

April 5, 2013

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 2013 (January 2 through April 2). 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 April 2, 2013, a total of 99,063,470 gallons of groundwater has been treated since startup on February 5, 1996. Since January 2^{nd} , 831,770 gallons of groundwater have been treated: 263,590 gallons from recovery well RW-1, 568,100 gallons from recovery well RW-2, and 80 gallons from the sump located outside the northeast corner of the building. No groundwater was collected from 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 2013 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.

The spent carbon in the lead granular activated carbon unit (GAC #1) was changed and then put in the lag position on March 20, 2013.

ACTIVITIES SCHEDULED

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

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

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

Alfred R. Farrell, P.E. Project Manager

Mr. John C. Grathwol, P.E. April 5, 2013 Page 2

Attachments

cc: T. Slutzky – The Anderson Company

T. Olmsted – ITT Corporation L. Hall – ITT Corporation M. Distler – O'Brien & Gere

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

		Monitoring Re	equirements											
Analyte (units)	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	Effluent 1/2/2013	Effluent 1/7/2013	Effluent 1/7/2013	Effluent 1/11/2013	Effluent 1/11/2013	Effluent 1/14/2013	Effluent 1/15/2013	Effluent 1/17/2013	Effluent 1/18/2013	Effluent 1/21/2013
Flow (GPD)	Monitor	150000	Continuous	Meter	7488	7482	7460	7443	7547	-	7564	7811	7840	8110
pH (SU)	6.5-8.5		2/Week	Grab	7.68	7.6	7.62	7.68	7.7	-	7.68	7.68	7.68	7.7
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			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							
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							
	Ш				Notes:									
					- Not analyzed, NA - Data Not available									
					U - Not Detected, J - Estimated, H - Holding times for preparation or analyses exceeded									
					(1) Minimum m	onitoring requir	ements based on	SPEDES perm	it modified Nove	ember, 21, 1997.				

		Monitoring Re	equirements											
	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	1/22/2013	1/23/2013	1/24/2013	1/28/2013	1/29/2013	1/31/2013	2/1/2013	2/4/2013	2/7/2013	2/8/2013
Flow (GPD)	Monitor	150000	Continuous	Meter	8320	8336	8337	-	8580	8650	8842	8941	9160	9314
pH (SU)	6.5-8.5		2/Week	Grab	7.72	7.72	7.72	-	7.72	7.72	7.72	7.7	7.72	7.72
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.	610			650				590		
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.										
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.										
					0.577							0.5.11		
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		
					Notes:									
						ed, NA - Data l								
					U - Not Detecte		_							
					(1) Minimum m	onitoring requir	ements based on	SPEDES permi	t modified Nove	ember, 21, 1997.				

		Monitoring Re	equirements											
	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	2/13/2013	2/15/2013	2/18/2013	2/19/2013	2/20/2013	2/21/2013	2/22/2013	2/26/2013	2/27/2013	2/28/2013
Flow (GPD)	Monitor	150000	Continuous	Meter	9460	9600	9557	9490	9760	9570	9437	9628	9810	9740
pH (SU)	6.5-8.5		2/Week	Grab	7.78	7.72	7.78	7.76	7.78	7.76	7.78	7.78	7.8	7.78
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.	600		610					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							
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							
					Notes:									
						ed, NA - Data l								
							_		tion or analyses					
					(1) Minimum m	onitoring requir	ements based or	n SPEDES perm	it modified Nove	ember, 21, 1997.				

		Monitoring Re	equirements											
	Discharge	Discharge	Minimum		1									
Analyte (units)	Limitation	Limitation	Measurement	Sample	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Daily Average	Daily Maximum	Frequency (1)	Type	3/1/2013	3/5/2013	3/7/2013	3/11/2013	3/14/2013	3/18/2013	3/20/2013	3/22/2013	3/25/2013	3/26/2013
Flow (GPD)	Monitor	150000	Continuous	Meter	9740	9939	10159	10395	10603	10637	10742	10892	10950	10927
pH (SU)	6.5-8.5		2/Week	Grab	7.82	7.82	7.78	7.8	7.78	7.8	7.78	8.08	7.94	7.93
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.		630		570		620			600	
		0.000	0											
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				
					Notes:									
						Notes: Not analyzed, NA - Data Not available								
					U - Not Detected, J - Estimated, H - Holding times for preparation or analyses exceeded									
							_	n SPEDES perm			<u>. </u>			

		Monitoring Re	auirements					
	Discharge	Discharge	Minimum					
Analyte (units)	Limitation	Limitation	Measurement	Sample	Effluent	Effluent	Effluent	
	Daily Average	Daily Maximum	Frequency (1)	Туре	3/27/2013	3/29/2013	4/1/2013	
Flow (GPD)	Monitor	150000	Continuous	Meter	10987	10911	11033	
pH (SU)	6.5-8.5		2/Week	Grab	7.98	7.96	7.84	
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			
					Notes:	I MA D.: N	I. 4 11-11-1	
					•	ed, NA - Data N		S., 6
								times for preparation or analyses exceeded
					(1) Minimum m	onitoring require	ements based or	on SPEDES permit modified November, 21, 1997.



Friday, January 18, 2013

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.: K1301001

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 1/2/2013 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:

K1301001-001A

Client Sample ID: Effluent Comp 1/2/2013

W Order: K1301001 Matrix:

WATER

Collection Date: Date Received:

01/02/13 7:00 01/02/13 8:05

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	650	10 mg/L	1	01/03/13
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	01/03/13

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: 01/18/13 15:14

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

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Client Contact: AL FARRAC							/	· . /	/	/	/	/	- /	
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Sample [Desci	riptio	n				1 /	. 1			' /		/	
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poler Temperature:														

Sample Receipt Checklist

Client Name: OBG-MS		Date and Time Received:	1/2/2013 8:05:00 AM
Work Order Number: K1301001		Received by: gis	
Checklist completed by: 65	/~ 2-/3 Date	Reviewed by: According Initials	/-2/ <u>3</u>
Deliv	ery 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 OA vials submitte	ed 🗸
Water - pH acceptable upon receipt?	Yes	No ☐ Not Applicable ✓	

Comments:

Corrective Action:



Tuesday, January 22, 2013

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.: K1301041

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 5 sample(s) on 1/7/2013 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

Analytical Results

LSI 5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

Lab ID:

K1301041-001A

Project:

Former Accurate Die Cast

Client Sample ID: Effluent Grab 1/7/13

W Order:

K1301041

Collection Date:

01/07/13 7:30

Matrix:

WATER

Date Received:

01/07/13 8:28

Inst. ID:

MS01_11

Sample Size 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo:

R25120

Revision:

01/15/13 15:33

TestCode 8260W

FileID:

1-SAMP-T5228.D

Col Type:

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	01/07/13 15:45
cis-1,2-Dichloroethene	ND	0.50	μg/L	1	01/07/13 15:45
Methylene chloride	ND	2.00	μg/L	1	01/07/13 15:45
Tetrachloroethene	ND	0.50	μg/L	1	01/07/13 15:45
Toluene	ND	0.50	μg/L	1	01/07/13 15:45
trans-1.2-Dichloroethene	ND	0.50	μg/L	1	01/07/13 15:45
Trichloroethene	ND	0.50	μg/L	1	01/07/13 15:45
Surr: 1,2-Dichloroethane-d4	115	75-130	%REC	1	01/07/13 15:45
Surr: 4-Bromofluorobenzene	101	75-125	%REC	1	01/07/13 15:45
Surr: Toluene-d8	104	75-125	%REC	1	01/07/13 15:45

On	alif	iers

- 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: 01/15/13 15:37

628777

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:

K1301041-002A

Project:

Former Accurate Die Cast

Client Sample ID: Between Carbon Grab 1/7/13

W Order:

K1301041

Collection Date:

01/07/13 7:30

Matrix:

WATER

Date Received:

01/07/13 8:28

Inst. ID:

MS01 11

Sample Size 10 mL

TestCode 8260W

PrepDate:

ColumnID: Rtx-VMS

01/15/13 15:33

%Moisture:

BatchNo: FileID:

R25120 1-SAMP-T5229.D

Revision: Cal Type

Col Type:	D 1/0 1	DOI	T7 . 14	DE	Data Analyzad
Analyte	Result Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY	GC/MS		SW8260B		
1,1,2,2-Tetrachloroethane	ND	0.50	μg/L	1	01/07/13 16:16
cis-1,2-Dichloroethene	ND	0.50	μg/L	1	01/07/13 16:16
Methylene chloride	ND	2.00	μg/L	1	01/07/13 16:16
Tetrachloroethene	ND	0.50	μg/L	1	01/07/13 16:16
Toluene	ND	0.50	μg/L	1	01/07/13 16:16
trans-1,2-Dichloroethene	ND	0.50	μg/L	1	01/07/13 16:16
Trichloroethene	ND	0.50	μg/L	1	01/07/13 16:16
Surr: 1,2-Dichloroethane-d4	116	75-130	%REC	1	01/07/13 16:16
Surr: 4-Bromofluorobenzene	102	75-125	%REC	1	01/07/13 16:16
Surr: Toluene-d8	104	75-125	%REC	1	01/07/13 16:16

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

628778

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

Analytical Results

I SI 5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

Former Accurate Die Cast

Lab ID: Client Sample ID: Influent Grab 1/7/13

K1301041-003A

Project:

K1301041

Collection Date:

01/07/13 7:30

W Order: Matrix:

WATER

Date Received:

01/07/13 8:28

Inst. ID:

MS01 11

Sample Size 10 mL

TestCode 8260W

PrepDate:

ColumnID: Rtx-VMS 01/15/13 15:33 %Moisture:

BatchNo: FileID:

R25120 1-SAMP-T5230.D

Revision: Cal Type

Analyte	Result Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUND	S BY GC/MS		SW8260B		
1,1,2,2-Tetrachioroethane	ND ND	10.0	μg/L	20	01/07/13 16:48
cis-1,2-Dichloroethene	ND	10.0	μg/L	20	01/07/13 16:48
Methylene chloride	ND	40.0	μg/L	20	01/07/13 16:48
Tetrachloroethene	ND	10.0	μg/L	20	01/07/13 16:48
Toluene	ND	10.0	μg/L	20	01/07/13 16:48
trans-1,2-Dichloroethene	ND	10.0	μg/L	20	01/07/13 16:48
Trichloroethene	552	10.0	μg/L	20	01/07/13 16:48
Surr: 1,2-Dichloroethane-d4	118	75-130	%REC	20	01/07/13 16:48
Surr: 4-Bromofluorobenzene	103	75-125	%REC	20	01/07/13 16:48
Surr: Toluene-d8	107	75-125	%REC	20	01/07/13 16:48

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)

Spike Recovery outside accepted recovery limits

Project Supervisor: Anthony Crescenzi



5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT O'Brien & Gere Engineers, Inc.

Lab ID: Client Sample ID: Effluent Comp 1/7/13

K1301041-004A

Former Accurate Die Cast Project:

W Order: K1301041 Matrix: WATER

Collection Date: Date Received:

01/07/13 7:30 01/07/13 8:28

Analyte	Result Qual	PQL Units	DF	Date Analyzed
MERCURY	· · · · · · · · · · · · · · · · · · ·	EPA 245.1	(E245.1))
Mercury	ND	0.00020 mg/L	1	01/09/13 16:06
TOTAL METALS BY ICP		EPA 200.7	(E200.2))
Zinc	ND	0.020 mg/L	1	01/21/13 14:45

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)
- S Spike Recovery outside accepted recovery limits

Print Date: 01/22/13 10:22

Project Supervisor: Anthony Crescenzi

Page 1 of 2



Matrix:

W Order: K1301041

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: Client Sam K1301041-004B

Client Sample ID: Effluent Comp 1/7/13

Collection Date:
Date Received:

01/07/13 7:30 01/07/13 8:28

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	640	10 mg/L	1	01/08/13
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	01/08/13

Qualifiers:

Print Date: 01/22/13 10:22

- 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

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.

Lab ID: Client Sample ID: Influent Comp 1/7/13

K1301041-005A

Project: Former Accurate Die Cast

W Order: K1301041

Collection Date:

01/07/13 7:30

Matrix: WATER

Date Received:

01/07/13 8:28

Analyte	Result	Qual	PQL Units	DF	Date Analyzed
MERCURY			EPA 245.1	(E245.1)	
Mercury	ND		0.00020 mg/L	. 1	01/09/13 16:08
	11.3333333				
TOTAL METALS BY ICP			EPA 200.7	(E200.2)	
Zinc	ND		0.020 mg/L	1	01/21/13 14:49

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: 01/22/13 10:22

Project Supervisor: Anthony Crescenzi

Page 2 of 2



Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

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ient: OBRIEN & GERE														
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Sample Receipt Checklist

Client Name: OBG-MS		Date and Time Received:	1/7/2013 8:28:00 AM
Work Order Number: K1301041		Received by: gis	
Checklist completed by: 6 S	1-7-13	Reviewed by:	L 1-7-13 Date
ו	Delivery Method: <u>Hand Delivere</u>	<u>d</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 submi	tted
Nater - pH acceptable upon receipt?	Yes 🗹	No Not Applicable	
pH Preservative pH Acceptable >12 NaOH Yes N	Sample ID	Volume of Preservative	added in Lab.
<2 HNO3 Yes 🗹 N	NA 🗌		
<2 HSO4 Yes N	NA 🗹		
<2 1:1 HCL Yes N	NA 🗹		
5-9 Pest/PCBs (608/8081) Yes N	NA 🗸		

Comments:

Corrective Action:



Tuesday, January 22, 2013

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.: K1301109

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 1/14/2013 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: K1301109 WATER Matrix:

Lab ID:

K1301109-001A

Client Sample ID: Effluent Comp 1/14/2013

Collection Date: Date Received:

01/14/13 7:15 01/14/13 8:03

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	650	10 mg/L	1	01/15/13
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	01/15/13

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

Print Date: 01/22/13 10:19 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

Original - Laboratory Copy - Client

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Client Contact: Al Fagget	Phon	<u> </u>					/	205	. /		- /	. /		
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Sample Receipt Checklist

Client Name: OBG-MS Work Order Number: K1301109		Date and T	ime Received:	1/14/2013 8:03:00 AM
Checklist completed by: Initials Lagrangian Date Lagrangian Da	-14-13 te	Reviewed	d by:Ae	/-/4-/3 Date
Delivery Metho	od: <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 submitte	d 🗹
Water - pH acceptable upon receipt?	Yes 🗌	No 🗌	Not Applicable 🗹	

Comments:

Corrective Action:



Tuesday, January 29, 2013

Mr. Al Farrell O'Brien & Gere Engineers, Inc. 333 W. Washington St. P.O. Box 4873 Syracuse, NY 13202

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1301203

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 2 sample(s) on 1/22/2013 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: K1301203 Matrix: WATER Lab ID:

K1301203-001A

Client Sample ID: Effluent Comp 1/22/13 07:45

Collection Date:

01/22/13 7:45

Date Received: 01/22

01/22/13 8:10

Analyte	Result Qual	PQL Units	DF	Date Analyzed		
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C				
Residue-filterable (TDS)	610	10 mg/L	1	01/22/13		
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D				
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	01/24/13		

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: 01/29/13 14:54 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:

K1301203-002A

Project:

Former Accurate Die Cast

Client Sample ID: Effluent Grab 1/22/13 07:45

W Order:

K1301203

WATER

Collection Date:

01/22/13 7:45

Matrix:

Date Received:

01/22/13 8:10

Inst. ID:

MS01 11

01/29/13 10:29

Sample Size 10 mL

PrepDate:

R25172

ColumnID: Rtx-VMS

%Moisture:

BatchNo:

Revision:

TestCode 8260W

FileID:

1-SAMP-T5374.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	01/24/13 11:56
cis-1,2-Dichloroethene	ND	0.50	μg/L	1	01/24/13 11:56
Methylene chloride	ND	2.00	μg/L	1	01/24/13 11:56
Tetrachloroethene	ND	0.50	μg/L	1	01/24/13 11:56
Toluene	ND	0.50	μg/L	1	01/24/13 11:56
trans-1,2-Dichloroethene	ND	0.50	μg/L	1	01/24/13 11:56
Trichloroethene	ND	0.50	μg/L	1	01/24/13 11:56
Surr: 1,2-Dichloroethane-d4	127	75-130	%REC	1	01/24/13 11:56
Surr: 4-Bromofluorobenzene	102	75-125	%REC	1	01/24/13 11:56
Surr: Toluene-d8	106	75-125	%REC	1	01/24/13 11:56

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

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: 01/29/13 12:22

630221

Project Supervisor: Anthony Crescenzi

Page 1 of 1



ooler Temperature:

Life Science Laboratories, Inc. Central Lab

Chain of Custody

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

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impled by: MARTIN KOE	nnecke								5				7	/	\overline{A}
ent Contact: AL FARRE		Phone	#		•			1/	2/	/	/		/	/ - /	
S	ample De	script	ion	• ;				4 /	, ,						
Sample Location	÷	Dat Collec	e cted	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	1/5	1 3		/				Commont
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Sample Receipt Checklist

Client Name: OBG-MS		Date and Time Received:	1/22/2013 8:10:00 AM
Work Order Number: K1301203		Received by: esb	
	- 22-/3 Date	Reviewed by:	/- 2 2 -/ 3 Date
Delivery Met	hod: <u>Hand Delivere</u>	<u>:d</u>	
Shipping container/cooler in good condition? 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? Chain of custody signed when relinquished and received?	Yes 🗸	No 🗌	
Chain of custody agrees with sample labels? Samples in proper container/bottle?	Yes ✓ Yes ✓	No 🗌	
Sample containers intact?	Yes 🗹	No 🗆	
Sufficient sample volume for indicated test? All samples received within holding time?	Yes ✓ Yes ✓	No 🗆	
Container/Temp Blank temperature in compliance?	Yes 🗸	No 🗆	
Water - VOA vials have zero headspace? Water - pH acceptable upon receipt?	Yes ✓ Yes □	No ☐ No VOA vials sub	

Comments:

Corrective Action:



Monday, February 11, 2013

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.: K1301237

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 1/28/2013 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: K1301237 Matrix: WATER Lab ID: K1301237-001A

Client Sample ID: Effluent Comp 1/28/2013

Collection Date:

01/28/13 8:05

Date Received: 01/28/13 8:05

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	650	10 mg/L	1	01/29/13
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	01/29/13

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)

Page 1 of 1

S Spike Recovery outside accepted recovery limits

Print Date: 02/11/13 8:47 Project Supervisor: Anthony Crescenzi



Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

				(31	15) 445-	1105				-			
Client: OBRIEN & GERE					· · · · · · · · · · · · · · · · · · ·								
Project: Formula Assat		:							Aı	nalysis	s/Metho	od	
Project: FORMER Accurate	Die						/	/ /	7	7	7	1	
Sampled by: MARTIN Koen. Client Contact: Al Fannel						1 /	/		/	/		- /	
Client Contact: AL FARREL	Phone #	-				/	205/	- /		/		- /	
Sample	Description					 			/ '			/	
Sample Location	Date	Time Collected	Sample	Comp.	No. of	1/ K		/ .				/	
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Sample Receipt Checklist

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Client Name: OBG-MS		Date and Time Received:	1/28/2013 8:05:00 AM
Work Order Number: K1301237		Received by: gis	
Checklist completed by: 6 5	1-28-13	Reviewed by:	1-28-13
Initials	Date	Initials	Date
De	elivery 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	d? 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 submitt	ed 🔽
Water - pH acceptable upon receipt?	Yes .	No ☐ Not Applicable ✔	

Comments:

Corrective Action:



Monday, February 11, 2013

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.: K1302013

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 3 sample(s) on 2/4/2013 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours, Life Science Laboratories, Inc.

Anthony Crescenzi Project Manager

Life Science Laboratories, Inc. 5854 Butternut Drive

Analytical Results

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

Lab ID:

K1302013-001A

Project:

Former Accurate Die Cast

Client Sample ID: Effluent Grab 2/4/13

W Order:

K1302013

Collection Date:

02/04/13 7:30

Matrix:

WATER

Date Received:

02/04/13 8:05

Inst. ID:

MSK 75

Sample Size 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo:

R25210

Revision:

02/08/13 13:41

TestCode 8260W

FileID:

1-SAMP-K1888.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	02/04/13 17:40
cis-1,2-Dichloroethene	ND	0.50	μg/L	1	02/04/13 17:40
Methylene chloride	ND	2.00	μg/L	- 1	02/04/13 17:40
Tetrachloroethene	ND	0.50	μg/L	1	02/04/13 17:40
Toluene	ND	0.50	μg/L	1	02/04/13 17:40
trans-1,2-Dichloroethene	ND	0.50	μg/L	1	02/04/13 17:40
Trichloroethene	ND	0.50	μg/L	1	02/04/13 17:40
Surr: 1,2-Dichloroethane-d4	126	75-130	%REC	1	02/04/13 17:40
Surr: 4-Bromofluorobenzene	å 111	75-125	%REC	1	02/04/13 17:40
Surr: Toluene-d8	94	75-125	%REC	1	02/04/13 17:40

Qualifiers:

Value exceeds Maximum Contaminant Level

Ε 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. 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:

K1302013-002A

Project:

Client Sample ID: Between Carbons Grab 2/4/13

W Order: K1302013 Matrix: WATER

Collection Date: Date Received:

02/04/13 7:30

PrepDate:

02/04/13 8:05

MSK 75 Inst. ID: ColumnID: Rtx-VMS Sample Size 10 mL %Moisture:

BatchNo:

R25210

Revision: 02/08/13 13:41

TestCode 8260W

FileID:

1-SAMP-K1887.D

Col 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	02/04/13 17:09			
cis-1,2-Dichloroethene	± 1.48	0.50	μg/L	1	02/04/13 17:09			
Methylene chloride	, ND	2.00	μg/L	1	02/04/13 17:09			
Tetrachloroethene	ND	0.50	μg/L	1	02/04/13 17:09			
Toluene	ND	0.50	μg/L	1	02/04/13 17:09			
trans-1,2-Dichloroethene	ND	0.50	μg/L	1	02/04/13 17:09			
Trichloroethene	ND	0.50	μg/L	1	02/04/13 17:09			
Surr: 1,2-Dichloroethane-d4	126	75-130	%REC	1	02/04/13 17:09			
Surr: 4-Bromofluorobenzene	111	75-125	%REC	1	02/04/13 17:09			
Surr: Toluene-d8	94	75-125	%REC	1	02/04/13 17:09			

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



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

Lab ID:

K1302013-003A

Client Sample ID: Effluent Comp 2/4/13

W Order: K1302013 **Collection Date:** WATER

02/04/13 7:30

02/04/13 8:05 Date Received:

Analyte	Result	Qual	PQL Units	DF	Date Analyzed		
RESIDUE-FILTERABLE (TDS) Residue-filterable (TDS)	590		SM 18-20 2540 C 10 mg/L	1	02/05/13		
RESIDUE-NON-FILTERABLE (TSS) Residue-non-filterable (TSS)	ND		SM 18-20 2540 D 5.0 mg/L	1	02/07/13		

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

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 Print Date: 02/11/13 8:53



ooler 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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Client: OBRIEN \$ GERE	:							·						
Project: Former Accurate De			:				ļ <u> </u>			A	nalysis	s/Meth	iod	
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Client Contact: A Roenneck					•		/	/	/			/		
MONE CONTACT. AL FARREL	Phone	#					/		' / ‹	· 5 /				
Sample Des	cript	ion				-		o/		2				
Sample Location	Da Collec	e ted	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	84%	802	15					
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urnaround Time Required: _RoutineX Rush	Comme	ents	:			T AUDIN 14	umber.				•.			

Sample Receipt Checklist

Client Name: OBG-MS		Date an	d Time Received:	2/	4/2013 8:05	MA 00:
Work Order Number: K1302013		Receive	d by: gis			
Checklist completed by:	2-4-1	3 Review	ved by:	AC	2-4-	13
Initials	Date		Initials	-	Date	
	Delivery Method: Hand	Delivered				
Shipping container/cooler in good condition?	Yes •	Z No 🗆	Not Present			
Custody seals intact on shipping container/cooler?	Yes	□ No □	Not Present	<u> </u>		
Custody seals intact on sample bottles?	Yes	No 🗆	Not Applicab	le 🗸	•	
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 5	Z No □				
Samples in proper container/bottle?	Yes	∠ No □				
Sample containers intact?	Yes	Z No 🗆				
Sufficient sample volume for indicated test?	Yes	Z No □				
All samples received within holding time?	Yes	Z No 🗆				
Container/Temp Blank temperature in compliance?	Yes	Z No 🗆				
Water - VOA vials have zero headspace?	Yes 🛚	✓ No □	No VOA vials s	submitted		
Water - pH acceptable upon receipt?	Yes	□ No □	Not Applicab	le 🗹		

Comments:



Thursday, February 21, 2013

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.: K1302108

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 2/13/2013 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

K1302108-001A

CLIENT O'Brien & Gere Engineers, Inc.

Project: Former Accurate Die Cast

WATER

W Order: K1302108

Collection Date:

Lab ID:

02/13/13 8:30

Client Sample ID: Effluent Comp 2/13/13

Date Received:

02/13/13 9:00

Analyte	Result Qual	PQL Units	DF	Date Analyzed		
RESIDUE-FILTERABLE (TDS) Residue-filterable (TDS)	600	SM 18-20 2540 C 10 mg/L	1	02/14/13		
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RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D				
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	02/19/13		

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: 02/21/13 14:51

Project Supervisor: Anthony Crescenzi



ooler Temperature: 10.2° C

Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

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Sample	Desc	ript	ion					1/						/	
Sample Location		Dat Collec	te cted	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	1/5/2							0
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rnaround Time Required:			 				Airbill N	umber:							
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Sample Receipt Checklist

Client Name: OBG-MS				Date and Ti	ime Received:		2/13/2013 9:0	MA 00:0
Work Order Number: K1302108				Received by	y: rsd			
Checklist completed by:	65	2 - 13-1 Date	3	Reviewed	l by:	Ac	2-1 Date	3-13
							I	
	Delive	ery Method: Han	d Delivered	<u>i</u>				
Shipping container/cooler in good cor	ndition?	Yes	~	No 🗆	Not Present			
Custody seals intact on shipping conf	tainer/cooler?	Yes		No 🗆	Not Present	✓		
Custody seals intact on sample bottle	es?	Yes		No 🗌	Not Applicat	ole 🗹		
Chain of custody present?		Yes	✓	No 🗀				
Chain of custody signed when relinqu	ished and received?	Yes	✓	No 🗌				
Chain of custody agrees with sample	labels?	Yes	✓	No 🗌				
Samples in proper container/bottle?		Yes	V	No 🗔				
Sample containers intact?		Yes	~	No 🗌				
Sufficient sample volume for indicate	d test?	Yes	✓	No 🗔				
All samples received within holding til	me?	Yes	✓	No .				
Container/Temp Blank temperature in	compliance?	Yes	✓	No 🗌				
Water - VOA vials have zero headspa	ace?	Yes		No 🗌	No VOA vials	submitte	d 🗸	
Water - pH acceptable upon receipt?		Yes		No 🗌	Not Applicat	ple 🗹		

Comments:



Monday, February 25, 2013

Mr. Al Farrell
O'Brien & Gere Engineers, Inc.
333 W. Washington St.
P.O. Box 4873
Syracuse, NY 13202

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: Analytical Results

Order No.: K1302142

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 2 sample(s) on 2/18/2013 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.

Former Accurate Die Cast

W Order: K1302142 Matrix: WATER Lab ID:

K1302142-001A

Client Sample ID: Effluent Comp 2/18/13 07:30

Collection Date:

02/18/13 7:30

Date Received:

02/18/13 8:05

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	610	10 mg/L	1	02/19/13
and the second of the second o		sussey and assessed states with a		
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	02/21/13

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: 02/25/13 14:05 Project Supervisor: Anthony Crescenzi

Life Science Laboratories, Inc. 15854 Butternut Drive East Syracuse, NY 13057

Analytical Results

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

Project:

Former Accurate Die Cast

W Order:

K1302142

Matrix:

Inst. ID:

Revision: Col Type: WATER

MS01 11

ColumnID: Rtx-VMS

02/22/13 10:35

%Moisture: TestCode 8260W

Sample Size 10 mL

Lab ID:

K1302142-002A

Client Sample ID: Effluent Grab 2/18/13 07:30

Collection Date:

Date Received:

02/18/13 7:30 02/18/13 8:05

PrepDate:

BatchNo:

R25270

FileID:

1-SAMP-T5605.D

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	02/20/13 18:00
cis-1,2-Dichloroethene	ND	0.50	μg/L	1	02/20/13 18:00
Methylene chloride	ND	2.00	μg/L	1	02/20/13 18:00
Tetrachloroethene	ND	0.50	μg/L	1	02/20/13 18:00
Toluene	ND	0.50	μg/L	1	02/20/13 18:00
trans-1,2-Dichloroethene	ND	0.50	μg/L	1	02/20/13 18:00
Trichloroethene	ND	0.50	μg/L	1	02/20/13 18:00
Surr: 1,2-Dichloroethane-d4	119	75-130	%REC	1	02/20/13 18:00
Surr: 4-Bromofluorobenzene	100	75-125	%REC	1	02/20/13 18:00
Surr: Toluene-d8	101	75-125	%REC	1	02/20/13 18:00

Qualifiers	
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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
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
 - Spike Recovery outside accepted recovery limits

Print Date: 02/22/13 10:36

632062

Project Supervisor: Anthony Crescenzi



ooler Temperature:

Life Science Laboratories, Inc. Central Lab

Chain of Custody

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

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en Contact: AL FARREL	Р	hone	#					/		· /				- /	
Sample	Des	cript	ion				-			00		. /			
Sample Location		Dat Collec	e	Time Collected	Sample Matrix	Comp.	No. of	1/6)\ \circ_3	00/				/	
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Sample Receipt Checklist

Client Name: OBG-MS			Date and	Time Received:	2/18/201	3 8:05:00 AM
Work Order Number: K1302142			Received	by: gis		
Checklist completed by:	65	2-/8-13 Date	Reviewe	ed by:	AC 2	/ 8 - / 3 Date
	Delive	ery Method: Hand De	elivered			
Shipping container/cooler in good co	endition?	Yes 🗸	No 🗌	Not Present	1. 7. 7	
Custody seals intact on shipping con	ntainer/cooler?	Yes	No 🗆	Not Present	~	
Custody seals intact on sample bottl	es?	Yes	No 🗆	Not Applicable	✓	
Chain of custody present?		Yes 🗸	No 🗆			
Chain of custody signed when reling	uished and received?	Yes 🗸	No 🗌			
Chain of custody agrees with sample	e labels?	Yes 🗸	No 🗌			
Samples in proper container/bottle?		Yes 🗸	No 🗔			
Sample containers intact?		Yes 🗸	No 🗌			
Sufficient sample volume for indicate	ed test?	Yes 🔽	No 🗌			
All samples received within holding ti	ime?	Yes 🗸	No 🗌			
Container/Temp Blank temperature in	n compliance?	Yes 🗸	No 🗔			
Water - VOA vials have zero headsp	ace?	Yes 🗸		No VOA vials sub	mitted	
Water - pH acceptable upon receipt?	•	Yes	No 🗌	Not Applicable	✓	

Comments:



Monday, March 04, 2013

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.: K1302232

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 1 sample(s) on 2/26/2013 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: K1302232 Matrix: WATER

Lab ID:

K1302232-001A

Client Sample ID: Effluent Comp 2/26/13

Collection Date: Date Received:

02/26/13 7:00 02/26/13 8:08

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	640	10 mg/L	1	02/26/13
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	03/01/13

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: 03/04/13 15:41 Project Supervisor: Anthony Crescenzi



ooler Temperature:

Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

Collect: OBRIEN & GERE					-, 110	1100		•					
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MARIA V	necky					/	'c /	′		/		7	
Client Contact: AL FARREC	Phone #	ŧ				1/	\ \ \ \						
Sample	Descriptio	n				1/6	$\frac{1}{2}$					/	
Sample Location Oci Effluent	Date Collected	Time Collected		Comp. or Grab	No. of Containers	1/2/2							
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urnaround Time Required: _Routine	Comment	:s:			Airbill N	umber:						17.76	13 Time: 3:08
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Sample Receipt Checklist

Client Name: OBG-MS		Date and	Time Received:	2/26/2013 8:08:00 AM
Work Order Number: K1302232		Received	by: gis	
Checklist completed by:	2 - 26-/3 Date	Reviewe	ed by: Ac	2-26-13 Date
	Delivery Method: Hand	<u>Delivered</u>		1
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 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 submitted	ı 🗹
Water - pH acceptable upon receipt?	Yes [□ No □	Not Applicable	

Comments:



Thursday, March 14, 2013

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.: K1303034

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 3 sample(s) on 3/5/2013 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: K1303034 Matrix: WATER Lab ID:

K1303034-001A

Client Sample ID: Effluent Comp 3/5/13

)ate:

0.10.57.11.0.11.0.50

Collection Date: Date Received:

03/05/13 10:50 03/05/13 11:25

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS)		SM 18-20 2540 C		
Residue-filterable (TDS)	630	10 mg/L	1	03/05/13
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D		
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	03/05/13

Qualifiers:

Print Date: 03/14/13 15:02

- 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

Project Supervisor: Anthony Crescenzi

Analytical Results

ISL 5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT

O'Brien & Gere Engineers, Inc.

Lab ID:

Project:

Client Sample ID: Effluent Grab 3/5/13

K1303034-002A

W Order:

Former Accurate Die Cast

03/05/13 10:50

Matrix:

K1303034

Collection Date: Date Received:

03/05/13 11:25

WATER

PrepDate:

Inst. ID:

MS01 11

Sample Size 10 mL

BatchNo:

R25362

Revision:

ColumnID: Rtx-VMS 03/12/13 13:05

%Moisture: TestCode 8260W

FileID:

1-SAMP-T5698.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	03/06/13 16:47
cis-1,2-Dichloroethene	. ND	0.50	μg/L	1	03/06/13 16:47
•	ND	2.00	μg/L	1	03/06/13 16:47
Methylene chloride	ND	0.50	μg/L	1	03/06/13 16:47
Tetrachloroethene	ND	0.50	μg/L	1	03/06/13 16:47
Toluene	ND	0.50	μg/L	1	03/06/13 16:47
trans-1,2-Dichloroethene	ND	0.50	μg/L	1	03/06/13 16:47
Trichloroethene	118	75-130	%REC	1	03/06/13 16:47
Surr: 1,2-Dichloroethane-d4	95	75-125	%REC	1	03/06/13 16:47
Surr: 4-Bromofluorobenzene Surr: Toluene-d8	93 97	75-125 75-125	%REC	1	03/06/13 16:47

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

Analytical Results

 $oldsymbol{LSL}$ 5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

StateCertNo: 10248

CLIENT Project:

O'Brien & Gere Engineers, Inc.

Former Accurate Die Cast

Lab ID: K1303034-003A

Client Sample ID: Between Carbons Grab 3/5/13

W Order:

K1303034

Matrix:

WATER

Collection Date:

03/05/13 10:50

Date Received:

03/05/13 11:25

Inst. ID:

MS01_11

Sample Size 10 mL

PrepDate: BatchNo:

R25362

ColumnID: Rtx-VMS **Revision:**

03/12/13 13:05

%Moisture: TestCode 8260W

FileID:

1-SAMP-T5699.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	03/06/13 17:18
cis-1,2-Dichloroethene	4.56	0.50	μg/L	1	03/06/13 17:18
Methylene chloride	ND	2.00	μg/L	1	03/06/13 17:18
Tetrachloroethene	ND	0.50	μg/L	1	03/06/13 17:18
Toluene	ND	0.50	μg/L	1	03/06/13 17:18
	ND	0.50	μg/L	1	03/06/13 17:18
trans-1,2-Dichloroethene	2.81	0.50	μg/L	1	03/06/13 17:18
Trichloroethene	120	75-130	%REC	1	03/06/13 17:18
Surr: 1,2-Dichloroethane-d4	96	75-125	%REC	1	03/06/13 17:18
Surr: 4-Bromofluorobenzene Surr: Toluene-d8	97	75-125 75-125	%REC	1	03/06/13 17:18

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
- 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: 03/12/13 13:09

633635

Project Supervisor: Anthony Crescenzi

Page 2 of 2



ooler Temperature:

Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

	- 1	<i>‡</i>		(3)	D) 445-1	1105							
Slient: OBRIEN &-GERE								·					
Project: FORMER ACCURATE DIRE									Ar	nalysis	/Metho	od	
Sampled by: MARTIN KDENNEKE						• /				,/	7	1	
High Contact A Noennecke							4/	/	/	/		/	
TIE I MIEREL	hone #						R)	· /				/	
Sample Desc	ription	1						° / °					
Sample Location	Date	Time Collected	Sample Matrix	Comp.	No. of	1/2/	$\left\langle \begin{array}{c} \varphi_{j} \\ \end{array} \right\rangle$	1				/	
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urnaround Time Required:					Airbill No	umber:							11.20
Routine Rush	omment	s:							·				

Sample Receipt Checklist

Client Name: Ol	BG-MS				Date and Ti	me Received:	3/5/2013 11:25:00 AM	
Work Order Nun	nber: K1303034				Received by	y: rsd		
Checklist comple		65	3.5.	13	Reviewed		3-5-/3	_
	Initials		Date			Initials	Date	
		I	Delivery Method:	Hand Delivered	<u>1</u>			
Shipping contain	er/cooler in good co	ndition?		Yes 🗹	No 🗌	Not Present		
Custody seals in	tact on shipping con	tainer/cooler?		Yes	No 🗌	Not Present		
Custody seals in	tact on sample bottle	es?		Yes	No 🗌	Not Applicable		
Chain of custody	present?			Yes 🗹	No 🗌			
Chain of custody	signed when relinqu	ished and receiv	red?	Yes 🗹	No 🗌			
Chain of custody	agrees with sample	labels?		Yes 🗸	No 🗌			
Samples in prope	er container/bottle?			Yes 🗸	No 🗌			
Sample containe	rs intact?			Yes 🗸	No 🗌			
Sufficient sample	volume for indicated	d test?		Yes 🗸	No 🗌			
All samples recei	ived within holding tir	ne?		Yes 🗸	No 🗌			
Container/Temp I	Blank temperature in	compliance?		Yes 🗸	No 🗌			
Water - VOA vial	s have zero headspa	ice?		Yes	No 🗌 🛘 I	No VOA vials submitte	d 🗹	
Nater - pH accep	otable upon receipt?			Yes 🗹	No 🗌	Not Applicable		
pH Pre	eservative OH	pH Acceptable Yes N	NA 🗹	ample ID	Volu	me of Preservative add	ded in Lab.	
<2 HN		Yes N N	NA ✓					
	HCL	Yes N	NA 🗹					
5-9 Pes	st/PCBs (608/8081)	Yes N	NA 🗸					

Comments:



Thursday, March 21, 2013

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 3/11/2013 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Order No.: K1303092

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: K1303092 Matrix: WATER Lab ID: K1

K1303092-001A

Client Sample ID: Effluent Comp 3/11/13

Collection Date:
Date Received:

03/11/13 7:30 03/11/13 8:00

Analyte	Result Qual	PQL Units	DF	Date Ana	lyzed
RESIDUE-FILTERABLE (TDS) Residue-filterable (TDS)	570	SM 18-20 2540 C 10 mg/L		03/11/13	· · · · · · · · · · · · · · · · · · ·
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D			
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	03/12/13	

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

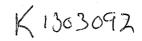
B Analyte detected in the associated Method Blank

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: 03/21/13 13:03 Project Supervisor: Anthony Crescenzi





ooler Temperature:___

Life Science Laboratories, Inc. Central Lab

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

Sample Description Sample Location Sample Description Sample Location Sample Location Sample Description Sample Location Sample Locatio	ient: OBRIEN& GERE							<u> </u>	·	·	<u> </u>		···		
ent Contact: AL FARR (Phone # Sample Description Sample Location Date Collected Matrix or Grab Containers Efficient 3.11-13 7:30 water Comp. No. of or Grab Containers Comments Efficient Date: 3-11-13 Time: 8:00 Received by: Date: Time: Imagished by: Date: Time: Openent Method: Hand	oject: Furnas Accest					· · · · · · · · · · · · · · · · · · ·			,		Aı	nalysis	s/Meth	od	
ent Contact: AL FARRE Phone # Sample Description Sample Location Collected Collected Matrix Comp. No. of or Grab Containers EFFLUENT 3-11-13 7:30 wafte Comp. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mpled by:	<u>D14</u>] :/	' . /	′ ' /	/: . <u>/</u>	,	7	7	
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quished by: Mata Koembre Date: 3-1/-13 Time: 8:00 Received by: Date: Time: Quished by: Date: Time: Received by: Date: Time: Received by: Date: Time: Received by: Date: Time: Received by: Date: Time: Date: Time: Received by: Date: Time: Received b	EHLUENT	3-//	-/3	7:30			. 1	,				/	/	/	Comments
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quished by: Date: Time: Received by: Date: Time: Received by Lab: Date: 3-(1-12 Time: c.f.)	quished by:		1				Receive	d bý:					.D	ate:	Time:
ment Method: HAND Date: Time: Received by Lab: 5 Date: 3-1/-12 Time: 65	quished by:	-					Receive	d by:					D	ate:	
(1) Sale 3 71-13 Time: 68	ment Method Han	_	Dat	e:	Time	•	Receive	d by La	b:///	~ ~	١ -				
around Time Required: Comments:							Airbill N	umber		7-2)		<u> </u>	371-	13 11me: 08

Sample Receipt Checklist

Client Name: OBG-MS			Date and T	ime Received:	3/11/2013 8:00:00 AM
Work Order Number: K1303092			Received b	y: gis	
Checklist completed by: 65	3 //- Date	13	Reviewed	d by:	3-/3-/3 Date
Delive	ery Method:	Hand Delivered	<u>i</u> .		
Shipping container/cooler in good condition?		Yes 🗸	No 🗌	Not Present	
Custody seals intact on shipping container/cooler?		Yes	No 🗀	Not Present	Z
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 subn	nitted 🗸
Water - pH acceptable upon receipt?		Yes	No 🗌	Not Applicable	

Comments:



Tuesday, April 02, 2013

Mr. Al Farrell O'Brien & Gere Engineers, Inc. 333 W. Washington St. P.O. Box 4873 Syracuse, NY 13202

TEL: 315-956-6100

Project: FORMER ACCURATE DIE CAST

RE: **Analytical Results**

Order No.: K1303180

Dear Mr. Al Farrell:

Life Science Laboratories, Inc. received 2 sample(s) on 3/18/2013 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: K1303180 Matrix: WATER Lab ID:

K1303180-001A

Client Sample ID: Effluent Comp3/18/13 07:45

Collection Date:
Date Received:

03/18/13 7:45 03/18/13 8:20

Analyte	Result Qual	PQL Units	DF	Date Analyzed
RESIDUE-FILTERABLE (TDS) Residue-filterable (TDS)	620	SM 18-20 2540 C 10 mg/L	1	03/19/13
RESIDUE-NON-FILTERABLE (TSS) Residue-non-filterable (TSS)	ND	SM 18-20 2540 D 5.0 mg/L	1	03/20/13

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: 04/02/13 11:37 Project Supervisor: Anthony Crescenzi

Analytical Results

5854 Butternut Drive

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 Grab3/18/13 07:45

K1303180-002A

Project: W Order:

K1303180

Collection Date:

03/18/13 7:45

Matrix:

WATER

Date Received:

03/18/13 8:20

Inst. ID:

MS03 10

Sample Size 10 mL

PrepDate: BatchNo:

R25454

ColumnID: Rtx-502.2 **Revision:**

03/28/13 14:26

%Moisture: TestCode 8260W

FileID:

1-SAMP-J4402.D

Col Type:					
Analyte	^A Result Qua	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUN	NDS BY GC/MS		SW8260B		
1,1,2,2-Tetrachloroethane	ND	0.50	μg/L	1	03/18/13 17:08
cis-1.2-Dichloroethene	ND	0.50	μg/L	1	03/18/13 17:08
	ND	2.00	μg/L	1	03/18/13 17:08
Methylene chloride	ND	0.50	μg/L	1	03/18/13 17:08
Tetrachloroethene	ND	0.50	μg/L	1	03/18/13 17:08
Toluene	ND ND	0.50	μg/L	1	03/18/13 17:08
trans-1,2-Dichloroethene	–	0.50	µg/L	1	03/18/13 17:08
Trichloroethene	ND		%REC	1	03/18/13 17:08
Surr: 1,2-Dichloroethane-d4	93	75-130		1	03/18/13 17:08
Surr: 4-Bromofluorobenzene	102	75-125	%REC	1	03/18/13 17:08
Surr: Toluene-d8	106	75-125	%REC	1	03/10/13 17.00
	.tt				

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: 03/28/13 14:27

635835

Project Supervisor: Anthony Crescenzi



Life Science Laboratories, Inc. Central Lab

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

Chain of Custody

			(31	5) 445-	1105								
						·	-						
								A	nalvsi	s/Math			
Die					1			7.	7	/	7 /		
ecke					1 /	, /	/	/		/	· /		
Phone	#				/ ,	S/	. /	/	/_	/	- /		
Descript	ion						0						
Dat	e Time	Sample	Comp.	No of	1/5)/							
3-18		.	or Grab	Containers	/ /	/			/			Comments	
		WATER	Comp	 	1								
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Sample Receipt Checklist

Client Name: OBG-MS		Date and Time Received:	3/18/2013 8:20:00 AM				
Work Order Number: K1303180		Received by: gis					
Checklist completed by: 6 5	3-18-13 Date	Reviewed by:	le 7-18-13				
Delive	ry Method: Hand Delivered	<u>d</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 subr	nitted				
Water - pH acceptable upon receipt?	Yes	No Not Applicable	7				

Comments:



Thursday, April 04, 2013

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 3/25/2013 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Order No.: K1303257

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: K1303257 Matrix: WATER Lab ID:

K1303257-001A

Client Sample ID: Effluent Comp 3/25/13

Collection Date: Date Received:

03/25/13 7:30 03/25/13 8:05

Analyte	Result Qual	PQL Units	DF	Date Analyzed	
RESIDUE-FILTERABLE (TDS) Residue-filterable (TDS)	600	SM 18-20 2540 C	1		
RESIDUE-NON-FILTERABLE (TSS)		SM 18-20 2540 D			
Residue-non-filterable (TSS)	ND	5.0 mg/L	1	03/25/13	

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: 04/04/13 13:01 Project Supervisor: Anthony Crescenzi Page 1 of 1



ooler Temperature: 7 C

Life Science Laboratories, Inc. Central Lab

Chain of Custody

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

Client: OBRIEN & GERE				· · · · · · · · · · · · · · · · · · ·									
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Sample Des	scriptio	n				/ L							
Sample Location EttLuenT	Date Collecte		Sample Matrix	Comp. or Grab	No. of Containers								
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Routine Required: Rush	Commen	ts:											

Sample Receipt Checklist

Client Name: OBG-MS		Date and	Time Received	l:	3/25/2013 8:05:00 AM
Work Order Number: K1303257		Received	by: AC	;	
Checklist completed by: Initials	3 - 25 - /3 Date	Reviewe	d by:	AC	3-25-13 Date
Deliver	y Method: <u>Hand Delivered</u>	<u>d</u>			
Shipping container/cooler in good condition?	Yes 🔽	No 🗌	Not Presen	t \square	
Custody seals intact on shipping container/cooler?	Yes	No 🗆	Not Presen	t 🗸	
Custody seals intact on sample bottles?	Yes	No 🗌	Not Applica	ıble 🗸	
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	No 🗌	No VOA vials	submitted	V
Vater - pH acceptable upon receipt?	Yes	No 🗌	Not Applica	ble 🗸	

Comments: