Data Validation Services

120 Cobble Creek Road P. O. Box 208

North Creek, N. Y. 12853

Phone 518-251-4429

Facsimile 518-251-4428

November 19, 2006

Bradley Kubiak
O'Brien & Gere Engineers
5000 Brittonfield Parkway
Syracuse, NY 13221

RE: **D**ata **U**sability **S**ummary **R**eport for the Niagara Mohawk IRM, Former IFG site
OBG Laboratory/LSL SDG Nos. 0607075, 0608065, and 0609143

Dear Mr. Kubiak:

Review has been completed for the data packages generated by Life Science Laboratories that pertain to samples collected 7/19/06 through 9/27/06 at the Niagara Mohawk IRM site. Eight soil samples and three field duplicates were analyzed for TCL PCBs by USEPA method 8082.

The data packages submitted contained full deliverables for validation, but this usability report is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary tables have been reviewed for application of validation qualifiers, per the USEPA Region 2 validation SOPs and the USEPA National Functional Guidelines for Organic Data Review, as affects the usability of the sample data. The following items were reviewed:

* Laboratory Narrative Discussion
* Custody Documentation
* Holding Times
* Surrogate Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Calibration Standards
* Instrument IDLs
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review.

In summary, sample processing was compliant with protocol requirements, and reported results are usable. Three detected Aroclor values are qualified as estimated due to matrix effects.

Copies of the laboratory case narratives and laboratory NYSDEC Sample Analytical Requirement Summary Forms are attached to this text, and should be reviewed in conjunction with this report. Also included with this submission are sample results forms with validation qualifiers and edits applied in red ink. These tables will be referenced in this report.

The following text discusses quality issues of concern.

General

Blind field duplicate correlations for SA-26-W, SA-26-E2, and SA-26-N3 show good precision.

TCL PCB Analyses by EPA8082

The detected result for Aroclor 1248 in FD-071906 and those for Aroclor 1248 and 1254 in SA-26-W are qualified as estimated ("J") due to elevated dual column quantitative correlations.

Holding times were met and blanks showed no contamination. Surrogate recoveries (where not diluted beyond proper detection) are within validation action guidelines. Calibration standard responses associated with the project samples were acceptable.

Matrix spikes of Aroclors 1016 and 1260 in SA-26-N2 and SA-26-N3 show acceptable accuracy and precision. Those for SA-26-N cannot be evaluated due to the high concentrations of Aroclor 1248 and Aroclor 1254 in the parent sample. Spiked blank recoveries are acceptable

The laboratory reported %RPD in the %D field on the Forms 10B. This validation review evaluates %D.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

LABORATORY SAMPLE IDs AND CASE NARRATIVES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND

ANALYTICAL SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		VOA GC/MS Method#	BNA GC/MS Method#	VOA GC Method#	PEST PCBs Method#	METALS	OTHER
SA-26-N	0607075-001				8082		ASTM D2216
SA-26N	0607075-001MS/MSD				8082		
SA-26-W	0607075-002				8082		ASTM D2216
SA-26-E	0607075-003				8082		ASTM D2216
SA-26-F	0607075-004				8082		ASTM D2226
FD-71906	0607075-005				8082		ASTM D2226

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND

ANALYTICAL SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		VOA GC/MS Method#	BNA GC/MS Method#	VOA GC Method#	PEST PCBs Method#	METALS	OTHER
SA-26-N2	0608065-001A				8082		ASTM D2216
SA-26-N2	0608065-001A MS/MSD				8082		
SA-26-E2	0608065-002A				8082		ASTM D2216
Field Duplicate	0608065-003A				8082		ASTM D2216

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND

ANALYTICAL SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		VOA GC/MS Method#	BNA GC/MS Method#	VOA GC Method#	PEST PCBs Method#	METALS	OTHER
SA-26-N3	0609143-001A		8082				ASTM D2216
SA-26-N3	0609143-001A MS/MSD/D		8082				ASTM D2216
SA-26-E3	0609143-002A		8082				ASTM D2216
Field Duplicate	0609143-003A		8082				ASTM D2216

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from O'Brien & Gere Engineers, Inc. for the GM Syracuse Project located in Syracuse, NY.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

There were no discrepancies noted upon receipt. The temperature of the iced cooler was 10.8°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
PCB	8082	1
Percent Moisture	ASTM D2216	2

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996.

2) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report and are also included in the raw data.

RAW DATA

The raw data is organized in a format similar to the US EPA Contract Laboratory Program order of data requirements.

Total # of pages in this report: 586

GC Semi-Volatile Organics Case Narrative

Client:	OBG-GM
Project/Order:	GM Syracuse
Work Order. #:	0607075
Methodology:	8082

Analyzed/Reviewed by (Initials/Date): 8/10/06

Supervisor/Reviewed by (Initials/Date): 8-10-06

QA/QC Review (Initials/Date): 8/10/06

File Name: G:\Narratives\GCSemi\0607075pcb.doc

PCBs

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Samples
All spike recoveries met method and/or project specific QC criteria.

MS/MSD
The following compound(s) did not meet matrix spike/matrix spike duplicate percent recovery and/or RPD criteria:

Sample Description	Sample #	Compound	% REC	RPD	Corrective Action
SA-26-N MS	0607075-001AMS	AR1016	X		1
		AR1260	X		1
SA-26-N MSD	0607075-001AMSD	AR1016	X		1
		AR1260	X		1

1. The concentration of the analyte in the sample was much greater than the concentration of the spike added, which may bias recovery. No corrective action was taken.

Surrogates
The following samples did not meet criteria for surrogate recoveries for Tetrachloro-m-xylene (TCMX) and/or Decachlorobiphenyl (DCBP):

Sample Description	Sample #	Column	Corrective Action
SA-26-E	0607075-003A	DB-608, DB-1701	1

1. The sample was a 20X dilution. The analysis of the undiluted sample showed both surrogates at concentrations within acceptable limits. No corrective action was taken.

Client:	OBG-GM
Project/Order:	GM Syracuse
Work Order. #:	0607075
Methodology:	8082

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from O'Brien & Gere Engineers, Inc. for the GM Syracuse Project located in Syracuse, NY.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

There were no discrepancies noted upon receipt. The temperature of the iced cooler was 5.0°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
PCB	8082	1
Percent Moisture	ASTM D2216	2

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996.

2) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report and are also included in the raw data.

RAW DATA

The raw data is organized in a format similar to the US EPA Contract Laboratory Program order of data requirements.

Total # of pages in this report: 369

GC Semi-Volatile Organics Case Narrative

Client:	OBG-GM
Project/Order:	GM-Syracuse, NY
Work Order. #:	0608065
Methodology:	8082

Analyzed/Reviewed by (Initials/Date): YA 8/18/06

Supervisor/Reviewed by (Initials/Date): JD 8-22-06

QA/QC Review (Initials/Date): 8/25/06

File Name: G:\Narratives\GCSemi\0608065pcb.doc

PCBs

There were no excursions to note. All QC results were within established control limits.

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from O'Brien & Gere Engineers, Inc. for the GM Syracuse Project located in Syracuse, NY.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

There were no discrepancies noted upon receipt. The temperature of the iced cooler was 5.0°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
PCB	8082	1
Percent Moisture	ASTM D2216	2

1) New York State Department of Environmental Conservation Analytical Services Protocol, October 1995 Edition.

2) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report and are also included in the raw data.

RAW DATA

The raw data is organized in a format similar to the NYSDEX ASP Cat B Program order of data requirements.

Total # of pages in this report: 507

GC Semi-Volatile Organics Case Narrative

Client:	OBG-TAA
Project/Order:	GM Syracuse - County
Work Order. #:	0609143
Methodology:	8082

Analyzed/Reviewed by (Initials/Date): GA 10/5/06

Supervisor/Reviewed by (Initials/Date): 10-5-06

QA/QC Review (Initials/Date): 10-6-06

File Name: G:\Narratives\GCSemi\0609143pcb.doc

PCBs

There were no excursions to note. All QC results were within established control limits.

QUALIFIED REPORT FORMS

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0607075-001A**
Project:	GM Syracuse	**Client Sample ID:**	*SA-26-N*
W Order:	0607075	**Collection Date:**	07/19/06 10:40
Matrix:	SOIL	**Date Received:**	07/19/06 15:38
Inst. ID:	GC90 20C	**Sample Size:** 30 g	**PrepDate:** 07/20/06 10:07 A
ColumnID:	DB-608	**%Moisture:** 19.8	**BatchNo:** 3474/R6077
Revision:	07/26/06 10:29:48 A	**TestCode:** 8082S	**FileID:** 1-SAMP-E:\90jul06\C072416.rst

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY GC/ECD				**SW8082**		**(SW3550B)**	
Aroclor 1016	ND		2.12	0.273	mg/Kg-dry	100	07/24/06 18:35
Aroclor 1221	ND		2.12	0.277	mg/Kg-dry	100	07/24/06 18:35
Aroclor 1232	ND		2.12	0.168	mg/Kg-dry	100	07/24/06 18:35
Aroclor 1242	ND		2.12	0.228	mg/Kg-dry	100	07/24/06 18:35
Aroclor 1248	12.5		2.12	0.445	mg/Kg-dry	100	07/24/06 18:35
Aroclor 1254	7.56		2.12	0.591	mg/Kg-dry	100	07/24/06 18:35
Aroclor 1260	ND		2.12	0.249	mg/Kg-dry	100	07/24/06 18:35
Surr: Tetrachloro-m-xylene	0	S	44-134	0	%REC	100	07/24/06 18:35
Surr: Decachlorobiphenyl	0	S	36-141	0	%REC	100	07/24/06 18:35

NOTES:
S - Surrogates were diluted out.

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0607075-002A**
Project:	GM Syracuse	**Client Sample ID:**	*SA-26-W*
W Order:	0607075	**Collection Date:**	07/19/06 10:55
Matrix:	SOIL	**Date Received:**	07/19/06 15:38
Inst. ID:	GC90 20C	**Sample Size:** 30 g	**PrepDate:** 07/20/06 10:07 A
ColumnID:	DB-608	**%Moisture:** 27.3	**BatchNo:** 3474/R6077
Revision:	07/25/06 3:50:10 P	**TestCode:** 8082S	**FileID:** 1-SAMP-E:\90jul06\C072411.rst

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY GC/ECD				**SW8082**		**(SW3550B)**	
Aroclor 1016	ND		0.117	0.0151	mg/Kg-dry	5	07/24/06 16:00
Aroclor 1221	ND		0.117	0.0153	mg/Kg-dry	5	07/24/06 16:00
Aroclor 1232	ND		0.117	0.00929	mg/Kg-dry	5	07/24/06 16:00
Aroclor 1242	ND		0.117	0.0126	mg/Kg-dry	5	07/24/06 16:00
Aroclor 1248	0.385	P J	0.117	0.0246	mg/Kg-dry	5	07/24/06 16:00
Aroclor 1254	0.162	P J	0.117	0.0326	mg/Kg-dry	5	07/24/06 16:00
Aroclor 1260	ND		0.117	0.0138	mg/Kg-dry	5	07/24/06 16:00
Surr: Tetrachloro-m-xylene	128		44-134	0	%REC	5	07/24/06 16:00
Surr: Decachlorobiphenyl	113		36-141	0	%REC	5	07/24/06 16:00

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0607075-003A**
Project:	GM Syracuse	**Client Sample ID:**	***SA-26-E***
W Order:	0607075	**Collection Date:**	07/19/06 11:10
Matrix:	SOIL	**Date Received:**	07/19/06 15:38
Inst. ID:	GC90 20C	**Sample Size:** 30 g	**PrepDate:** 07/20/06 10:07 A
ColumnID:	DB-608	**%Moisture:** 21.8	**BatchNo:** 3474/R6077
Revision:	07/25/06 3:50:10 P	**TestCode:** 8082S	**FileID:** 1-SAMP-E:\90jul06\C072417.rst

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY GC/ECD				**SW8082**		**(SW3550B)**	
Aroclor 1016	ND		0.435	0.0560	mg/Kg-dry	20	07/24/06 19:05
Aroclor 1221	ND		0.435	0.0568	mg/Kg-dry	20	07/24/06 19:05
Aroclor 1232	ND		0.435	0.0345	mg/Kg-dry	20	07/24/06 19:05
Aroclor 1242	ND		0.435	0.0468	mg/Kg-dry	20	07/24/06 19:05
Aroclor 1248	2.81		0.435	0.0914	mg/Kg-dry	20	07/24/06 19:05
Aroclor 1254	1.92		0.435	0.121	mg/Kg-dry	20	07/24/06 19:05
Aroclor 1260	ND		0.435	0.0512	mg/Kg-dry	20	07/24/06 19:05
Surr: Tetrachloro-m-xylene	150	S	44-134	0	%REC	20	07/24/06 19:05
Surr: Decachlorobiphenyl	173	S	36-141	0	%REC	20	07/24/06 19:05

NOTES:
S - Surrogates were diluted.

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0607075-004A**
Project:	GM Syracuse	**Client Sample ID:**	***SA-26-F***
W Order:	0607075	**Collection Date:**	07/19/06 11:30
Matrix:	SOIL	**Date Received:**	07/19/06 15:38
Inst. ID:	GC90 20C	**Sample Size:** 30 g	**PrepDate:** 07/20/06 10:07 A
ColumnID:	DB-608	**%Moisture:** 10.2	**BatchNo:** 3474/R6077
Revision:	07/25/06 3:50:10 P	**TestCode:** 8082S	**FileID:** 1-SAMP-E:\90jul06\C072413.rst

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY GC/ECD				**SW8082**		**(SW3550B)**	
Aroclor 1016	ND		0.0189	0.00244	mg/Kg-dry	1	07/24/06 17:02
Aroclor 1221	ND		0.0189	0.00247	mg/Kg-dry	1	07/24/06 17:02
Aroclor 1232	ND		0.0189	0.00150	mg/Kg-dry	1	07/24/06 17:02
Aroclor 1242	ND		0.0189	0.00204	mg/Kg-dry	1	07/24/06 17:02
Aroclor 1248	0.100		0.0189	0.00398	mg/Kg-dry	1	07/24/06 17:02
Aroclor 1254	0.0724		0.0189	0.00528	mg/Kg-dry	1	07/24/06 17:02
Aroclor 1260	ND		0.0189	0.00223	mg/Kg-dry	1	07/24/06 17:02
Surr: Tetrachloro-m-xylene	108		44-134	0	%REC	1	07/24/06 17:02
Surr: Decachlorobiphenyl	96.2		36-141	0	%REC	1	07/24/06 17:02

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0607075-005A**
Project:	GM Syracuse	**Client Sample ID:**	***FD-71906***
W Order:	0607075	**Collection Date:**	07/19/06 0:00
Matrix:	SOIL	**Date Received:**	07/19/06 15:38
Inst. ID:	GC90 20C	**Sample Size:** 30 g	**PrepDate:** 07/20/06 10:07 A
ColumnID:	DB-608	**%Moisture:** 28.7	**BatchNo:** 3474/R6077
Revision:	07/25/06 3:50:10 P	**TestCode:** 8082S	**FileID:** 1-SAMP-E:\90jul06\C072418.rst

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY GC/ECD				**SW8082**		**(SW3550B)**	
Aroclor 1016	ND		0.0477	0.00614	mg/Kg-dry	2	07/24/06 19:36
Aroclor 1221	ND		0.0477	0.00623	mg/Kg-dry	2	07/24/06 19:36
Aroclor 1232	ND		0.0477	0.00379	mg/Kg-dry	2	07/24/06 19:36
Aroclor 1242	ND		0.0477	0.00513	mg/Kg-dry	2	07/24/06 19:36
Aroclor 1248	0.333	P	J 0.0477	0.0100	mg/Kg-dry	2	07/24/06 19:36
Aroclor 1254	0.167		0.0477	0.0133	mg/Kg-dry	2	07/24/06 19:36
Aroclor 1260	ND		0.0477	0.00561	mg/Kg-dry	2	07/24/06 19:36
Surr: Tetrachloro-m-xylene	114		44-134	0	%REC	2	07/24/06 19:36
Surr: Decachlorobiphenyl	107		36-141	0	%REC	2	07/24/06 19:36

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0608065-001A**
Project:	GM-Syracuse, NY	**Client Sample ID:**	*SA-26-N2*
W Order:	0608065	**Collection Date:**	08/09/06 14:35
Matrix:	SOIL	**Date Received:**	08/09/06 16:20
Inst. ID:	GC90 20D	**Sample Size:** 30 g	**PrepDate:** 08/10/06 11:44 A
ColumnID:	DB-1701	**%Moisture:** 20.3	**BatchNo:** 3604/R6282
Revision:	08/16/06 9:19:00 A	**TestCode:** 8082S3	**FileID:** 1-SAMP-E:\90Aug06\D081123.r

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY GC/ECD				**SW8082**		**(SW3550B)**	
Aroclor 1016	ND		0.628	0.0825	mg/Kg-dry	1	08/14/06 21:14
Aroclor 1221	ND		0.628	0.0836	mg/Kg-dry	1	08/14/06 21:14
Aroclor 1232	ND		0.628	0.0508	mg/Kg-dry	1	08/14/06 21:14
Aroclor 1242	ND		0.628	0.0689	mg/Kg-dry	1	08/14/06 21:14
Aroclor 1248	0.365	J	0.628	0.134	mg/Kg-dry	1	08/14/06 21:14
Aroclor 1254	ND		0.628	0.178	mg/Kg-dry	1	08/14/06 21:14
Aroclor 1260	ND		0.628	0.0753	mg/Kg-dry	1	08/14/06 21:14
Surr: Tetrachloro-m-xylene	85.8		44-134		%REC	1	08/14/06 21:14
Surr: Decachlorobiphenyl	72.3		36-141		%REC	1	08/14/06 21:14

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- P Prim./Conf. column %D or RPD exceeds limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0608065-002A**
Project:	GM-Syracuse, NY	**Client Sample ID:**	***SA-26-E2***
W Order:	0608065	**Collection Date:**	08/09/06 14:45
Matrix:	SOIL	**Date Received:**	08/09/06 16:20
Inst. ID:	GC90 20D **Sample Size:** 30 g	**PrepDate:**	08/10/06 11:44 A
ColumnID:	DB-1701 **%Moisture:** 25.1	**BatchNo:**	3604/R6305
Revision:	08/16/06 9:24:33 A **TestCode:** 8082S3	**FileID:**	1-SAMP-E:\90Aug06\D081504.r

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY GC/ECD				**SW8082**		**(SW3550B)**	
Aroclor 1016	ND		1.33	0.175	mg/Kg-dry	2	08/15/06 12:29
Aroclor 1221	ND		1.33	0.178	mg/Kg-dry	2	08/15/06 12:29
Aroclor 1232	ND		1.33	0.108	mg/Kg-dry	2	08/15/06 12:29
Aroclor 1242	ND		1.33	0.147	mg/Kg-dry	2	08/15/06 12:29
Aroclor 1248	10.5		1.33	0.286	mg/Kg-dry	2	08/15/06 12:29
Aroclor 1254	4.24		1.33	0.379	mg/Kg-dry	2	08/15/06 12:29
Aroclor 1260	ND		1.33	0.160	mg/Kg-dry	2	08/15/06 12:29
Surr: Tetrachloro-m-xylene	76.0		44-134		%REC	2	08/15/06 12:29
Surr: Decachlorobiphenyl	67.7		36-141		%REC	2	08/15/06 12:29

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- U Not Detected at the MDC or RL

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0608065-003A**
Project:	GM-Syracuse, NY	**Client Sample ID:**	***Field Duplicate***
W Order:	0608065	**Collection Date:**	08/09/06 0:00
Matrix:	SOIL	**Date Received:**	08/09/06 16:20
Inst. ID:	GC90 20D	**Sample Size:** 30 g	**PrepDate:** 08/10/06 11:44 A
ColumnID:	DB-1701	**%Moisture:** 25.8	**BatchNo:** 3604/R6305
Revision:	08/16/06 9:24:33 A	**TestCode:** 8082S3	**FileID:** 1-SAMP-E:\90Aug06\D081505.r

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY GC/ECD				**SW8082**		**(SW3550B)**	
Aroclor 1016	ND		1.35	0.177	mg/Kg-dry	2	08/15/06 13:00
Aroclor 1221	ND		1.35	0.179	mg/Kg-dry	2	08/15/06 13:00
Aroclor 1232	ND		1.35	0.109	mg/Kg-dry	2	08/15/06 13:00
Aroclor 1242	ND		1.35	0.148	mg/Kg-dry	2	08/15/06 13:00
Aroclor 1248	8.56		1.35	0.289	mg/Kg-dry	2	08/15/06 13:00
Aroclor 1254	4.33		1.35	0.383	mg/Kg-dry	2	08/15/06 13:00
Aroclor 1260	ND		1.35	0.162	mg/Kg-dry	2	08/15/06 13:00
Surr: Tetrachloro-m-xylene	81.0		44-134		%REC	2	08/15/06 13:00
Surr: Decachlorobiphenyl	73.7		36-141		%REC	2	08/15/06 13:00

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
S	Spike Recovery outside accepted recovery limits	U	Not Detected at the MDC or RL

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0609143-001A**
Project:	GM Syracuse-County	**Client Sample ID:**	***SA-26-N3***
W Order:	0609143	**Collection Date:**	09/27/06 13:12
Matrix:	SOIL	**Date Received:**	09/27/06 15:55
Inst. ID:	GC90 20D	**Sample Size:** 30 g	**PrepDate:** 09/29/06 15:03
ColumnID:	DB-1701	**%Moisture:** 14.5	**BatchNo:** 3915/R6834
Revision:	10/04/06 9:45	**TestCode:** 8082S3	**FileID:** 1-SAMP-E:\90oct06\D100206.rs
Col Type:	Primary		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY GC/ECD				**SW8082**	**(SW3550B)**		**Date Analyzed**
Aroclor 1016	ND		0.585	0.0768	mg/Kg-dry	1	10/02/06 18:40
Aroclor 1221	ND		0.585	0.0779	mg/Kg-dry	1	10/02/06 18:40
Aroclor 1232	ND		0.585	0.0474	mg/Kg-dry	1	10/02/06 18:40
Aroclor 1242	ND		0.585	0.0642	mg/Kg-dry	1	10/02/06 18:40
Aroclor 1248	0.491	J	0.585	0.125	mg/Kg-dry	1	10/02/06 18:40
Aroclor 1254	ND		0.585	0.166	mg/Kg-dry	1	10/02/06 18:40
Aroclor 1260	ND		0.585	0.0702	mg/Kg-dry	1	10/02/06 18:40
Surr: Tetrachloro-m-xylene	61.2		44-134		%REC	1	10/02/06 18:40
Surr: Decachlorobiphenyl	57.8		36-141		%REC	1	10/02/06 18:40

NOTES:
Altered Aroclor 1248.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0609143-002A**
Project:	GM Syracuse-County	**Client Sample ID:**	***SA-26-E3***
W Order:	0609143	**Collection Date:**	09/27/06 13:14
Matrix:	SOIL	**Date Received:**	09/27/06 15:55
Inst. ID:	GC90 20D	**Sample Size:** 30 g	**PrepDate:** 09/29/06 15:03
ColumnID:	DB-1701	**%Moisture:** 15.1	**BatchNo:** 3915/R6834
Revision:	10/04/06 9:45	**TestCode:** 8082S3	**FileID:** 1-SAMP-E:\90oct06\D100212.rs
Col Type:	Primary		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY GC/ECD				**SW8082**	**(SW3550B)**		
Aroclor 1016	ND		0.589	0.0774	mg/Kg-dry	1	10/02/06 21:45
Aroclor 1221	ND		0.589	0.0784	mg/Kg-dry	1	10/02/06 21:45
Aroclor 1232	ND		0.589	0.0477	mg/Kg-dry	1	10/02/06 21:45
Aroclor 1242	ND		0.589	0.0647	mg/Kg-dry	1	10/02/06 21:45
Aroclor 1248	1.25		0.589	0.126	mg/Kg-dry	1	10/02/06 21:45
Aroclor 1254	ND		0.589	0.167	mg/Kg-dry	1	10/02/06 21:45
Aroclor 1260	ND		0.589	0.0707	mg/Kg-dry	1	10/02/06 21:45
Surr: Tetrachloro-m-xylene	64.7		44-134		%REC	1	10/02/06 21:45
Surr: Decachlorobiphenyl	58.7		36-141		%REC	1	10/02/06 21:45

NOTES:
Altered Aroclor 1248.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0609143-003A**
Project:	GM Syracuse-County	**Client Sample ID:**	***Field Duplicate***
W Order:	0609143	**Collection Date:**	09/27/06 0:00
Matrix:	SOIL	**Date Received:**	09/27/06 15:55
Inst. ID:	GC90 20D	**Sample Size:** 30 g	**PrepDate:** 09/29/06 15:03
ColumnID:	DB-1701	**%Moisture:** 18.0	**BatchNo:** 3915/R6834
Revision:	10/04/06 9:45	**TestCode:** 8082S3	**FileID:** 1-SAMP-E:\90oct06\D100214.rs
Col Type:	Primary		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY GC/ECD				**SW8082**	**(SW3550B)**		
Aroclor 1016	ND		0.610	0.0802	mg/Kg-dry	1	10/02/06 22:47
Aroclor 1221	ND		0.610	0.0813	mg/Kg-dry	1	10/02/06 22:47
Aroclor 1232	ND		0.610	0.0494	mg/Kg-dry	1	10/02/06 22:47
Aroclor 1242	ND		0.610	0.0670	mg/Kg-dry	1	10/02/06 22:47
Aroclor 1248	0.489	J	0.610	0.131	mg/Kg-dry	1	10/02/06 22:47
Aroclor 1254	ND		0.610	0.174	mg/Kg-dry	1	10/02/06 22:47
Aroclor 1260	ND		0.610	0.0732	mg/Kg-dry	1	10/02/06 22:47
Surr: Tetrachloro-m-xylene	50.0		44-134		%REC	1	10/02/06 22:47
Surr: Decachlorobiphenyl	52.3		36-141		%REC	1	10/02/06 22:47

NOTES:
Altered Aroclor 1248.

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits