

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

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

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

333 West Washington Street, Syracuse, NY 13221-4873 | p 315-956-6100 | f 315-463-7554 | www.obg.com

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

		Monitoring	Requirements	
alyte (units)	Discharge Limitation	Discharge Limitation	Minimum Measurement	Sample
maryte (units)	Daily Average	Daily Maximum	Frequency (1)	Type
Flow (GPD)	Monitor	150000	Continuous	Meter
pH (SU)	6.5-8.5		2/Week	Grab
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

Notes:

- Not analyzed, NA Data Not available
- U Not Detected, J Estimated
- (1) Minimum monitoring requirements based on SPEDES permit modified November, 21, 1997.

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Effluent							
	7/10/2012	7/11/2012	7/13/2012	7/16/2012	7/18/2012	7/19/2012	7/20/2012	7/23/2012
Flow (GPD)	8950	8860	8815	8653	8560	8370	8410	8217
pH (SU)	7.32	7.4	7.36	7.34	7.34	7.36	7.36	7.34
Residue, non-filterable (mg/L)		5 U		5 U				9
Total dissolved solids (TDS) (mg/L)		710		720				720
Mercury, total (mg/L)								
Zinc, total (mg/L)								
cis-1,2-Dichloroethene (ug/L)				0.5 U				
trans-1,2-Dichloroethene (ug/L)				0.5 U				
Methylene chloride (ug/L)				2 U				
1,1,2,2-Tetrachloroethane (ug/L)				0.5 U				
Tetrachloroethene (ug/L)				0.5 U				
Toluene (ug/L)				0.5 U				
Trichloroethene (ug/L)				0.5 U				
	<u> </u>							

Analyte (units)	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
, ()	7/24/2012	7/26/2012	7/27/2012	7/30/2012	8/1/2012	8/2/2012	8/3/2012	8/6/2012
Flow (GPD)	8150	8016	8018	7887	7887	7930	7739	7657
pH (SU)	7.32	7.34	7.34	7.34	7.34	7.34	7.36	7.36
Residue, non-filterable (mg/L)				5 U				
Total dissolved solids (TDS) (mg/L)				690				
Mercury, total (mg/L)								
Zinc, total (mg/L)								
cis-1,2-Dichloroethene (ug/L)								
trans-1,2-Dichloroethene (ug/L)								
Methylene chloride (ug/L)								
1,1,2,2-Tetrachloroethane (ug/L)								
Tetrachloroethene (ug/L)								
Toluene (ug/L)								
Trichloroethene (ug/L)								

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Effluent	Effluent						
	8/10/2012	8/13/2012	8/17/2012	8/21/2012	8/24/2012	8/28/2012	8/29/2012	9/4/2012
Flow (GPD)	7527	7410	7035	7313	7088	6930	6778	6888
pH (SU)	7.44	7.43	7.48	7.41	7.61	7.43	7.4	7.5
Residue, non-filterable (mg/L)	5 U	5 U		5 U		5 U		
Total dissolved solids (TDS) (mg/L)	710	690		740		710		
Mercury, total (mg/L)								
Zinc, total (mg/L)								
cis-1,2-Dichloroethene (ug/L)	0.5 U			0.5 U				
trans-1,2-Dichloroethene (ug/L)	0.5 U			0.5 U				
Methylene chloride (ug/L)	2 U			2 U				
1,1,2,2-Tetrachloroethane (ug/L)	0.5 U			0.5 U				
Tetrachloroethene (ug/L)	0.5 U			0.5 U				
Toluene (ug/L)	0.5 U			0.5 U				
Trichloroethene (ug/L)	0.5 U			0.5 U				

Analyte (units)	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	9/6/2012	9/7/2012	9/11/2012	9/12/2012	9/14/2012	9/18/2012	9/20/2012	9/24/2012	9/25/2012
Flow (GPD)	6825	6664	6608	6436	6450	6293	6235	6265	6352
pH (SU)	7.48	7.5	7.47	7.48	7.46	7.48	7.46	7.54	7.44
Residue, non-filterable (mg/L)	5 U			5 U		5 U			5 U
Total dissolved solids (TDS) (mg/L)	820			740		720			690
Mercury, total (mg/L)									
Zinc, total (mg/L)									
cis-1,2-Dichloroethene (ug/L)	0.5 U					0.5 U			
trans-1,2-Dichloroethene (ug/L)	0.5 U					0.5 U			
Methylene chloride (ug/L)	2 U					2 U			
1,1,2,2-Tetrachloroethane (ug/L)	0.5 U					0.5 U			
Tetrachloroethene (ug/L)	0.5 U					0.5 U			
Toluene (ug/L)	0.5 U					0.5 U			
Trichloroethene (ug/L)	0.5 U					0.5 U			

	1	
Analyte (units)	Effluent	Effluent
, , , , , , , , , , , , , , , , , , , ,	9/27/2012	9/28/2012
Flow (GPD)	6415	6269
pH (SU)	7.46	7.52
Residue, non-filterable (mg/L)		
Total dissolved solids (TDS) (mg/L)		
Mercury, total (mg/L)		
Zinc, total (mg/L)		
cis-1,2-Dichloroethene (ug/L)		
trans-1,2-Dichloroethene (ug/L)		
Methylene chloride (ug/L)		
1,1,2,2-Tetrachloroethane (ug/L)		
Tetrachloroethene (ug/L)		
Toluene (ug/L)		
Trichloroethene (ug/L)		
Themoroculene (ug/L)		



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

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.

Order No.: K1207045

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: 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
MERCURY		EPA 245.1	(E245	5.1)
Mercury	ND	0.00020 mg/L	1	07/13/12 15:33
TOTAL METALS BY ICP		EPA 200.7	(E200	0.2)
Zinc	ND	0.020 mg/L	5	07/24/12 15:39
NOTES:				
Sample analyzed by method 200.8				

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: 07/26/12 11:25 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.

Former Accurate Die Cast Project:

W Order: K1207045 Matrix: WATER

Lab ID:

K1207045-001B

Client Sample ID: Effluent Comp 7/6/12

Collection Date: Date Received:

07/06/12 7:30

07/06/12 8:08

			07,00,12	
Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	720	10 mg/L	1	07/09/12
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	07/09/12

Qualifiers:

Value exceeds Maximum Contaminant Level

E 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

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: 07/26/12 13:02 Project Supervisor: Anthony Crescenzi Page 1 of 1



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:

K1207045-002A

Client Sample ID: Influent Comp 7/6/12

W Order: K1207045 Matrix: WATER **Collection Date:**

07/06/12 7:30

Date Received: 07/06/12 8:08

Result Qual	PQL Units	DF	Date Analyzed
	EPA 245.1	(E24	5.1)
ND	0.00020 mg/L	1	07/13/12 15:35
	EPA 200.7	(E20	0.2)
ND	0.020 mg/L	5	07/24/12 15:59
	ND	EPA 245.1 ND 0.00020 mg/L EPA 200.7	Result Qual PQL Units DF EPA 245.1 (E245) ND 0.00020 mg/L 1 EPA 200.7 (E200)

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: 07/26/12 11:25 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.

Lab ID: K1207045-003A

Project:

Former Accurate Die Cast

Client Sample ID: Effluent Grab 7/6/12

W. Order:

K1207045

Collection Date:

07/06/12 7:30

Matrix:

WATER

Date Received:

07/06/12 8:08

Inst. ID:

MS01 11

Sample Size 10 mL

PrenDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo:

R24297

Revision: 07/15/12 8:36

TestCode 8260W

FileID:

1-SAMP-T3597.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	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
- Value exceeds the instrument calibration range
- Analyte detected below the PQL

- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Practical Quantitation Limit (PQL)
 - Spike Recovery outside accepted recovery limits

Print Date: 07/15/12 8:39

609070

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

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.

Lab ID:

K1207045-004A

Project:

Former Accurate Die Cast

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

W Order:

K1207045

WATER

Collection Date:

07/06/12 7:30

Matrix:

Sample Size 10 mL

Date Received:

07/06/12 8:08

Inst. ID:

MS01 11

PrepDate: BatchNo:

R24297

Revision:

ColumnID: Rtx-VMS

07/15/12 8:36

%Moisture:

TestCode 8260W

FileID:

1-SAMP-T3598.D

Col Tymas

Col Type:					
Analyte	Result Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUN	NDS BY GC/MS		SW8260B		
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
- 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: 07/15/12 8:39

609071

Project Supervisor: Anthony Crescenzi

Page 2 of 3

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

Analytical Results

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

Lab ID:

K1207045-005A

Project:

Former Accurate Die Cast

Client Sample ID: Influent Grab 7/6/12

W Order:

K1207045

Collection Date:

07/06/12 7:30

Matrix:

WATER

Date Received:

07/06/12 8:08

Inst. ID:

MS01 11

Sample Size 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo:

R24297

Revision:

07/15/12 8:36

TestCode 8260W

FileID:

1-SAMP-T3599 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	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 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

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: 07/15/12 8:39

609072

Project Supervisor: Anthony Crescenzi

Page 3 of 3



Life Science Laboratories, Inc. Central Lab

Chain of Custody

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

Client: OBRIEN & GERE											·		
Project: FORMER ACCURATE DIE				·			,		Ar	nalysis	s/Meth	ıod	
Sampled by: MARTIN KOENNEKE		·				1 /	'- /		'. · · /	' · /	/ /	/ /	
Client Contact: Al Fanal] /-	>/	0/	/	5/	/		:
Client Contact: AL FarreL P	hone #				,] / ,	0° / 10°	0 × 60 × 7	or / 1	<i>o</i> . \			
Sample Des	cription	1				1/:	6 6	o" / 〔		$\langle \ / \ $	/		
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp.	No. of Containers	1 3	10C P.	N	1/12				0
INFLUENT	7-6-12		WATER	1 .	3	3		/	 		 	/	Comments
BETWEEN CARBONS	7-6-12	730	1	GRAB		3			,		<u> </u>	-	
Effhuent	7-6-12			GRAB			3.				190		
E.ff LvenT	7-6-12			ConiP	2			1	/				
Influent	7-6-12	730	watez		1			· /					
											<u> </u>		
											<u> </u>		
	·										<u> </u>		

Relinquished by: Mats K.													
Relinquished by: Marth Konfine Relinquished by:	Da	te: 7-6- _/	2 Time	: 8:10	Receive	d by:				1	D:	ate:	Time:
	Da	te:	Time	:	Receive	d by:			1//	/		ate:	
Relinquished by:	Dat	te:	Time	:	Receive	d by Lat): (11	 	T. A.		ate:	Time:
Shipment Method: HAND					Airbill No	ımber	Ţ		- Ph		<u> </u>		6/12 Time: 308
Turnaround Time Required: Co	omments:						· · · · · · · · · · · · · · · · · · ·			٠.	·		In oc

Routine X

Cooler Temperature: 10°C 02 5C6

10°C

Original - Laboratory Copy - Client

Sample Receipt Checklist

Client Name	e: OBG-MS				Date and T	ime Re	eceived:	7/6/2012	8:08:00 AM	
Work Order	Number: K1207045				Received b	y:	hg			
Checklist co	ompleted by:	OC Da	7-6- te	12	Reviewed		Ac		/ <u>Z</u>	
		Delivery Metho	od: <u>Har</u>	nd Delivered						
Shipping co	ntainer/cooler in good co	ondition?	Yes	~	No	Not	Present			
Custody sea	als intact on shipping co	ntainer/cooler?	Yes		No 🗌	Not	Present Y	2		
Custody sea	als intact on sample bott	les?	Yes		No 🗌	Not	Applicable	•		
Chain of cus	stody present?		Yes	~	No 🗌					
Chain of cus	stody signed when relind	uished and received?	Yes	~	No					
Chain of cus	stody agrees with sample	e labels?		~	No .					
Samples in	proper container/bottle?				No 🗔					
	tainers intact?			~	No 🗔					
	ample volume for indicate	ed test?		V	No 🗔					
	received within holding				No 🗆					
	emp Blank temperature			<u>~</u>	No 🗔					
				<u> </u>	No 🗌	No VC	DA vials subm	المنا		
	A vials have zero headsp									
water - pri a	acceptable upon receipt	,	Yes	Y	No	Not	Applicable			
<u>pH</u> >12	<u>Preservative</u> NaOH	pH Acceptable Yes N NA ✓	Samp	<u>le ID</u>	<u>Vo</u>	lume of	f Preservative	added in Lab.		
<2	HNO3	Yes 🗹 N NA								
<2	HSO4	Yes N NA 🗸								
<2	1:1 HCL	Yes N NA 🗸								
F 0	Pact/PCRc /608/8081	Valoria de la companya della companya della companya de la companya de la companya della company								

Comments:

Corrective Action:



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

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.

Order No.: K1207087

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: K1207087 Matrix: WATER

Lab ID:

K1207087-001A

Client Sample ID: Effluent Comp 7/11/2012

Collection Date: Date Received:

07/11/12 8:00 07/11/12 8:00

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

Qualifiers:

- Value exceeds Maximum Contaminant Level
- E 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Project Supervisor: Anthony Crescenzi Page 1 of 1 Print Date: 07/26/12 9:45

K1207087



Cooler Temperature:

Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

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Project: FORMER ACCURATE DI			····				· 			n-1				
Project: FORMER ACCUENTE DI	0						ļ	7	·	A	nalysis	s/Meth	nod	
Sampled by: MARTIN Koenneck	<u>e</u>						'/	/ /	/	/·	/ /	/	7 /	
Client Contact: A/ Face		 			····] /	5/		/		/		
TID HARREL	Phone	1						\s\/						
Sample De	script	ion	. •				1 /	, /	/				/	
Sample Location	Dat Collec	e cted	Time Collected	Sample Matrix	Comp.	No. of Containers	1/ Kh	'/						
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						Airbill N		-(-	\rightarrow			D	ate: 7-((1-12 Time: 0 8(00
Turnaround Time Required:RoutineX	Comme	ents:	,		***************************************	Aubili N	umber:							13.02
Rush]									•	1	Ý.	

Sample Receipt Checklist

Client Name: OBG-MS		Date and Ti	ne Received:	7/11/	2012 8:00:00 AM
Work Order Number: K1207087		Received by	: gis		
Checklist completed by: 69	つールール Date	Reviewed	by:		7 //-/7 Date
Deli	very 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 🗌			ů.
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 sub	mitted 🗹	+
Water - pH acceptable upon receipt?	Yes 🗌	No 🗌	Not Applicable	✓	•

Comments:

Corrective Action: .



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



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: K1207193 Matrix: WATER

Lab ID:

K1207193-001A

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

Collection Date: Date Received:

07/16/12 7:30 07/16/12 8:00

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	720	10 mg/L	1	07/19/12
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
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
- 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: 07/26/12 9:44 Project Supervisor: Anthony Crescenzi Page 1 of 1

Analytical Results

LSL 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:

K1207193

Matrix:

WATER

Inst. ID: **Revision:**

Col Type:

Surr: Toluene-d8

MS04 73

ColumnID: Rtx-VMS

07/17/12 15:31

Sample Size 10 mL %Moisture:

TestCode 8260W

Lab ID:

K1207193-002A

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

Collection Date:

Date Received:

07/16/12 7:30 07/16/12 8:00

PrepDate:

BatchNo: FileID:

R24313

1-SAMP-R0165.D

Analyte	Result Qual	POL	Units	DF	Date Analyzed
Analyte	Result Qual	TQL	Ontes		2400 1111013
VOLATILE ORGANIC COMPOUN	DS BY GC/MS		SW8260B		
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

Project Supervisor: Anthony Crescenzi

Qualifiers:

Print Date: 07/17/12 15:32

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

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



Routine

Cooler Temperature: //. 0~

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

Comments:

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

Chain of Custody

Client: OBRIEN & GERE Analysis/Method Project: FORMER Accurate DIE Sampled by: MARTIN Krennecke Client Contact: AL FARREL Phone # Sample Description Time Sample Comp. Sample Location No. of Collected | Collected Matrix or Grab Containers Comments 001 EffLuenT 730 WATER COMP 001 Effluent 7-16-12 7:30 WATER GRAB Relinquished by: Math Kinhu Date: 7-16-12 Time: 8:00 Received by: Date: Time: Relinquished by: Date: Time: Received by: Date: Time: Relinquished by: Date: Time: Received by Lab: Date: 7-13 Time: 8:00 Shipment Method: HAND Airbill Number: Turnaround Time Required:

> Originai - Laboratory Copy - Client

Sample Receipt Checklist

Client Name: OBG-MS		**************************************		Date and T	ime Received:	. 7	//16/2012 8:	00:00 AM
Work Order Number: K1207193	. 3			Received b	y: gis			
Checklist completed by:	65		6-12	Reviewed		AZ	7-16 Date	-/2
Initials	* .	Date			Initials	•	Date	
		Delivery Method:	Hand Delivered					
Shipping container/cooler in good c	ondition?	•	Yes 🗹	No 🗆	Not Present			•
Custody seals intact on shipping co	ntainer/cooler?		Yes 🗌	No 🗌	Not Present	✓		
Custody seals intact on sample bot	tles?		Yes	No 🗌	Not Applicab	le 🗹		
Chain of custody present?			Yes 🗸	No 🗌 ,				
Chain of custody signed when reline	quished and rece	eived?	Yes 🗸	No 🗌				
Chain of custody agrees with samp	le labels?		Yes 🗸	No 🗌				
Samples in proper container/bottle?		3	Yes 🗸	No 🗌				→
Sample containers intact?			Yes 🗸	No 🗌	•			
Sufficient sample volume for indicate	ted test?		Yes 🗸	No 🗌				
All samples received within holding	time?		Yes 🗸	No 🗌				
Container/Temp Blank temperature	in compliance?		Yes 🗸	No 🗌				
Water - VOA vials have zero heads	pace?		Yes 🗹	No 🗌	No VOA vials s	ubmitted		
Water - pH acceptable upon receip	1?		Yes	No 🗌	Not Applicab	le 🗸		

Comments:

Corrective Action:



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

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.

Order No.: K1207246

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

WATER

W Order: K1207246

Lab ID:

K1207246-001A

Client Sample ID: Effluent Comp 7/23/2012

Collection Date: Date Received:

07/23/12 7:30 07/23/12 8:03

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	720	10 mg/L	1	07/24/12
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
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

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: 08/03/12 15:03

Project Supervisor: Anthony Crescenzi Page 1 of 1



Life Science Laboratories, Inc. Central Lab

Chain of Custody

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

					(3)	3) 445-	1105							
Client: OBRIEN & GERE				<u> </u>			.	-	····				·	
FORMER ACCURATE	7				.		 	7	· ·	A	nalysis	s/Meth	nod	7
Sampled by: MacTing V.	ure] ,	/ ,	/ ,	/·	/		7 /	
O" LOENNET	ke] /	4/	/		/	/	- / -	
Client Contact: AL FARREL	Phone	#					1 /	2/2	· /			/	- /	
Sample De	escript	ion		· · · · · · · · · · · · · · · · · · ·			1 /	- /			. /			
Sample Location	Dat	e	Time Collected	Sample Matrix	Comp.	No. of Containers	1/1							
Effluent	7-2	3-12	730	water	Cons	Containers	-	/	/	/	/	/	/	Comments
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Turnaround Time Required:	1	·				Airbill N	umber:		/					20-5
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Rush											4,			
Cooler Temperature: 12,000														

Sample Receipt Checklist

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Client Name: OBG-MS	•		Date and T	ime Received:	7	7/23/2012 8:03:	MA 00:
Work Order Number: K1207246			Received b	y: gis	•		
•			•)			
Checklist completed by:	, , ,	L7-17	Reviewed	d by:	AC	7-23-	12
Initials	Date		- -	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 Applicabl	e 🗸		
Chain of custody present?		Yes 🗸	No 🗔				
Chain of custody signed when relinquished and rec	ceived?	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 su	ubmitted	✓	
Water - pH acceptable upon receipt?		Yes	No 🗌	Not Applicable	e 🗸,		

Comments;

Corrective Action



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.

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: K1207310 Matrix: WATER

Lab ID:

K1207310-001A

Client Sample ID: Effluent Comp 7/30/2012

Collection Date: Date Received:

07/30/12 8:00 07/30/12 9:30

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

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

Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

Spike Recovery outside accepted recovery limits

Page 1 of 1 Project Supervisor: Anthony Crescenzi Print Date: 08/09/12 9:35



Cooler Temperature:

Life Science Laboratories, Inc. Central Lab

13.00

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

Chain of Custody

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Client: OBRIEN & GERE														
Project: Formen Accurate	7				-			7	,	Ar	alysis	/Meth	od	
Sampled by: MARTIN KOEWNO	pre	-					/	' . /	' /	· /	/			
Client Coul in Oluni	ec Kie						/	50/	/_		/	/		
Client Contact: AL FARREL	Phone	#] /	K/						
Sample Description				1 /										
Sample Location	Date Collec	e ted	Time Collected	Sample Matrix	Comp.	No. of Containers	I/ /\		/ .					
001 EffLuenT	7-30			water	Comp	Containers	 		/ -	 	 	 	/	Comments
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Relinquished by: Mark Konhe		Date	e. 4 20	(2) Time	.020		<u> </u>			<u></u>				
Relinquished by:	i	Date: 9-30-12 Time: 930			 	Received by:				***	,D	ate:	Time:	
Relinquished by:		Date: Time				Received by:				,	D	ate:	Time:	
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Air			Airbill N	bill Number: Date: 7-30-12 Time: 09					0-12 mme. 09:30					
Turnaround Time Required:RoutineXRush	Comme	ents:									٠.			

Sample Receipt Checklist

Client Name: OBG-MS		Date and Tir	ne Received:	7/30/2012 9:30:00 AM	
Work Order Number: K1207310	•	Received by	: gis		
Checklist completed by: Initials Date	20-12	Reviewed	by:	7-30-/2- Date	· · · · · · · · · · · · · · · · · · ·
Delivery Method:	Hand Delivered				
Shipping container/cooler in good condition?	Yes 🗹	No 🗌	Not Present		
Ctustody 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	ed 🗸	
Water - pH acceptable upon receipt?	Yes	· No 🗌	Not Applicable	, .	

Comments:.

Corrective Action:



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



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: Client Sample II K1208105-001A

Client Sample ID: Effluent Comp 8/10/12

Collection Date:
Date Received:

08/10/12 7:30

08/10/12 7:30

		Date Received:	08/10/12 8:0)5
Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	710	10 mg/L	1	08/14/12
RESIDUE-NON-FILTERABLE (TSS) Residue-non-filterable (TSS)		SM 18-20 2540 D		
	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
- 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: 09/18/12 11:18

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.

Project:

Former Accurate Die Cast

W Order:

Revision:

Col Type:

K1208105

Matrix:

WATER

Inst. ID:

MS01 11

ColumnID: Rtx-VMS

09/18/12 10:28

Sample Size 10 mL

%Moisture:

TestCode 8260W

Lab ID:

K1208105-002A Client Sample ID: Effluent Grab 8/10/12

Collection Date:

Date Received:

08/10/12 7:30 08/10/12 8:05

PrepDate:

BatchNo:

R24537

FileID:

1-SAMP-T3932.D

Analyte	Result Qual	PQL	Units DF	Date Analyzed
VOLATILE ORGANIC COMPOUNI	OS BY GC/MS		SW8260B	
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
- 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



Analytical Results

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

Former Accurate Die Cast

Lab ID:

K1208105-003A

Project:

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

W Order:

K1208105

Collection Date:

08/10/12 7:30

Matrix:

WATER

Date Received:

Inst. ID:

MS01 11

Sample Size 10 mL

PrepDate:

08/10/12 8:05

ColumnID: Rtx-VMS

%Moisture:

BatchNo:

R24537

Revision:

09/18/12 10:28

TestCode 8260W

FileID:

1-SAMP-T3947.D

Col Type:

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	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 ¹	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

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

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:	G-10-12	Reviewed by: Initials 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 No VOA vials submitted
Water - pH acceptable upon receipt?	Yes	No ☐ Not Applicable ✓

Comments:



Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

Client: OBPIDI & C = =		-			<u> </u>	10) 440-					face as feet deal feet			
Client: OBRIEN & GERE Project: Former Accurate		-	:							A	nalysi	s/Met	nod	
I CI URALS	Die		·						7	/-	7	7	7 1	
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Client Contact: AL FARREL	Phon	e #					/	6/	· /		/	/	- /	
Sample D)escrip	tion								} /				
Sample Location	Da Colle	te cted	Time Collected	Sample Matrix	Comp.	No. of	Π	\\ 0%		, \				
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poler Temperature: ///						•								



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.

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:

K1208125-001A

Project: Former Accurate Die Cast

Client Sample ID: Effluent Comp 8/13/2012

W Order: K1208125 Matrix: WATER

Collection Date: Date Received:

08/13/12 7:30 08/13/12 8:08

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

Print Date: 08/26/12 9:58 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: ORRIEN \$6 -					· · · · · · · · · · · · · · · · · · ·									
- CONCIN AIR FIRE					:					A	nalysis	s/Meth	od	
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Client Contact: AL FARREL	Phone	#					1 /	\ \?\	· /					
Sample De	scripti	ion			·····						- /			
Sample Location (90) EffLvenT		ted	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	125		/ · · ·					Comments
ETTLUEN/	8-13	-12	730	water	Comp		1					1	- (.6	
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Turnaround Time Required:Routine Rush	Comme	ents:												

Sample Receipt Checklist

Client Name: OBG-MS	Dat	te and Time I	Received:	8/13/2012 8:08:00 AM
Work Order Number: K1208125	Re	ceived by:	gis	
Checklist completed by: Figure Fig	-/2 R	Reviewed by:	Initials	8 - 13 - 12 Date
Delivery Method: Ha	and Delivered			
Shipping container/cooler in good condition?	es 🗸 🕦	No 🗌 N	lot Present]···
Custody seals intact on shipping container/cooler?	es 🗌 💮 🗈	No 🗌 N	lot Present	
Custody seals intact on sample bottles?	es 🗌 💮 l	No 🗌 N	lot Applicable 🗹	
	es 🗸 I	No 🗆		
	es 🗸 I	No 🗆		
Chain of custody agrees with sample labels?	es 🗹	No 🗌		
Samples in proper container/bottle?	es 🗸	No 🗌		
Sample containers intact?	es 🗸	No 🗌		
	es 🗸	No 🗌		
All samples received within holding time?	es 🗸	No 🗆		
	es 🗸	No 🗌		-
	es 🗌	No No	VOA vials subr	mitted 🗹
	es 🗌	No 🗌 📑	Not Applicable	

Comments:



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



5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT O'Brien & Gere Engineers, Inc.

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: Date Received:

08/21/12 8:30

08/21/12 9:02

Analyte	D 4 6 1		00/21/12	7.02
	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	740	10 mg/L	1	08/24/12
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	08/23/12

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
- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Practical Quantitation Limit (PQL)
 - Spike Recovery outside accepted recovery limits

Print Date: 09/18/12 11:31

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

O'Brien & Gere Engineers, Inc.

Former Accurate Die Cast

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

K1208217-002A

Project:

W Order:

Collection Date:

08/21/12 8:30

Matrix:

K1208217 WATER

Date Received:

08/21/12 9:02

Inst. ID:

MS04 73

Sample Size 10 mL

PrepDate:

ColumnID: Rtx-VMS **Revision:**

09/18/12 10:52

%Moisture: TestCode 8260W BatchNo: FileID:

R24538 1-SAMP-R0656.D

Col Type:

Analyte	ResultQual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNE	S BY GC/MS		SW8260B		
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

- 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

K1208217



Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

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ment Contact: AL FARREL	Phone:	#				/	5/	- /	/	/	/ /	
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Sample Receipt Checklist

Client Name: OBG-MS		Date and Time	Received:	8/21/2012 9:02:00 AM
Work Order Number: K1208217		Received by:	gis	
Checklist completed by: 65	8-21-12 Date	Reviewed by:	AC	7-21-12 Date
Delivery	Method: <u>Hand Delivere</u>	<u>d</u>		
Shipping container/cooler in good condition?	Yes 🗹	No 🗌 N	ot Present	
Custody seals intact on shipping container/cooler?	Yes		ot Present	
Custody seals intact on sample bottles?	Yes		ot 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	1
Water - pH acceptable upon receipt?	Yes	No 🗌 N	ot Applicable 🗹	
Comments:				



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

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.

Order No.: K1208305

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: K1208305 Matrix: WATER

Lab ID:

K1208305-001A

Client Sample ID: Effluent Comp 8/28/2012

Collection Date: Date Received:

08/28/12 7:30 08/28/12 8:00

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

Qualifiers:

Print Date: 09/13/12 14:05

- 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)

Page 1 of 1

S Spike Recovery outside accepted recovery limits

Project Supervisor: Anthony Crescenzi



Cooler Temperature:

Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

Client: ORRIEN & GERE Project: FORMER ASSET							7		Aı	nalysis	Meth	od	
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Sampled by: MARTIN KOENN- Client Contact: AL FARREL	eckie					/	, /		/	/		//	
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Sample D	escripti	on				1 6							
Sample Location	Date Collect	ed Collected	Sample Matrix	Comp. or Grab	No. of Containers	15						/	Commonto
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Original - Laboratory Copy - Client

Sample Receipt Checklist

Client Name: OBG-MS				Date and	Time Recei	ved:	8/28/2012 8:00:00 AM
Work Order Number: K1208305				Received	by:	gis	
Checklist completed by:	6 5	8-28 Date	3-12	Reviewe	ed by:	Ac	6-28-12 Date
	Delive	ry Method: <u>H</u>	land Delivere	<u>d</u>			
Shipping container/cooler in good of	condition?	Y	es 🗸	No 🗌	Not Pre	sent	
Custody seals intact on shipping co	ontainer/cooler?	Υ	es 🗌	No 🗌	Not Pre	sent 🗹	
Custody seals intact on sample bot	ttles?	Y	es 🗌	No 🗌	Not App	olicable 🗹	
Chain of custody present?		Y	es 🗹	No 🗌			
Chain of custody signed when relin	quished and received?	Y	es 🗹	No 🗌			
Chain of custody agrees with samp	le labels?	Y	es 🗸	No 🗌			
Samples in proper container/bottle?	?	Y	es 🗸	No 🗌			
Sample containers intact?		Y	es 🗸	No 🗌			
Sufficient sample volume for indicate	ted test?	Y	es 🗸	No 🗌			
All samples received within holding	time?	Y	es 🗸	No 🗌			
Container/Temp Blank temperature	in compliance?	Y	es 🗸	No 🗌			
Water - VOA vials have zero heads	pace?	Y	es 🗌	No 🗌	No VOA v	ials submitted	
Water - pH acceptable upon receipt	! ?	Y	es 🗌	No 🗌	Not App	licable 🗹	

Comments:



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.

Anthony Crescenzi

Project Manager



5854 Butternut Drive

CLIENT O'Brien & Gere Engineers, Inc.

Project: Former Accurate Die Cast

W Order: K1209009

Matrix: WATER

East Syracuse, NY 13057

(315) 445-1900

Analytical Results

StateCertNo: 10248

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
RESIDUE-FILTERABLE (TDS) Residue-filterable (TDS)	820	SM 18-20 2540 C 10 mg/L	1	09/06/12
RESIDUE-NON-FILTERABLE (TSS) Residue-non-filterable (TSS)	ND	SM 18-20 2540 D 5.0 mg/L	11	09/10/12

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- Value exceeds the instrument calibration range Ε
- 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

Page 1 of 1 Project Supervisor: Anthony Crescenzi Print Date: 10/10/12 13:46

Analytical Results

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

Lab ID:

K1209009-002A

Project:

Former Accurate Die Cast

Client Sample ID: Effluent Grab 9/60/12

W Order:

K1209009

Collection Date:

09/06/12 7:30

Matrix:

WATER

Date Received:

09/06/12 8:08

Inst. ID:

MS01 11

Sample Size 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo:

R24617

Revision:

10/09/12 14:19

TestCode 8260W

FileID: 1-SAMP-T4199.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	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
- 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: 10/09/12 14:20

617975

Project Supervisor: Anthony Crescenzi

Page 1 of 2

Life Science Laboratories, Inc. 5854 Butternut Drive

Analytical Results

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

K1209009-003A

Project:

Former Accurate Die Cast

Lab ID:

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

W Order:

Collection Date:

09/06/12 7:30

K1209009

Matrix:

WATER

Date Received:

09/06/12 8:08

Inst. ID:

MS01 11

Sample Size 10 mL

PrepDate: BatchNo:

R24617

Revision:

ColumnID: Rtx-VMS

10/09/12 14:19

%Moisture: TestCode 8260W

FileID:

1-SAMP-T4200.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	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

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: 10/09/12 14:20

617971

Project Supervisor: Anthony Crescenzi

Page 2 of 2



Cooler Temperature:__

Life Science Laboratories, Inc. Central Lab

Chain of Custody

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

Client: OBRIEN & GERE				· · · · · · · · · · · · · · · · · · ·									
Project: FORMER ACCURATE						ļ,			Ar	nalysis	Meth	od	
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Sample De	scripți	ion				1/5		ر م	- /			/	
Sample Location	Date Collec	e Time ted Collected	Sample Matrix	Comp. or Grab	No. of Containers	18	/ 80		8/				
EffLuenT	9-6			Comp	1	1							Comments
BETWEEN CARBONS	9-6	72 730 -12 7:30	WATER	GRAB GRAB			3	3					
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Turnaround Time Required:Routine Rush	Comme	ents:			Airbill N	umber:				٠.			

Sample Receipt Checklist

Client Name: OBG-MS		Date and Time Received:	9/6/2012 8:08:00 AM
Work Order Number: K1209009		Received by: gis	
Checklist completed by: 9-6-1		Reviewed by:	9/2/12 Date
Initials Di	ate	Initials	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 No VOA vials submitt	ed 📙
Water - pH acceptable upon receipt?	Yes	No Not Applicable	

Comments:



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



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: K1209052

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 Qu	ual PQL Units	DF	Date Analyze	
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C			
Residue-filterable (TDS)	740	10 mg/L	1	09/13/12	
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D			
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

Print Date: 09/28/12 9:16 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

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Sampled by: MARTIN KOENNEC	V		······································				- /	/	/			′ /	/ /	
Client Contact: Al Figure	Contact: AL FARREL Phone #						/	5/		/	/	/	/	
THE TYRKEL								\$/		<i>/</i> ,	/			
Sample Description								,			/			
Sample Location	Date Collect	Ti	me ected	Sample Matrix	Comp.	No. of Containers	1/4							
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Sample Receipt Checklist

Client Name: OBG-MS		Date and T	ime Received:	9/12/2012 8:12:00 AM
Work Order Number: K1209052		Received b	oy: gis	
Checklist completed by:	9-12-12 Date	Reviewed	d by: AC	9-12-12 Date
Delivery N	Method: <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 🗌	No VOA vials submitted	
Water - pH acceptable upon receipt?	Yes	No 🗌	Not Applicable 🗹	

Comments:



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.

Anthony Crescenzi

Project Manager



Project:

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: Former Accurate Die Cast

K1209103-001A

Client Sample ID: Effluent Comp 9/18/12 7:30

W Order: K1209103 WATER Matrix:

Collection Date: Date Received:

09/18/12 7:30 09/18/12 8:05

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

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)
- S Spike Recovery outside accepted recovery limits

Print Date: 10/10/12 13:53 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

O'Brien & Gere Engineers, Inc.

Lab ID:

K1209103-002A

Project:

Former Accurate Die Cast

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

W Order:

K1209103

Collection Date:

09/18/12 7:30

Matrix:

WATER

Date Received:

09/18/12 8:05

Inst. ID:

MS04 73

Sample Size NA

TestCode 8260W

PrepDate:

ColumnID: Rtx-VMS

10/10/12 9:55

%Moisture:

BatchNo: FileID:

R24621 1-SAMP-R1037.D

Revision: Col Type:

Cor Type.		<u> </u>			
Analyte	Result Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNI	OS BY GC/MS		SW8260B		
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

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 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

					(31	5) 445-	1105							
Project: OBRIEN & GERE		 					T							
Project: Fermen Accurate 1	\ (a							·	·	A	nalysis	s/Meth	nod	***************************************
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Sample Location	Da Colle	te cted	Time Collected	Sample Matrix	Comp.	No. of	1/ (/ 0	\$/ ·			/ /		
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Sample Receipt Checklist

Client Name: OBG-MS	Date and Time Received:		9/	18/2012 8:05:00 AM		
Work Order Number: K1209103			Received by:	gis		
Checklist completed by:	65	9-18-12 Date	Reviewed b	oy: Initials	pe	9-18-12 Date
	Delive	ry Method: Hand Delivered				
Shipping container/cooler in good	d condition?	Yes 🗸	No 🗌	Not Present		
Custody seals intact on shipping	container/cooler?	Yes	No 🗌	Not Present	✓	
Custody seals intact on sample b	oottles?	Yes 🗌	No 🗌	Not Applicable	y	
Chain of custody present?		Yes 🗹	No 🗆			
Chain of custody signed when re	linquished and received?	Yes 🗹	No 🗔			
Chain of custody agrees with sar	nple labels?	Yes 🗹	No 🗌			
Samples in proper container/bott	le?	Yes 🗸	No 🗌			
Sample containers intact?		Yes 🗸	No 🗌			
Sufficient sample volume for indi	cated test?	Yes 🗸	No 🗔			
All samples received within holdi	ng time?	Yes 🗸	No 🗌			
Container/Temp Blank temperatu	ure in compliance?	Yes 🗸	No 🗌			
Water - VOA vials have zero hea		Yes 🗹	No 🗌 🗈	No VOA vials s	ubmitted	
Water - pH acceptable upon rece		Yes	No 🗆	Not Applicable	e 🗸	

Comments:



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

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.

Order No.: K1209232

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: K1209232 WATER

Lab ID:

K1209232-001A

Client Sample ID: Effluent Comp 9/25/2012

Collection Date: Date Received:

09/25/12 6:30 09/25/12 9:20

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

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)
- S Spike Recovery outside accepted recovery limits

Print Date: 10/10/12 13:35 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

	j			(31	5) 445-	1105							
Client: OBRIEN & GERE			 			T			 -			· · · · · · · · · · · · · · · · · · ·	Annual Marie State of the State
Project: FORMER ACCURATE	Dec					 	7	7	At	nalysis	s/Meth	od	
Sampled by: MARTIN KOENNER	1.					'/	' /	/	· /	' /	/		
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Sample Description						1 / [$\frac{1}{2}$						
Sample Location	Date Collecte	Time cd Collected	Sample Matrix	Comp.	No. of Containers	1/25		/					
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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: 65	7-25-/2 Date	Reviewed by: A C Initials	9-25-12 Date
Delivery	Method: <u>Hand Delivere</u>	<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 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	itted 🗹
Water - pH acceptable upon receipt?	Yes	No ☐ Not Applicable ✓	•

Comments: