

April 17, 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 first quarter of 2012 (December 30, 2011 through March 30, 2012). 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

As of March 30, 2012, a total of 95,935,250 gallons of groundwater has been treated since startup on February 5, 1996. Since December 29, 2011, 1,074,940 gallons of groundwater have been treated: 354,930 gallons from recovery well RW-1, and 720,010 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 January, February, and March 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

Continue operation of the groundwater recovery and treatment system including SPDES monitoring, and conduct the semi-annual groundwater sampling including monitoring wells MW-10, MW-11, MW-13, MW-18 and MW-24. Groundwater levels will also be measured in the on-site wells.

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 Associate Mr. John C. Grathwol, P.E. April 17, 2012 Page 2

Attachments

cc: T. Slutzky – The Anderson Company

T. Olmsted – ITT Corporation

S. Roland - O'Brien & Gere

J. Sutphen – O'Brien & Gere, Office of General Counsel

		Monitoring Re	quirements											
	Discharge	Discharge	Minimum											
Analyte (units)	Limitation	Limitation	Measurement	Sample	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Daily Average	Daily Maximum	Frequency (1)	Type	1/3/2012	1/4/2012	1/5/2012	1/9/2012	1/10/2012	1/12/2012	1/13/2012	1/16/2012	1/17/2012	1/18/2012
Flow (GPD)	Monitor	150000	Continuous	Meter		11703	11622	11667	11597	11607	11657	11589	11612	11740
pH (SU)	6.5-8.5		2/Week	Grab		8.29	8.29	8.29	8.32	8.29	8.27	8.29	8.29	8.29
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	5 U			5 U						5 U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	680			690						650
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.	0.0002 U									
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	0.02 U									
					0.5 U									0.5 U
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.5 U									0.5 U
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab										
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab	2 U									2 U
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab	0.5 U									0.5 U
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab	0.5 U									0.5 U
Toluene (ug/L)	Monitor	20	2/Month	Grab	0.5 U									0.5 U
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.5 U									0.5 U

⁻ Not analyzed, NA - Data Not available

U - Not Detected, J - Estimated, H - Holding times for preparation or analyses exceeded

⁽¹⁾ Minimum monitoring requirements based on SPEDES permit modified November, 21, 1997.

		Monitoring Re	quirements											
	Discharge	Discharge	Minimum											
Analyte (units)	Limitation	Limitation	Measurement	Sample	Effluent	Effluent	Effluent	Effluent						
	Daily Average	Daily Maximum	Frequency (1)	Type	1/19/2012	1/23/2012	1/24/2012	1/25/2012	1/26/2012	1/30/2012	1/31/2012	2/6/2012	2/7/2012	2/10/2012
Flow (GPD)	Monitor	150000	Continuous	Meter	11727	11829	11863	11775	11850	11932	12020	7975	12190	12240
pH (SU)	6.5-8.5		2/Week	Grab	8.29	8.27	8.29	8.27	8.27	8.27	8.27	8.13	8.39	8.31
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.			5 U			5 U		5 U		
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.			680			670		960		
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.										
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.										
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab								0.5 U		
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab								0.5 U		
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab								2 U		
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab								0.5 U		
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab								0.5 U		
Toluene (ug/L)	Monitor	20	2/Month	Grab								0.5 U		
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab								0.5 U		

^{--- -} Not analyzed, NA - Data Not available

U - Not Detected, J - Estimated, H - Holding times for preparation or analyses exceeded

⁽¹⁾ Minimum monitoring requirements based on SPEDES permit modified November, 21, 1997.

		Monitoring Re	quirements											
	Discharge	Discharge	Minimum											
Analyte (units)	Limitation	Limitation	Measurement	Sample	Effluent									
	Daily Average	Daily Maximum	Frequency (1)	Type	2/13/2012	2/14/2012	2/15/2012	2/17/2012	2/21/2012	2/22/2012	2/23/2012	2/24/2012	2/28/2012	2/29/2012
Flow (GPD)	Monitor	150000	Continuous	Meter	12103	12326	12271	12277	12245	12208	12256	12177	12072	11990
pH (SU)	6.5-8.5		2/Week	Grab	8.34	8.29	8.35	8.4	8.48	8.41	8.4	8.31	8.33	8.38
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	5 U				5 U				5 U	
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	650				640				660	
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.										
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.										
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab					0.5 U					
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab					0.5 U					
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab					2 U					
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab					0.5 U					
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab					0.5 U					
Toluene (ug/L)	Monitor	20	2/Month	Grab					0.5 U					
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab					0.5 U					

^{--- -} Not analyzed, NA - Data Not available

U - Not Detected, J - Estimated, H - Holding times for preparation or analyses exceeded

⁽¹⁾ Minimum monitoring requirements based on SPEDES permit modified November, 21, 1997.

		Monitoring Re	quirements											
	Discharge	Discharge	Minimum											
Analyte (units)	Limitation	Limitation	Measurement	Sample	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Daily Average	Daily Maximum	Frequency (1)	Type	3/1/2012	3/5/2012	3/6/2012	3/8/2012	3/9/2012	3/12/2012	3/14/2012	3/16/2012	3/23/2012	3/26/2012
Flow (GPD)	Monitor	150000	Continuous	Meter	12150	13278	11960	11650	12220	12105	12274	12099	12076	12051
pH (SU)	6.5-8.5		2/Week	Grab	8.31	8.27	8.33	7.6	7.3	7.1	7.11	7.29	7.31	7.25
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.		5 U				5 U			5 U	5 U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.		620				720			660	640
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.										
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.										
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab		0.5 U							0.5 U	
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab		0.5 U							0.5 U	
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab		2 U							2 U	
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab		0.5 U							0.5 U	
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab		0.5 U							0.5 U	
Toluene (ug/L)	Monitor	20	2/Month	Grab		0.5 U							0.5 U	
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab		0.5 U							0.5 U	

^{--- -} Not analyzed, NA - Data Not available

U - Not Detected, J - Estimated, H - Holding times for preparation or analyses exceeded

⁽¹⁾ Minimum monitoring requirements based on SPEDES permit modified November, 21, 1997.

		Monitoring Re				
	Discharge	Discharge	Minimum		1	
Analyte (units)	Limitation	Limitation	Measurement	Sample	Effluent	Effluent
	Daily Average	Daily Maximum	Frequency (1)	Type	3/27/2012	3/30/2012
Flow (GPD)	Monitor	150000	Continuous	Meter	11882	11917
pH (SU)	6.5-8.5		2/Week	Grab	7.34	7.27
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.		
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.		
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.		
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.		
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab		
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab		
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab		
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab		
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab		
Toluene (ug/L)	Monitor	20	2/Month	Grab		
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab		



Friday, January 13, 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.: K1201001

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 5 sample(s) on 1/3/2012 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



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: K1201001 Matrix: WATER

Lab ID:

K1201001-001A

Client Sample ID: WTP Effluent Comp 1/3/12

Collection Date: Date Received:

01/03/12 8:00 01/03/12 8:50

Analyte	Result Qual	PQL Units	DF	Date Analyzed
MERCURY		EPA 245.1	(E245	5.1)
Mercury	ND	0.00020 mg/L	1	01/11/12 15:44
TOTAL METALS BY ICP		EPA 200.7	(E200	0.2)
Zinc	ND	0.020 mg/L	1	01/06/12 14:33

Qualifiers:

Value exceeds Maximum Contaminant Level

Value exceeds the instrument calibration range

Analyte detected below the PQL

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

Print Date: 01/13/12 12:59 Project Supervisor: Anthony Crescenzi Page 1 of 2



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: K1201001 Matrix: WATER

Lab ID:

K1201001-001B

Client Sample ID: WTP Effluent Comp 1/3/12

Collection Date: Date Received:

01/03/12 8:00 01/03/12 8:50

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	680	10 mg/L	1	01/06/12 9:30
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND ND	5.0 mg/L	1	01/03/12 14:00

Qualifiers:

* Value exceeds Maximum Contaminant Level

Value exceeds the instrument calibration range

Analyte detected below the PQL

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)

Spike Recovery outside accepted recovery limits

Project Supervisor: Anthony Crescenzi Page 1 of 1 Print Date: 01/13/12 13:06



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: K1201001 Matrix: WATER

Lab ID:

K1201001-002A

Client Sample ID: WTP Influent Comp 1/3/12

Collection Date: Date Received:

01/03/12 8:00 01/03/12 8:50

Analyte	Result Qual	PQL Units	DF	Date Analyzed
MERCURY		EPA 245.1	(E245	5.1)
Mercury	ND	0.00020 mg/L	1	01/11/12 15:46
TOTAL METALS BY ICP		EPA 200.7	(E200	0.2)
Zinc	ND	0.020 mg/L	1	01/06/12 14:37

Qualifiers:

Value exceeds Maximum Contaminant Level

Value exceeds the instrument calibration range

Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

B Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Print Date: 01/13/12 12:59 Project Supervisor: Anthony Crescenzi Page 2 of 2

Analytical Results

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

Project:

Former Accurate Die Cast

W Order:

K1201001

Matrix:

Inst. ID:

WATER

MS03 10

ColumnID **Revision:**

Rtx-502.2

01/05/12 8:48

Sample Size: 10 mL %Moisture:

TestCode 8260W

Lab ID:

K1201001-003A

Client Sample ID: WTP Effluent Grab 1/3/12

Collection Date: Date Received:

01/03/12 8:00 01/03/12 8:50

PrepDate:

BatchNo:

R23364

FileID: 1-SAMP-J3379.D

Col Type:

Analyte	Result Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS	S BY GC/MS		SW8260B		
1,1,2,2-Tetrachloroethane	ND	0.50	μg/L	1	01/04/12 17:48
cis-1,2-Dichloroethene	ND	0.50	μg/L	1	01/04/12 17:48
Methylene chloride	ND	2.00	μg/L	1	01/04/12 17:48
Tetrachloroethene	ND	0.50	μg/L	1	01/04/12 17:48
Toluene	ND	0.50	μg/L	1	01/04/12 17:48
trans-1,2-Dichloroethene	ND	0.50	μg/L	1	01/04/12 17:48
Trichloroethene	ND	0.50	μg/L	1	01/04/12 17:48
Surr: 1,2-Dichloroethane-d4	105	75-128	%REC	1	01/04/12 17:48
Surr: 4-Bromofluorobenzene	108	75-125	%REC	1	01/04/12 17:48
Surr: Toluene-d8	97	75-125	%REC	1	01/04/12 17:48

Qualifiers:

- Value exceeds Maximum Contaminant Level
- Value exceeds the instrument calibration range
- Analyte detected below the PQL
- 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

Print Date: 01/13/12 13:00

588848

Project Supervisor: Anthony Crescenzi

Page 1 of 3

Analytical Results

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

Project:

Former Accurate Die Cast

W Order:

K1201001

Matrix:

Revision:

Col Type:

WATER

Inst. ID:

Surr: Toluene-d8

MS03 10

Rtx-502.2 ColumnID

01/05/12 8:48

Sample Size: 10 mL %Moisture:

TestCode 8260W

Lab ID:

K1201001-004A

Client Sample ID: WTP Between Carbon Grab

%REC

1

1/3/12

Collection Date: Date Received:

01/03/12 8:00 01/03/12 8:50

PrepDate:

BatchNo: FileID:

R23364

1-SAMP-J3380.D

Units DF **Date Analyzed** Result Qual PQL Analyte **VOLATILE ORGANIC COMPOUNDS BY GC/MS** SW8260B 01/04/12 18:23 1.1.2.2-Tetrachloroethane ND 0.50 μg/L 1 ND 0.50 μg/L 1 01/04/12 18:23 cis-1,2-Dichloroethene 01/04/12 18:23 ND 2.00 μg/L Methylene chloride ND 0.50 μg/L 01/04/12 18:23 Tetrachloroethene 01/04/12 18:23 ND 0.50 μg/L Toluene 01/04/12 18:23 0.50 μg/L 1 ND trans-1,2-Dichloroethene 01/04/12 18:23 ND 0.50 μg/L Trichloroethene %REC 01/04/12 18:23 106 75-128 1 Surr: 1,2-Dichloroethane-d4 01/04/12 18:23 107 75-125 %REC 1 Surr: 4-Bromofluorobenzene

75-125

94

Qualifiers:

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

Page 2 of 3

01/04/12 18:23

Analytical Results

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

Project:

Former Accurate Die Cast

W Order:

K1201001

Matrix:

WATER

Inst. ID: ColumnID MS03 10

Rtx-502.2

01/05/12 8:48

Sample Size: 10 mL %Moisture:

TestCode 8260W

Lab ID:

K1201001-005A

Client Sample ID: WTP Influent Grab 1/3/12

Collection Date: Date Received:

01/03/12 8:00 01/03/12 8:50

PrepDate:

BatchNo: FileID:

R23364

1-SAMP-J3381.D

Revision: Col Type:

Analyte	Result Qual	Result Qual PQL		DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS	BY GC/MS		SW8260B		
1,1,2,2-Tetrachloroethane	ND	10.0	μg/L	20	01/04/12 18:58
cis-1,2-Dichloroethene	ND	10.0	μg/L	20	01/04/12 18:58
Methylene chloride	ND	40.0	μg/L	20	01/04/12 18:58
Tetrachloroethene	ND	10.0	μg/L	20	01/04/12 18:58
Toluene	ND	10.0	μg/L	20	01/04/12 18:58
trans-1,2-Dichloroethene	ND	10.0	μg/L	20	01/04/12 18:58
Trichloroethene	460	10.0	μg/L	20	01/04/12 18:58
Surr: 1,2-Dichloroethane-d4	106	75-128	%REC	20	01/04/12 18:58
Surr: 4-Bromofluorobenzene	118	75-125	%REC	20	01/04/12 18:58
Surr: Toluene-d8	94	75-125	%REC	20	01/04/12 18:58

Qualifiers:

- Value exceeds Maximum Contaminant Level
- Value exceeds the instrument calibration range
- Analyte detected below the PQL
- 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)
- Spike Recovery outside accepted recovery limits

Page 3 of 3



Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

Client: ORRIEN & GERE	lient: OBRIEN & GERE														
Project: Former Accuse Ate D										Ar	nalysis	/Meth	od		
Project: FORMER ACCURATE DI Sampled by: MARTIN KOENNECK	<u>e</u>						/						1		
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							/ 🕽			$\mathcal{L}_{\mathcal{L}}$			/		
Sample Des)				1/2			, \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	`/		/	·	
Sample Location	Dat Collec		Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	/ W		\	\ P_2			/	Comments	
10110 Effect	/-3.	-12	8:00	WATER		a	1	1.	/	<u> </u>	(Ostrinona	
IN HELVENT	1-3-	12	1 ~ 1	water	Comp	1	1								
as EffluenT	1-3	12	8:00	water	GRAB	3			3						
005 BETWEEN CARBONS	1-3-			witer		3				3					
Influent	1-3-	12	8:00	water	GRAB	3				3					
															
	-														
Relinquished by: Math fourthe		Da	te:/- <i>3-/</i>	2 Time	:8:50	Receive	d bý:		100 Marie 1949 Marie 1			'Da	ate:	Time:	
Relinquished by:		Da	te:	Time	:	Receive	d by:					Da	ate:	Time:	
Relinquished by:		Da	te:	Time		Receive	d by Lat	o: /	7 -						
Shipment Method: HAND						Airbill N		(-	}_	<u> </u>	**************************************		ate: /-3.	12 Time:08150	
Turnaround Time Required: Routine Rush	Comme	ents				/ William	umber.								
Cooler Temperature: 10.00 on I a														Original - Laboratory	

Sample Receipt Checklist

Client Name: OBG-MS		Date and Time Received:	1/3/2012 8:50:00 AM
Work Order Number: K1201001		Received by: gis	
Checklist completed by:	1-3-17_ Date	Reviewed by: Initials	AC 1-3-12 Date
Delivery Me	thod: <u>Hand Delivered</u>		
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 🗆	
•	Yes ✓	No 🗆	
Container/Temp Blank temperature in compliance?	Yes ✓		hmittad
Water - VOA vials have zero headspace?		_	
Water - pH acceptable upon receipt?	Yes 🔽	No Not Applicable	
pH Preservative pH Acceptable	Sample ID	Volume of Preservati	ve added in Lab.
>12 NaOH Yes ☐ N ☐ NA 🗹			
<2 HNO3 Yes V N NA			
<2 HSO4 Yes N NA V			
<2 1:1 HCL Yes ☑ N ☐ NA ☐			
5-9 Pest/PCBs (608/8081) Yes 🗌 N 🔲 NA 🗹			

Comments:

Corrective Action:



Tuesday, January 31, 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.: K1201036

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 1/9/2012 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



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

Lab ID:

K1201036-001A

Client Sample ID: Effluent Comp 1/9/12

W Order: K1201036 Matrix: WATER

Collection Date: Date Received:

01/09/12 7:30 01/09/12 8:01

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	690	10 mg/L	1	01/10/12 11:00
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	01/12/12 10:00

Qualifiers:

- Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- Analyte detected below the PQL
- 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)
- Spike Recovery outside accepted recovery limits

Print Date: 01/31/12 11:39 Project Supervisor: Anthony Crescenzi



Life Science Laboratories, Inc. Central Lab

5854 Butternut Drive East Syracuse, New York 13057 (315) 445-1105 **Chain of Custody**

Client: OBRIEN & GERE				741		T							
Project: FORMER ACCEPTED			·				· 7 -	· / ···································	A	nalysis	s/Meth	od	
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Sample Descri	riptio	n				1/6			• /		/	/	
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp.	No. of Containers	[/ K							
	1-9-12				Containers	/	/	 	 	 	/	/	Comments
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		-					ļ						
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Relinquished by:		ate:	Time		Receive			2 January			Da	ate:	Time:
Shipment Method: HAND			THIE.	·	Receive		0:		maken assumed to a spirit of the	<u>= 00 - 1</u>	2 De	ite:	Time:
Turnaround Time Demand					Airbill Nu	ımber:							
Routine	nments	:											
Rush													
Cooler Temperature:													

Sample Receipt Checklist

Client Name: OBG-MS		Date and Ti	me Received:		1/9/2012 8:01:00 AM
Work Order Number: K1201036		Received by	y: esb		
Checklist completed by:	1-9-12.	Reviewed	by: Initials	pr	1 - 9 - 1 > Date
	/ Method: <u>Hand Delivered</u>			ı	
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 Applica	ole 🗹	
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 Applical	ole 🗸	

Comments:

Corrective Action:



Thursday, February 02, 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.: K1201141

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 2 sample(s) on 1/18/2012 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.

Anthony Crescenzi

Project Manager



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: K1201141 Matrix: WATER

Lab ID:

K1201141-001A

Client Sample ID: Effluent Comp 1/18/12 07:30

Collection Date: Date Received:

01/18/12 7:30 01/18/12 8:08

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	650	10 mg/L	1	01/19/12 8:54
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	01/24/12 14:00

Qualifiers:

Value exceeds Maximum Contaminant Level

Value exceeds the instrument calibration range

Analyte detected below the PQL

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)

Spike Recovery outside accepted recovery limits

Print Date: 02/02/12 13:33 Project Supervisor: Anthony Crescenzi Page 1 of 1

Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057

Analytical Results

(315) 445-1900

StateCertNo: 10248

CLIENT

Lab ID:

Project:

O'Brien & Gere Engineers, Inc.

K1201141-002A Client Sample ID: Effluent Grab 1/18/12 07:30

W Order:

Former Accurate Die Cast

Collection Date:

01/18/12 7:30

Matrix:

K1201141

Date Received:

WATER

01/18/12 8:08

Inst. ID:

MSK 75

Sample Size 10 mL

PrepDate:

R23453

ColumnID: Rtx-VMS **Revision:**

01/24/12 14:23

%Moisture: TestCode 8260W BatchNo: FileID:

1-SAMP-K7887.D

Cal Type

Analyte	Result Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUND	S BY GC/MS		SW8260B		
1,1,2,2-Tetrachloroethane	ND	0.50	μg/L	1	01/20/12 20:56
cis-1,2-Dichloroethene	ND	0.50	μg/L	1	01/20/12 20:56
Methylene chloride	ND	2.00	μg/L	1	01/20/12 20:56
Tetrachloroethene	ND	0.50	μg/L	1	01/20/12 20:56
Toluene	ND	0.50	μ g /L	1	01/20/12 20:56
trans-1,2-Dichloroethene	ND	0.50	μg/L	1	01/20/12 20:56
Trichloroethene	ND	0.50	μg/L	1	01/20/12 20:56
Surr: 1,2-Dichloroethane-d4	114	75-128	%REC	1	01/20/12 20:56
Surr: 4-Bromofluorobenzene	108	75-125	%REC	1	01/20/12 20:56
Surr: Toluene-d8	101	75-125	%REC	1	01/20/12 20:56

Qualifiers:

Value exceeds Maximum Contaminant Level

Value exceeds the instrument calibration range

Analyte detected below the PQL

Prim./Conf. column %D or RPD exceeds limit

Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

Spike Recovery outside accepted recovery limits



Cooler Temperature:

Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

Client: OBRIEN & GERE	-									Δr	nalveie	Meth	od	
Project: ACCURATE DIE								/ /		· / (/	/ /	/ /	
Sampled by: MARTIN KOENNECK	10						} /		/	: /	/	/		
	hone	#					/	\sqrt{s}	. /				_ /	
Sample Des		-					} / /	36/25	<u>.</u> /-				- /	
1	Dat		Time	Sample	Carre	No of	\\ (×)		/ .			/		
Sample Location	Collec	ted	Collected	Matrix	Comp. or Grab	No. of Containers	1/1	/ 40	/	/	/	/	-/	Comments
EffLuenT	1-18	12	7:30	water	Comp									00/A
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Shipment Method: $\mathcal{H}AND$		<u> </u>		-		Airbill N	umber:			:			. ,,	12 Time 8 0 8
Turnaround Time Required: C Routine X Rush	omme	ents	:											

Original - Laboratory Copy - Client

Sample Receipt Checklist

Client Name: OBG-MS		Date and Ti	ime Received:	1/18/2012 8:08:00 AM
Work Order Number: K1201141		Received by	y: hg	
Checklist completed by: Initials Date	18-12	Reviewed	by: According to the last of t	1-15-12 Date
Delivery Method	d: 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 submitte	d 🗀
Nater - pH acceptable upon receipt?	Yes	No 🗌	Not Applicable 🗹	

Comments:

Corrective Action:



Wednesday, February 08, 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.: K1201199

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 1/24/2012 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



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: K1201199 Matrix: WATER Lab ID: K1201199-001A

Client Sample ID: Effluent Comp 1/24/12

Collection Date:

01/24/12 7:30

Date Received: 01/24/12 8:32

Analyte	Result Qua	PQL Units	DF	Date Analyze				
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C						
Residue-filterable (TDS)	680	10 mg/L	. 1	01/26/12 9:12				
Salara Salar			** .					
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D						
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	01/30/12 14:30				

Qualifiers:	*	Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	Н	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

Print Date: 02/08/12 10:13 Project Supervisor: Anthony Crescenzi Page 1 of 1



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

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

Chain of Custody

	7.00		***************************************												
Client:	BRIEN & (DERE					,	:			Ar	nalysis	/Meth	od	
Project:	ACCURATE	Die					 	7	7	/ /		7		/ //	
Sampled by:	MARTIN	Koenrue	:					1 /.	. [/	1	/	/	/	
Client Conta	ct: AL FARK		Phone #				· · · · · · · · · · · · · · · · · · ·	+ /	$\sqrt[n]{}$	/	/	· /			
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	Sample Location		Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers		/	/	/		/		Comments
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Turnaround Till Routine	ne Required:	C	omments	•			*,								

Cooler Temperature:_

Original - Laboratory Copy - Client

Sample Receipt Checklist

Client Name: OBG-MS		Date and Time Re	ceived:	1/24/2012 8:32:00	AM
Work Order Number: K1201199		Received by:	gis		
Checklist completed by: Initials Checklist completed by:	1-24-12 Date		nitials AC	t- 2-4.	12_
Delivery is	Method: <u>Hand Delivere</u>	<u>ed</u>			
Shipping container/cooler in good condition?	Yes 🗸	No 🗌 Not F	Present		
Custody seals intact on shipping container/cooler?	Yes	No Not F	Present 🗸		
Custody seals intact on sample bottles?	Yes	No Not A	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 🗌			
Nater - VOA vials have zero headspace?	Yes		\ vials submitted		
Nater - pH acceptable upon receipt?	Yes 🗌		pplicable ⊻		
Comments:					
Corrective Action:					abordands of and and 12 consistences and Equity and Section 5 costs of Section



Wednesday, February 08, 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.: K1201245

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 1/30/2012 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.

Anthony Crescenzi

Project Manager



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: K1201245 Matrix: WATER Lab ID:

K1201245-001A

Client Sample ID: Effluent Comp 1/30/12

Collection Date:

01/30/12 7:30

Date Received:

01/30/12 8:40

Analyte	Result Qua	Result Qual PQL Units DF								
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C								
Residue-filterable (TDS)	670	10 mg/L	1	01/30/12 14:08						
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RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D								
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	01/30/12 14:30						

Qualifiers:	*	Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Method Blank
		Value exceeds the instrument calibration range		
		Analyte detected below the PQL		Holding times for preparation or analysis exceeded
		Prim./Conf. column %D or RPD exceeds limit		Not Detected at the Practical Quantitation Limit (PQL)
	•	Time/Cont. Column 70D of KFD exceeds firms	8	Spike Recovery outside accepted recovery limits

Print Date: 02/08/12 10:16

Project Supervisor: Anthony Crescenzi

Page 1 of 1



Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

Client:	· OBRIEN-46	Fat			<u> </u>					· · · · · · · · · · · · · · · · · · ·					
Project:	FORMER ACCUR	ate Nea						-	7		A	nalysis	s/Meth	ıod	
Sampled Client C	a by: MARTIN	Koennec	Le hone #						12/	/ /	/				
	Saı	mple Desc	ription					1 / ,							
	Sample Location		Date	Time Collected	Sample Matrix	Comp.	No. of	12	7						
001	Effluent	11 4 1 1	1-30-12		WATER		Containers	1	1	/	\leftarrow	/			Comments
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Sample Receipt Checklist

Client Name: OBG-MS	Date and	Time Received:	1/30/2012 8:40:00 AM		
Work Order Number: K1201245		Received I	oy: gis	•	
Checklist completed by: 65	/- 36 - /2 Date	Reviewe	d by: AC		20-12
		garfan an			
Delivery	Method: Hand Deliver	<u>ed</u>			
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 🗌	, tot, ppiloable		
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 VOA vials submitt	ed 🗸	
Water - pH acceptable upon receipt?	Yes	No 🗌	Not Applicable		
		-			
	•				
_					
Comments:					
			a de la companya de l		
Corrective Action:					



Thursday, February 16, 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.: K1202028

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 3 sample(s) on 2/6/2012 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



5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT O'Brien & Gere Engineers, Inc.

Former Accurate Die Cast Project:

W Order: K1202028 Matrix: WATER

Lab ID:

K1202028-001A

Client Sample ID: Effluent Comp 2/6/11

Collection Date: Date Received:

02/06/12 8:00

02/06/12 8:40

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	960	10 mg/L	1	02/06/12 9:55
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	, ND	5.0 mg/L	-1	02/07/12

Qualifiers:

Value exceeds Maximum Contaminant Level

Value exceeds the instrument calibration range

Analyte detected below the PQL

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)

Spike Recovery outside accepted recovery limits

Print Date: 02/16/12 10:18

Project Supervisor: Anthony Crescenzi

Page 1 of 1

Analytical Results

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

Lab ID:

K1202028-002A

Project:

Former Accurate Die Cast

Client Sample ID: Effluent Grab 2/6/11

W Order:

K1202028

Collection Date:

02/06/12 8:00

Matrix:

WATER

Date Received:

02/06/12 8:40

Inst. ID: ColumnID: Rtx-VMS

MSK 75

Sample Size 10 mL

TestCode 8260W

PrepDate:

R23574

Revision:

02/14/12 11:25

%Moisture:

BatchNo: FileID:

1-SAMP-K8138.D

Col Type:

Cor Type.						
Analyte	Result Qual	PQL	Units	DF	Date Analyzed	
VOLATILE ORGANIC COMPOUNI	DS BY GC/MS	SW8260B				
1,1,2,2-Tetrachloroethane	ND	0.50	μg/L	1	02/08/12 14:37	
cis-1,2-Dichloroethene	ND	0.50	μg/L	1	02/08/12 14:37	
Methylene chloride	ND	2.00	μg/L	1	02/08/12 14:37	
Tetrachloroethene	ND	0.50	μg/L	1	02/08/12 14:37	
Toluene	ND	0.50	μg/L	1	02/08/12 14:37	
trans-1,2-Dichloroethene	ND	0.50	μg/L	1	02/08/12 14:37	
Trichloroethene	ND	0.50	μg/L	1	02/08/12 14:37	
Surr: 1,2-Dichloroethane-d4	100	75-128	%REC	1	02/08/12 14:37	
Surr: 4-Bromofluorobenzene	119	75-125	%REC	1	02/08/12 14:37	
Surr: Toluene-d8	107	75-125	%REC	1	02/08/12 14:37	

Qualifiers:

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

Print Date: 02/14/12 11:26

592577

Project Supervisor: Anthony Crescenzi

Page 1 of 2

5854 Butternut Drive

Life Science Laboratories, Inc.

Analytical Results

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

Lab ID:

K1202028-003A

Project:

Former Accurate Die Cast

Client Sample ID: Between Carbons Grab 2/61/11

W Order:

K1202028

WATER

Collection Date:

02/06/12 8:00

Matrix:

Date Received:

02/06/12 8:40

Inst. ID:

MSK 75

Sample Size 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo:

R23574

Revision:

02/14/12 9:19

TestCode 8260W

FileID:

1-SAMP-K8140.D

Col Type:

Analyte	Result Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUND	S BY GC/MS		SW8260B		
1,1,2,2-Tetrachloroethane	ND	0.50	μg/L	1	02/08/12 15:41
cis-1,2-Dichloroethene	0.53	0.50	μg/L	1	02/08/12 15:41
Methylene chloride	ND	2.00	μg/L	1	02/08/12 15:41
Tetrachloroethene	ND	0.50	μg/L	1	02/08/12 15:41
Toluene	ND	0.50	μg/L	1	02/08/12 15:41
trans-1,2-Dichloroethene	ND	0.50	μg/L	1	02/08/12 15:41
Trichloroethene	ND	0.50	μg/L	1	02/08/12 15:41
Surr: 1,2-Dichloroethane-d4	100	75-128	%REC	1 .	02/08/12 15:41
Surr: 4-Bromofluorobenzene	115	75-125	%REC	1	02/08/12 15:41
Surr: Toluene-d8	107	75-125	%REC	1	02/08/12 15:41

Qualifiers:

Value exceeds Maximum Contaminant Level

Value exceeds the instrument calibration range

Analyte detected below the PQL

Prim./Conf. column %D or RPD exceeds limit

Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

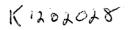
Spike Recovery outside accepted recovery limits

Print Date: 02/14/12 9:20

592575

Project Supervisor: Anthony Crescenzi

Page 1 of 1





Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

Client: OBRIEN-& GERE													
Project: France Assurate I		······································		··········		ļ	r,		Ar	nalysis	s/Meth	od	
Sampled by: MARTIN KOENNECK)1e				· · · · · · · · · · · · · · · · · · ·	/				/	/ /		
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Sample Location	Date Collected	Time Collected	Sample Matrix	Comp.	No. of Containers	1/1/2	\ P.	1 3	/	/		/	0
EffLvenT	2-6-12		waten	Comp	l		-		<u></u>	 	 		Comments
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P T	2-6-12	1	water		3			.3					
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Relinquished by:	 -	ite:	Time	···	Receive						Da	ate:	Time:
Shipment Method: HanD	De		Time		Receive	d by Lat): (Y	<u></u>			Da	ite: 2-6	-12 Time: 8:40
			·		Airbill N	umber:							0,70
Rush	mments	:											
Cooler Temperature:													Original Laboratory

Original - Laboratory Copy - Client

Sample Receipt Checklist

Client Name: OBG-MS			Date and	Time Received:	2/6/2012 8:40:00 AM
Work Order Number: K1202028			Received	by: gis	
Checklist completed by:	65	2-6-12 Date	Reviewe	ed by: PC	2-6-/2 Date
	Delive	ry Method: Hand De	<u>livered</u>		
Shipping container/cooler in good	condition?	Yes 🗹	No 🗌	Not Present]·
Custody seals intact on shipping c	container/cooler?	Yes 🗌	No 🗌	Not Present <u>▼</u>	•
Custody seals intact on sample bo	ottles?	Yes	No 🗆	Not Applicable ⊻	•
Chain of custody present?		Yes 🗸	No 🗆		
Chain of custody signed when relir	nquished and received?	Yes 🗹	No 🗌		
Chain of custody agrees with samp	ole labels?	Yes 🗸	No 🗌		
Samples in proper container/bottle	?	Yes 🗸	No 🗌		
Sample containers intact?		Yes 🗸	No 🗌		
Sufficient sample volume for indica	ated test?	Yes 🗸	No 🗌		
All samples received within holding	time?	Yes 🗸	No 🗌		
Container/Temp Blank temperature	e in compliance?	Yes 🗸	No 🗌		
Water - VOA vials have zero heads	space?	Yes 🗸	No 🗌	No VOA vials submi	itted
Water - pH acceptable upon receip	t?	Yes 🗌	No 🗔	Not Applicable	

Comments:

Corrective Action:



Tuesday, February 21, 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.: K1202122

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 2/13/2012 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.

Anthony Crescenzi

Project Manager



5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT O'Brien & Gere Engineers, Inc.

Lab ID:

K1202122-001A

Project:

Former Accurate Die Cast

Client Sample ID: Effluent Comp 2/13/12

W Order: K1202122 Matrix:

WATER

Collection Date: Date Received:

02/13/12 8:00 02/13/12 8:25

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	650	10 mg/L	. 1	02/16/12 11:45
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	02/16/12

Qualifiers:

Value exceeds Maximum Contaminant Level

E Value exceeds the instrument calibration range

Analyte detected below the PQL

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

Print Date: 02/21/12 10:20

Project Supervisor: Anthony Crescenzi

Page 1 of 1



Cooler Temperature:

Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

Client: CRRIEN & C.			:				<u> </u>						<u></u>	
Client: OBRIEN & GERE Project: FURMER ACCURATE		-						,	,	Aı	nalysis	s/Meth	od	
Project: Furmer Accurate	DIE						/	·	· · /	'	' /	/ /	′ Λ	
Sampled by: MARTIN Koe	nneck	e					/	, if	/	- /		/	/	
Client Contact: AL FARREL		one#				<u>. </u>	/ i	50/					- /	
	e Descr	iption				-	155							
Sample Location	С	Date ollected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	12						/	Comments
001 Effluent	a	1-13-12	8:00	WATER	Comp									
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tions, the second second														
				:										
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			2.3											
Relinquished by: Math Kowhie		Date	∋: 2- <i>13-</i>	/2 Time	: 825	Receive	d by:			:		D:	ate:	Time:
Relinquished by:		Date		Time		Receive	d by:	:				Di	ate:	Time:
Relinquished by:		Date	e:	Time	:	Receive	d by Lal	o; (2	2	easternature of the second			12 Time: 05:25
Shipment Method: HAND						Airbill N	ımber:		Marie Constitution of the		· ·		<u> </u>	01525
Turnaround Time Required: Routine	Con	nments:					:							

Sample Receipt Checklist

Client Name: OBG-MS		Date and Tir	me Received:	2/13	/2012 8:25:00 AM
Work Order Number: K1202122		Received by	r: gis		
Checklist completed by: Initials A Date	13-12	Reviewed	by: A		- 13 - 17 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 🗌 N	No VOA vials su	bmitted 🗸]
Nater - pH acceptable upon receipt?	Yes	No 🗌	Not Applicable	✓	

Comments:

Corrective Action:



Wednesday, February 29, 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.: K1202211

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 2 sample(s) on 2/21/2012 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



Project:

Matrix:

W Order: K1202211

WATER

Life Science Laboratories, Inc. 5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT O'Brien & Gere Engineers, Inc. Former Accurate Die Cast

Lab ID:

K1202211-001A

Client Sample ID: Effluent Comp 2/21/12 07:30

Collection Date: Data Dansirade

02/21/12 7:30 02/21/12 8:03

		Date Received:	02/21/12 6.03	
Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	640	10 mg/L	1	02/21/12 11:06

ND

RESIDUE-NON-FILTERABLE (TSS)

Residue-non-filterable (TSS)

SM 18-20 2540 D

5.0 mg/L

02/21/12 13:30

Qualifiers:

Value exceeds Maximum Contaminant Level

Value exceeds the instrument calibration range

Analyte detected below the PQL

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

Print Date: 02/29/12 10:44 Project Supervisor: Anthony Crescenzi Page 1 of 1



Analytical Results

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

K1202211-002A

Project:

Former Accurate Die Cast

Client Sample ID: Effluent Grab 2/21/12 07:30

W Order:

K1202211

WATER

Collection Date:

02/21/12 7:30

Matrix:

Date Received:

02/21/12 8:03

Inst. ID:

MSK 75

Sample Size 10 mL

PrepDate: BatchNo:

Lab ID:

R23659

ColumnID: Rtx-VMS

02/27/12 15:25

%Moisture:

TestCode 8260W

FileID:

1-SAMP-K8471.D

Revision: Col Type

Cor Type:					
Analyte	Result Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUN	DS BY GC/MS		SW8260B		
1,1,2,2-Tetrachloroethane	ND	0.50	μg/L	1	02/27/12 12:35
cis-1,2-Dichloroethene	ND	0.50	μg/L	1	02/27/12 12:35
Methylene chloride	ND	2.00	μg/L	1	02/27/12 12:35
Tetrachloroethene	ND	0.50	μg/L	1	02/27/12 12:35
Toluene	ND	0.50	μg/L	1	02/27/12 12:35
trans-1,2-Dichloroethene	ND	0.50	μg/L	1	02/27/12 12:35
Trichloroethene	ND	0.50	μg/L	1	02/27/12 12:35
Surr: 1,2-Dichloroethane-d4	103	75-128	%REC	1	02/27/12 12:35
Surr: 4-Bromofluorobenzene	116	75-125	%REC	1	02/27/12 12:35
Surr: Toluene-d8	102	75-125	%REC	1	02/27/12 12:35

Qualifiers:

Value exceeds Maximum Contaminant Level

Value exceeds the instrument calibration range

J Analyte detected below the PQL

Prim./Conf. column %D or RPD exceeds limit

Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

Spike Recovery outside accepted recovery limits

Print Date: 02/27/12 15:26

594054

Project Supervisor: Anthony Crescenzi

Page 1 of 1

KIZOZZII



Cooler Temperature:

Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

Client:	OBRIEN & GERE									·	A	nalvsis	s/Meth	nod	
Project:	Formen ACCURATE	Dre						 	/ 		7	/	7	7 /	
Sampled by:				``````````````````````````````````````		-		/	4/	/	/	/	/	//	
Client Conta	ct: Al Fagge							/	$\tilde{\mathcal{E}}/$	· /	1/ 1			/	
•	by: MARTIN KOENNECKIE Intact: AL FARREL Phone # Sample Description Sample Leasting Date Time Sample Comp.		4 /												
	Sample De		 	γ				755	$\frac{1}{2}$					/	
·		Da Colle	te cted		Sample Matrix	Comp. or Grab	No. of Containers		/ %		/	/		/	Comments
001	Effluent	2-a	-12	7:30	water		1	1							
007	EffLuenT	2-21	12	7:30	water		3		3						
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			<u> </u>		-										
-															
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Terror	***************************************		1				Lynnii M	umber:				·····			
Turnaround Ti Routine Rush	me Required:	Comm	ents	:											

Sample Receipt Checklist

Client Name: OBG-MS		Date and Time Received:	2/21/2012 8:03:00 AM
Work Order Number: K1202211		Received by: esb	
Checklist completed by: 6 5 2	-21 - / Z	Reviewed by: Initials	2-21-12 Date
Delivery Method	od: 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 OA vials subm	nitted
Water - pH acceptable upon receipt?	Yes 🗆	No Not Applicable	

Comments:

Corrective Action:



Monday, March 12, 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

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 2/28/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Order No.: K1202266

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

Project:

Matrix:

CLIENT O'Brien & Gere Engineers, Inc.

Former Accurate Die Cast

W Order: K1202266 WATER

Lab ID:

K1202266-001A

Client Sample ID: Effluent Comp 2/28/12

Collection Date:

02/28/12 7:30

Date Received: 02/28/12 8:11

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	660	10 mg/L	1	03/01/12 10:07
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	02/28/12 15:00

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

Print Date: 03/12/12 13:32

Project Supervisor: Anthony Crescenzi

Page 1 of 1



Cooler Temperature:

Life Science Laboratories, Inc. Central Lab

Chain of Custody

Original - Laboratory Copy - Client

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

Client:	OBRIEN-\$ GERE					***************************************					Ar	nalysis	/Meth		
Project:	Former Accurate Di	e					··· Name to the contract of th	 /	, 	/ 		/	7		· ·
Sampled by	". MARTIN KOENNECK							/	/	/	/	/	/	/	
Client Conta		Phone	#			·		/	705	- /					
	Sample Des					·		/ ;							
	Sample Location	Date Collect	T ed Coll	me ected	Sample Matrix	Comp. or Grab	No. of Containers	1/2/2	'/					/	Comments
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Turnaround T Routin Rush	ie 🗸	Comme	nts:		-						virtus (100 (100 (100 (100 (100 (100 (100 (10		- Van		

Sample Receipt Checklist

Client Name: OBG-MS		Date and Tim	e Received:	2/	28/2012 8:11:00 AM
Work Order Number: K1202266		Received by:			
Checklist completed by: Initials D	-28-12 ate	Reviewed b	y:		2-28-/2 Date
Delivery Meth	nod: <u>Hand Delivered</u>				
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 🗆 N	lo VOA vials sub	mitted	✓
Water - pH acceptable upon receipt?	Yes 🗌	No 🗌	Not Applicable	✓	
Comments:					
Corrective Action:			:		



Monday, March 12, 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

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 3 sample(s) on 3/5/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Order No.: K1203029

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 Project:

O'Brien & Gere Engineers, Inc.

Former Accurate Die Cast

Lab ID:

K1203029-001A

Client Sample ID: Effluent Comp 3/5/12

W Order: K1203029 Matrix: WATER

Collection Date: Date Received:

03/05/12 8:00 03/05/12 8:20

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	620	10 mg/L	1	03/06/12 10:37
				-774-77
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1. 1	03/06/12 14:00

Qualifiers:	*	Value exceeds Maximum Contaminant Level
	E	Value exceeds the instrument calibration range

J Analyte detected below the PQL

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

Print Date: 03/12/12 13:43

Project Supervisor: Anthony Crescenzi

Page 1 of 1

Life Science Laboratories, Inc. 5854 Butternut Drive

Analytical Results

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

W Order:

O'Brien & Gere Engineers, Inc.

Lab ID: K1203029-002A Client Sample ID: Effluent Grab 3/5/12

Project:

Former Accurate Die Cast

K1203029

Collection Date:

Matrix:

03/05/12 8:00

WATER

Date Received:

03/05/12 8:20

Inst. ID:

MSK 75

Sample Size 10 mL

TestCode 8260W

PrepDate:

R23712

ColumnID: Rtx-VMS

03/08/12 12:46

%Moisture:

BatchNo: FileID:

1-SAMP-K8620.D

Revision: Col Type:

Cor Type.					Control (No company) is seen to the control of the
Analyte	Result Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUND	OS BY GC/MS		SW8260B		
1,1,2,2-Tetrachloroethane	ND	0.50	μg/L	1	03/06/12 12:46
cis-1,2-Dichloroethene	ND	0.50	μg/L	1	03/06/12 12:46
Methylene chloride	ND	2.00	μg/L	1	03/06/12 12:46
Tetrachloroethene	ND	0.50	μg/L	1	03/06/12 12:46
Toluene	ND	0.50	μg/L	1	03/06/12 12:46
trans-1,2-Dichloroethene	ND	0.50	μg/L	1	03/06/12 12:46
Trichloroethene	ND	0.50	μg/L	1	03/06/12 12:46
Surr: 1,2-Dichloroethane-d4	95	75-128	%REC	1	03/06/12 12:46
Surr: 4-Bromofluorobenzene	84	75-125	%REC	1	03/06/12 12:46
Surr: Toluene-d8	108	75-125	%REC	1	03/06/12 12:46

Oualifiers:	*	Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Method Blank
Qualificisi	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

Analytical Results

(315) 445-1900 StateCertNo: 10248

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

Former Accurate Die Cast **Project:**

W Order: K1203029 WATER

MSK 75 Inst. ID: ColumnID: Rtx-VMS

03/08/12 12:46

Sample Size 10 mL %Moisture:

TestCode 8260W

Lab ID: K1203029-003A

Client Sample ID: Between Carbons Grab 3/5/12

Collection Date: 03/05/12 8:00 **Date Received:**

03/05/12 8:20

PrepDate:

BatchNo: R23712

FileID:

1-SAMP-K8625.D

Revision: Col Type:

Matrix:

Analyte	Result Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUND	S BY GC/MS		SW8260B		
1,1,2,2-Tetrachloroethane	ND	0.50	μg/L	1	03/06/12 15:25
cis-1,2-Dichloroethene	1.54	0.50	μg/L	1	03/06/12 15:25
Methylene chloride	ND	2.00	μg/L	1	03/06/12 15:25
Tetrachloroethene	ND	0.50	μg/L	1	03/06/12 15:25
Toluene	ND	0.50	μg/L	1	03/06/12 15:25
trans-1,2-Dichloroethene	ND	0.50	μg/L	1	03/06/12 15:25
Trichloroethene	3.43	0.50	μg/L	1	03/06/12 15:25
Surr: 1,2-Dichloroethane-d4	93	75-128	%REC	1	03/06/12 15:25
Surr: 4-Bromofluorobenzene	86	75-125	%REC	1	03/06/12 15:25
Surr: Toluene-d8	108	75-125	%REC	1	03/06/12 15:25

Oualifiers:	*	Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Method Blank
Quinitar a.	E	Value exceeds the instrument calibration range	Н	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. Central Lab

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

Chain of Custody

Copy - Client

Client: OBRIEN & GERE									Δr	alveid	:/Meth		
Project: Former Accurate Die						ļ — ,	,	7		lalysis	/ ///	/ //	· .
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EffLuenT 3	-5-1	2 8:00) water	GRAB	3		3				<u> </u>		
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Shipment Method: It AND					Airbill N	umber:	(
Rush	nmen	ıts:			-				-				
Cooler Temperature:	İ												Original - Laboratory

Sample Receipt Checklist

Client Name: OBG-MS		Date and Time Received: 3/5/2012 8:20:00 AM
Work Order Number: K1203029		Received by: qis
		A
Checklist completed by: 65 3	_5 4/2	Reviewed by: 3-5-72
Huters	Date	Initials Date
Delivery M	lethod: 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:



Wednesday, March 21, 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

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 3/12/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Order No.: K1203113

Very truly yours, Life Science Laboratories, Inc.

Anthony Crescenzi
Project Manager



5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT O'Brien & Gere Engineers, Inc.

Former Accurate Die Cast **Project:**

W Order: K1203113 Matrix: WATER

K1203113-001A

Client Sample ID: Effluent Comp 3/12/12

Collection Date: 03/12/12 8:00 Date Received: 03/12/12 8:20

Lab ID:

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	720	10 mg/L	1	03/13/12 10:07
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	03/15/12

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Value exceeds the instrument calibration range

Analyte detected below the PQL

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)

Spike Recovery outside accepted recovery limits

Print Date: 03/21/12 15:31 Project Supervisor: Anthony Crescenzi Page 1 of 1 K1203113

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

5854 Butternut Drive

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

Chain of Custody

Client: CARIEN & PERE					, loc V) (N 1 - 11 - 1		_
Project:	1				Arially	Arialysis/ivietnod		
Tanky Tanky Die					_			
Sampled by: MARTIN Koenneck	~ ~			\ \ \	_			
Client Contact: AL FARREC P	Phone #			0/				
Sample Description	cription			5				
Sample Location	Date Time Collected Collected	Sample Comp.	No. of	51				
Efficial	3-12-12 8:00	+	Containers				Comments	
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.(a	Date:	Time:	Received by Lab.	Lab.		1		
Shipment Method: HAW)					7	Date: 3 - 13	-u Time: c8:20	
			Airbill Number:	er:			-	,

Turnaround Time Required:
Routine X
Rush

Comments:

Cooler Temperature:

Original - Laboratory Copy - Client

Sample Receipt Checklist

Client Name: OBG-MS			Dat	te and Time R	eceived:	3/1	2/2012 8:20:00 AM	
Work Order Number: K1203113	3			ceived by:	gis	5/1	2/20 12 0.20.00 AN	
				,				
Checklist completed by:	65	3-(2- Date	<i>i</i> ℃ R	Reviewed by:	Initials		3 - /2 - / _ Date	_
····-	l	54,5			,			
	Delivery	/ Method: Hand	Delivered					
Shipping container/cooler in goo	d condition?	Yes	✓ N	lo 🗌 Not	t Present			
Custody seals intact on shipping	container/cooler?	Yes	□ N	lo 🗌 Not	Present	✓		
Custody seals intact on sample l	pottles?	Yes	□ N	o Not	Applicable	✓		
Chain of custody present?		Yes	✓ N	o 🗌				
Chain of custody signed when re	linquished and received?	Yes	✓ No	o 🗌				
Chain of custody agrees with sar	mple labels?	Yes	✓ No	o 🗆				
Samples in proper container/bott	le?	Yes	✓ No	o 🗆				
Sample containers intact?		Yes	✓ No	o 🗌				
Sufficient sample volume for indi	cated test?	Yes	✓ No	o 🗆				
All samples received within holdi	ng time?	Yes	✓ No	o 🗆				
Container/Temp Blank temperatu	re in compliance?	Yes	✓ No	o 🗌				
Water - VOA vials have zero hea	dspace?	Yes	□ No	o 🗌 No VO	OA vials sub	mitted 🔽		
Water - pH acceptable upon rece	ipt?	Yes	□ No	o 🗌 Not	Applicable	✓		

Comments:

Corrective Action:



Friday, April 06, 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

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 2 sample(s) on 3/23/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Order No.: K1203237

Very truly yours, Life Science Laboratories, Inc.

Anthony Crescenzi Project Manager



Matrix:

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: K1203237 WATER

K1203237-001A Lab ID:

Client Sample ID: Effluent Comp 3/23/12 08:15

Collection Date: Date Received:

03/23/12 8:15 03/23/12 8:40

Analyte	Result Qual	PQL Units	DF	Date Analyzed		
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C				
Residue-filterable (TDS)	660	10 mg/L	1	03/27/12 10:00		
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D				
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	03/26/12 14:00		

Qualifiers:

Value exceeds Maximum Contaminant Level

Value exceeds the instrument calibration range

Analyte detected below the PQL

Prim./Conf. column %D or RPD exceeds limit

B Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

Spike Recovery outside accepted recovery limits

Project Supervisor: Anthony Crescenzi Page 1 of 1 Print Date: 04/06/12 14:33

Life Science Laboratories, Inc. 5854 Butternut Drive

Analytical Results

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

Lab ID:

K1203237-002A

Project:

Former Accurate Die Cast

Client Sample ID: Effluent Grab 3/23/12 08:15

W Order:

K1203237

WATER

Collection Date:

03/23/12 8:15

Matrix:

Date Received:

03/23/12 8:40

Inst. ID:

Sample Size 10 mL

PrepDate:

ColumnID: Rtx-VMS

MS01 11

%Moisture:

BatchNo:

R23854

Revision:

04/05/12 14:52

TestCode 8260W

FileID:

1-SAMP-T3078.D

Col Type:

Analyte	Result Qual	PQL		Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUND	S BY GC/MS		SW8	3260B		
1,1,2,2-Tetrachloroethane	ND	0.50		μg/L	1	04/05/12 12:00
cis-1,2-Dichloroethene	ND	0.50		μg/L	1	04/05/12 12:00
Methylene chloride	ND	2.00		μg/L	1	04/05/12 12:00
Tetrachloroethene	ND	0.50		μg/L	1	04/05/12 12:00
Toluene	ND	0.50		μg/L	1	04/05/12 12:00
trans-1,2-Dichloroethene	ND	0.50		μg/L	1	04/05/12 12:00
Trichloroethene	ND	0.50		μg/L	1	04/05/12 12:00
Surr: 1,2-Dichloroethane-d4	117	75-128		%REC	1	04/05/12 12:00
Surr: 4-Bromofluorobenzene	98	75-125		%REC	1	04/05/12 12:00
Surr: Toluene-d8	111	75-125		%REC	1	04/05/12 12:00

Quali	fiers
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- ·Value exceeds Maximum Contaminant Level
- Value exceeds the instrument calibration range
- Analyte detected below the PQL
- Prim./Conf. column %D or RPD exceeds limit
- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
 - 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: OBRIEN & GERE			· · · · · · · · · · · · · · · · · · ·			T			Α.		- /5 4 /1		
Project: Former Accurate	$\overline{\lambda}$		· · · · · · · · · · · · · · · · · · ·			<u> </u>	7	,	A	naiysis	s/Meth	iod	Antonida
Sampled by: MARTIN KOEKA	<u>vie</u>	L .	· • • • • • • • • • • • • • • • • • • •			-	' 5/	/		′ /	′ /		
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Sample Description						ا نگر / ا							
Sample Location		ted Collected	Sample Matrix	Comp. or Grab	No. of Containers		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	*/					Comments
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Relinquished by:		Date:	Time		Receive		h: /	a C				ate:	Time:
Shipment Method: HAND					Airbill Nu	· -	.0	של	The state of the s			ates 3/3-	-/2 Time:g:40
Turnaround Time Required: Co Routine Rush Cooler Temperature: 9,000000000000000000000000000000000000	omme												Original - Laboratory

Sample Receipt Checklist

Client Name: OBG-MS		Date and Time Received:	3/23/2012 8:40:00 AM
Work Order Number: K1203237		Received by: gis	
Checklist completed by: 6 5	3 - 23 - 12 Date	Reviewed by: Nitials	7 -23-12 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	\checkmark
Custody seals intact on sample bottles?	Yes	No Not Applicabl	e 🗸
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 s	ubmitted
Water - pH acceptable upon receipt?	Yes	No Not Applicab	e 🗸

Comments:

Corrective Action:



Friday, April 06, 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.: K1203253

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 3/26/2012 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



W Order: K1203253

Matrix: WATER

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

Lab ID:

K1203253-001A

Client Sample ID: Effluent Comp 3/26/12

Collection Date:

03/26/12 7:30

Date Received:

03/26/12 8:05

Analyte	Result Qual	PQL Units	DF	Date Analyze
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	640	10 mg/L	1	03/27/12 10:00
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	03/26/12 14:00

Q١	ıa	lifi	ers:
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- Value exceeds Maximum Contaminant Level
- Value exceeds the instrument calibration range
- Analyte detected below the PQL
- 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)
- Spike Recovery outside accepted recovery limits

Print Date: 04/06/12 15:03 Project Supervisor: Anthony Crescenzi Page 1 of 1



Cooler Temperature:

Life Science Laboratories, Inc. Central Lab

5854 Butternut Drive East Syracuse, New York 13057 (315) 445-1105 **Chain of Custody**

Client: C	DBRIEN \$-GERE	MANAGE PARTE OF THE PARTE OF TH		····							A	nalysis	/Meth		
Project:	Formen Accurate D	10		<u> </u>				 7	/	/ /		/	/ /	/ /	
Sampled by	: MARTIN KOENNE	ech.	0		* 1 _ · ·			• /	_ /	/	/	/	/		
Client Conta		Phor	1		ж. ж			/	E/						
	Sample Description /						7 /								
	Sample Location	D Coll	ate ected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	/ K)					/	Comments
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Original - Laboratory Copy - Client

Sample Receipt Checklist

Date and Time Received:

3/26/2012 8:05:00 AM

Client Name: OBG-MS		Date and Time Received:	3/26/2012 8:05:00 AM
Work Order Number: K1203253		Received by: gis	• • • • • • • • • • • • • • • • • • •
Checklist completed by: 65	3-26-12 Date	Reviewed by:A-C	3-26-17 Date
C	Delivery Method: Hand Delivere	<u>ed</u>	
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 receiv	red? 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 sub	omitted 🗹
Water - pH acceptable upon receipt?	Yes	No Not Applicable	
	A Shifteen See Bergund was be a deel of our all he Shane III as a linear to the standard and A shahard to combine and he will be a linear to be a shane and he will be a linear to be a shape of the will be a linear to be a shape of the will be a linear to be a linear to be a shape of the will be a linear to be a linear t	a land Scholau des Camadalla i Schola (sa. 15 199) a desdá a fail da spain la saíonal lá fais sá a Scholau Steandair	r SV val. Productive modelina va al 11 km bel of the moved and 21 km annuals in little and the all the street of its finds design and even belong in the design of the street of the str
Comments:			
Corrective Action:			