



October 30, 2012

**Mr. John C. Grathwol, P.E.**

Remedial Bureau B - Div of Environmental Remediation  
New York State Department of Environmental Conservation  
625 Broadway  
Albany, NY 12233-7016

RE: Former Accurate Die Casting Site  
Fayetteville, New York  
FILE: 3902.45845 Corres

Dear Mr. Grathwol:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for the third quarter of 2012 (July 4 through September 28). This information is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

**OPERATION STATUS & ACTIVITIES COMPLETED**

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As of September 28, 2012, a total of 97,630,370 gallons of groundwater has been treated since startup on February 5, 1996. Since July 3, 2012, 646,170 gallons of groundwater have been treated: 264,210 gallons from recovery well RW-1, and 381,960 gallons from recovery well RW-2. No groundwater was collected from the sump located outside the northeast corner of the building or the collection trench constructed in the former VOC/PAH/PCB Soils Area.

O'Brien & Gere performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed during July, August and September 2012 are summarized in Table 1. The effluent during the period complied with the SPDES discharge limits. The laboratory analytical data sheets are provided as Attachment A.

**ACTIVITIES SCHEDULED**

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Continue operation of the groundwater recovery and treatment system including SPDES monitoring.

Conduct the annual round of groundwater monitoring during which samples will be collected from monitoring wells MW-5, MW-6, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15B, MW-16B, MW-17, MW-18, MW-21, MW-22, MW-24, PZ-1 and PZ-2.

If you have any questions regarding this report, please do not hesitate to call me at (315) 956-6100.

Very truly yours,  
**O'BRIEN & GERE ENGINEERS, INC.**

Alfred R. Farrell, P.E.  
Project Manager

Mr. John C. Grathwol, P.E.  
October 30, 2012  
Page 2

## Attachments

cc: T. Slutzky – The Anderson Company  
T. Olmsted – ITT Corporation  
M. Distler – O'Brien & Gere  
J. Sutphen – O'Brien & Gere, Office of General Counsel















**Life Science Laboratories, Inc.**

5854 Butternut Drive  
East Syracuse, NY 13057

(315) 445-1900

Thursday, July 26, 2012

Mr. Al Farrell  
O'Brien & Gere Engineers, Inc.  
333 W. Washington St.  
P.O. Box 4873  
Syracuse, NY 13221-4873

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1207045

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 5 sample(s) on 7/6/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,  
Life Science Laboratories, Inc.

Anthony Crescenzi  
Project Manager



**Life Science Laboratories, Inc.**

5854 Butternut Drive

East Syracuse, NY 13057 (315) 445-1900

**Analytical Results**

StateCertNo: 10248

**CLIENT:** O'Brien & Gere Engineers, Inc.

**Project:** Former Accurate Die Cast

**W Order:** K1207045

**Matrix:** WATER

**Lab ID:** K1207045-001A

**Client Sample ID:** Effluent Comp 7/6/12

**Collection Date:** 07/06/12 7:30

**Date Received:** 07/06/12 8:08

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
<b>MERCURY</b>			<b>EPA 245.1</b>	<b>(E245.1)</b>	
Mercury	ND		0.00020 mg/L	1	07/13/12 15:33
<b>TOTAL METALS BY ICP</b>			<b>EPA 200.7</b>	<b>(E200.2)</b>	
Zinc	ND		0.020 mg/L	5	07/24/12 15:39
<b>NOTES:</b> Sample analyzed by method 200.8					

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value exceeds the instrument calibration range
  - J Analyte detected below the PQL
  - P Prim./Conf. column %D or RPD exceeds limit
  - 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



**Life Science Laboratories, Inc.**  
 5854 Butternut Drive  
 East Syracuse, NY 13057 (315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.  
**Project:** Former Accurate Die Cast  
**W Order:** K1207045  
**Matrix:** WATER

**Lab ID:** K1207045-001B  
**Client Sample ID:** Effluent Comp 7/6/12  
**Collection Date:** 07/06/12 7:30  
**Date Received:** 07/06/12 8:08

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
<b>RESIDUE-FILTERABLE (TDS)</b> Residue-filterable (TDS)	720		<b>SM 18-20 2540 C</b> 10 mg/L	1	07/09/12
<b>RESIDUE-NON-FILTERABLE (TSS)</b> Residue-non-filterable (TSS)	ND		<b>SM 18-20 2540 D</b> 5.0 mg/L	1	07/09/12

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value exceeds the instrument calibration range
  - J Analyte detected below the PQL
  - P Prim./Conf. column %D or RPD exceeds limit
  - 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



**Life Science Laboratories, Inc.**  
 5854 Butternut Drive  
 East Syracuse, NY 13057 (315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT:** O'Brien & Gere Engineers, Inc.  
**Project:** Former Accurate Die Cast  
**W Order:** K1207045  
**Matrix:** WATER

**Lab ID:** K1207045-002A  
**Client Sample ID:** Influent Comp 7/6/12  
**Collection Date:** 07/06/12 7:30  
**Date Received:** 07/06/12 8:08

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
<b>MERCURY</b>			<b>EPA 245.1</b>	<b>(E245.1)</b>	
Mercury	ND		0.00020 mg/L	1	07/13/12 15:35
<b>TOTAL METALS BY ICP</b>			<b>EPA 200.7</b>	<b>(E200.2)</b>	
Zinc	ND		0.020 mg/L	5	07/24/12 15:59
<b>NOTES:</b> Sample analyzed by method 200.8					

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value exceeds the instrument calibration range
  - J Analyte detected below the PQL
  - P Prim./Conf. column %D or RPD exceeds limit
  - 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



# Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT:** O'Brien & Gere Engineers, Inc.

**Project:** Former Accurate Die Cast

**W Order:** K1207045

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 07/15/12 8:36

**Col Type:**

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W

**Lab ID:** K1207045-003A

**Client Sample ID:** Effluent Grab 7/6/12

**Collection Date:** 07/06/12 7:30

**Date Received:** 07/06/12 8:08

**PrepDate:**

**BatchNo:** R24297

**FileID:** 1-SAMP-T3597.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>		
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1	07/11/12 15:18
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	07/11/12 15:18
Methylene chloride	ND		2.00	µg/L	1	07/11/12 15:18
Tetrachloroethene	ND		0.50	µg/L	1	07/11/12 15:18
Toluene	ND		0.50	µg/L	1	07/11/12 15:18
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	07/11/12 15:18
Trichloroethene	ND		0.50	µg/L	1	07/11/12 15:18
Surr: 1,2-Dichloroethane-d4	112		75-130	%REC	1	07/11/12 15:18
Surr: 4-Bromofluorobenzene	102		75-125	%REC	1	07/11/12 15:18
Surr: Toluene-d8	97		75-125	%REC	1	07/11/12 15:18

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- 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



# Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT:** O'Brien & Gere Engineers, Inc.

**Project:** Former Accurate Die Cast

**W Order:** K1207045

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 07/15/12 8:36

**Col Type:**

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W

**Lab ID:** K1207045-004A

**Client Sample ID:** *Between Carbon Grab 7/6/12*

**Collection Date:** 07/06/12 7:30

**Date Received:** 07/06/12 8:08

**PrepDate:**

**BatchNo:** R24297

**FileID:** 1-SAMP-T3598.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>		
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1	07/11/12 15:50
cis-1,2-Dichloroethene	1.76		0.50	µg/L	1	07/11/12 15:50
Methylene chloride	ND		2.00	µg/L	1	07/11/12 15:50
Tetrachloroethene	ND		0.50	µg/L	1	07/11/12 15:50
Toluene	ND		0.50	µg/L	1	07/11/12 15:50
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	07/11/12 15:50
Trichloroethene	ND		0.50	µg/L	1	07/11/12 15:50
Surr: 1,2-Dichloroethane-d4	114		75-130	%REC	1	07/11/12 15:50
Surr: 4-Bromofluorobenzene	101		75-125	%REC	1	07/11/12 15:50
Surr: Toluene-d8	96		75-125	%REC	1	07/11/12 15:50

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- 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



# Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT:** O'Brien & Gere Engineers, Inc.

**Project:** Former Accurate Die Cast

**W Order:** K1207045

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 07/15/12 8:36

**Col Type:**

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W

**Lab ID:** K1207045-005A

**Client Sample ID:** Influent Grab 7/6/12

**Collection Date:** 07/06/12 7:30

**Date Received:** 07/06/12 8:08

**PrepDate:**

**BatchNo:** R24297

**FileID:** 1-SAMP-T3599.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>		
1,1,2,2-Tetrachloroethane	ND		10.0	µg/L	20	07/11/12 16:21
cis-1,2-Dichloroethene	ND		10.0	µg/L	20	07/11/12 16:21
Methylene chloride	ND		40.0	µg/L	20	07/11/12 16:21
Tetrachloroethene	ND		10.0	µg/L	20	07/11/12 16:21
Toluene	ND		10.0	µg/L	20	07/11/12 16:21
trans-1,2-Dichloroethene	ND		10.0	µg/L	20	07/11/12 16:21
Trichloroethene	558		10.0	µg/L	20	07/11/12 16:21
Surr: 1,2-Dichloroethane-d4	115		75-130	%REC	20	07/11/12 16:21
Surr: 4-Bromofluorobenzene	104		75-125	%REC	20	07/11/12 16:21
Surr: Toluene-d8	96		75-125	%REC	20	07/11/12 16:21

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- 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



**Life Science Laboratories, Inc.**  
**Central Lab**

5854 Butternut Drive  
 East Syracuse, New York 13057  
 (315) 445-1105

**Chain of Custody**

Client: <i>O'BRIEN &amp; GERE</i>						Analysis/Method												
Project: <i>Former Accurate Dye</i>						VOC 8021	VOC 8260	Zn, Hg	TSS, TDS									
Sampled by: <i>Martin Koennake</i>																		
Client Contact: <i>AL FARREL</i> Phone #																		
<b>Sample Description</b>																		
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers													
<i>Influent</i>	<i>7-6-12</i>	<i>730</i>	<i>Water</i>	<i>GRAB</i>	<i>3</i>	<i>3</i>												
<i>BETWEEN CARBONS</i>	<i>7-6-12</i>	<i>730</i>		<i>GRAB</i>	<i>3</i>	<i>3</i>												
<i>Effluent</i>	<i>7-6-12</i>	<i>730</i>		<i>GRAB</i>	<i>3</i>		<i>3</i>											
<i>Effluent</i>	<i>7-6-12</i>	<i>730</i>		<i>Comp</i>	<i>2</i>				<i>1</i>	<i>1</i>								
<i>Influent</i>	<i>7-6-12</i>	<i>730</i>	<i>Water</i>	<i>Comp</i>	<i>1</i>				<i>1</i>									
Relinquished by: <i>Martin Koennake</i> Date: <i>7-6-12</i> Time: <i>8:10</i>						Received by: _____ Date: _____ Time: _____												
Relinquished by: _____ Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____												
Relinquished by: _____ Date: _____ Time: _____						Received by Lab: <i>[Signature]</i> Date: <i>7/6/12</i> Time: <i>8:08</i>												
Shipment Method: <i>HAND</i>						Airbill Number: _____												

Turnaround Time Required:  
 Routine  \_\_\_\_\_  
 Rush \_\_\_\_\_

Comments:

Cooler Temperature: *10°C on ICE*

*10°C ON ICE*  
 Original - Laboratory  
 Copy - Client

**Life Science Laboratories, Inc.**

**Sample Receipt Checklist**

Client Name: **OBG-MS**

Date and Time Received: **7/6/2012 8:08:00 AM**

Work Order Number: **K1207045**

Received by: **hg**

Checklist completed by: AC Date: 7-6-12

Reviewed by: AC Date: 7-6-12

Delivery Method: Hand Delivered

- Shipping container/cooler in good condition? Yes  No  Not Present
- Custody seals intact on shipping container/cooler? Yes  No  Not Present
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted
- Water - pH acceptable upon receipt? Yes  No  Not Applicable

pH	Preservative	pH Acceptable			Sample ID	Volume of Preservative added in Lab.
>12	NaOH	Yes <input type="checkbox"/>	N <input type="checkbox"/>	NA <input checked="" type="checkbox"/>		
<2	HNO3	Yes <input checked="" type="checkbox"/>	N <input type="checkbox"/>	NA <input type="checkbox"/>		
<2	HSO4	Yes <input type="checkbox"/>	N <input type="checkbox"/>	NA <input checked="" type="checkbox"/>		
<2	1:1 HCL	Yes <input type="checkbox"/>	N <input type="checkbox"/>	NA <input checked="" type="checkbox"/>		
5-9	Pest/PCBs (608/8081)	Yes <input type="checkbox"/>	N <input type="checkbox"/>	NA <input checked="" type="checkbox"/>		

Comments:

Corrective Action:



**Life Science Laboratories, Inc.**

5854 Butternut Drive  
East Syracuse, NY 13057

(315) 445-1900

Thursday, July 26, 2012

Mr. Al Farrell  
O'Brien & Gere Engineers, Inc.  
333 W. Washington St.  
P.O. Box 4873  
Syracuse, NY 13221-4873

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1207087

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 7/11/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,  
Life Science Laboratories, Inc.

A handwritten signature in black ink, appearing to read "Anthony Crescenzi", written over a horizontal line.

Anthony Crescenzi  
Project Manager



**Life Science Laboratories, Inc.**  
 5854 Butternut Drive  
 East Syracuse , NY 13057 (315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.  
**Project:** Former Accurate Die Cast  
**W Order:** K1207087  
**Matrix:** WATER

**Lab ID:** K1207087-001A  
**Client Sample ID:** Effluent Comp 7/11/2012  
**Collection Date:** 07/11/12 8:00  
**Date Received:** 07/11/12 8:00

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
<b>RESIDUE-FILTERABLE (TDS)</b>			<b>SM 18-20 2540 C</b>		
Residue-filterable (TDS)	710		10 mg/L	1	07/12/12
<b>RESIDUE-NON-FILTERABLE (TSS)</b>			<b>SM 18-20 2540 D</b>		
Residue-non-filterable (TSS)	ND		5.0 mg/L	1	07/12/12

**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.

Sample Receipt Checklist

Client Name: OBG-MS  
Work Order Number: K1207087

Date and Time Received: 7/11/2012 8:00:00 AM  
Received by: gis

Checklist completed by: GS 7-11-12  
Initials Date

Reviewed by: AC 7-11-12  
Initials Date

Delivery Method: Hand Delivered

- Shipping container/cooler in good condition? Yes  No  Not Present
- Custody seals intact on shipping container/cooler? Yes  No  Not Present
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted
- Water - pH acceptable upon receipt? Yes  No  Not Applicable

Comments:

Corrective Action:



**Life Science Laboratories, Inc.**

5854 Butternut Drive  
East Syracuse, NY 13057

(315) 445-1900

Thursday, July 26, 2012

Mr. Al Farrell  
O'Brien & Gere Engineers, Inc.  
333 W. Washington St.  
P.O. Box 4873  
Syracuse, NY 13221-4873

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1207193

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 2 sample(s) on 7/16/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,  
Life Science Laboratories, Inc.

Anthony Crescenzi  
Project Manager



**Life Science Laboratories, Inc.**  
 5854 Butternut Drive  
 East Syracuse, NY 13057 (315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.

**Lab ID:** K1207193-001A

**Project:** Former Accurate Die Cast

**Client Sample ID:** Effluent Comp 7/16/12 07:30

**W Order:** K1207193

**Collection Date:** 07/16/12 7:30

**Matrix:** WATER

**Date Received:** 07/16/12 8:00

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
<b>RESIDUE-FILTERABLE (TDS)</b>			<b>SM 18-20 2540 C</b>		
Residue-filterable (TDS)	720		10 mg/L	1	07/19/12
<b>RESIDUE-NON-FILTERABLE (TSS)</b>			<b>SM 18-20 2540 D</b>		
Residue-non-filterable (TSS)	ND		5.0 mg/L	1	07/19/12

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value exceeds the instrument calibration range
  - J Analyte detected below the PQL
  - P Prim./Conf. column %D or RPD exceeds limit
  - 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



# Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

## Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.

**Project:** Former Accurate Die Cast

**W Order:** K1207193

**Matrix:** WATER

**Inst. ID:** MS04\_73

**ColumnID:** Rtx-VMS

**Revision:** 07/17/12 15:31

**Col Type:**

**Sample Size** 10 mL

**%Moisture:**

**TestCode** 8260W

**Lab ID:** K1207193-002A

**Client Sample ID:** Effluent Grab 7/16/12 07:30

**Collection Date:** 07/16/12 7:30

**Date Received:** 07/16/12 8:00

**PrepDate:**

**BatchNo:** R24313

**FileID:** 1-SAMP-R0165.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>		
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1	07/16/12 13:15
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	07/16/12 13:15
Methylene chloride	ND		2.00	µg/L	1	07/16/12 13:15
Tetrachloroethene	ND		0.50	µg/L	1	07/16/12 13:15
Toluene	ND		0.50	µg/L	1	07/16/12 13:15
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	07/16/12 13:15
Trichloroethene	ND		0.50	µg/L	1	07/16/12 13:15
Surr: 1,2-Dichloroethane-d4	102		75-130	%REC	1	07/16/12 13:15
Surr: 4-Bromofluorobenzene	100		75-125	%REC	1	07/16/12 13:15
Surr: Toluene-d8	106		75-125	%REC	1	07/16/12 13:15

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- 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



Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: OBG-MS  
Work Order Number: K1207193

Date and Time Received: 7/16/2012 8:00:00 AM  
Received by: gis

Checklist completed by: GS 7-16-12  
Initials Date

Reviewed by: AC 7-16-12  
Initials Date

Delivery Method: Hand Delivered

- |   |   |                             |  |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>               |
| Custody seals intact on shipping container/cooler?      | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/>    |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Water - VOA vials have zero headspace?                  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/>    |
| Water - pH acceptable upon receipt?                     | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |

Comments:

Corrective Action:



**Life Science Laboratories, Inc.**

5854 Butternut Drive  
East Syracuse, NY 13057

(315) 445-1900

Friday, August 03, 2012

Mr. Al Farrell  
O'Brien & Gere Engineers, Inc.  
333 W. Washington St.  
P.O. Box 4873  
Syracuse, NY 13221-4873

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1207246

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 7/23/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,  
Life Science Laboratories, Inc.

Anthony Crescenzi  
Project Manager



**Life Science Laboratories, Inc.**  
 5854 Butternut Drive  
 East Syracuse, NY 13057 (315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.  
**Project:** Former Accurate Die Cast  
**W Order:** K1207246  
**Matrix:** WATER

**Lab ID:** K1207246-001A  
**Client Sample ID:** Effluent Comp 7/23/2012  
**Collection Date:** 07/23/12 7:30  
**Date Received:** 07/23/12 8:03

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
<b>RESIDUE-FILTERABLE (TDS)</b>					
Residue-filterable (TDS)	720		10 mg/L	1	07/24/12
<b>RESIDUE-NON-FILTERABLE (TSS)</b>					
Residue-non-filterable (TSS)	9.0		5.0 mg/L	1	07/30/12

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- 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



Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: OBG-MS

Date and Time Received:

7/23/2012 8:03:00 AM

Work Order Number: K1207246

Received by: gis

Checklist completed by:

Initials

GS

Date

7-23-12

Reviewed by:

Initials

AC

Date

7-23-12

Delivery Method: Hand Delivered

- |   |   |                             |  |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>                       |
| Custody seals intact on shipping container/cooler?      | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/>            |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/>         |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Water - VOA vials have zero headspace?                  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                     | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/>         |

Comments:

Corrective Action:



**Life Science Laboratories, Inc.**

5854 Butternut Drive  
East Syracuse, NY 13057

(315) 445-1900

Thursday, August 09, 2012

Mr. Al Farrell  
O'Brien & Gere Engineers, Inc.  
333 W. Washington St.  
P.O. Box 4873  
Syracuse, NY 13221-4873

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1207310

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 7/30/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,  
Life Science Laboratories, Inc.

A handwritten signature in black ink, appearing to read 'Anthony Crescenzi', is written over a horizontal line.

Anthony Crescenzi  
Project Manager



**Life Science Laboratories, Inc.**  
 5854 Butternut Drive  
 East Syracuse, NY 13057 (315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.  
**Project:** Former Accurate Die Cast  
**W Order:** K1207310  
**Matrix:** WATER

**Lab ID:** K1207310-001A  
**Client Sample ID:** Effluent Comp 7/30/2012  
**Collection Date:** 07/30/12 8:00  
**Date Received:** 07/30/12 9:30

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
<b>RESIDUE-FILTERABLE (TDS)</b> Residue-filterable (TDS)	690		<b>SM 18-20 2540 C</b> 10 mg/L	1	07/31/12
<b>RESIDUE-NON-FILTERABLE (TSS)</b> Residue-non-filterable (TSS)	ND		<b>SM 18-20 2540 D</b> 5.0 mg/L	1	08/06/12

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value exceeds the instrument calibration range
  - J Analyte detected below the PQL
  - P Prim./Conf. column %D or RPD exceeds limit
  - 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



Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: OBG-MS

Date and Time Received:

7/30/2012 9:30:00 AM

Work Order Number: K1207310

Received by:

gis

Checklist completed by:

Initials

GS

Date

7-30-12

Reviewed by:

Initials

PC

Date

7-30-12

Delivery Method: Hand Delivered

- Shipping container/cooler in good condition? Yes  No  Not Present
- Custody seals intact on shipping container/cooler? Yes  No  Not Present
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted
- Water - pH acceptable upon receipt? Yes  No  Not Applicable

Comments:

Corrective Action:



**Life Science Laboratories, Inc.**

5854 Butternut Drive  
East Syracuse, NY 13057

(315) 445-1900

Tuesday, September 18, 2012

Mr. Al Farrell  
O'Brien & Gere Engineers, Inc.  
333 W. Washington St.  
P.O. Box 4873  
Syracuse, NY 13221-4873

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1208105

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 3 sample(s) on 8/10/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,  
Life Science Laboratories, Inc.

Anthony Crescenzi  
Project Manager



**Life Science Laboratories, Inc.**  
 5854 Butternut Drive  
 East Syracuse, NY 13057 (315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.  
**Project:** Former Accurate Die Cast  
**W Order:** K1208105  
**Matrix:** WATER

**Lab ID:** K1208105-001A  
**Client Sample ID:** Effluent Comp 8/10/12

**Collection Date:** 08/10/12 7:30  
**Date Received:** 08/10/12 8:05

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>RESIDUE-FILTERABLE (TDS)</b>			<b>SM 18-20 2540 C</b>			
Residue-filterable (TDS)	710		10	mg/L	1	08/14/12
<b>RESIDUE-NON-FILTERABLE (TSS)</b>			<b>SM 18-20 2540 D</b>			
Residue-non-filterable (TSS)	ND		5.0	mg/L	1	08/16/12

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- 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



# Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

## Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.

**Project:** Former Accurate Die Cast

**W Order:** K1208105

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 09/18/12 10:28

**Col Type:**

**Sample Size** 10 mL

**%Moisture:**

**TestCode** 8260W

**Lab ID:** K1208105-002A

**Client Sample ID:** Effluent Grab 8/10/12

**Collection Date:** 08/10/12 7:30

**Date Received:** 08/10/12 8:05

**PrepDate:**

**BatchNo:** R24537

**FileID:** 1-SAMP-T3932.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>		
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1	08/20/12 16:20
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	08/20/12 16:20
Methylene chloride	ND		2.00	µg/L	1	08/20/12 16:20
Tetrachloroethene	ND		0.50	µg/L	1	08/20/12 16:20
Toluene	ND		0.50	µg/L	1	08/20/12 16:20
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	08/20/12 16:20
Trichloroethene	ND		0.50	µg/L	1	08/20/12 16:20
Surr: 1,2-Dichloroethane-d4	101		75-130	%REC	1	08/20/12 16:20
Surr: 4-Bromofluorobenzene	99		75-125	%REC	1	08/20/12 16:20
Surr: Toluene-d8	101		75-125	%REC	1	08/20/12 16:20

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- 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



# Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

## Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.

**Project:** Former Accurate Die Cast

**W Order:** K1208105

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 09/18/12 10:28

**Col Type:**

**Sample Size** 10 mL

**%Moisture:**

**TestCode** 8260W

**Lab ID:** K1208105-003A

**Client Sample ID:** *Between Carbons Grab 8/10/12*

**Collection Date:** 08/10/12 7:30

**Date Received:** 08/10/12 8:05

**PrepDate:**

**BatchNo:** R24537

**FileID:** 1-SAMP-T3947.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>		
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1	08/21/12 0:11
cis-1,2-Dichloroethene	3.85		0.50	µg/L	1	08/21/12 0:11
Methylene chloride	ND		2.00	µg/L	1	08/21/12 0:11
Tetrachloroethene	ND		0.50	µg/L	1	08/21/12 0:11
Toluene	ND		0.50	µg/L	1	08/21/12 0:11
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	08/21/12 0:11
Trichloroethene	2.38		0.50	µg/L	1	08/21/12 0:11
Surr: 1,2-Dichloroethane-d4	103		75-130	%REC	1	08/21/12 0:11
Surr: 4-Bromofluorobenzene	99		75-125	%REC	1	08/21/12 0:11
Surr: Toluene-d8	101		75-125	%REC	1	08/21/12 0:11

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- 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

**Life Science Laboratories, Inc.**

**Sample Receipt Checklist**

Client Name: OBG-MS

Date and Time Received: 8/10/2012 8:05:00 AM

Work Order Number: K1208105

Received by: gis

Checklist completed by:

Initials GS

Date 8-10-12

Reviewed by:

Initials AC

Date 8-10-12

Delivery Method: Hand Delivered

- |   |   |                             |  |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>               |
| Custody seals intact on shipping container/cooler?      | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/>    |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Water - VOA vials have zero headspace?                  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/>    |
| Water - pH acceptable upon receipt?                     | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |

Comments:

Corrective Action:

K1208105



# Life Science Laboratories, Inc. Central Lab

5854 Butternut Drive  
East Syracuse, New York 13057  
(315) 445-1105

## Chain of Custody

Client: OBRIEN & GERE  
Project: Former Accurate Die  
Sampled by: MARTIN KOENNECKE  
Client Contact: AL FARREL Phone # \_\_\_\_\_

### Analysis/Method

### Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method						Comments		
						TSS, TDS	8260	8021						
EFFLUENT	8-10-12	730	water	Comp	1	1								
EFFLUENT	8-10-12	730	water	GRAB	3		3							
BETWEEN CARBONS	8-10-12	730	water	GRAB	3			3						

Relinquished by: Martin Koencke Date: 8-10-12 Time: 805 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Shipment Method: HAND Received by Lab: [Signature] Date: 8-10-12 Time: 08:05

Airbill Number: 1101

Turnaround Time Required:  
Routine X  
Rush \_\_\_\_\_

Comments:

Cooler Temperature: 11.0°C



**Life Science Laboratories, Inc.**

5854 Butternut Drive  
East Syracuse, NY 13057

(315) 445-1900

Sunday, August 26, 2012

Mr. Al Farrell  
O'Brien & Gere Engineers, Inc.  
333 W. Washington St.  
P.O. Box 4873  
Syracuse, NY 13221-4873

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1208125

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 8/13/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,  
Life Science Laboratories, Inc.

A handwritten signature in black ink, appearing to read "Anthony Crescenzi", is written over a horizontal line.

Anthony Crescenzi  
Project Manager



**Life Science Laboratories, Inc.**  
 5854 Butternut Drive  
 East Syracuse, NY 13057 (315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.  
**Project:** Former Accurate Die Cast  
**W Order:** K1208125  
**Matrix:** WATER

**Lab ID:** K1208125-001A  
**Client Sample ID:** Effluent Comp 8/13/2012  
**Collection Date:** 08/13/12 7:30  
**Date Received:** 08/13/12 8:08

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
<b>RESIDUE-FILTERABLE (TDS)</b>			<b>SM 18-20 2540 C</b>		
Residue-filterable (TDS)	690		10 mg/L	1	08/14/12
<b>RESIDUE-NON-FILTERABLE (TSS)</b>			<b>SM 18-20 2540 D</b>		
Residue-non-filterable (TSS)	ND		5.0 mg/L	1	08/16/12

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- 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



**Life Science Laboratories, Inc.**

**Sample Receipt Checklist**

Client Name: **OBG-MS**

Date and Time Received:

**8/13/2012 8:08:00 AM**

Work Order Number: **K1208125**

Received by: **gis**

Checklist completed by: ES 8-13-12  
Initials Date

Reviewed by: AC 8-13-12  
Initials Date

Delivery Method: Hand Delivered

- |   |   |                             |  |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>                       |
| Custody seals intact on shipping container/cooler?      | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/>            |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/>         |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Water - VOA vials have zero headspace?                  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                     | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/>         |

Comments:

Corrective Action:



**Life Science Laboratories, Inc.**

5854 Butternut Drive  
East Syracuse, NY 13057

(315) 445-1900

Tuesday, September 18, 2012

Mr. Al Farrell  
O'Brien & Gere Engineers, Inc.  
333 W. Washington St.  
P.O. Box 4873  
Syracuse, NY 13221-4873

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1208217

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 2 sample(s) on 8/21/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,  
Life Science Laboratories, Inc.

Anthony Crescenzi  
Project Manager



**Life Science Laboratories, Inc.**  
 5854 Butternut Drive  
 East Syracuse, NY 13057 (315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.  
**Project:** Former Accurate Die Cast  
**W Order:** K1208217  
**Matrix:** WATER

**Lab ID:** K1208217-001A  
**Client Sample ID:** Effluent Comp 8/21/12 08:30  
**Collection Date:** 08/21/12 8:30  
**Date Received:** 08/21/12 9:02

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
<b>RESIDUE-FILTERABLE (TDS)</b>					
Residue-filterable (TDS)	740		SM 18-20 2540 C 10 mg/L	1	08/24/12
<b>RESIDUE-NON-FILTERABLE (TSS)</b>					
Residue-non-filterable (TSS)	ND		SM 18-20 2540 D 5.0 mg/L	1	08/23/12

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value exceeds the instrument calibration range
  - J Analyte detected below the PQL
  - P Prim./Conf. column %D or RPD exceeds limit
  - 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



# Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.

**Project:** Former Accurate Die Cast

**W Order:** K1208217

**Matrix:** WATER

**Inst. ID:** MS04\_73

**ColumnID:** Rtx-VMS

**Revision:** 09/18/12 10:52

**Col Type:**

**Sample Size** 10 mL

**%Moisture:**

**TestCode** 8260W

**Lab ID:** K1208217-002A

**Client Sample ID:** Effluent Comp 8/21/12 08:30

**Collection Date:** 08/21/12 8:30

**Date Received:** 08/21/12 9:02

**PrepDate:**

**BatchNo:** R24538

**FileID:** 1-SAMP-R0656.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>		
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1	08/28/12 19:48
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	08/28/12 19:48
Methylene chloride	ND		2.00	µg/L	1	08/28/12 19:48
Tetrachloroethene	ND		0.50	µg/L	1	08/28/12 19:48
Toluene	ND		0.50	µg/L	1	08/28/12 19:48
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	08/28/12 19:48
Trichloroethene	ND		0.50	µg/L	1	08/28/12 19:48
Surr: 1,2-Dichloroethane-d4	108		75-130	%REC	1	08/28/12 19:48
Surr: 4-Bromofluorobenzene	98		75-125	%REC	1	08/28/12 19:48
Surr: Toluene-d8	104		75-125	%REC	1	08/28/12 19:48

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- 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



**Life Science Laboratories, Inc.**  
**Central Lab**

5854 Butternut Drive  
East Syracuse, New York 13057  
(315) 445-1105

K1208217

**Chain of Custody**

Client: O'BRIEN & GERE  
Project: Former Accurate Die  
Sampled by: Martin Koehncke  
Client Contact: AL FARREL Phone # \_\_\_\_\_

Analysis/Method

TSS, TDS	8260																		

**Sample Description**

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers
<u>EFFluent</u>	<u>8-21-12</u>	<u>830</u>	<u>water</u>	<u>Comp</u>	<u>1</u>
<u>EFFluent</u>	<u>8-21-12</u>	<u>830</u>	<u>water</u>	<u>GRAB</u>	<u>3</u>

Comments

Relinquished by: Martin Koehncke Date: 8-21-12 Time: 9:02  
Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Shipment Method: HAND

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Received by Lab: [Signature] Date: 8-21-12 Time: 9:02  
Airbill Number: \_\_\_\_\_

Turnaround Time Required:  
Routine X  
Rush \_\_\_\_\_  
Cooler Temperature: 11.0 ° on Ice

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: OBG-MS  
Work Order Number: K1208217

Date and Time Received: 8/21/2012 9:02:00 AM  
Received by: gis

Checklist completed by: GS 8-21-12  
Initials Date

Reviewed by: AC 8-21-12  
Initials Date

Delivery Method: Hand Delivered

- |   |   |                             |  |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>               |
| Custody seals intact on shipping container/cooler?      | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/>    |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Water - VOA vials have zero headspace?                  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/>    |
| Water - pH acceptable upon receipt?                     | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |

Comments:

Corrective Action:



**Life Science Laboratories, Inc.**

5854 Butternut Drive  
East Syracuse, NY 13057

(315) 445-1900

Friday, September 14, 2012

Mr. Al Farrell  
O'Brien & Gere Engineers, Inc.  
333 W. Washington St.  
P.O. Box 4873  
Syracuse, NY 13221-4873

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1208305

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 8/28/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,  
Life Science Laboratories, Inc.

Anthony Crescenzi  
Project Manager



**Life Science Laboratories, Inc.**  
 5854 Butternut Drive  
 East Syracuse , NY 13057 (315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.  
**Project:** Former Accurate Die Cast  
**W Order:** K1208305  
**Matrix:** WATER

**Lab ID:** K1208305-001A  
**Client Sample ID:** Effluent Comp 8/28/2012  
**Collection Date:** 08/28/12 7:30  
**Date Received:** 08/28/12 8:00

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
<b>RESIDUE-FILTERABLE (TDS)</b>			<b>SM 18-20 2540 C</b>		
Residue-filterable (TDS)	710		10 mg/L	1	08/28/12
<b>RESIDUE-NON-FILTERABLE (TSS)</b>			<b>SM 18-20 2540 D</b>		
Residue-non-filterable (TSS)	ND		5.0 mg/L	1	08/28/12

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- 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



# Life Science Laboratories, Inc.

## Sample Receipt Checklist

Client Name: **OBG-MS**

Date and Time Received:

**8/28/2012 8:00:00 AM**

Work Order Number: **K1208305**

Received by: **gis**

Checklist completed by:

Initials

**CS**

Date

**8-28-12**

Reviewed by:

Initials

**AC**

Date

**8-28-12**

Delivery Method: Hand Delivered

- |   |   |                             |  |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>                       |
| Custody seals intact on shipping container/cooler?      | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/>            |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/>         |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Water - VOA vials have zero headspace?                  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                     | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/>         |

Comments:

Corrective Action:



**Life Science Laboratories, Inc.**

5854 Butternut Drive  
East Syracuse, NY 13057

(315) 445-1900

Wednesday, October 10, 2012

Mr. Al Farrell  
O'Brien & Gere Engineers, Inc.  
333 W. Washington St.  
P.O. Box 4873  
Syracuse, NY 13221-4873

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1209009

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 3 sample(s) on 9/6/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,  
Life Science Laboratories, Inc.

A handwritten signature in cursive script, appearing to read "Anthony Crescenzi".

Anthony Crescenzi  
Project Manager



**Life Science Laboratories, Inc.**

5854 Butternut Drive  
East Syracuse, NY 13057 (315) 445-1900

**Analytical Results**

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.  
**Project:** Former Accurate Die Cast  
**W Order:** K1209009  
**Matrix:** WATER

**Lab ID:** K1209009-001A  
**Client Sample ID:** Effluent Comp 9/60/12  
**Collection Date:** 09/06/12 7:30  
**Date Received:** 09/06/12 8:08

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
<b>RESIDUE-FILTERABLE (TDS)</b>			<b>SM 18-20 2540 C</b>		
Residue-filterable (TDS)	820		10 mg/L	1	09/06/12
<b>RESIDUE-NON-FILTERABLE (TSS)</b>			<b>SM 18-20 2540 D</b>		
Residue-non-filterable (TSS)	ND		5.0 mg/L	1	09/10/12

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value exceeds the instrument calibration range
  - J Analyte detected below the PQL
  - P Prim./Conf. column %D or RPD exceeds limit
  - 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



# Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.

**Project:** Former Accurate Die Cast

**W Order:** K1209009

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 10/09/12 14:19

**Col Type:**

**Sample Size** 10 mL

**%Moisture:**

**TestCode** 8260W

**Lab ID:** K1209009-002A

**Client Sample ID:** Effluent Grab 9/60/12

**Collection Date:** 09/06/12 7:30

**Date Received:** 09/06/12 8:08

**PrepDate:**

**BatchNo:** R24617

**FileID:** 1-SAMP-T4199.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>		
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1	09/10/12 14:29
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	09/10/12 14:29
Methylene chloride	ND		2.00	µg/L	1	09/10/12 14:29
Tetrachloroethene	ND		0.50	µg/L	1	09/10/12 14:29
Toluene	ND		0.50	µg/L	1	09/10/12 14:29
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	09/10/12 14:29
Trichloroethene	ND		0.50	µg/L	1	09/10/12 14:29
Surr: 1,2-Dichloroethane-d4	104		75-130	%REC	1	09/10/12 14:29
Surr: 4-Bromofluorobenzene	99		75-125	%REC	1	09/10/12 14:29
Surr: Toluene-d8	99		75-125	%REC	1	09/10/12 14:29

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.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.

**Project:** Former Accurate Die Cast

**W Order:** K1209009

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 10/09/12 14:19

**Col Type:**

**Sample Size** 10 mL

**%Moisture:**

**TestCode** 8260W

**Lab ID:** K1209009-003A

**Client Sample ID:** *Between Carbons Grab 9/6/12*

**Collection Date:** 09/06/12 7:30

**Date Received:** 09/06/12 8:08

**PrepDate:**

**BatchNo:** R24617

**FileID:** 1-SAMP-T4200.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>		
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1	09/10/12 15:01
cis-1,2-Dichloroethene	5.65		0.50	µg/L	1	09/10/12 15:01
Methylene chloride	ND		2.00	µg/L	1	09/10/12 15:01
Tetrachloroethene	ND		0.50	µg/L	1	09/10/12 15:01
Toluene	ND		0.50	µg/L	1	09/10/12 15:01
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	09/10/12 15:01
Trichloroethene	7.95		0.50	µg/L	1	09/10/12 15:01
Surr: 1,2-Dichloroethane-d4	94		75-130	%REC	1	09/10/12 15:01
Surr: 4-Bromofluorobenzene	105		75-125	%REC	1	09/10/12 15:01
Surr: Toluene-d8	105		75-125	%REC	1	09/10/12 15:01

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.

Sample Receipt Checklist

Client Name: OBG-MS  
Work Order Number: K1209009

Date and Time Received: 9/6/2012 8:08:00 AM  
Received by: gis

Checklist completed by: JS 9-6-12  
Initials Date

Reviewed by: DP 9/7/12  
Initials Date

Delivery Method: Hand Delivered

- Shipping container/cooler in good condition? Yes  No  Not Present
- Custody seals intact on shipping container/cooler? Yes  No  Not Present
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted
- Water - pH acceptable upon receipt? Yes  No  Not Applicable

Comments:

Corrective Action:



**Life Science Laboratories, Inc.**

5854 Butternut Drive  
East Syracuse, NY 13057

(315) 445-1900

Friday, September 28, 2012

Mr. Al Farrell  
O'Brien & Gere Engineers, Inc.  
333 W. Washington St.  
P.O. Box 4873  
Syracuse, NY 13221-4873

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1209052

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 9/12/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,  
Life Science Laboratories, Inc.

Anthony Crescenzi  
Project Manager



**Life Science Laboratories, Inc.**  
 5854 Butternut Drive  
 East Syracuse , NY 13057 (315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.  
**Project:** Former Accurate Die Cast  
**W Order:** K1209052  
**Matrix:** WATER

**Lab ID:** K1209052-001A  
**Client Sample ID:** Effluent Comp 9/12/2012  
**Collection Date:** 09/12/12 7:30  
**Date Received:** 09/12/12 8:12

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
<b>RESIDUE-FILTERABLE (TDS)</b>			<b>SM 18-20 2540 C</b>		
Residue-filterable (TDS)	740		10 mg/L	1	09/13/12
<b>RESIDUE-NON-FILTERABLE (TSS)</b>			<b>SM 18-20 2540 D</b>		
Residue-non-filterable (TSS)	ND		5.0 mg/L	1	09/14/12

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value exceeds the instrument calibration range
  - J Analyte detected below the PQL
  - P Prim./Conf. column %D or RPD exceeds limit
  - 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



Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: OBG-MS

Date and Time Received: 9/12/2012 8:12:00 AM

Work Order Number: K1209052

Received by: gis

Checklist completed by: BS

9-12-12

Reviewed by: AC

9-12-12

Initials

Date

Initials

Date

Delivery Method: Hand Delivered

- |   |   |                             |  |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>                       |
| Custody seals intact on shipping container/cooler?      | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/>            |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/>         |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Water - VOA vials have zero headspace?                  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                     | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/>         |

Comments:

Corrective Action:



**Life Science Laboratories, Inc.**

5854 Butternut Drive  
East Syracuse, NY 13057

(315) 445-1900

Wednesday, October 10, 2012

Mr. Al Farrell  
O'Brien & Gere Engineers, Inc.  
333 W. Washington St.  
P.O. Box 4873  
Syracuse, NY 13221-4873

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1209103

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 2 sample(s) on 9/18/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,  
Life Science Laboratories, Inc.

A handwritten signature in black ink, appearing to read "Anthony Crescenzi", is written over a light blue horizontal line.

Anthony Crescenzi  
Project Manager



**Life Science Laboratories, Inc.**  
 5854 Butternut Drive  
 East Syracuse, NY 13057 (315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.  
**Project:** Former Accurate Die Cast  
**W Order:** K1209103  
**Matrix:** WATER

**Lab ID:** K1209103-001A  
**Client Sample ID:** Effluent Comp 9/18/12 7:30  
**Collection Date:** 09/18/12 7:30  
**Date Received:** 09/18/12 8:05

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
<b>RESIDUE-FILTERABLE (TDS)</b>			<b>SM 18-20 2540 C</b>		
Residue-filterable (TDS)	720		10 mg/L	1	09/19/12
<b>RESIDUE-NON-FILTERABLE (TSS)</b>			<b>SM 18-20 2540 D</b>		
Residue-non-filterable (TSS)	ND		5.0 mg/L	1	09/20/12

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value exceeds the instrument calibration range
  - J Analyte detected below the PQL
  - P Prim./Conf. column %D or RPD exceeds limit
  - 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



# Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.

**Project:** Former Accurate Die Cast

**W Order:** K1209103

**Matrix:** WATER

**Inst. ID:** MS04\_73

**ColumnID:** Rtx-VMS

**Revision:** 10/10/12 9:55

**Col Type:**

**Sample Size** NA

**%Moisture:**

**TestCode** 8260W

**Lab ID:** K1209103-002A

**Client Sample ID:** Effluent Grab 9/18/12 7:30

**Collection Date:** 09/18/12 7:30

**Date Received:** 09/18/12 8:05

**PrepDate:**

**BatchNo:** R24621

**FileID:** 1-SAMP-R1037.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>		
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1	09/23/12 15:18
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	09/23/12 15:18
Methylene chloride	ND		2.00	µg/L	1	09/23/12 15:18
Tetrachloroethene	ND		0.50	µg/L	1	09/23/12 15:18
Toluene	ND		0.50	µg/L	1	09/23/12 15:18
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	09/23/12 15:18
Trichloroethene	ND		0.50	µg/L	1	09/23/12 15:18
Surr: 1,2-Dichloroethane-d4	110		75-130	%REC	1	09/23/12 15:18
Surr: 4-Bromofluorobenzene	102		75-125	%REC	1	09/23/12 15:18
Surr: Toluene-d8	97		75-125	%REC	1	09/23/12 15:18

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- 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

K1209103



# Life Science Laboratories, Inc. Central Lab

5854 Butternut Drive  
East Syracuse, New York 13057  
(315) 445-1105

## Chain of Custody

Client: O'BRIEN & GERE  
 Project: Former ACCURATE DIE  
 Sampled by: MARTIN KOENNECKE  
 Client Contact: AL FARREL Phone # \_\_\_\_\_

Sample Description						Analysis/Method							Comments
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers								
<u>011A</u> <u>EFFLUENT</u>	<u>9-18-12</u>	<u>7:30</u>	<u>WATER</u>	<u>COMP</u>	<u>1</u>	<u>1</u>							
<u>EFFLUENT</u>	<u>9-18-12</u>	<u>7:30</u>	<u>WATER</u>	<u>GRAB</u>	<u>3</u>		<u>3</u>						

Relinquished by: Martin Koennecke Date: 9-18-12 Time: 8:05  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Shipment Method: HAND Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by Lab: [Signature] Date: 9-18-12 Time: 08:05  
 Airbill Number: \_\_\_\_\_

Turnaround Time Required:  
 Routine X  
 Rush \_\_\_\_\_  
 Cooler Temperature: 9.0 °C on Ice

Comments:

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: OBG-MS  
Work Order Number: K1209103

Date and Time Received: 9/18/2012 8:05:00 AM  
Received by: gis

Checklist completed by: GS 9-18-12  
Initials Date

Reviewed by: AL 9-18-12  
Initials Date

Delivery Method: Hand Delivered

- Shipping container/cooler in good condition? Yes  No  Not Present
- Custody seals intact on shipping container/cooler? Yes  No  Not Present
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted
- Water - pH acceptable upon receipt? Yes  No  Not Applicable

Comments:

Corrective Action:



**Life Science Laboratories, Inc.**

5854 Butternut Drive  
East Syracuse, NY 13057

(315) 445-1900

Wednesday, October 10, 2012

Mr. Al Farrell  
O'Brien & Gere Engineers, Inc.  
333 W. Washington St.  
P.O. Box 4873  
Syracuse, NY 13221-4873

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1209232

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 9/25/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,  
Life Science Laboratories, Inc.

A handwritten signature in black ink, appearing to read "Anthony Crescenzi", is written over a light blue horizontal line.

Anthony Crescenzi  
Project Manager



**Life Science Laboratories, Inc.**  
 5854 Butternut Drive  
 East Syracuse, NY 13057 (315) 445-1900

# Analytical Results

StateCertNo: 10248

**CLIENT** O'Brien & Gere Engineers, Inc.  
**Project:** Former Accurate Die Cast  
**W Order:** K1209232  
**Matrix:** WATER

**Lab ID:** K1209232-001A  
**Client Sample ID:** Effluent Comp 9/25/2012  
**Collection Date:** 09/25/12 6:30  
**Date Received:** 09/25/12 9:20

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
<b>RESIDUE-FILTERABLE (TDS)</b>			<b>SM 18-20 2540 C</b>		
Residue-filterable (TDS)	690		10 mg/L	1	09/25/12
<b>RESIDUE-NON-FILTERABLE (TSS)</b>			<b>SM 18-20 2540 D</b>		
Residue-non-filterable (TSS)	ND		5.0 mg/L	1	09/27/12

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- 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



Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: OBG-MS

Date and Time Received: 9/25/2012 9:20:00 AM

Work Order Number: K1209232

Received by: gis

Checklist completed by: GS 9-25-12  
Initials Date

Reviewed by: AC 9-25-12  
Initials Date

Delivery Method: Hand Delivered

- |   |   |                             |  |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>                       |
| Custody seals intact on shipping container/cooler?      | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/>            |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/>         |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Water - VOA vials have zero headspace?                  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                     | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/>         |

Comments:

Corrective Action: