050B) Prep Date: 2/10/2012 4:50:00 PM

Silver	ND	5.15	mg/Kg-dry	1	2/13/2012
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## MERCURY - SW7471B

Analyst: EC

Prep Method: (SW7471B) Prep Date: 2/10/2012 4:55:09 PM

Mercury	ND	0.0883	mg/Kg-dry	1	2/10/2012
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## SEMIVOLATILE ORGANICS - SW8270D

Analyst: ZYZ

Prep Method: (SW3545A) Prep Date: 2/13/2012 11:40:33 AM

1,1'-Biphenyl	ND	10.6	µg/Kg-dry	1	2/13/2012 3:48:00 PM
1,2,4-Trichlorobenzene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
1,2-Dichlorobenzene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
1,2-Dinitrobenzene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
1,3-Dichlorobenzene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
1,3-Dinitrobenzene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
1,4-Dichlorobenzene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
1,4-Dinitrobenzene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
2,3,4,6-Tetrachlorophenol	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
2,4,5-Trichlorophenol	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
2,4,6-Trichlorophenol	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
2,4-Dichlorophenol	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
2,4-Dimethylphenol	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
2,4-Dinitrophenol	ND	532	µg/Kg-dry	1	2/13/2012 3:48:00 PM
2,4-Dinitrotoluene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
2,6-Dinitrotoluene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
2-Chloronaphthalene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
2-Chlorophenol	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
2-Methylnaphthalene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
2-Methylphenol	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
2-Nitroaniline	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
2-Nitrophenol	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
3,3'-Dichlorobenzidine	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
3-Methylphenol/4-Methylphenol	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
3-Nitroaniline	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
4,6-Dinitro-2-Methylphenol	ND	532	µg/Kg-dry	1	2/13/2012 3:48:00 PM
4-Bromophenyl Phenyl Ether	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
4-Chloro-3-Methylphenol	ND	532	µg/Kg-dry	1	2/13/2012 3:48:00 PM

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit  
E Value above quantitation range H Holding times for preparation or analysis exceeded  
J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit  
S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

**Reissue Date: 15-Feb-12**  
**Original Reported Date: 14-Feb-12**

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**SEMIVOLATILE ORGANICS - SW8270D**

**Analyst: ZYZ**

**Prep Method: (SW3545A) Prep Date: 2/13/2012 11:40:33 AM**

4-Chloroaniline	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
4-Chlorophenyl Phenyl Ether	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
4-Nitroaniline	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
4-Nitrophenol	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Acenaphthene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Acenaphthylene	110	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Acetophenone	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Aniline	ND	532	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Anthracene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Azobenzene	ND	532	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Benz(a)Anthracene	312	10.6	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Benzo(a)Pyrene	322	10.6	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Benzo(b)Fluoranthene	241	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Benzo(g,h,i)Perylene	224	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Benzo(k)Fluoranthene	279	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Benzyl Alcohol	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Bis(2-Chloroethoxy)Methane	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Bis(2-Chloroethyl)Ether	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Bis(2-Chloroisopropyl)Ether	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Bis(2-Ethylhexyl)Phthalate	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Butyl Benzyl Phthalate	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Carbazole	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Chrysene	353	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Dibenz(a,h)Anthracene	ND	10.6	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Dibenzofuran	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Diethyl Phthalate	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Dimethyl Phthalate	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Di-n-Butyl Phthalate	ND	532	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Di-n-Octyl Phthalate	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Fluoranthene	619	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Fluorene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Hexachlorobenzene	ND	10.6	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Hexachlorobutadiene	ND	10.6	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Hexachlorocyclopentadiene	ND	532	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Hexachloroethane	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Indeno(1,2,3-cd)Pyrene	175	10.6	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Isophorone	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Naphthalene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Nitrobenzene	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank BRL Below Reporting Limit  
 E Value above quantitation range H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit  
 S Spike Recovery outside recovery limits

**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811



**ANALYTICAL REPORT**

**Reissue Date: 15-Feb-12**  
**Original Reported Date: 14-Feb-12**

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**SEMIVOLATILE ORGANICS - SW8270D**

Analyst: ZYZ

**Prep Method:** (SW3545A)      **Prep Date:** 2/13/2012 11:40:33 AM

N-Nitrosodimethylamine	ND	532	µg/Kg-dry	1	2/13/2012 3:48:00 PM
N-Nitrosodi-n-Propylamine	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
N-Nitrosodiphenylamine	ND	532	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Pentachlorophenol	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Phenanthrene	318	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Phenol	ND	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Pyrene	600	106	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Pyridine	ND	532	µg/Kg-dry	1	2/13/2012 3:48:00 PM
Surr: 2,4,6-Tribromophenol	77.3	30-130	%REC	1	2/13/2012 3:48:00 PM
Surr: 2-Fluorobiphenyl	62.1	30-130	%REC	1	2/13/2012 3:48:00 PM
Surr: 2-Fluorophenol	83.4	30-130	%REC	1	2/13/2012 3:48:00 PM
Surr: Nitrobenzene-d5	75.4	30-130	%REC	1	2/13/2012 3:48:00 PM
Surr: Phenol-d6	75.9	30-130	%REC	1	2/13/2012 3:48:00 PM
Surr: Terphenyl-d14	61.8	30-130	%REC	1	2/13/2012 3:48:00 PM

**VOLATILE ORGANIC COMPOUNDS - 8260B**

Analyst: ZC

**Prep Method:**      **Prep Date:**

1,1,1,2-Tetrachloroethane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,1,1-Trichloroethane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,1,2,2-Tetrachloroethane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,1,2-Trichloroethane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,1-Dichloroethane	ND	133	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,1-Dichloroethene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,1-Dichloropropene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,2,3-Trichlorobenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,2,4-Trichlorobenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,2,4-Trimethylbenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,2-Dibromo-3-Chloropropane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,2-Dibromoethane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,2-Dichlorobenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,2-Dichloroethane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,2-Dichloropropane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,3,5-Trimethylbenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,3-Dichlorobenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,3-Dichloropropane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,4-Dichlorobenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
1,4-Dioxane	ND	10600	µg/Kg-dry	1	2/12/2012 1:17:00 PM
2,2-Dichloropropane	ND	133	µg/Kg-dry	1	2/12/2012 1:17:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank      BRL Below Reporting Limit  
 E Value above quantitation range      H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits      ND Not Detected at the Reporting Limit  
 S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## VOLATILE ORGANIC COMPOUNDS - 8260B

Analyst: ZC

	Prep Method:		Prep Date:		
2-Butanone	ND	133	µg/Kg-dry	1	2/12/2012 1:17:00 PM
2-Chloroethyl Vinyl Ether	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
2-Chlorotoluene	ND	133	µg/Kg-dry	1	2/12/2012 1:17:00 PM
2-Hexanone	ND	133	µg/Kg-dry	1	2/12/2012 1:17:00 PM
2-Methoxy-2-Methylbutane (TAME)	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
4-Chlorotoluene	ND	133	µg/Kg-dry	1	2/12/2012 1:17:00 PM
4-Isopropyltoluene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
4-Methyl-2-Pentanone	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Acetone	ND	133	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Acrylonitrile	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Benzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Bromobenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Bromochloromethane	ND	133	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Bromodichloromethane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Bromoform	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Bromomethane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Carbon Disulfide	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Carbon Tetrachloride	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Chlorobenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Chloroethane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Chloroform	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Chloromethane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
cis-1,2-Dichloroethene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
cis-1,3-Dichloropropene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Dibromochloromethane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Dibromomethane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Dichlorodifluoromethane	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Diethyl Ether	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Diisopropyl Ether	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Ethylbenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Ethyl-t-Butyl Ether	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Hexachlorobutadiene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Isopropylbenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Methyl Tert-Butyl Ether	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Methylene Chloride	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
Naphthalene	ND	133	µg/Kg-dry	1	2/12/2012 1:17:00 PM
n-Butylbenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
n-Propylbenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM
sec-Butylbenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM

Qualifiers: B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike Recovery outside recovery limits

BRL Below Reporting Limit  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

**Reissue Date: 15-Feb-12**  
**Original Reported Date: 14-Feb-12**

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**VOLATILE ORGANIC COMPOUNDS - 8260B**

Analyst: ZC

	Prep Method:		Prep Date:			
Styrene	ND	133	µg/Kg-dry	1	2/12/2012 1:17:00 PM	
tert-Butylbenzene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM	
Tetrachloroethene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM	
Tetrahydrofuran	ND	133	µg/Kg-dry	1	2/12/2012 1:17:00 PM	
Toluene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM	
trans-1,2-Dichloroethene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM	
trans-1,3-Dichloropropene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM	
Trichloroethene	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM	
Trichlorofluoromethane	ND	133	µg/Kg-dry	1	2/12/2012 1:17:00 PM	
Vinyl Chloride	ND	53.2	µg/Kg-dry	1	2/12/2012 1:17:00 PM	
Xylenes, Total	ND	133	µg/Kg-dry	1	2/12/2012 1:17:00 PM	
Surr: 1,2-Dichloroethane-d4	95.0	70-130	%REC	1	2/12/2012 1:17:00 PM	
Surr: 4-Bromofluorobenzene	99.9	70-130	%REC	1	2/12/2012 1:17:00 PM	
Surr: Dibromofluoromethane	98.3	70-130	%REC	1	2/12/2012 1:17:00 PM	
Surr: Toluene-d8	105	70-130	%REC	1	2/12/2012 1:17:00 PM	

**SPECIFIC CONDUCTANCE - E120.1**

Analyst: JC

	Prep Method:		Prep Date:			
Specific Conductance	240	1.00	µmhos/cm	1	2/10/2012	

**Qualifiers:** B Analyte detected in the associated Method Blank      BRL Below Reporting Limit  
 E Value above quantitation range      H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits      ND Not Detected at the Reporting Limit  
 S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12

CLIENT: Lord Associates, Inc. Lab Order: 1202053  
Project: 1818

Lab ID: 1202053-005 Collection Date: 2/7/2012  
Client Sample ID: SP-24 Matrix: SOIL

Analyses Result Det. Limit Qual Units DF Date Analyzed

## PERCENT MOISTURE - 209A

Analyst: Admir

Prep Method:

Prep Date:

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
Percent Moisture	11.0	1.0		wt%	1	2/9/2012

## TOTAL PETROLEUM HYDROCARBONS - 8100M

Analyst: Jsi

Prep Method: (8100M)

Prep Date: 2/13/2012 9:24:48 AM

Total Petroleum Hydrocarbons	ND	56.2		mg/Kg-dry	1	2/13/2012
Surr: o-Terphenyl	116	40-140		%REC	1	2/13/2012

## POLYCHLORINATED BIPHENYLS - SW8082A

Analyst: Jsi

Prep Method: (SW3545A)

Prep Date: 2/10/2012 9:53:20 AM

Aroclor 1016	ND	56.2		µg/Kg-dry	1	2/13/2012
Aroclor 1221	ND	56.2		µg/Kg-dry	1	2/13/2012
Aroclor 1232	ND	56.2		µg/Kg-dry	1	2/13/2012
Aroclor 1242	ND	56.2		µg/Kg-dry	1	2/13/2012
Aroclor 1248	ND	56.2		µg/Kg-dry	1	2/13/2012
Aroclor 1254	ND	56.2		µg/Kg-dry	1	2/13/2012
Aroclor 1260	ND	56.2		µg/Kg-dry	1	2/13/2012
Surr: Decachlorobiphenyl Sig 1	68.1	30-150		%REC	1	2/13/2012
Surr: Decachlorobiphenyl Sig 2	63.0	30-150		%REC	1	2/13/2012
Surr: Tetrachloro-m-Xylene Sig 1	75.4	30-150		%REC	1	2/13/2012
Surr: Tetrachloro-m-Xylene Sig 2	80.1	30-150		%REC	1	2/13/2012

## TOTAL METALS BY ICP - SW6010C

Analyst: QS

Prep Method: (SW3050B)

Prep Date: 2/10/2012 4:50:00 PM

Arsenic	ND	5.54		mg/Kg-dry	1	2/13/2012
Barium	24.8	5.54		mg/Kg-dry	1	2/13/2012
Cadmium	ND	1.11		mg/Kg-dry	1	2/13/2012
Chromium	8.13	5.54		mg/Kg-dry	1	2/13/2012
Lead	37.3	5.54		mg/Kg-dry	1	2/13/2012
Selenium	ND	5.54		mg/Kg-dry	1	2/13/2012

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit  
E Value above quantitation range H Holding times for preparation or analysis exceeded  
J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit  
S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## TOTAL METALS BY ICP - SW6010C

Analyst: QS

Prep Method: (SW3050B) Prep Date: 2/10/2012 4:50:00 PM

Silver	ND	5.54	mg/Kg-dry	1	2/13/2012
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## MERCURY - SW7471B

Analyst: EC

Prep Method: (SW7471B) Prep Date: 2/10/2012 4:55:09 PM

Mercury	0.146	0.0933	mg/Kg-dry	1	2/10/2012
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## SEMIVOLATILE ORGANICS - SW8270D

Analyst: ZYZ

Prep Method: (SW3545A) Prep Date: 2/13/2012 11:40:33 AM

1,1'-Biphenyl	ND	11.2	µg/Kg-dry	1	2/13/2012 4:25:00 PM
1,2,4-Trichlorobenzene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
1,2-Dichlorobenzene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
1,2-Dinitrobenzene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
1,3-Dichlorobenzene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
1,3-Dinitrobenzene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
1,4-Dichlorobenzene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
1,4-Dinitrobenzene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
2,3,4,6-Tetrachlorophenol	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
2,4,5-Trichlorophenol	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
2,4,6-Trichlorophenol	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
2,4-Dichlorophenol	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
2,4-Dimethylphenol	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
2,4-Dinitrophenol	ND	562	µg/Kg-dry	1	2/13/2012 4:25:00 PM
2,4-Dinitrotoluene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
2,6-Dinitrotoluene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
2-Chloronaphthalene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
2-Chlorophenol	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
2-Methylnaphthalene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
2-Methylphenol	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
2-Nitroaniline	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
2-Nitrophenol	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
3,3'-Dichlorobenzidine	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
3-Methylphenol/4-Methylphenol	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
3-Nitroaniline	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
4,6-Dinitro-2-Methylphenol	ND	562	µg/Kg-dry	1	2/13/2012 4:25:00 PM
4-Bromophenyl Phenyl Ether	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
4-Chloro-3-Methylphenol	ND	562	µg/Kg-dry	1	2/13/2012 4:25:00 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

**Reissue Date: 15-Feb-12**  
**Original Reported Date: 14-Feb-12**

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**SEMIVOLATILE ORGANICS - SW8270D**

Analyst: ZYZ

**Prep Method:** (SW3545A) **Prep Date:** 2/13/2012 11:40:33 AM

4-Chloroaniline	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
4-Chlorophenyl Phenyl Ether	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
4-Nitroaniline	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
4-Nitrophenol	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Acenaphthene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Acenaphthylene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Acetophenone	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Aniline	ND	562	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Anthracene	146	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Azobenzene	ND	562	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Benz(a)Anthracene	317	11.2	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Benzo(a)Pyrene	319	11.2	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Benzo(b)Fluoranthene	283	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Benzo(g,h,i)Perylene	207	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Benzo(k)Fluoranthene	297	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Benzyl Alcohol	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Bis(2-Chloroethoxy)Methane	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Bis(2-Chloroethyl)Ether	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Bis(2-Chloroisopropyl)Ether	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Bis(2-Ethylhexyl)Phthalate	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Butyl Benzyl Phthalate	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Carbazole	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Chrysene	361	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Dibenz(a,h)Anthracene	ND	11.2	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Dibenzofuran	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Diethyl Phthalate	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Dimethyl Phthalate	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Di-n-Butyl Phthalate	ND	562	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Di-n-Octyl Phthalate	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Fluoranthene	695	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Fluorene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Hexachlorobenzene	ND	11.2	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Hexachlorobutadiene	ND	11.2	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Hexachlorocyclopentadiene	ND	562	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Hexachloroethane	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Indeno(1,2,3-cd)Pyrene	188	11.2	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Isophorone	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Naphthalene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Nitrobenzene	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

**Reissue Date: 15-Feb-12**  
**Original Reported Date: 14-Feb-12**

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**SEMIVOLATILE ORGANICS - SW8270D**

**Analyst: ZYZ**

**Prep Method:** (SW3545A)      **Prep Date:** 2/13/2012 11:40:33 AM

N-Nitrosodimethylamine	ND	562	µg/Kg-dry	1	2/13/2012 4:25:00 PM
N-Nitrosodi-n-Propylamine	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
N-Nitrosodiphenylamine	ND	562	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Pentachlorophenol	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Phenanthrene	342	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Phenol	ND	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Pyrene	648	112	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Pyridine	ND	562	µg/Kg-dry	1	2/13/2012 4:25:00 PM
Surr: 2,4,6-Tribromophenol	74.6	30-130	%REC	1	2/13/2012 4:25:00 PM
Surr: 2-Fluorobiphenyl	53.2	30-130	%REC	1	2/13/2012 4:25:00 PM
Surr: 2-Fluorophenol	67.1	30-130	%REC	1	2/13/2012 4:25:00 PM
Surr: Nitrobenzene-d5	60.6	30-130	%REC	1	2/13/2012 4:25:00 PM
Surr: Phenol-d6	65.8	30-130	%REC	1	2/13/2012 4:25:00 PM
Surr: Terphenyl-d14	63.4	30-130	%REC	1	2/13/2012 4:25:00 PM

**VOLATILE ORGANIC COMPOUNDS - 8260B**

**Analyst: ZC**

**Prep Method:**      **Prep Date:**

1,1,1,2-Tetrachloroethane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,1,1-Trichloroethane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,1,2,2-Tetrachloroethane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,1,2-Trichloroethane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,1-Dichloroethane	ND	129	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,1-Dichloroethene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,1-Dichloropropene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,2,3-Trichlorobenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,2,4-Trichlorobenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,2,4-Trimethylbenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,2-Dibromo-3-Chloropropane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,2-Dibromoethane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,2-Dichlorobenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,2-Dichloroethane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,2-Dichloropropane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,3,5-Trimethylbenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,3-Dichlorobenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,3-Dichloropropane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,4-Dichlorobenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
1,4-Dioxane	ND	10300	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM
2,2-Dichloropropane	ND	129	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank      BRL Below Reporting Limit  
 E Value above quantitation range      H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits      ND Not Detected at the Reporting Limit  
 S Spike Recovery outside recovery limits

**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

**Reissue Date: 15-Feb-12**  
**Original Reported Date: 14-Feb-12**

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**VOLATILE ORGANIC COMPOUNDS - 8260B**

Analyst: ZC

	Prep Method:	Prep Date:				
2-Butanone	ND	129	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
2-Chloroethyl Vinyl Ether	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
2-Chlorotoluene	ND	129	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
2-Hexanone	ND	129	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
2-Methoxy-2-Methylbutane (TAME)	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
4-Chlorotoluene	ND	129	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
4-Isopropyltoluene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
4-Methyl-2-Pentanone	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Acetone	ND	129	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Acrylonitrile	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Benzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Bromobenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Bromochloromethane	ND	129	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Bromodichloromethane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Bromoform	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Bromomethane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Carbon Disulfide	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Carbon Tetrachloride	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Chlorobenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Chloroethane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Chloroform	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Chloromethane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
cis-1,2-Dichloroethene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
cis-1,3-Dichloropropene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Dibromochloromethane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Dibromomethane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Dichlorodifluoromethane	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Diethyl Ether	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Diisopropyl Ether	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Ethylbenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Ethyl-t-Butyl Ether	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Hexachlorobutadiene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Isopropylbenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Methyl Tert-Butyl Ether	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Methylene Chloride	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Naphthalene	ND	129	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
n-Butylbenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
n-Propylbenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
sec-Butylbenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811



## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## VOLATILE ORGANIC COMPOUNDS - 8260B

Analyst: ZC

	Prep Method:		Prep Date:			
Styrene	ND	129	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
tert-Butylbenzene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Tetrachloroethene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Tetrahydrofuran	ND	129	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Toluene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
trans-1,2-Dichloroethene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
trans-1,3-Dichloropropene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Trichloroethene	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Trichlorofluoromethane	ND	129	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Vinyl Chloride	ND	51.7	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Xylenes, Total	ND	129	µg/Kg-dry	0.92	2/12/2012 1:50:00 PM	
Surr: 1,2-Dichloroethane-d4	104	70-130	%REC	0.92	2/12/2012 1:50:00 PM	
Surr: 4-Bromofluorobenzene	112	70-130	%REC	0.92	2/12/2012 1:50:00 PM	
Surr: Dibromofluoromethane	110	70-130	%REC	0.92	2/12/2012 1:50:00 PM	
Surr: Toluene-d8	124	70-130	%REC	0.92	2/12/2012 1:50:00 PM	

## SPECIFIC CONDUCTANCE - E120.1

Analyst: JC

	Prep Method:		Prep Date:			
Specific Conductance	260	1.00	µmhos/cm	1	2/10/2012	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

**Reissue Date: 15-Feb-12**  
**Original Reported Date: 14-Feb-12**

**CLIENT:** Lord Associates, Inc. **Lab Order:** 1202053  
**Project:** 1818

**Lab ID:** 1202053-006 **Collection Date:** 2/7/2012  
**Client Sample ID:** SP-25 **Matrix:** SOIL

**Analyses** **Result** **Det. Limit** **Qual** **Units** **DF** **Date Analyzed**

**PERCENT MOISTURE - 209A**

**Analyst: Admir**

**Prep Method:**

**Prep Date:**

Percent Moisture 5.0 1.0 wt% 1 2/9/2012

**TOTAL PETROLEUM HYDROCARBONS - 8100M**

**Analyst: Jsi**

**Prep Method:** (8100M)

**Prep Date:** 2/13/2012 9:24:48 AM

Total Petroleum Hydrocarbons ND 52.6 mg/Kg-dry 1 2/13/2012  
 Surr: o-Terphenyl 116 40-140 %REC 1 2/13/2012

**POLYCHLORINATED BIPHENYLS - SW8082A**

**Analyst: Jsi**

**Prep Method:** (SW3545A)

**Prep Date:** 2/10/2012 9:53:20 AM

Aroclor 1016 ND 52.6 µg/Kg-dry 1 2/13/2012  
 Aroclor 1221 ND 52.6 µg/Kg-dry 1 2/13/2012  
 Aroclor 1232 ND 52.6 µg/Kg-dry 1 2/13/2012  
 Aroclor 1242 ND 52.6 µg/Kg-dry 1 2/13/2012  
 Aroclor 1248 ND 52.6 µg/Kg-dry 1 2/13/2012  
 Aroclor 1254 ND 52.6 µg/Kg-dry 1 2/13/2012  
 Aroclor 1260 ND 52.6 µg/Kg-dry 1 2/13/2012  
 Surr: Decachlorobiphenyl Sig 1 84.2 30-150 %REC 1 2/13/2012  
 Surr: Decachlorobiphenyl Sig 2 83.2 30-150 %REC 1 2/13/2012  
 Surr: Tetrachloro-m-Xylene Sig 1 97.3 30-150 %REC 1 2/13/2012  
 Surr: Tetrachloro-m-Xylene Sig 2 89.2 30-150 %REC 1 2/13/2012

**TOTAL METALS BY ICP - SW6010C**

**Analyst: QS**

**Prep Method:** (SW3050B)

**Prep Date:** 2/10/2012 4:50:00 PM

Arsenic ND 5.00 mg/Kg-dry 1 2/13/2012  
 Barium 20.9 5.00 mg/Kg-dry 1 2/13/2012  
 Cadmium ND 0.999 mg/Kg-dry 1 2/13/2012  
 Chromium 7.59 5.00 mg/Kg-dry 1 2/13/2012  
 Lead 22.6 5.00 mg/Kg-dry 1 2/13/2012  
 Selenium ND 5.00 mg/Kg-dry 1 2/13/2012

**Qualifiers:** B Analyte detected in the associated Method Blank BRL Below Reporting Limit  
 E Value above quantitation range H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit  
 S Spike Recovery outside recovery limits

**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12

CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## TOTAL METALS BY ICP - SW6010C

Analyst: QS

Prep Method: (SW3050B) Prep Date: 2/10/2012 4:50:00 PM

Silver	ND	5.00	mg/Kg-dry	1	2/13/2012
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## MERCURY - SW7471B

Analyst: EC

Prep Method: (SW7471B) Prep Date: 2/10/2012 4:55:09 PM

Mercury	ND	0.0874	mg/Kg-dry	1	2/10/2012
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## SEMIVOLATILE ORGANICS - SW8270D

Analyst: ZYZ

Prep Method: (SW3545A) Prep Date: 2/13/2012 11:40:33 AM

1,1'-Biphenyl	ND	10.5	µg/Kg-dry	1	2/13/2012 5:02:00 PM
1,2,4-Trichlorobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
1,2-Dichlorobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
1,2-Dinitrobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
1,3-Dichlorobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
1,3-Dinitrobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
1,4-Dichlorobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
1,4-Dinitrobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
2,3,4,6-Tetrachlorophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
2,4,5-Trichlorophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
2,4,6-Trichlorophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
2,4-Dichlorophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
2,4-Dimethylphenol	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
2,4-Dinitrophenol	ND	526	µg/Kg-dry	1	2/13/2012 5:02:00 PM
2,4-Dinitrotoluene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
2,6-Dinitrotoluene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
2-Chloronaphthalene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
2-Chlorophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
2-Methylnaphthalene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
2-Methylphenol	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
2-Nitroaniline	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
2-Nitrophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
3,3'-Dichlorobenzidine	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
3-Methylphenol/4-Methylphenol	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
3-Nitroaniline	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
4,6-Dinitro-2-Methylphenol	ND	526	µg/Kg-dry	1	2/13/2012 5:02:00 PM
4-Bromophenyl Phenyl Ether	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
4-Chloro-3-Methylphenol	ND	526	µg/Kg-dry	1	2/13/2012 5:02:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank BRL Below Reporting Limit  
E Value above quantitation range H Holding times for preparation or analysis exceeded  
J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit  
S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12

CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## SEMIVOLATILE ORGANICS - SW8270D

Analyst: ZYZ

Prep Method: (SW3545A)

Prep Date: 2/13/2012 11:40:33 AM

4-Chloroaniline	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
4-Chlorophenyl Phenyl Ether	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
4-Nitroaniline	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
4-Nitrophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Acenaphthene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Acenaphthylene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Acetophenone	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Aniline	ND	526	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Anthracene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Azobenzene	ND	526	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Benz(a)Anthracene	102	10.5	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Benzo(a)Pyrene	104	10.5	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Benzo(b)Fluoranthene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Benzo(g,h,i)Perylene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Benzo(k)Fluoranthene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Benzyl Alcohol	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Bis(2-Chloroethoxy)Methane	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Bis(2-Chloroethyl)Ether	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Bis(2-Chloroisopropyl)Ether	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Bis(2-Ethylhexyl)Phthalate	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Butyl Benzyl Phthalate	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Carbazole	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Chrysene	119	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Dibenz(a,h)Anthracene	ND	10.5	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Dibenzofuran	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Diethyl Phthalate	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Dimethyl Phthalate	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Di-n-Butyl Phthalate	ND	526	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Di-n-Octyl Phthalate	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Fluoranthene	281	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Fluorene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Hexachlorobenzene	ND	10.5	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Hexachlorobutadiene	ND	10.5	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Hexachlorocyclopentadiene	ND	526	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Hexachloroethane	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Indeno(1,2,3-cd)Pyrene	72.6	10.5	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Isophorone	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Naphthalene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Nitrobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## SEMIVOLATILE ORGANICS - SW8270D

Analyst: ZYZ

Prep Method: (SW3545A)

Prep Date: 2/13/2012 11:40:33 AM

N-Nitrosodimethylamine	ND	526	µg/Kg-dry	1	2/13/2012 5:02:00 PM
N-Nitrosodi-n-Propylamine	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
N-Nitrosodiphenylamine	ND	526	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Pentachlorophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Phenanthrene	195	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Phenol	ND	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Pyrene	239	105	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Pyridine	ND	526	µg/Kg-dry	1	2/13/2012 5:02:00 PM
Surr: 2,4,6-Tribromophenol	81.7	30-130	%REC	1	2/13/2012 5:02:00 PM
Surr: 2-Fluorobiphenyl	73.9	30-130	%REC	1	2/13/2012 5:02:00 PM
Surr: 2-Fluorophenol	86.2	30-130	%REC	1	2/13/2012 5:02:00 PM
Surr: Nitrobenzene-d5	78.0	30-130	%REC	1	2/13/2012 5:02:00 PM
Surr: Phenol-d6	80.6	30-130	%REC	1	2/13/2012 5:02:00 PM
Surr: Terphenyl-d14	67.9	30-130	%REC	1	2/13/2012 5:02:00 PM

## VOLATILE ORGANIC COMPOUNDS - 8260B

Analyst: ZC

Prep Method:

Prep Date:

1,1,1,2-Tetrachloroethane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,1,1-Trichloroethane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,1,2,2-Tetrachloroethane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,1,2-Trichloroethane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,1-Dichloroethane	ND	111	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,1-Dichloroethene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,1-Dichloropropene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,2,3-Trichlorobenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,2,4-Trichlorobenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,2,4-Trimethylbenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,2-Dibromo-3-Chloropropane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,2-Dibromoethane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,2-Dichlorobenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,2-Dichloroethane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,2-Dichloropropane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,3,5-Trimethylbenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,3-Dichlorobenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,3-Dichloropropane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,4-Dichlorobenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
1,4-Dioxane	ND	8840	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
2,2-Dichloropropane	ND	111	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM

Qualifiers: B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike Recovery outside recovery limits

BRL Below Reporting Limit  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

**Reissue Date: 15-Feb-12**  
**Original Reported Date: 14-Feb-12**

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**VOLATILE ORGANIC COMPOUNDS - 8260B**

Analyst: ZC

	Prep Method:	Prep Date:				
2-Butanone	ND	111	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
2-Chloroethyl Vinyl Ether	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
2-Chlorotoluene	ND	111	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
2-Hexanone	ND	111	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
2-Methoxy-2-Methylbutane (TAME)	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
4-Chlorotoluene	ND	111	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
4-Isopropyltoluene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
4-Methyl-2-Pentanone	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Acetone	ND	111	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Acrylonitrile	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Benzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Bromobenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Bromochloromethane	ND	111	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Bromodichloromethane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Bromoform	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Bromomethane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Carbon Disulfide	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Carbon Tetrachloride	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Chlorobenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Chloroethane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Chloroform	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Chloromethane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
cis-1,2-Dichloroethene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
cis-1,3-Dichloropropene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Dibromochloromethane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Dibromomethane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Dichlorodifluoromethane	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Diethyl Ether	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Diisopropyl Ether	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Ethylbenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Ethyl-t-Butyl Ether	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Hexachlorobutadiene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Isopropylbenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Methyl Tert-Butyl Ether	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Methylene Chloride	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
Naphthalene	ND	111	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
n-Butylbenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
n-Propylbenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	
sec-Butylbenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 BRL Below Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

**Reissue Date:** 15-Feb-12  
**Original Reported Date:** 14-Feb-12

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**VOLATILE ORGANIC COMPOUNDS - 8260B**

**Analyst:** ZC

Prep Method:		Prep Date:			
Styrene	ND	111	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
tert-Butylbenzene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
Tetrachloroethene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
Tetrahydrofuran	ND	111	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
Toluene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
trans-1,2-Dichloroethene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
trans-1,3-Dichloropropene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
Trichloroethene	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
Trichlorofluoromethane	ND	111	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
Vinyl Chloride	ND	44.2	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
Xylenes, Total	ND	111	µg/Kg-dry	0.84	2/12/2012 2:22:00 PM
Surr: 1,2-Dichloroethane-d4	101	70-130	%REC	0.84	2/12/2012 2:22:00 PM
Surr: 4-Bromofluorobenzene	113	70-130	%REC	0.84	2/12/2012 2:22:00 PM
Surr: Dibromofluoromethane	107	70-130	%REC	0.84	2/12/2012 2:22:00 PM
Surr: Toluene-d8	105	70-130	%REC	0.84	2/12/2012 2:22:00 PM

**SPECIFIC CONDUCTANCE - E120.1**

**Analyst:** JC

Prep Method:		Prep Date:			
Specific Conductance	200	1.00	µmhos/cm	1	2/10/2012

**Qualifiers:** B Analyte detected in the associated Method Blank      BRL Below Reporting Limit  
 E Value above quantitation range      H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits      ND Not Detected at the Reporting Limit  
 S Spike Recovery outside recovery limits

**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12

CLIENT: Lord Associates, Inc. Lab Order: 1202053  
Project: 1818

Lab ID: 1202053-007 Collection Date: 2/7/2012  
Client Sample ID: SP-26 Matrix: SOIL

Analyses Result Det. Limit Qual Units DF Date Analyzed

**PERCENT MOISTURE - 209A**

Analyst: Admir

Prep Method: Prep Date:

Percent Moisture 5.0 1.0 wt% 1 2/9/2012

**TOTAL PETROLEUM HYDROCARBONS - 8100M**

Analyst: Jsi

Prep Method: (8100M) Prep Date: 2/13/2012 9:24:48 AM

Total Petroleum Hydrocarbons ND 52.6 mg/Kg-dry 1 2/13/2012  
Surr: o-Terphenyl 104 40-140 %REC 1 2/13/2012

**POLYCHLORINATED BIPHENYLS - SW8082A**

Analyst: Jsi

Prep Method: (SW3545A) Prep Date: 2/10/2012 9:53:20 AM

Aroclor 1016 ND 52.6 µg/Kg-dry 1 2/13/2012  
Aroclor 1221 ND 52.6 µg/Kg-dry 1 2/13/2012  
Aroclor 1232 ND 52.6 µg/Kg-dry 1 2/13/2012  
Aroclor 1242 ND 52.6 µg/Kg-dry 1 2/13/2012  
Aroclor 1248 ND 52.6 µg/Kg-dry 1 2/13/2012  
Aroclor 1254 ND 52.6 µg/Kg-dry 1 2/13/2012  
Aroclor 1260 ND 52.6 µg/Kg-dry 1 2/13/2012  
Surr: Decachlorobiphenyl Sig 1 81.8 30-150 %REC 1 2/13/2012  
Surr: Decachlorobiphenyl Sig 2 81.8 30-150 %REC 1 2/13/2012  
Surr: Tetrachloro-m-Xylene Sig 1 96.2 30-150 %REC 1 2/13/2012  
Surr: Tetrachloro-m-Xylene Sig 2 90.1 30-150 %REC 1 2/13/2012

**TOTAL METALS BY ICP - SW6010C**

Analyst: QS

Prep Method: (SW3050B) Prep Date: 2/10/2012 4:50:00 PM

Arsenic ND 5.23 mg/Kg-dry 1 2/13/2012  
Barium 13.0 5.23 mg/Kg-dry 1 2/13/2012  
Cadmium ND 1.05 mg/Kg-dry 1 2/13/2012  
Chromium 5.44 5.23 mg/Kg-dry 1 2/13/2012  
Lead 6.06 5.23 mg/Kg-dry 1 2/13/2012  
Selenium ND 5.23 mg/Kg-dry 1 2/13/2012

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit  
E Value above quantitation range H Holding times for preparation or analysis exceeded  
J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit  
S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811



## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12

CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## TOTAL METALS BY ICP - SW6010C

Analyst: QS

Prep Method: (SW3050B) Prep Date: 2/10/2012 4:50:00 PM

Silver	ND	5.23	mg/Kg-dry	1	2/13/2012
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## MERCURY - SW7471B

Analyst: EC

Prep Method: (SW7471B) Prep Date: 2/10/2012 4:55:09 PM

Mercury	ND	0.0874	mg/Kg-dry	1	2/10/2012
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## SEMIVOLATILE ORGANICS - SW8270D

Analyst: ZYZ

Prep Method: (SW3545A) Prep Date: 2/13/2012 11:40:33 AM

1,1'-Biphenyl	ND	10.5	µg/Kg-dry	1	2/13/2012 5:39:00 PM
1,2,4-Trichlorobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
1,2-Dichlorobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
1,2-Dinitrobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
1,3-Dichlorobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
1,3-Dinitrobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
1,4-Dichlorobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
1,4-Dinitrobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
2,3,4,6-Tetrachlorophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
2,4,5-Trichlorophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
2,4,6-Trichlorophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
2,4-Dichlorophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
2,4-Dimethylphenol	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
2,4-Dinitrophenol	ND	526	µg/Kg-dry	1	2/13/2012 5:39:00 PM
2,4-Dinitrotoluene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
2,6-Dinitrotoluene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
2-Chloronaphthalene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
2-Chlorophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
2-Methylnaphthalene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
2-Methylphenol	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
2-Nitroaniline	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
2-Nitrophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
3,3'-Dichlorobenzidine	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
3-Methylphenol/4-Methylphenol	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
3-Nitroaniline	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
4,6-Dinitro-2-Methylphenol	ND	526	µg/Kg-dry	1	2/13/2012 5:39:00 PM
4-Bromophenyl Phenyl Ether	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
4-Chloro-3-Methylphenol	ND	526	µg/Kg-dry	1	2/13/2012 5:39:00 PM

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit  
E Value above quantitation range H Holding times for preparation or analysis exceeded  
J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit  
S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## SEMIVOLATILE ORGANICS - SW8270D

Analyst: ZYZ

Prep Method: (SW3545A)

Prep Date: 2/13/2012 11:40:33 AM

4-Chloroaniline	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
4-Chlorophenyl Phenyl Ether	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
4-Nitroaniline	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
4-Nitrophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Acenaphthene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Acenaphthylene	162	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Acetophenone	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Aniline	ND	526	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Anthracene	167	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Azobenzene	ND	526	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Benz(a)Anthracene	361	10.5	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Benzo(a)Pyrene	367	10.5	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Benzo(b)Fluoranthene	385	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Benzo(g,h,i)Perylene	191	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Benzo(k)Fluoranthene	254	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Benzyl Alcohol	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Bis(2-Chloroethoxy)Methane	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Bis(2-Chloroethyl)Ether	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Bis(2-Chloroisopropyl)Ether	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Bis(2-Ethylhexyl)Phthalate	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Butyl Benzyl Phthalate	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Carbazole	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Chrysene	398	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Dibenz(a,h)Anthracene	ND	10.5	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Dibenzofuran	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Diethyl Phthalate	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Dimethyl Phthalate	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Di-n-Butyl Phthalate	ND	526	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Di-n-Octyl Phthalate	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Fluoranthene	771	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Fluorene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Hexachlorobenzene	ND	10.5	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Hexachlorobutadiene	ND	10.5	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Hexachlorocyclopentadiene	ND	526	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Hexachloroethane	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Indeno(1,2,3-cd)Pyrene	176	10.5	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Isophorone	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Naphthalene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Nitrobenzene	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM

Qualifiers: B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## SEMIVOLATILE ORGANICS - SW8270D

Analyst: ZYZ

Prep Method: (SW3545A)

Prep Date: 2/13/2012 11:40:33 AM

Compound	Result	Concentration	Unit	Count	Time
N-Nitrosodimethylamine	ND	526	µg/Kg-dry	1	2/13/2012 5:39:00 PM
N-Nitrosodi-n-Propylamine	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
N-Nitrosodiphenylamine	ND	526	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Pentachlorophenol	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Phenanthrene	112	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Phenol	ND	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Pyrene	837	105	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Pyridine	ND	526	µg/Kg-dry	1	2/13/2012 5:39:00 PM
Surr: 2,4,6-Tribromophenol	76.1	30-130	%REC	1	2/13/2012 5:39:00 PM
Surr: 2-Fluorobiphenyl	64.0	30-130	%REC	1	2/13/2012 5:39:00 PM
Surr: 2-Fluorophenol	67.2	30-130	%REC	1	2/13/2012 5:39:00 PM
Surr: Nitrobenzene-d5	64.1	30-130	%REC	1	2/13/2012 5:39:00 PM
Surr: Phenol-d6	67.0	30-130	%REC	1	2/13/2012 5:39:00 PM
Surr: Terphenyl-d14	66.2	30-130	%REC	1	2/13/2012 5:39:00 PM

## VOLATILE ORGANIC COMPOUNDS - 8260B

Analyst: ZC

Prep Method:

Prep Date:

Compound	Result	Concentration	Unit	Count	Time
1,1,1,2-Tetrachloroethane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,1,1-Trichloroethane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,1,2,2-Tetrachloroethane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,1,2-Trichloroethane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,1-Dichloroethane	ND	93.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,1-Dichloroethene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,1-Dichloropropene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,2,3-Trichlorobenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,2,4-Trichlorobenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,2,4-Trimethylbenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,2-Dibromo-3-Chloropropane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,2-Dibromoethane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,2-Dichlorobenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,2-Dichloroethane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,2-Dichloropropane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,3,5-Trimethylbenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,3-Dichlorobenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,3-Dichloropropane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,4-Dichlorobenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
1,4-Dioxane	ND	7470	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
2,2-Dichloropropane	ND	93.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

## ANALYTICAL REPORT

Reissue Date: 15-Feb-12  
Original Reported Date: 14-Feb-12CLIENT: Lord Associates, Inc.  
Project: 1818

Lab Order: 1202053

## VOLATILE ORGANIC COMPOUNDS - 8260B

Analyst: ZC

Prep Method:		Prep Date:			
2-Butanone	ND	93.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
2-Chloroethyl Vinyl Ether	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
2-Chlorotoluene	ND	93.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
2-Hexanone	ND	93.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
2-Methoxy-2-Methylbutane (TAME)	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
4-Chlorotoluene	ND	93.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
4-Isopropyltoluene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
4-Methyl-2-Pentanone	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Acetone	ND	93.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Acrylonitrile	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Benzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Bromobenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Bromochloromethane	ND	93.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Bromodichloromethane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Bromoform	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Bromomethane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Carbon Disulfide	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Carbon Tetrachloride	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Chlorobenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Chloroethane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Chloroform	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Chloromethane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
cis-1,2-Dichloroethene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
cis-1,3-Dichloropropene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Dibromochloromethane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Dibromomethane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Dichlorodifluoromethane	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Diethyl Ether	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Diisopropyl Ether	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Ethylbenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Ethyl-t-Butyl Ether	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Hexachlorobutadiene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Isopropylbenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Methyl Tert-Butyl Ether	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Methylene Chloride	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Naphthalene	ND	93.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
n-Butylbenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
n-Propylbenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
sec-Butylbenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**ANALYTICAL REPORT**

**Reissue Date: 15-Feb-12**  
**Original Reported Date: 14-Feb-12**

**CLIENT:** Lord Associates, Inc.  
**Project:** 1818

**Lab Order:** 1202053

**VOLATILE ORGANIC COMPOUNDS - 8260B**

Analyst: ZC

Prep Method:		Prep Date:			
Styrene	ND	93.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
tert-Butylbenzene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Tetrachloroethene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Tetrahydrofuran	ND	93.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Toluene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
trans-1,2-Dichloroethene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
trans-1,3-Dichloropropene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Trichloroethene	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Trichlorofluoromethane	ND	93.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Vinyl Chloride	ND	37.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Xylenes, Total	ND	93.4	µg/Kg-dry	0.71	2/12/2012 2:54:00 PM
Surr: 1,2-Dichloroethane-d4	98.1	70-130	%REC	0.71	2/12/2012 2:54:00 PM
Surr: 4-Bromofluorobenzene	114	70-130	%REC	0.71	2/12/2012 2:54:00 PM
Surr: Dibromofluoromethane	96.5	70-130	%REC	0.71	2/12/2012 2:54:00 PM
Surr: Toluene-d8	113	70-130	%REC	0.71	2/12/2012 2:54:00 PM

**SPECIFIC CONDUCTANCE - E120.1**

Analyst: JC

Prep Method:		Prep Date:			
Specific Conductance	128	1.00	µmhos/cm	1	2/10/2012

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

# ANALYTICAL QC SUMMARY REPORT

Date: 15-Feb-12

CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 6010C\_S

Sample ID: MBLK-19795	SampType: MBLK	TestCode: 6010C_S	Units: mg/Kg	Prep Date: 2/10/2012	RunNo: 44553						
Client ID: ZZZZZ	Batch ID: 19795	TestNo: SW6010C	(SW3050B)	Analysis Date: 2/13/2012	SeqNo: 507686						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	5.00									
Arsenic	ND	5.00									
Barium	ND	5.00									
Beryllium	ND	1.50									
Cadmium	ND	1.00									
Chromium	ND	5.00									
Copper	ND	5.00									
Lead	ND	5.00									
Nickel	ND	5.00									
Selenium	ND	5.00									
Silver	ND	5.00									
Thallium	ND	1.50									
Zinc	ND	5.00									

Sample ID: LCS-19795	SampType: LCS	TestCode: 6010C_S	Units: mg/Kg	Prep Date: 2/10/2012	RunNo: 44553						
Client ID: ZZZZZ	Batch ID: 19795	TestNo: SW6010C	(SW3050B)	Analysis Date: 2/13/2012	SeqNo: 507684						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	120.7	5.00	133.3	0.8667	89.9	80	120				
Arsenic	124.0	5.00	133.3	0	93.0	80	120				
Barium	62.00	5.00	66.67	0	93.0	80	120				
Beryllium	128.7	1.50	133.3	0	96.5	80	120				
Cadmium	120.7	1.00	133.3	0	90.5	80	120				
Chromium	124.7	5.00	133.3	0	93.5	80	120				
Copper	126.7	5.00	133.3	0.4	94.7	80	120				
Lead	120.7	5.00	133.3	0	90.5	80	120				

**Qualifiers:** BRL Below Reporting Limit      E Value above quantitation range      H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits      ND Not Detected at the Reporting Limit      R RPD outside recovery limits  
 S Spike Recovery outside recovery limits

**GeoLabs, Inc.**  
 45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 6010C\_S

Sample ID: LCS-19795    SampType: LCS    TestCode: 6010C\_S    Units: mg/Kg    Prep Date: 2/10/2012    RunNo: 44553  
 Client ID: ZZZZ    Batch ID: 19795    TestNo: SW6010C    (SW3050B)    Analysis Date: 2/13/2012    SeqNo: 507684

Analyte	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	5.00	133.3	0	92.5	80	120				
Selenium	5.00	133.3	0	90.0	80	120				
Silver	5.00	33.33	0	93.2	80	120				
Thallium	1.50	133.3	0	89.0	80	120				
Zinc	5.00	133.3	1,133	91.2	80	120				

Sample ID: LCSD-19795    SampType: LCSD    TestCode: 6010C\_S    Units: mg/Kg    Prep Date: 2/10/2012    RunNo: 44553  
 Client ID: ZZZZ    Batch ID: 19795    TestNo: SW6010C    (SW3050B)    Analysis Date: 2/13/2012    SeqNo: 507685

Analyte	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.00	133.3	0.8667	89.9	80	120	120.7	0	30	
Arsenic	5.00	133.3	0	93.0	80	120	124	0	30	
Barium	5.00	66.67	0	95.0	80	120	62	2.13	30	
Beryllium	1.50	133.3	0	96.5	80	120	128.7	0	30	
Cadmium	1.00	133.3	0	90.0	80	120	120.7	0.554	30	
Chromium	5.00	133.3	0	93.5	80	120	124.7	0	30	
Copper	5.00	133.3	0.4	94.7	80	120	126.7	0	30	
Lead	5.00	133.3	0	90.5	80	120	120.7	0	30	
Nickel	5.00	133.3	0	92.5	80	120	123.3	0	30	
Selenium	5.00	133.3	0	90.0	80	120	120	0	30	
Silver	5.00	33.33	0	92.4	80	120	31.07	0.862	30	
Thallium	1.50	133.3	0	89.5	80	120	118.7	0.560	30	
Zinc	5.00	133.3	1,133	91.7	80	120	122.7	0.542	30	

Qualifiers: BRL Below Reporting Limit    E Value above quantitation range    H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits    ND Not Detected at the Reporting Limit    R RPD outside recovery limits  
 S Spike Recovery outside recovery limits

GeoLabs, Inc.  
 45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 8082A\_S\_ASE

Sample ID: MB-19791	SampType: mb1k	TestCode: 8082A_S_AS	Units: µg/Kg	Prep Date: 2/10/2012	RunNo: 44550						
Client ID: ZZZZZ	Batch ID: 19791	TestNo: SW8082	(SW3545A)	Analysis Date: 2/13/2012	SeqNo: 507804						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	ND	50.0									
Aroclor 1221	ND	50.0									
Aroclor 1232	ND	50.0									
Aroclor 1242	ND	50.0									
Aroclor 1248	ND	50.0									
Aroclor 1254	ND	50.0									
Aroclor 1260	ND	50.0									
Surr: Decachlorobiphenyl Sig 1	82.81	0	100	0	82.8	30	150				
Surr: Decachlorobiphenyl Sig 2	86.53	0	100	0	86.5	30	150				
Surr: Tetrachloro-m-Xylene Sig 1	97.57	0	100	0	97.6	30	150				
Surr: Tetrachloro-m-Xylene Sig 2	94.78	0	100	0	94.8	30	150				

Sample ID: LCS-19791	SampType: Lcs	TestCode: 8082A_S_AS	Units: µg/Kg	Prep Date: 2/10/2012	RunNo: 44550						
Client ID: ZZZZZ	Batch ID: 19791	TestNo: SW8082	(SW3545A)	Analysis Date: 2/13/2012	SeqNo: 507805						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	90.65	50.0	100	0	90.6	40	140				
Aroclor 1260	81.23	50.0	100	0	81.2	40	140				
Surr: Decachlorobiphenyl Sig 1	85.57	0	100	0	85.6	30	150				
Surr: Decachlorobiphenyl Sig 2	85.10	0	100	0	85.1	30	150				
Surr: Tetrachloro-m-Xylene Sig 1	92.04	0	100	0	92.0	30	150				
Surr: Tetrachloro-m-Xylene Sig 2	94.55	0	100	0	94.5	30	150				

Sample ID: LCS#2-19791	SampType: Lcsd	TestCode: 8082A_S_AS	Units: µg/Kg	Prep Date: 2/10/2012	RunNo: 44550						
Client ID: ZZZZZ	Batch ID: 19791	TestNo: SW8082	(SW3545A)	Analysis Date: 2/13/2012	SeqNo: 507806						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits

E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811



**CLIENT:** Lord Associates, Inc.  
**Work Order:** 1202053  
**Project:** 1818

**TestCode:** 8082A\_S\_ASE

Sample ID: LCS#2-19791	SampType: Lcsd	TestCode: 8082A_S_AS	Units: µg/Kg	Prep Date: 2/10/2012	RunNo: 44550						
Client ID: ZZZZ	Batch ID: 19791	TestNo: SW8082	(SW3545A)	Analysis Date: 2/13/2012	SeqNo: 507806						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	92.66	50.0	100	0	92.7	40	140	90.65	2.20	30	
Aroclor 1260	84.67	50.0	100	0	84.7	40	140	81.23	4.15	30	
Surr: Decachlorobiphenyl Sig 1	89.10	0	100	0	89.1	30	150	0	0	0	
Surr: Decachlorobiphenyl Sig 2	87.27	0	100	0	87.3	30	150	0	0	0	
Surr: Tetrachloro-m-Xylene Sig 1	96.07	0	100	0	96.1	30	150	0	0	0	
Surr: Tetrachloro-m-Xylene Sig 2	96.34	0	100	0	96.3	30	150	0	0	0	

**Qualifiers:** BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.

Work Order: 1202053

Project: 1818

TestCode: 8260B\_S\_MCP

Sample ID: MB	SampType: MBLK	TestCode: 8260B_S_MC	Units: µg/Kg	Prep Date:	RunNo: 44549						
Client ID: ZZZZ	Batch ID: R44549	TestNo: SW8260B		Analysis Date: 2/12/2012	SeqNo: 507628						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	50.0									
1,1,1-Trichloroethane	ND	50.0									
1,1,2,2-Tetrachloroethane	ND	50.0									
1,1,2-Trichloroethane	ND	50.0									
1,1-Dichloroethane	ND	125									
1,1-Dichloroethene	ND	50.0									
1,1-Dichloropropene	ND	50.0									
1,2,3-Trichlorobenzene	ND	50.0									
1,2,4-Trichlorobenzene	ND	50.0									
1,2,4-Trimethylbenzene	ND	50.0									
1,2-Dibromo-3-Chloropropane	ND	50.0									
1,2-Dibromoethane	ND	50.0									
1,2-Dichlorobenzene	ND	50.0									
1,2-Dichloroethane	ND	50.0									
1,2-Dichloropropane	ND	50.0									
1,3,5-Trimethylbenzene	ND	50.0									
1,3-Dichlorobenzene	ND	50.0									
1,3-Dichloropropane	ND	50.0									
1,4-Dichlorobenzene	ND	50.0									
1,4-Dioxane	ND	10000									
2,2-Dichloropropane	ND	125									
2-Butanone	ND	125									
2-Chloroethyl Vinyl Ether	ND	50.0									
2-Chlorotoluene	ND	125									
2-Hexanone	ND	125									
2-Methoxy-2-Methylbutane (TAME)	ND	50.0									
4-Chlorotoluene	ND	125									
4-Isopropyltoluene	ND	50.0									

Qualifiers: BRL Below Reporting Limit

J Analyte detected below quantitation limits

S Spike Recovery outside recovery limits

E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.

Work Order: 1202053

Project: 1818

TestCode: 8260B\_S\_MCP

Sample ID: MB      SampType: MBLK      TestCode: 8260B\_S\_MC      Units: µg/Kg      Prep Date:      RunNo: 44549  
Client ID: ZZZZZ      Batch ID: R44549      TestNo: SW8260B      Analysis Date: 2/12/2012      SeqNo: 507628

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Methyl-2-Pentanone	ND	50.0									
Acetone	ND	125									
Acrylonitrile	ND	50.0									
Benzene	ND	50.0									
Bromobenzene	ND	50.0									
Bromochloromethane	ND	125									
Bromodichloromethane	ND	50.0									
Bromoform	ND	50.0									
Bromomethane	ND	50.0									
Carbon Disulfide	ND	50.0									
Carbon Tetrachloride	ND	50.0									
Chlorobenzene	ND	50.0									
Chloroethane	ND	50.0									
Chloroform	ND	50.0									
Chloromethane	ND	50.0									
cis-1,2-Dichloroethene	ND	50.0									
cis-1,3-Dichloropropene	ND	50.0									
Dibromochloromethane	ND	50.0									
Dibromomethane	ND	50.0									
Dichlorodifluoromethane	ND	50.0									
Diethyl Ether	ND	50.0									
Diisopropyl Ether	ND	50.0									
Ethylbenzene	ND	50.0									
Ethyl-t-Butyl Ether	ND	50.0									
Hexachlorobutadiene	ND	50.0									
Isopropylbenzene	ND	50.0									
Methyl Tert-Butyl Ether	ND	50.0									
Methylene Chloride	ND	50.0									

Qualifiers: BRL Below Reporting Limit      E Value above quantitation range      H Holding times for preparation or analysis exceeded  
J Analyte detected below quantitation limits      ND Not Detected at the Reporting Limit      R RPD outside recovery limits  
S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**CLIENT:** Lord Associates, Inc.  
**Work Order:** 1202053  
**Project:** 1818

**TestCode:** 8260B\_S\_MCP

Sample ID: MB	SampType: MBLK	TestCode: 8260B_S_MC	Units: µg/Kg	Prep Date:	RunNo: 44549						
Client ID: ZZZZ	Batch ID: R44549	TestNo: SW8260B		Analysis Date: 2/12/2012	SeqNo: 507628						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Naphthalene	ND	125									
n-Butylbenzene	ND	50.0									
n-Propylbenzene	ND	50.0									
sec-Butylbenzene	ND	50.0									
Styrene	ND	125									
tert-Butylbenzene	ND	50.0									
Tetrachloroethene	ND	50.0									
Tetrahydrofuran	ND	125									
Toluene	ND	50.0									
trans-1,2-Dichloroethene	ND	50.0									
trans-1,3-Dichloropropene	ND	50.0									
Trichloroethene	ND	50.0									
Trichlorofluoromethane	ND	125									
Vinyl Chloride	ND	50.0									
Xylenes, Total	ND	125									
Surr: 1,2-Dichloroethane-d4	755.5	0	750	0	101	70	130				
Surr: 4-Bromofluorobenzene	821.5	0	750	0	110	70	130				
Surr: Dibromofluoromethane	731.5	0	750	0	97.5	70	130				
Surr: Toluene-d8	830.2	0	750	0	111	70	130				

Sample ID: LCS	SampType: LCS	TestCode: 8260B_S_MC	Units: µg/Kg	Prep Date:	RunNo: 44549						
Client ID: ZZZZ	Batch ID: R44549	TestNo: SW8260B		Analysis Date: 2/12/2012	SeqNo: 507626						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1,2-Tetrachloroethane	1262	50.0	1250	0	101	70	130				
1,1,1-Trichloroethane	1235	50.0	1250	0	98.8	70	130				
1,1,2,2-Tetrachloroethane	1183	50.0	1250	0	94.7	70	130				

**Qualifiers:** BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 8260B\_S\_MCP

Sample ID: LCS	SampType: LCS	TestCode: 8260B_S_MC	Units: µg/Kg	Prep Date:	RunNo: 44549						
Client ID: ZZZZ	Batch ID: R44549	TestNo: SW8260B		Analysis Date: 2/12/2012	SeqNo: 507626						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	1216	50.0	1250	0	97.3	70	130				
1,1-Dichloroethane	1226	125	1250	0	98.1	70	130				
1,1-Dichloroethene	1283	50.0	1250	0	103	70	130				
1,1-Dichloropropene	1305	50.0	1250	0	104	70	130				
1,2,3-Trichlorobenzene	931.0	50.0	1250	0	74.5	70	130				
1,2,4-Trichlorobenzene	1087	50.0	1250	0	87.0	70	130				
1,2,4-Trimethylbenzene	1327	50.0	1250	0	106	70	130				
1,2-Dibromo-3-Chloropropane	1121	50.0	1250	0	89.7	70	130				
1,2-Dibromoethane	1116	50.0	1250	0	89.3	70	130				
1,2-Dichlorobenzene	1273	50.0	1250	0	102	70	130				
1,2-Dichloroethane	1107	50.0	1250	0	88.5	70	130				
1,2-Dichloropropane	1287	50.0	1250	0	103	70	130				
1,3,5-Trimethylbenzene	1430	50.0	1250	0	114	70	130				
1,3-Dichlorobenzene	1315	50.0	1250	0	105	70	130				
1,3-Dichloropropane	1243	50.0	1250	0	99.4	70	130				
1,4-Dichlorobenzene	1194	50.0	1250	0	95.6	70	130				
2,2-Dichloropropane	1324	125	1250	0	106	70	130				
2-Butanone	1232	125	1250	0	98.6	70	130				
2-Chloroethyl Vinyl Ether	1608	50.0	1250	0	129	70	130				
2-Chlorotoluene	1454	125	1250	0	116	70	130				
2-Hexanone	1508	125	1250	0	121	70	130				
2-Methoxy-2-Methylbutane (TAME)	1064	50.0	1250	0	85.1	70	130				
4-Chlorotoluene	1389	125	1250	0	111	70	130				
4-Isopropyltoluene	1467	50.0	1250	0	117	70	130				
4-Methyl-2-Pentanone	1258	50.0	1250	0	101	70	130				
Acetone	1613	125	1250	0	129	70	130				
Acrylonitrile	2340	50.0	2500	0	93.6	70	130				
Benzene	1332	50.0	1250	0	107	70	130				

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 8260B\_S\_MCP

Sample ID: LCS	SampType: LCS	TestCode: 8260B_S_MC	Units: µg/Kg	Prep Date:	RunNo: 44549						
Client ID: ZZZZ	Batch ID: R44549	TestNo: SW8260B		Analysis Date: 2/12/2012	SeqNo: 507626						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Bromobenzene	1307	50.0	1250	0	105	70	130				
Bromochloromethane	1150	125	1250	0	92.0	70	130				
Bromodichloromethane	1356	50.0	1250	0	109	70	130				
Bromoform	1191	50.0	1250	0	95.3	70	130				
Bromomethane	1727	50.0	1250	0	138	70	130				S
Carbon Disulfide	1305	50.0	1250	0	104	70	130				
Carbon Tetrachloride	1164	50.0	1250	0	93.2	70	130				
Chlorobenzene	1342	50.0	1250	0	107	70	130				
Chloroethane	1298	50.0	1250	0	104	70	130				
Chloroform	1267	50.0	1250	0	101	70	130				
Chloromethane	1279	50.0	1250	0	102	70	130				
cis-1,2-Dichloroethene	1224	50.0	1250	0	97.9	70	130				
cis-1,3-Dichloropropene	1128	50.0	1250	0	90.2	70	130				
Dibromochloromethane	1414	50.0	1250	0	113	70	130				
Dibromomethane	1151	50.0	1250	0	92.1	70	130				
Dichlorodifluoromethane	1080	50.0	1250	0	86.4	70	130				
Diethyl Ether	1068	50.0	1250	0	85.5	70	130				
Diisopropyl Ether	1156	50.0	1250	0	92.5	70	130				
Ethylbenzene	1428	50.0	1250	0	114	70	130				
Ethyl-t-Butyl Ether	1112	50.0	1250	0	89.0	70	130				
Hexachlorobutadiene	1401	50.0	1250	0	112	70	130				
Isopropylbenzene	1395	50.0	1250	0	112	70	130				
Methyl Tert-Butyl Ether	1030	50.0	1250	0	82.4	70	130				
Methylene Chloride	1094	50.0	1250	0	87.5	70	130				
Naphthalene	902.5	125	1250	0	72.2	70	130				
n-Butylbenzene	1369	50.0	1250	0	110	70	130				
n-Propylbenzene	1425	50.0	1250	0	114	70	130				
sec-Butylbenzene	1414	50.0	1250	0	113	70	130				

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 8260B\_S\_MCP

Sample ID: LCS	SampType: LCS	TestCode: 8260B_S_MC	Units: µg/Kg	Prep Date:	RunNo: 44549						
Client ID: ZZZZ	Batch ID: R44549	TestNo: SW8260B		Analysis Date: 2/12/2012	SeqNo: 507626						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Styrene	1340	125	1250	0	107	70	130				
tert-Butylbenzene	1366	50.0	1250	0	109	70	130				
Tetrachloroethene	1362	50.0	1250	0	109	70	130				
Tetrahydrofuran	1111	125	1250	0	88.9	70	130				
Toluene	1362	50.0	1250	0	109	70	130				
trans-1,2-Dichloroethene	1283	50.0	1250	0	103	70	130				
trans-1,3-Dichloropropene	1208	50.0	1250	0	96.7	70	130				
Trichloroethene	1257	50.0	1250	0	101	70	130				
Trichlorofluoromethane	1226	125	1250	0	98.1	70	130				
Vinyl Chloride	1118	50.0	1250	0	89.4	70	130				
Xylenes, Total	4163	125	3750	0	111	70	130				
Surr: 1,2-Dichloroethane-d4	643.5	0	750	0	85.8	70	130				
Surr: 4-Bromofluorobenzene	854.5	0	750	0	114	70	130				
Surr: Dibromofluoromethane	772.8	0	750	0	103	70	130				
Surr: Toluene-d8	793.0	0	750	0	106	70	130				

Sample ID: LCSD	SampType: LCSD	TestCode: 8260B_S_MC	Units: µg/Kg	Prep Date:	RunNo: 44549						
Client ID: ZZZZ	Batch ID: R44549	TestNo: SW8260B		Analysis Date: 2/12/2012	SeqNo: 507627						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1,2-Tetrachloroethane	1358	50.0	1250	0	109	70	130	1262	7.29	30	
1,1,1-Trichloroethane	1384	50.0	1250	0	111	70	130	1235	11.3	30	
1,1,2,2-Tetrachloroethane	1247	50.0	1250	0	99.7	70	130	1183	5.23	30	
1,1,2-Trichloroethane	1198	50.0	1250	0	95.8	70	130	1216	1.53	30	
1,1-Dichloroethane	1492	125	1250	0	119	70	130	1226	19.6	30	
1,1-Dichloroethene	1376	50.0	1250	0	110	70	130	1283	6.94	30	
1,1-Dichloropropene	1516	50.0	1250	0	121	70	130	1305	15.0	30	

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 8260B\_S\_MCP

Sample ID: LCSD	SampType: LCSD	TestCode: 8260B_S_MC	Units: µg/Kg	Prep Date:	RunNo: 44549						
Client ID: ZZZZ	Batch ID: R44549	TestNo: SW8260B		Analysis Date: 2/12/2012	SeqNo: 507627						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichlorobenzene	1041	50.0	1250	0	83.3	70	130	931	11.1	30	
1,2,4-Trichlorobenzene	1068	50.0	1250	0	85.4	70	130	1087	1.79	30	
1,2,4-Trimethylbenzene	1312	50.0	1250	0	105	70	130	1327	1.19	30	
1,2-Dibromo-3-Chloropropane	1155	50.0	1250	0	92.4	70	130	1121	2.97	30	
1,2-Dibromoethane	1138	50.0	1250	0	91.1	70	130	1116	1.95	30	
1,2-Dichlorobenzene	1230	50.0	1250	0	98.4	70	130	1273	3.40	30	
1,2-Dichloroethane	1310	50.0	1250	0	105	70	130	1107	16.8	30	
1,2-Dichloropropane	1399	50.0	1250	0	112	70	130	1287	8.34	30	
1,3,5-Trimethylbenzene	1425	50.0	1250	0	114	70	130	1430	0.368	30	
1,3-Dichlorobenzene	1148	50.0	1250	0	91.8	70	130	1315	13.6	30	
1,3-Dichloropropane	1210	50.0	1250	0	96.8	70	130	1243	2.65	30	
1,4-Dichlorobenzene	1132	50.0	1250	0	90.5	70	130	1194	5.42	30	
2,2-Dichloropropane	1534	125	1250	0	123	70	130	1324	14.7	30	SR
2-Butanone	1753	125	1250	0	140	70	130	1232	34.9	30	
2-Chloroethyl Vinyl Ether	1529	50.0	1250	0	122	70	130	1608	5.01	30	
2-Chlorotoluene	1331	125	1250	0	106	70	130	1454	8.85	30	
2-Hexanone	1640	125	1250	0	131	70	130	1508	8.40	30	S
2-Methoxy-2-Methylbutane (TAME)	1279	50.0	1250	0	102	70	130	1064	18.4	30	
4-Chlorotoluene	1388	125	1250	0	111	70	130	1389	0.0900	30	
4-Isopropyltoluene	1268	50.0	1250	0	101	70	130	1467	14.6	30	
4-Methyl-2-Pentanone	1169	50.0	1250	0	93.5	70	130	1258	7.40	30	
Acetone	1729	125	1250	0	138	70	130	1613	6.96	30	S
Acrylonitrile	2686	50.0	2500	0	107	70	130	2340	13.8	30	
Benzene	1451	50.0	1250	0	116	70	130	1332	8.52	30	
Bromobenzene	1284	50.0	1250	0	103	70	130	1307	1.72	30	
Bromochloromethane	1268	125	1250	0	101	70	130	1150	9.72	30	
Bromodichloromethane	1424	50.0	1250	0	114	70	130	1356	4.84	30	
Bromoform	1100	50.0	1250	0	88.0	70	130	1191	7.90	30	

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811



CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 8260B\_S\_MCP

Sample ID: LCSD	SampType: LCSD	TestCode: 8260B_S_MC	Units: µg/Kg	Prep Date:	RunNo: 44549						
Client ID: ZZZZ	Batch ID: R44549	TestNo: SW8260B		Analysis Date: 2/12/2012	SeqNo: 507627						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	2054	50.0	1250	0	164	70	130	1727	17.3	30	S
Carbon Disulfide	1459	50.0	1250	0	117	70	130	1305	11.1	30	
Carbon Tetrachloride	1401	50.0	1250	0	112	70	130	1164	18.4	30	
Chlorobenzene	1250	50.0	1250	0	100	70	130	1342	7.12	30	
Chloroethane	1414	50.0	1250	0	113	70	130	1298	8.57	30	
Chloroform	1349	50.0	1250	0	108	70	130	1267	6.27	30	
Chloromethane	1371	50.0	1250	0	110	70	130	1279	6.92	30	
cis-1,2-Dichloroethene	1343	50.0	1250	0	107	70	130	1224	9.27	30	
cis-1,3-Dichloropropene	1238	50.0	1250	0	99.0	70	130	1128	9.30	30	
Dibromochloromethane	1355	50.0	1250	0	108	70	130	1414	4.24	30	
Dibromomethane	1226	50.0	1250	0	98.1	70	130	1151	6.29	30	
Dichlorodifluoromethane	1180	50.0	1250	0	94.4	70	130	1080	8.85	30	
Diethyl Ether	1235	50.0	1250	0	98.8	70	130	1068	14.5	30	
Diisopropyl Ether	1278	50.0	1250	0	102	70	130	1156	10.0	30	
Ethylbenzene	1337	50.0	1250	0	107	70	130	1428	6.55	30	
Ethyl-t-Butyl Ether	1296	50.0	1250	0	104	70	130	1112	15.3	30	
Hexachlorobutadiene	1413	50.0	1250	0	113	70	130	1401	0.817	30	
Isopropylbenzene	1333	50.0	1250	0	107	70	130	1395	4.53	30	
Methyl Tert-Butyl Ether	1172	50.0	1250	0	93.8	70	130	1030	12.9	30	
Methylene Chloride	1267	50.0	1250	0	101	70	130	1094	14.7	30	
Naphthalene	972.5	125	1250	0	77.8	70	130	902.5	7.47	30	
n-Butylbenzene	1312	50.0	1250	0	105	70	130	1369	4.29	30	
n-Propylbenzene	1496	50.0	1250	0	120	70	130	1425	4.83	30	
sec-Butylbenzene	1316	50.0	1250	0	105	70	130	1414	7.14	30	
Styrene	1357	125	1250	0	109	70	130	1340	1.22	30	
tert-Butylbenzene	1246	50.0	1250	0	99.6	70	130	1366	9.23	30	
Tetrachloroethene	1307	50.0	1250	0	105	70	130	1362	4.10	30	
Tetrahydrofuran	1093	125	1250	0	87.4	70	130	1111	1.68	30	

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 8260B\_S\_MCP

Sample ID: LCSD	SampType: LCSD	TestCode: 8260B_S_MC	Units: µg/Kg	Prep Date:	RunNo: 44549						
Client ID: ZZZZZ	Batch ID: R44549	TestNo: SW8260B		Analysis Date: 2/12/2012	SeqNo: 507627						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Toluene	1342	50.0	1250	0	107	70	130	1362	1.44	30	
trans-1,2-Dichloroethene	1460	50.0	1250	0	117	70	130	1283	12.9	30	
trans-1,3-Dichloropropene	1178	50.0	1250	0	94.3	70	130	1208	2.51	30	
Trichloroethene	1344	50.0	1250	0	108	70	130	1257	6.69	30	
Trichlorofluoromethane	1344	125	1250	0	107	70	130	1226	9.11	30	
Vinyl Chloride	1325	50.0	1250	0	106	70	130	1118	17.0	30	
Xylenes, Total	4140	125	3750	0	110	70	130	4163	0.560	30	
Surr: 1,2-Dichloroethane-d4	699.8	0	750	0	93.3	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	690.5	0	750	0	92.1	70	130	0	0	0	
Surr: Dibromofluoromethane	834.3	0	750	0	111	70	130	0	0	0	
Surr: Toluene-d8	787.3	0	750	0	105	70	130	0	0	0	

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.

Work Order: 1202053

Project: 1818

TestCode: 8270d\_s\_ase

Sample ID: MB-19802	SampType: mbik	TestCode: 8270d_s_ase	Units: µg/Kg	Prep Date: 2/13/2012	RunNo: 44563						
Client ID: ZZZZZ	Batch ID: 19802	TestNo: SW8270C	(SW3545A)	Analysis Date: 2/13/2012	SeqNo: 507755						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1'-Biphenyl	ND	10.0									
1,2,4-Trichlorobenzene	ND	100									
1,2-Dichlorobenzene	ND	100									
1,2-Dinitrobenzene	ND	100									
1,3-Dichlorobenzene	ND	100									
1,3-Dinitrobenzene	ND	100									
1,4-Dichlorobenzene	ND	100									
1,4-Dinitrobenzene	ND	100									
2,3,4,6-Tetrachlorophenol	ND	100									
2,4,5-Trichlorophenol	ND	100									
2,4,6-Trichlorophenol	ND	100									
2,4-Dichlorophenol	ND	100									
2,4-Dimethylphenol	ND	100									
2,4-Dinitrophenol	ND	500									
2,4-Dinitrotoluene	ND	100									
2,6-Dinitrotoluene	ND	100									
2-Chloronaphthalene	ND	100									
2-Chlorophenol	ND	100									
2-Methylnaphthalene	ND	100									
2-Methylphenol	ND	100									
2-Nitroaniline	ND	100									
2-Nitrophenol	ND	100									
3,3'-Dichlorobenzidine	ND	100									
3-Methylphenol/4-Methylphenol	ND	100									
3-Nitroaniline	ND	100									
4,6-Dinitro-2-Methylphenol	ND	500									
4-Bromophenyl Pheryl Ether	ND	100									
4-Chloro-3-Methylphenol	ND	500									

Qualifiers: BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside recovery limits  
E Value above quantitation range  
ND Not Detected at the Reporting Limit  
H Holding times for preparation or analysis exceeded  
R RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

**CLIENT:** Lord Associates, Inc.  
**Work Order:** 1202053  
**Project:** 1818

**TestCode:** 8270d\_s\_ase

Sample ID: MB-19802	SampType: mbik	TestCode: 8270d_s_ase	Units: µg/Kg	Prep Date: 2/13/2012	RunNo: 44563						
Client ID: ZZZZ	Batch ID: 19802	TestNo: SW8270C	(SW3545A)	Analysis Date: 2/13/2012	SeqNo: 507755						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloroaniline	ND	100									
4-Chlorophenyl Phenyl Ether	ND	100									
4-Nitroaniline	ND	100									
4-Nitrophenol	ND	100									
Acenaphthene	ND	100									
Acenaphthylene	ND	100									
Acetophenone	ND	100									
Aniline	ND	500									
Anthracene	ND	100									
Azobenzene	ND	500									
Benzo(a)Anthracene	ND	10.0									
Benzo(a)Pyrene	ND	10.0									
Benzo(b)Fluoranthene	ND	100									
Benzo(g,h,i)Perylene	ND	100									
Benzo(k)Fluoranthene	ND	100									
Benzyl Alcohol	ND	100									
Bis(2-Chloroethoxy)Methane	ND	100									
Bis(2-Chloroethyl)Ether	ND	100									
Bis(2-Chloroisopropyl)Ether	ND	100									
Bis(2-Ethylhexyl)Phthalate	ND	100									
Butyl Benzyl Phthalate	ND	100									
Carbazole	ND	100									
Chrysene	ND	100									
Dibenz(a,h)Anthracene	ND	10.0									
Dibenzofuran	ND	100									
Diethyl Phthalate	ND	100									
Dimethyl Phthalate	ND	100									
Di-n-Butyl Phthalate	ND	500									

**Qualifiers:** BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.  
 45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 8270d\_s\_ase

Sample ID: MB-19802	SampType: mblik	TestCode: 8270d_s_ase	Units: µg/Kg	Prep Date: 2/13/2012	RunNo: 44563						
Client ID: ZZZZ	Batch ID: 19802	TestNo: SW8270C	(SW3545A)	Analysis Date: 2/13/2012	SeqNo: 507755						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-n-Octyl Phthalate	ND	100									
Fluoranthene	ND	100									
Fluorene	ND	100									
Hexachlorobenzene	ND	10.0									
Hexachlorobutadiene	ND	10.0									
Hexachlorocyclopentadiene	ND	500									
Hexachloroethane	ND	100									
Indeno(1,2,3-cd)Pyrene	ND	10.0									
Isophorone	ND	100									
Naphthalene	ND	100									
Nitrobenzene	ND	100									
N-Nitrosodimethylamine	ND	500									
N-Nitrosodi-n-Propylamine	ND	100									
N-Nitrosodiphenylamine	ND	500									
PentachlorophenoI	ND	100									
Phenanthrene	ND	100									
Phenol	ND	100									
Pyrene	ND	100									
Pyridine	ND	500									
Surr: 2,4,6-Tribromophenol	5514	0	7500	0	73.5	30	130				
Surr: 2-Fluorobiphenyl	3906	0	5000	0	78.1	30	130				
Surr: 2-Fluorophenol	7258	0	7500	0	96.8	30	130				
Surr: Nitrobenzene-d5	4214	0	5000	0	84.3	30	130				
Surr: Phenol-d6	6602	0	7500	0	88.0	30	130				
Surr: Terphenyl-d14	3515	0	5000	0	70.3	30	130				

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.  
 45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 8270d\_s\_ase

Sample ID: LCS-19802	Batch ID: 19802	SampType: LCS	TestCode: 8270D_S_AS	Units: µg/Kg	Prep Date: 2/13/2012	RunNo: 44563					
Client ID: ZZZZZ	Batch ID: 19802	Batch ID: 19802	TestNo: SW8270C	(SW3545A)	Analysis Date: 2/13/2012	SeqNo: 507756					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	1742	100	2500	0	69.7	40	140				
1,2-Dichlorobenzene	1968	100	2500	0	78.7	40	140				
1,2-Dinitrobenzene	2861	100	2500	0	114	40	140				
1,3-Dichlorobenzene	1696	100	2500	0	67.8	40	140				
1,3-Dinitrobenzene	1914	100	2500	0	76.6	40	140				
1,4-Dichlorobenzene	2106	100	2500	0	84.2	40	140				
1,4-Dinitrobenzene	2049	100	2500	0	82.0	40	140				
2,3,4,6-Tetrachlorophenol	1463	100	2500	0	58.5	30	130				
2,4,5-Trichlorophenol	2122	100	2500	0	84.9	30	130				
2,4,6-Trichlorophenol	1689	100	2500	0	67.6	30	130				
2,4-Dichlorophenol	1754	100	2500	0	70.1	30	130				
2,4-Dimethylphenol	2035	100	2500	0	81.4	30	130				
2,4-Dinitrophenol	1062	500	2500	0	42.5	30	130				
2,4-Dinitrotoluene	2004	100	2500	0	80.1	40	140				
2,6-Dinitrotoluene	1890	100	2500	0	75.6	40	140				
2-Chloronaphthalene	1970	100	2500	0	78.8	40	140				
2-Chlorophenol	2036	100	2500	0	81.4	30	130				
2-Methylnaphthalene	1748	100	2500	0	69.9	40	140				
2-Methylphenol	1928	100	2500	0	77.1	30	130				
2-Nitroaniline	2601	100	2500	0	104	40	130				
2-Nitrophenol	1716	100	2500	0	68.6	30	130				
3,3'-Dichlorobenzidine	963.5	100	2500	0	38.5	40	140				S
3-Methylphenol/4-Methylphenol	1897	100	2500	0	75.9	30	130				
3-Nitroaniline	1904	100	2500	0	76.2	40	140				
4,6-Dinitro-2-Methylphenol	1225	500	2500	0	49.0	30	130				
4-Bromophenyl Phenyl Ether	1914	100	2500	0	76.5	40	140				
4-Chloro-3-Methylphenol	1880	500	2500	0	75.2	30	130				
4-Chloroaniline	1046	100	2500	0	41.8	40	140				

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 8270d\_s\_ase

Sample ID: ICS-19802	SampType: LCS	TestCode: 8270D_S_AS	Units: µg/Kg	Prep Date: 2/13/2012	RunNo: 44563						
Client ID: ZZZZ	Batch ID: 19802	TestNo: SW8270C	(SW3545A)	Analysis Date: 2/13/2012	SeqNo: 507756						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HightLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorophenyl Phenyl Ether	1888	100	2500	0	75.5	40	140				
4-Nitroaniline	1908	100	2500	0	76.3	40	140				
4-Nitrophenol	2252	100	2500	0	90.1	30	130				
Acenaphthene	1910	100	2500	0	76.4	40	140				
Acenaphthylene	2060	100	2500	0	82.4	40	140				
Acetophenone	1966	100	2500	0	78.6	40	140				
Aniline	ND	500	2500	0	16.0	40	140				S
Anthracene	1922	100	2500	0	76.9	40	140				
Azobenzene	2693	500	2500	0	108	40	140				
Benz(a)Anthracene	1859	10.0	2500	0	74.4	40	140				
Benzo(a)Pyrene	1838	10.0	2500	0	73.5	40	140				
Benzo(b)Fluoranthene	1274	100	2500	0	51.0	40	140				
Benzo(g,h,i)Perylene	2210	100	2500	0	88.4	40	140				
Benzo(k)Fluoranthene	2448	100	2500	0	97.9	40	140				
Benzyl Alcohol	1894	100	2500	0	75.8	40	140				
Bis(2-Chloroethoxy)Methane	2057	100	2500	0	82.3	40	140				
Bis(2-Chloroethyl)Ether	2178	100	2500	0	87.1	40	140				
Bis(2-Chloroisopropyl)Ether	2418	100	2500	0	96.7	40	140				
Bis(2-Ethylhexyl)Phthalate	1958	100	2500	0	78.3	40	140				
Butyl Benzyl Phthalate	1910	100	2500	0	76.4	40	140				
Carbazole	1734	100	2500	0	69.4	40	140				
Chrysene	1925	100	2500	0	77.0	40	140				
Dibenz(a,h)Anthracene	2154	10.0	2500	0	86.1	40	140				
Dibenzofuran	1858	100	2500	0	74.3	40	140				
Diethyl Phthalate	1772	100	2500	0	70.9	40	140				
Dimethyl Phthalate	1748	100	2500	0	69.9	40	140				
Di-n-Butyl Phthalate	1838	500	2500	0	73.5	40	140				
Di-n-Octyl Phthalate	1962	100	2500	0	78.5	40	140				

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 8270d\_s\_ase

Sample ID: Ics-19802	SampType: LCS	TestCode: 8270D_S_AS	Units: µg/Kg	Prep Date: 2/13/2012	RunNo: 44563						
Client ID: ZZZZ	Batch ID: 19802	TestNo: SW8270C	(SW3545A)	Analysis Date: 2/13/2012	SeqNo: 507756						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoranthene	1936	100	2500	0	77.5	40	140				
Fluorene	1919	100	2500	0	76.7	40	140				
Hexachlorobenzene	1943	10.0	2500	0	77.7	40	140				
Hexachlorobutadiene	2255	10.0	2500	0	90.2	40	140				
Hexachlorocyclopentadiene	2256	500	2500	0	90.3	40	140				
Hexachloroethane	2186	100	2500	0	87.4	40	140				
Indeno(1,2,3-cd)Pyrene	2092	10.0	2500	0	83.7	40	140				
Isophorone	2234	100	2500	0	89.4	40	140				
Naphthalene	2298	100	2500	0	91.9	40	140				
Nitrobenzene	2061	100	2500	0	82.4	40	140				
N-Nitrosodimethylamine	1312	500	2500	0	52.5	40	140				
N-Nitrosodi-n-Propylamine	2001	100	2500	0	80.0	40	140				
N-Nitrosodiphenylamine	1744	500	2500	0	69.7	40	140				
Pentachlorophenol	1040	100	2500	0	41.6	30	130				
Phenanthrene	1661	100	2500	0	66.4	40	140				
Phenol	2172	100	2500	0	86.9	30	130				
Pyrene	1708	100	2500	0	68.3	40	140				
Pyridine	ND	500	2500	0	0	40	140				S
Surr: 2,4,6-Tribromophenol	5954	0	7500	0	79.4	30	130				
Surr: 2-Fluorobiphenyl	3672	0	5000	0	73.4	30	130				
Surr: 2-Fluorophenol	6746	0	7500	0	90.0	30	130				
Surr: Nitrobenzene-d5	3967	0	5000	0	79.3	30	130				
Surr: Phenol-d6	6026	0	7500	0	80.3	30	130				
Surr: Terphenyl-d14	3218	0	5000	0	64.4	30	130				

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

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CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 8270d\_s\_ase

Sample ID: LCS#2-19802	SampType: lcsd	TestCode: 8270d_s_ase	Units: µg/Kg	Prep Date: 2/13/2012	RunNo: 44563						
Client ID: ZZZZZ	Batch ID: 19802	TestNo: SW8270C	(SW3545A)	Analysis Date: 2/13/2012	SeqNo: 507757						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1832	100	2500	0	73.3	40	140	1742	4.98	30	
1,2-Dichlorobenzene	2172	100	2500	0	86.9	40	140	1968	9.83	30	
1,2-Dinitrobenzene	2336	100	2500	0	93.5	40	140	2861	20.2	30	
1,3-Dichlorobenzene	1795	100	2500	0	71.8	40	140	1696	5.70	30	
1,3-Dinitrobenzene	2224	100	2500	0	89.0	40	140	1914	15.0	30	
1,4-Dichlorobenzene	2198	100	2500	0	87.9	40	140	2106	4.32	30	
1,4-Dinitrobenzene	2394	100	2500	0	95.8	40	140	2049	15.6	30	
2,3,4,6-Tetrachlorophenol	1416	100	2500	0	56.7	30	130	1463	3.23	30	
2,4,5-Trichlorophenol	2232	100	2500	0	89.3	30	130	2122	5.08	30	
2,4,6-Trichlorophenol	1756	100	2500	0	70.2	30	130	1689	3.89	30	
2,4-Dichlorophenol	1820	100	2500	0	72.8	30	130	1754	3.75	30	
2,4-Dimethylphenol	2042	100	2500	0	81.7	30	130	2035	0.319	30	
2,4-Dinitrophenol	1053	500	2500	0	42.1	30	130	1062	0.898	30	
2,4-Dinitrotoluene	2158	100	2500	0	86.3	40	140	2004	7.40	30	
2,6-Dinitrotoluene	2070	100	2500	0	82.8	40	140	1890	9.04	30	
2-Chloronaphthalene	2032	100	2500	0	81.3	40	140	1970	3.10	30	
2-Chlorophenol	2312	100	2500	0	92.5	30	130	2036	12.7	30	
2-Methylnaphthalene	1838	100	2500	0	73.5	40	140	1748	5.05	30	
2-Methylphenol	2030	100	2500	0	81.2	30	130	1928	5.13	30	
2-Nitroaniline	2488	100	2500	0	99.5	40	130	2601	4.46	30	
2-Nitrophenol	1690	100	2500	0	67.6	30	130	1716	1.53	30	
3,3'-Dichlorobenzidine	1012	100	2500	0	40.5	40	140	963.5	4.86	30	
3-Methylphenol/4-Methylphenol	2034	100	2500	0	81.3	30	130	1897	6.95	30	
3-Nitroaniline	1880	100	2500	0	75.2	40	140	1904	1.30	30	
4,6-Dinitro-2-Methylphenol	1418	500	2500	0	56.7	30	130	1225	14.6	30	
4-Bromophenyl Phenyl Ether	2087	100	2500	0	83.5	40	140	1914	8.67	30	
4-Chloro-3-Methylphenol	1986	500	2500	0	79.4	30	130	1880	5.48	30	
4-Chloroaniline	1006	100	2500	0	40.3	40	140	1046	3.80	30	

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 8270d\_s\_ase

Sample ID: LCS#2-19802	SampType: Iesd	TestCode: 8270d_s_ase	Units: µg/Kg	Prep Date: 2/13/2012	RunNo: 44563						
Client ID: ZZZZ	Batch ID: 19802	TestNo: SW8270C	(SW3545A)	Analysis Date: 2/13/2012	SeqNo: 507757						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorophenyl Phenyl Ether	2068	100	2500	0	82.7	40	140	1888	9.08	30	
4-Nitroaniline	1958	100	2500	0	78.3	40	140	1908	2.53	30	
4-Nitrophenol	2282	100	2500	0	91.3	30	130	2252	1.30	30	
Acenaphthene	1902	100	2500	0	76.1	40	140	1910	0.394	30	
Acenaphthylene	2195	100	2500	0	87.8	40	140	2060	6.35	30	
Acetophenone	2202	100	2500	0	88.1	40	140	1966	11.3	30	
Aniline	596.5	500	2500	0	23.9	40	140	400.5	39.3	30	SR
Anthracene	2060	100	2500	0	82.4	40	140	1922	6.91	30	
Azobenzene	2828	500	2500	0	113	40	140	2693	4.91	30	
Benz(a)Anthracene	1962	10.0	2500	0	78.5	40	140	1859	5.39	30	
Benzo(a)Pyrene	1864	10.0	2500	0	74.6	40	140	1838	1.43	30	
Benzo(b)Fluoranthene	1890	100	2500	0	75.6	40	140	1274	38.9	30	R
Benzo(g,h,i)Perylene	2180	100	2500	0	87.2	40	140	2210	1.34	30	
Benzo(k)Fluoranthene	2200	100	2500	0	88.0	40	140	2448	10.6	30	
Benzyl Alcohol	2126	100	2500	0	85.0	40	140	1894	11.5	30	
Bis(2-Chloroethoxy)Methane	2327	100	2500	0	93.1	40	140	2057	12.3	30	
Bis(2-Chloroethyl)Ether	2352	100	2500	0	94.1	40	140	2178	7.68	30	
Bis(2-Chloroisopropyl)Ether	2602	100	2500	0	104	40	140	2418	7.31	30	
Bis(2-Ethylhexyl)Phthalate	2019	100	2500	0	80.8	40	140	1958	3.09	30	
Butyl Benzyl Phthalate	2012	100	2500	0	80.5	40	140	1910	5.25	30	
Carbazole	1861	100	2500	0	74.4	40	140	1734	7.04	30	
Chrysene	2083	100	2500	0	83.3	40	140	1925	7.88	30	
Dibenz(a,h)Anthracene	2133	10.0	2500	0	85.3	40	140	2154	0.956	30	
Dibenzofuran	1988	100	2500	0	79.5	40	140	1858	6.73	30	
Diethyl Phthalate	1863	100	2500	0	74.5	40	140	1772	5.04	30	
Dimethyl Phthalate	1839	100	2500	0	73.6	40	140	1748	5.10	30	
Di-n-Butyl Phthalate	1947	500	2500	0	77.9	40	140	1838	5.76	30	
Di-n-Octyl Phthalate	1985	100	2500	0	79.4	40	140	1962	1.17	30	

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

Geolabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: 8270d\_s\_ase

Sample ID: LCS#2-19802	SampType: Icsd	TestCode: 8270d_s_ase	Units: µg/Kg	Prep Date: 2/13/2012	RunNo: 44563						
Client ID: ZZZZZ	Batch ID: 19802	TestNo: SW8270C	(SW3545A)	Analysis Date: 2/13/2012	SeqNo: 507757						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoranthene	2088	100	2500	0	83.5	40	140	1936	7.53	30	
Fluorene	1978	100	2500	0	79.1	40	140	1919	3.08	30	
Hexachlorobenzene	2056	10.0	2500	0	82.2	40	140	1943	5.63	30	
Hexachlorobutadiene	2366	10.0	2500	0	94.6	40	140	2255	4.80	30	
Hexachlorocyclopentadiene	2519	500	2500	0	101	40	140	2256	11.0	30	
Hexachloroethane	2394	100	2500	0	95.8	40	140	2186	9.13	30	
Indeno(1,2,3-cd)Pyrene	2149	10.0	2500	0	86.0	40	140	2092	2.66	30	
Isophorone	2412	100	2500	0	96.5	40	140	2234	7.68	30	
Naphthalene	2345	100	2500	0	93.8	40	140	2298	2.02	30	
Nitrobenzene	2175	100	2500	0	87.0	40	140	2061	5.38	30	
N-Nitrosodimethylamine	1328	500	2500	0	53.1	40	140	1312	1.21	30	
N-Nitrosodi-n-Propylamine	2164	100	2500	0	86.6	40	140	2001	7.85	30	
N-Nitrosodiphenylamine	1829	500	2500	0	73.2	40	140	1744	4.79	30	
Pentachlorophenol	1197	100	2500	0	47.9	30	130	1040	14.0	30	
Phenanthrene	1934	100	2500	0	77.3	40	140	1661	15.2	30	
Phenol	2405	100	2500	0	96.2	30	130	2172	10.2	30	
Pyrene	1761	100	2500	0	70.4	40	140	1708	3.03	30	
Pyridine	ND	500	2500	0	0	40	140	0	0	30	S
Surr: 2,4,6-Tribromophenol	6132	0	7500	0	81.8	30	130	0	0	0	
Surr: 2-Fluorobiphenyl	3804	0	5000	0	76.1	30	130	0	0	0	
Surr: 2-Fluorophenol	7160	0	7500	0	95.5	30	130	0	0	0	
Surr: Nitrobenzene-d5	4202	0	5000	0	84.0	30	130	0	0	0	
Surr: Phenol-d6	6442	0	7500	0	85.9	30	130	0	0	0	
Surr: Terphenyl-d14	3512	0	5000	0	70.2	30	130	0	0	0	

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

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CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: COND\_S

Sample ID: MB-R44542	SampType: MBLK	TestCode: COND_S	Units: µmhos/cm	Prep Date:	RunNo: 44542						
Client ID: ZZZZ	Batch ID: R44542	TestNo: E120.1		Analysis Date: 2/10/2012	SeqNo: 507567						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductance	ND	1.00									

Sample ID: LCS-R44542	SampType: LCS	TestCode: COND_S	Units: µmhos/cm	Prep Date:	RunNo: 44542						
Client ID: ZZZZ	Batch ID: R44542	TestNo: E120.1		Analysis Date: 2/10/2012	SeqNo: 507568						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductance	720.0	1.00	717.5	0.7	100	90	110				

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

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CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: hg\_7471b\_s

Sample ID: MB-19797	Sample Type: MBLK	TestCode: hg_7471b_s	Units: mg/Kg	Prep Date: 2/10/2012	RunNo: 44545						
Client ID: ZZZZZ	Batch ID: 19797	TestNo: SW 7471B	(SW7471B)	Analysis Date: 2/10/2012	SeqNo: 507593						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.0830									

Sample ID: LCS-19797	Sample Type: LCS	TestCode: hg_7471b_s	Units: mg/Kg	Prep Date: 2/10/2012	RunNo: 44545						
Client ID: ZZZZZ	Batch ID: 19797	TestNo: SW 7471B	(SW7471B)	Analysis Date: 2/10/2012	SeqNo: 507594						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9217	0.0830	0.833	0	111	80	120				

Sample ID: LCSD-19797	Sample Type: LCSD	TestCode: hg_7471b_s	Units: mg/Kg	Prep Date: 2/10/2012	RunNo: 44545						
Client ID: ZZZZZ	Batch ID: 19797	TestNo: SW 7471B	(SW7471B)	Analysis Date: 2/10/2012	SeqNo: 507508						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8500	0.0830	0.833	0	102	80	120	0.9217	8.09	30	

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

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CLIENT: Lord Associates, Inc.  
 Work Order: 1202053  
 Project: 1818

TestCode: tph\_s

Sample ID: MB-19798	SampType: mbk	TestCode: tph_s	Units: mg/Kg	Prep Date: 2/13/2012	RunNo: 44552						
Client ID: ZZZZ	Batch ID: 19798	TestNo: 8100M	(8100M)	Analysis Date: 2/13/2012	SeqNo: 507822						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	ND	50.0									
Surr: o-Terphenyl	9557	0	10000	0	95.6	40	140				

Sample ID: LCS-19798	SampType: Lcs	TestCode: tph_s	Units: mg/Kg	Prep Date: 2/13/2012	RunNo: 44552						
Client ID: ZZZZ	Batch ID: 19798	TestNo: 8100M	(8100M)	Analysis Date: 2/13/2012	SeqNo: 507823						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	128.7	50.0	200	0	64.3	40	140				
Surr: o-Terphenyl	10750	0	10000	0	108	40	140				

Sample ID: LCS#2-19798	SampType: Lcsd	TestCode: tph_s	Units: mg/Kg	Prep Date: 2/13/2012	RunNo: 44552						
Client ID: ZZZZ	Batch ID: 19798	TestNo: 8100M	(8100M)	Analysis Date: 2/13/2012	SeqNo: 507824						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	136.0	50.0	200	0	68.0	40	140	128.7	5.49	50	
Surr: o-Terphenyl	11610	0	10000	0	116	40	140	0	0	50	

Qualifiers: BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside recovery limits  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 R RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

