



2340 Stock Creek Blvd.
Rockford TN 37853-3044
Phone: (865) 573-8188
Fax: (865) 573-8133
Email: info@microbe.com

DNA Analysis Report

Client: Scott Underhill
Earth Tech, Inc.
40 British American Blvd.
Latham, NY 12110

Phone: (518) 951-2200

Fax:

MI Identifier: 043EH

Date Rec: 08/10/2007

Report Date: 08/14/2007

Client Project #: 99165

Client Project Name: Korkay

Purchase Order #:

Analysis Requested: CENSUS

Comments:

All samples within this data package were analyzed under U.S. EPA Good Laboratory Practice Standards: Toxic Substances Control Act (40 CFR part 790). All samples were processed according to standard operating procedures. Test results submitted in this data package meet the quality assurance requirements established by Microbial Insights, Inc.

Reported By:

Anita Biernacki

Reviewed By:

Dora M Oglio

NOTICE: This report is intended only for the addressee shown above and may contain confidential or privileged information. If the recipient of this material is not the intended recipient or if you have received this in error, please notify Microbial Insights, Inc. immediately. The data and other information in this report represent only the sample(s) analyzed and are rendered upon condition that it is not to be reproduced without approval from Microbial Insights, Inc. Thank you for your cooperation.

MICROBIAL INSIGHTS, INC.

2340 Stock Creek Blvd. Rockford, TN 37853-3044
 Tel: (865) 573-8188; Fax: (865) 573-8133

Q Potential (DNA)

Client: Earth Tech, Inc.
Project: Korkay

MI Project Number: 043EH
Date Received: 08/10/2007

Sample Information

Client Sample ID:	ASW 8-12'	VEW-1 8-12'	VEW-3 8-12'	VEW-4 8-12'
Sample Date:	08/09/2007	08/09/2007	08/09/2007	08/09/2007
Units:	cells/g	cells/g	cells/g	cells/g

Functional Genes

Soluble Methane Monooxygenase	sMMO	<1.02E+03	<9.97E+02	<1.34E+03	2.66E+02 (J)
-------------------------------	------	-----------	-----------	-----------	--------------

Phylogenetic Group

Eubacteria	EBAC	2.28E+06	3.94E+06	1.83E+06	1.52E+07
Methanotrophs (total)	MOB	2.99E+01 (J)	1.32E+04	3.28E+00 (J)	2.66E+04
Type I MOB	MOBI	2.33E+01 (J)	1.14E+04	3.1E+00 (J)	1.8E+04
Type II MOB	MOBII	6.64E+00 (J)	1.78E+03	1.83E-01 (J)	8.53E+03

Legend:

NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
 < = Result not detected

Notes:

1 Bio-Dechlor Census technology was developed by Dr. Loeffler and colleagues at Georgia Institute of Technology and was licensed for use through Regeneration.

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION		
REPORT TO BE SENT TO:		PROJECT NAME: <u>KORKAY</u>		BILL TO:		
COMPANY: <u>EARTH TECH</u>		PROJECT NO.: <u>99165</u>		ADDRESS:		
ADDRESS: <u>40 BRITISH AMERICAN BLVD</u>		LOCATION:		CITY:		
CITY: <u>LATHAM</u>		PROJECT MANAGER: <u>SCOTT UNDERHILL</u>		STATE:		
ATTENTION: <u>SCOTT UNDERHILL</u>		e-mail: <u>SCOTT.UNDERHILL@EARTHTECH.COM</u>		ATTENTION:		
PHONE: <u>(518) 396-7638</u>		PHONE:		PHONE:		
FAX: <u>(518) 751-2300</u>		FAX:		ANALYSIS		
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		PRESERVATIVES		
FAX: _____	DAYS: _____	<input type="checkbox"/> RESULTS ONLY	<input type="checkbox"/> USEPA CLP			
HARD COPY: _____	DAYS: _____	<input type="checkbox"/> RESULTS + QC	<input type="checkbox"/> New Jersey State ASP "B"			
EDD: _____	DAYS: _____	<input type="checkbox"/> New Jersey REDUCED	<input type="checkbox"/> New Jersey State ASP "A"			
* TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		<input type="checkbox"/> New Jersey CLP	<input type="checkbox"/> Other _____			
		<input type="checkbox"/> EDD FORMAT				
CHEMTECH SAMPLE ID	PROJECT IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE COLLECTION DATE	TIME	COMMENTS
1-0435H1	ASW 8-12'	SOLC	X	8/9/07	1040	
2	VEW-1 8-12'	↓	↓	↓	1015	
3	VEW-3 8-12'	↓	↓	↓	1115	
4	VEW-4 8-12'	↓	↓	↓	0910	
5						
6						
7						
8						
9						
10						
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY						
RELINQUISHED BY SAMPLER	RECEIVED BY:	DATE/TIME:	CONDITIONS OF BOTTLES OR COOLERS AT RECEIPT:			
1. <u>Scott Underhill</u>	1. _____	8/9/07 1530	MeOH extraction requires an additional 4 oz jar for percent solid.			
RELINQUISHED BY:	RECEIVED BY:	DATE/TIME:	Comments:			
2. _____	2. _____	_____				
RELINQUISHED BY:	RECEIVED FOR LAB BY:	DATE/TIME:	SHIPPED VIA: CLIENT: <input type="checkbox"/> HAND DELIVERED <input type="checkbox"/> OVERNIGHT <input type="checkbox"/>			
3. _____	3. <u>Morgan</u>	8/10/07 1500	CHEMTECH: <input type="checkbox"/> PICKED UP <input type="checkbox"/> OVERNIGHT <input type="checkbox"/>			
			Page _____ of _____		Shipment Complete: <input type="checkbox"/> YES <input type="checkbox"/> NO	