

# GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Company : Brandeis  
Address : 1036 Hubert Rd.  
Oakland, California 94610

Contact: Joel I. Cehn, CHP  
Project: **BBI**

Report Date: April 6, 2004

Page 1 of 2

Client Sample ID: DA1  
Sample ID: 109111016  
Matrix: Soil  
Collect Date: 15-MAR-04 15:05  
Receive Date: 16-MAR-04  
Collector: Client  
Moisture: 3.89%

Project: MKME00104  
Client ID: MKME001

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Semi-Volatiles-PCB</b>											
<i>8082/3550B PCB in Soil</i>											
Aroclor-1016	U	ND		1.04	3.47	ug/kg	1	JMW103/25/04	0119	317784	1
Aroclor-1221	U	ND		2.93	3.47	ug/kg	1				
Aroclor-1232	U	ND		1.73	3.47	ug/kg	1				
Aroclor-1242	U	ND		1.73	3.47	ug/kg	1				
Aroclor-1248	U	ND		1.04	3.47	ug/kg	1				
Aroclor-1254	U	ND		0.520	3.47	ug/kg	1				
Aroclor-1260	U	ND		1.04	3.47	ug/kg	1				

### The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3550B	3550B PCB Prep Soil	GRB2	03/18/04	2340	317783

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8082	

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
4cmx	8082/3550B PCB in Soil	73	(51%-114%)
Decachlorobiphenyl	8082/3550B PCB in Soil	79	(51%-121%)

### Notes:

The Qualifiers in this report are defined as follows :

- < Result is less than amount reported.
- > Result is greater than amount reported.
- B Target analyte was detected in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration of the target analyte exceeds the instrument calibration range.
- H Analytical holding time exceeded.
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- P The response between the confirmation column and the primary column is >40%D.
- U Indicates the target analyte was analyzed for but not detected above the detection limit.
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.

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Client Sample ID: DA1  
Sample ID: 109111016

Project: MKME00104  
Client ID: MKME001

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
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Y QC Samples were not spiked with this compound.  
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Amy Jamison.

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Reviewed by

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Project: **BBI**

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Page 1 of 2

Client Sample ID: DA2  
Sample ID: 109111017  
Matrix: Soil  
Collect Date: 15-MAR-04 15:10  
Receive Date: 16-MAR-04  
Collector: Client  
Moisture: 2.49%

Project: MKME00104  
Client ID: MKME001

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Semi-Volatiles-PCB</b>											
<i>8082/3550B PCB in Soil</i>											
Aroclor-1016	U	ND		1.03	3.42	ug/kg	1	JMW103/25/04	0131	317784	1
Aroclor-1221	U	ND		2.89	3.42	ug/kg	1				
Aroclor-1232	U	ND		1.71	3.42	ug/kg	1				
Aroclor-1242	U	ND		1.71	3.42	ug/kg	1				
Aroclor-1248	U	ND		1.03	3.42	ug/kg	1				
Aroclor-1254	U	ND		0.513	3.42	ug/kg	1				
Aroclor-1260	U	ND		1.03	3.42	ug/kg	1				

### The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3550B	3550B PCB Prep Soil	GRB2	03/18/04	2340	317783

### The following Analytical Methods were performed

Method	Description	Analyst Comments
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Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
4cmx	8082/3550B PCB in Soil	77	(51%-114%)
Decachlorobiphenyl	8082/3550B PCB in Soil	87	(51%-121%)

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Client Sample ID: DA2  
Sample ID: 109111017

Project: MKME00104  
Client ID: MKME001

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Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
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Reviewed by